

January 23, 2006

State of Utah Division of Oil, Gas & Mining Attn: Diana Whitney 1594 West North Temple - Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 1-17-9-16, 2-17-9-16, 7-17-9-16, 8-17-9-16, 9-17-9-16, 10-17-9-16, 11-17-9-16, 12-17-9-16, 13-17-9-16, and 15-17-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely, Mandie Crozen

Mandie Crozier Regulatory Specialist

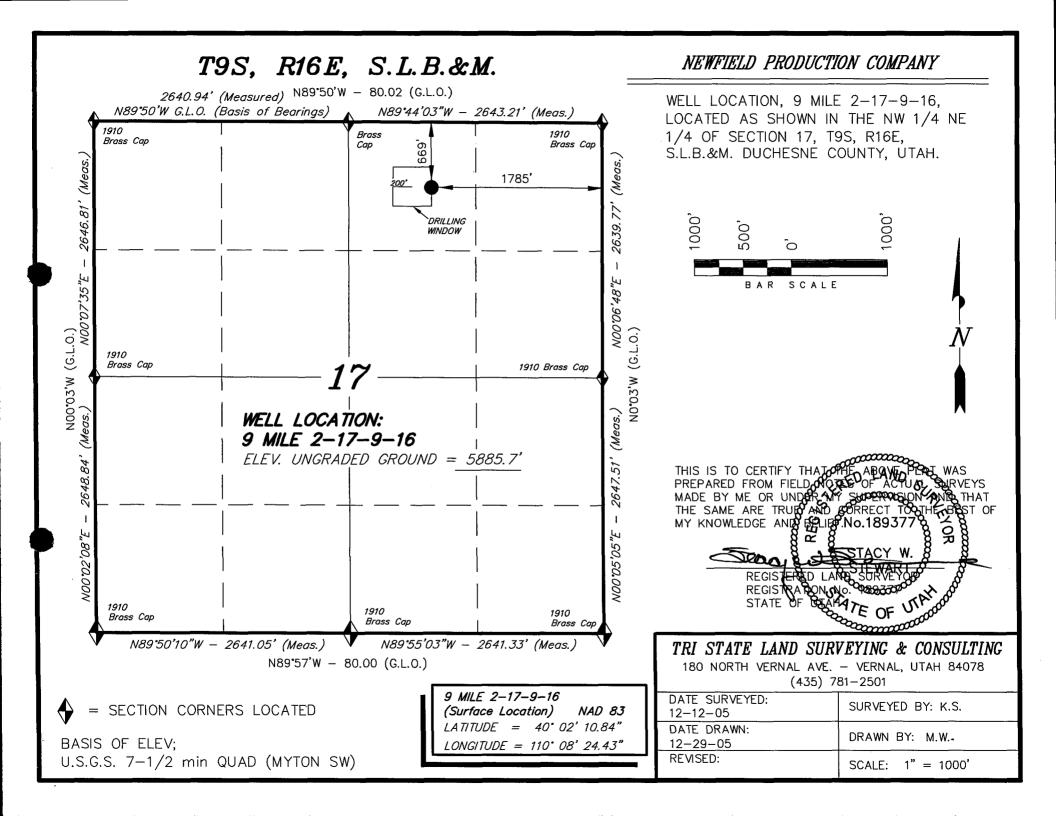
mc enclosures

> RECEIVED JAN 2 4 2006

DIV. OF OIL, GAS & MINING

			· · · ·		
Form 3160-3 (September 2001)		. •		APPROVE . 1004-013 nuary 31, 2	36
UNITED STATES DEPARTMENT OF THE IN BUREAU OF LAND MANAG	ITERIOR		5. Lease Serial No. UTU-643	179	
APPLICATION FOR PERMIT TO DE	RILL OR REENTER		6. If Indian, Allottee	e or Tribe	Name
			N/A	٠	· · · · · · · · · · · · · · · · · · ·
la. Type of Work: 🖾 DRILL 🔲 REENTED	R		7. If Unit or CA Agree N/A		lame and No.
1b. Type of Well: 🖾 Oil Well 🗖 Gas Well 📮 Other	🖾 Single Zone 🗋 Multi	ple Zone	8. Lease Name and V Federal 2-17		
2. Name of Operator Newfield Production Company			9. API Well No. 43-	013-1	3.3029
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or		
Route #3 Box 3630, Myton UT 84052	(435) 646-3721		Monument Bu		
4. Location of Well (Report location clearly and in accordance with At surface NW/NE 669' FNL 1785' FEL 573414	(40.036312		11. Sec., T., R., M., or		
At proposed prod. zone 443193	25 -110,139523		NW/NE Sec. 1	17, T9S F	₹16E
14. Distance in miles and direction from nearest town or post office*			12. County or Parish		13. State
Approximatley 15.2 miles southwest of Myton, Utah		r	Duchesne		UT
 Distance from proposed* location to nearest property or lease line, ft. 	16. No. of Acres in lease	17. Spacin	ng Unit dedicated to this	well	
(Also to nearest drig. unit line, if any) Approx. 855' f/lse, NA' f/unit	1626.36		40 Acres		
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1134' 	19. Proposed Depth 6060'		BIA Bond No. on file UTB000192		
 Elevations (Show whether DF, KDB, RT, GL, etc.) 5886' GL 	22. Approximate date work will sta 1st Quarter 2006	rt*	23. Estimated duratio. Approximately seven (7) days		rig release.
· · ·	24. Attachments				
The following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.1, shall be att	tached to this	s form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	Item 20 above). 5. Operator certific	ation. specific info	ns unless covered by an ormation and/or plans a	-	,
25. Signature Junche Cubas	Name (Printed/Typed) Mandie Crozier		1	Date 1/23	3/06
Title Regulatory Specialist			1		· · · · · · · · · · · · · · · · · · ·
Approved by (Signature)	BRADLEY G. HII I		1	Date	76-06
Title EN	VIRONMENTAL SCIENTIST	'III	······································		<u> </u>
	l 		····	·	
Application approval does not warrant or certify the the applicant holds le operations thereon. Conditions of approval, if any, are attached.	egal or equitable title to those rights in	the subject I	ease which would entitle.	the appli	icant to conduct
Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations as to		d willfully to	o make to any departme	nt or agen	icy of the United
*(Instructions on reverse)	· · · · · · · · · · · · · · · · · · ·	R	ECEIVED		
	al Approval of this I is Necessary	-	IAN 2 4 2006		

DIM OF OIL, GAS & MINING



NEWFIELD PRODUCTION COMPANY FEDERAL #2-17-9-16 NW/NE SECTION 17, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. <u>GEOLOGIC SURFACE FORMATION:</u>

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0'- 2620'
Green River	2620'
Wasatch	6060'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2620' – 6060' - Oil

4. **PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. <u>TESTING, LOGGING AND CORING PROGRAMS:</u>

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY FEDERAL #2-17-9-16 NW/NE SECTION 17, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. <u>EXISTING ROADS</u>

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #2-17-9-16 located in the NW 1/4 NE 1/4 Section 17, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly – 10.9 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly – 1.5 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly – 0.3 miles \pm to it's junction with the beginning of the proposed access road, proceed northeasterly along the proposed access road – 0.9 miles \pm to the proposed well location.

2. <u>PLANNED ACCESS ROAD</u>

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon. Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. <u>SOURCE OF CONSTRUCTION MATERIALS</u>

Please refer to the Monument Butte Field SOP.

7. <u>METHODS FOR HANDLING WASTE DISPOSAL</u>

Please refer to the Monument Butte Field SOP.

8. <u>ANCILLARY FACILITIES</u>

Please refer to the Monument Butte Field SOP.

WELL SITE LAYOUT

9.

See attached Location Layout Diagram.

10. <u>PLANS FOR RESTORATION OF SURFACE</u>

Please refer to the Monument Butte Field SOP.

11. <u>SURFACE OWNERSHIP</u> - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. Arch Report #1030-01, 4/23/98. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #2-17-9-16 Newfield Production Company requests a 2460' ROW be granted in Lease UTU-52018 and 2170' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 2460' ROW in Lease UTU-52018 and 2170' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Sage Grouse: If new construction or surface disturbing activities are scheduled to occur between March 1 and June 30, detailed surveys of the area within 0.5 mile of the proposed location must be conducted to detect the presence of sage grouse. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

3

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass

Agropyron Cristatum

12 lbs/acre

Details of the On-Site Inspection

The proposed Federal #2-17-9-16 was on-sited on 10/25/05. The following were present; Shon Mckinnon (Newfeild Production), Byron Tolman (Bureau of Land Management), and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open..

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

<u>Representative</u>

Name:	Shon Mckinnon
Address:	Route #3 Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

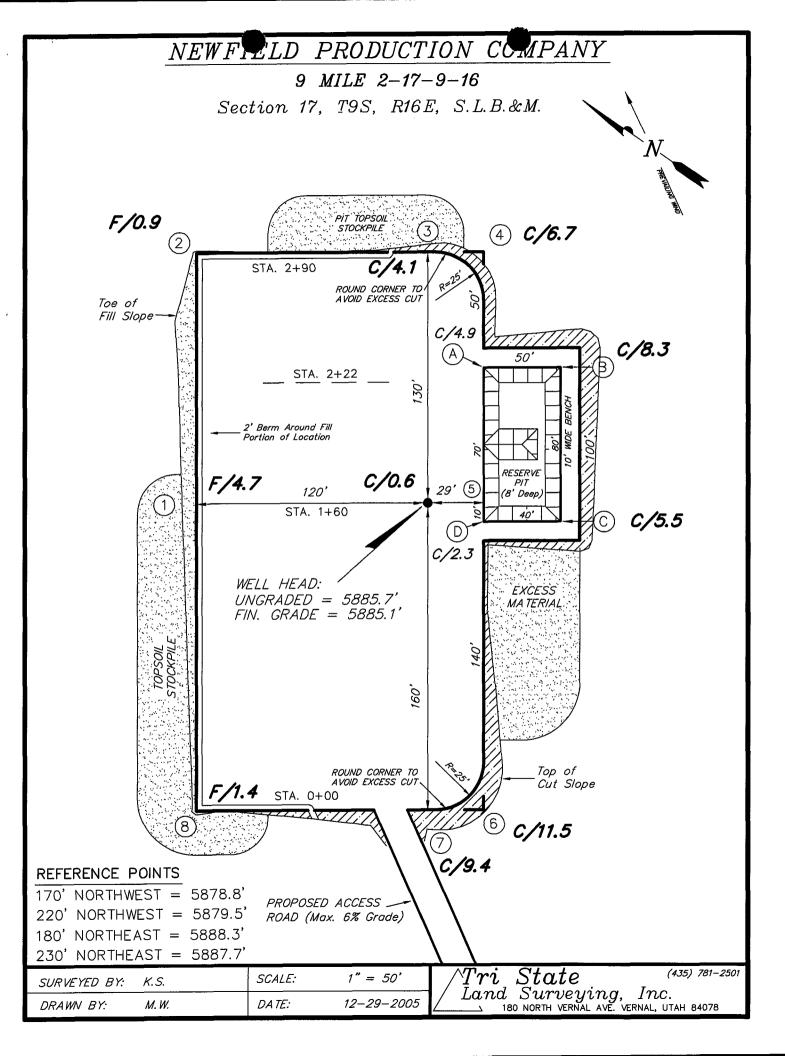
Certification

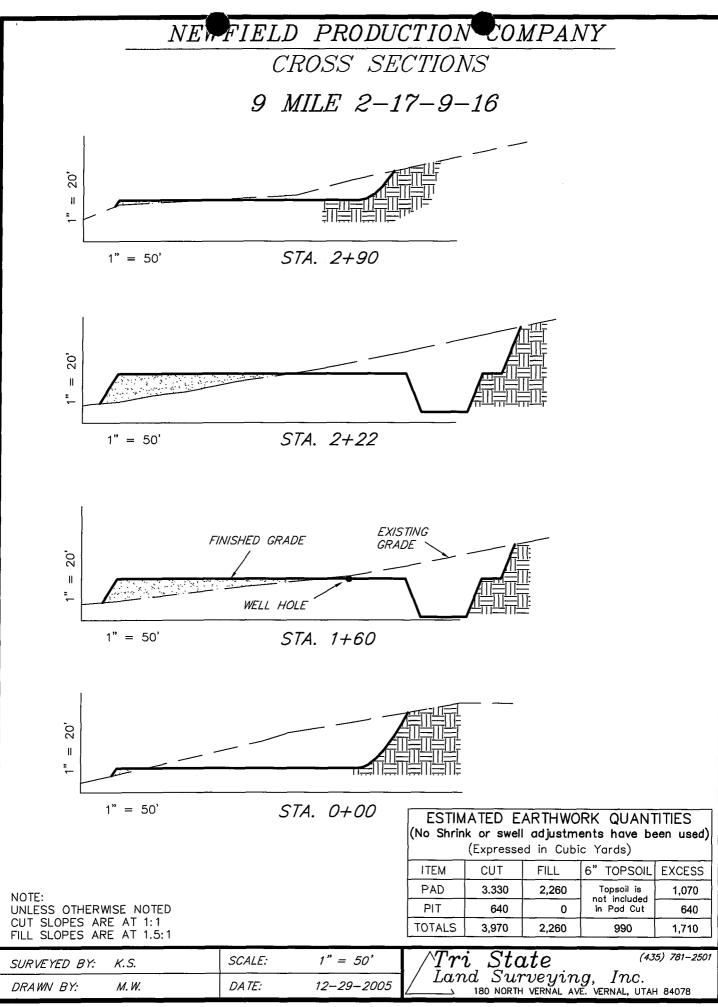
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #2-17-9-16 NW/NE Section 17, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

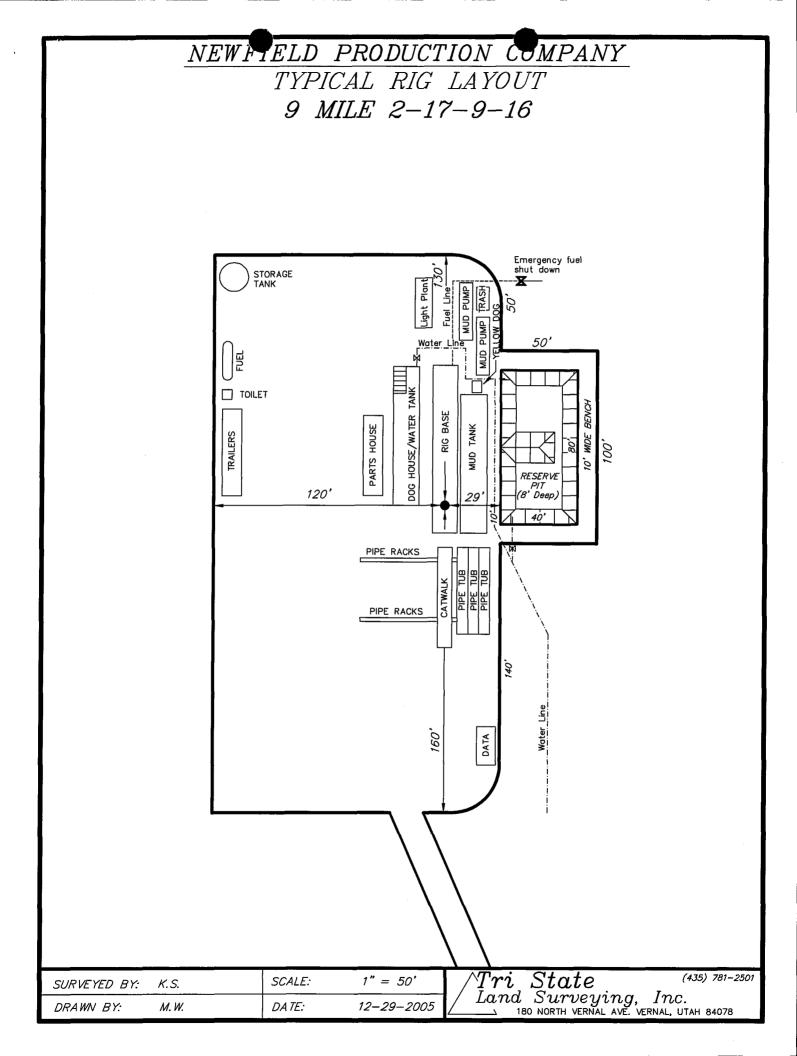
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

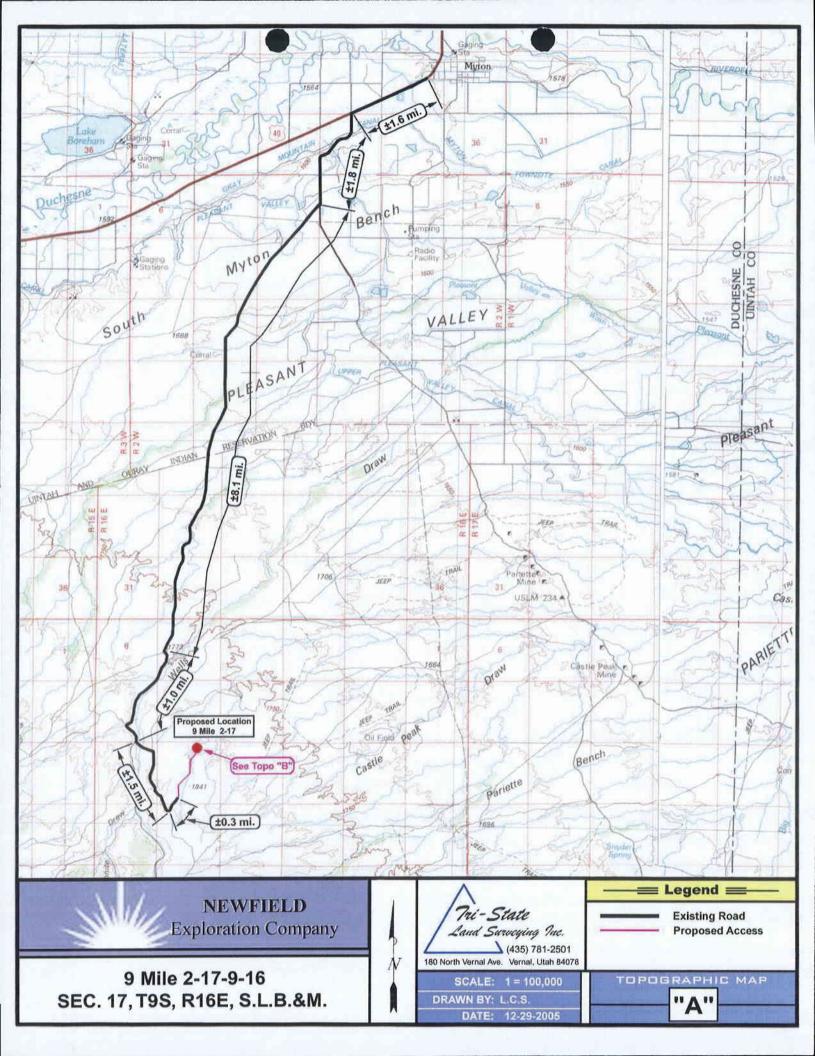
<u>1/23/06</u> Date

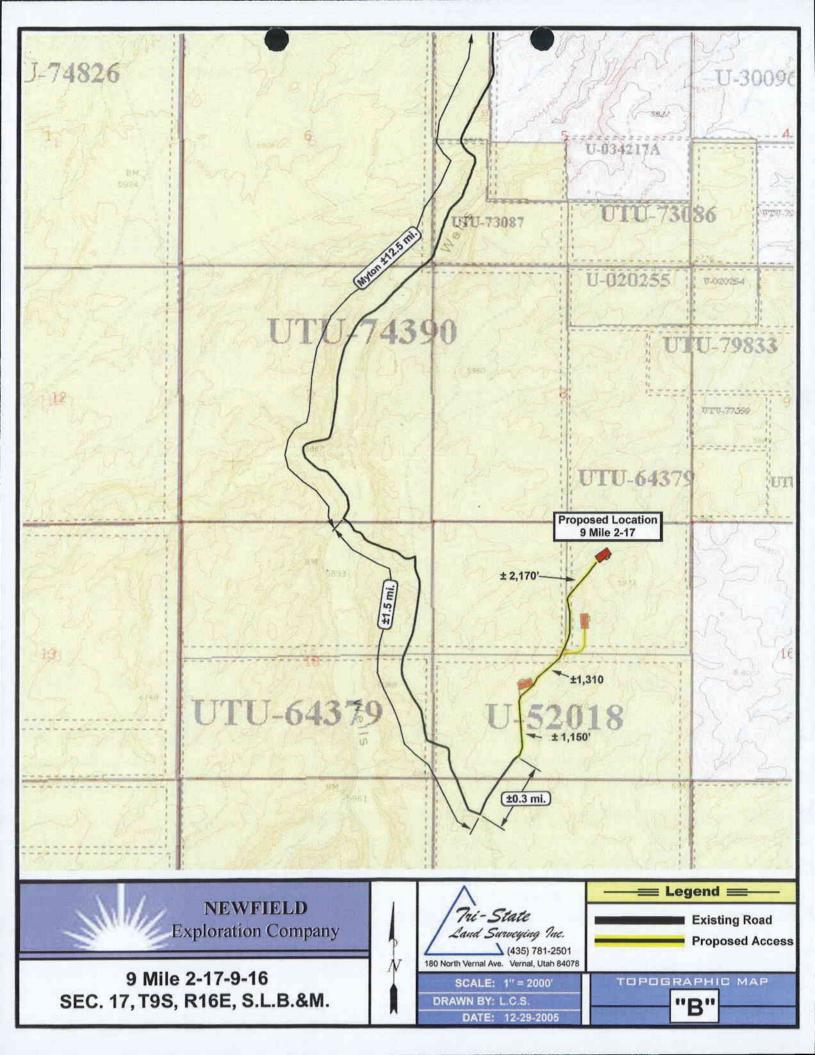
Mandie Crozier Regulatory Specialist Newfield Production Company

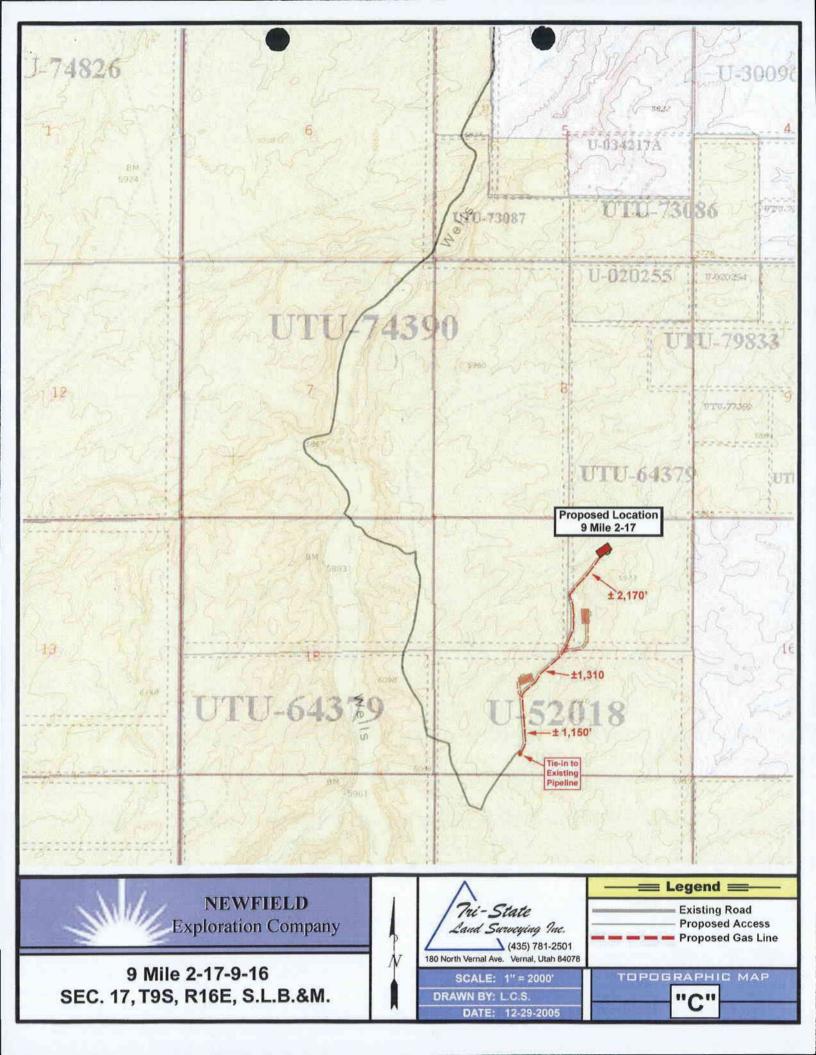




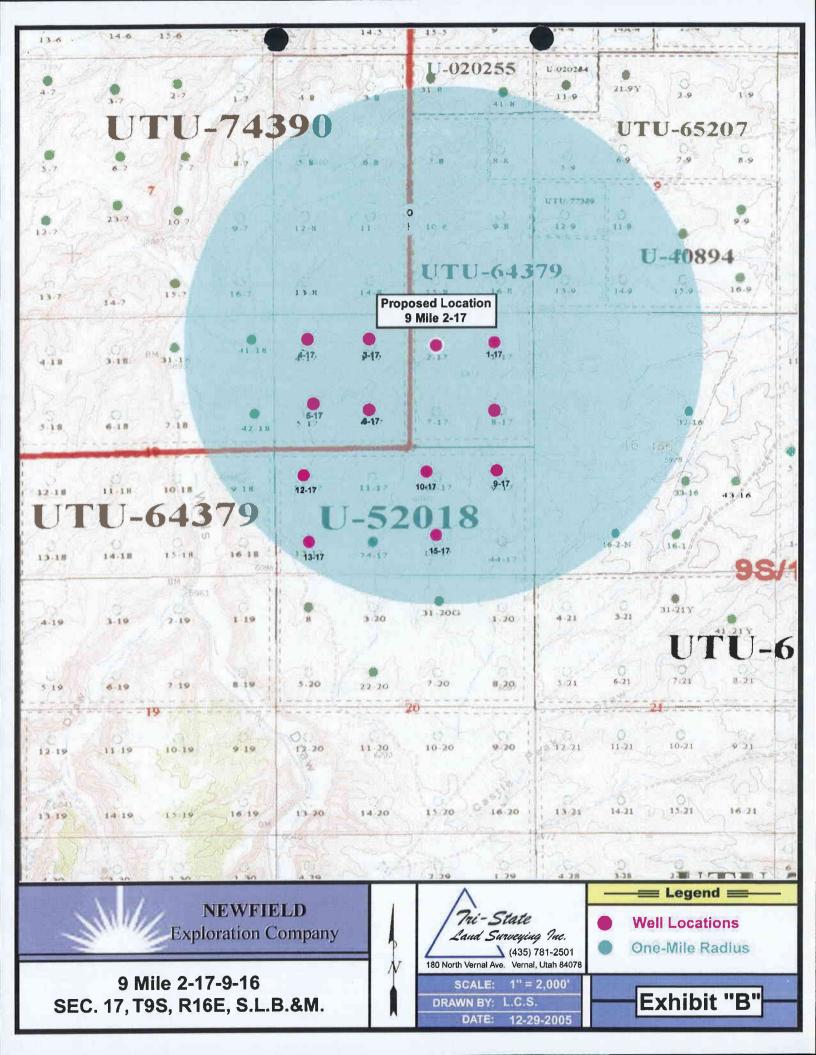






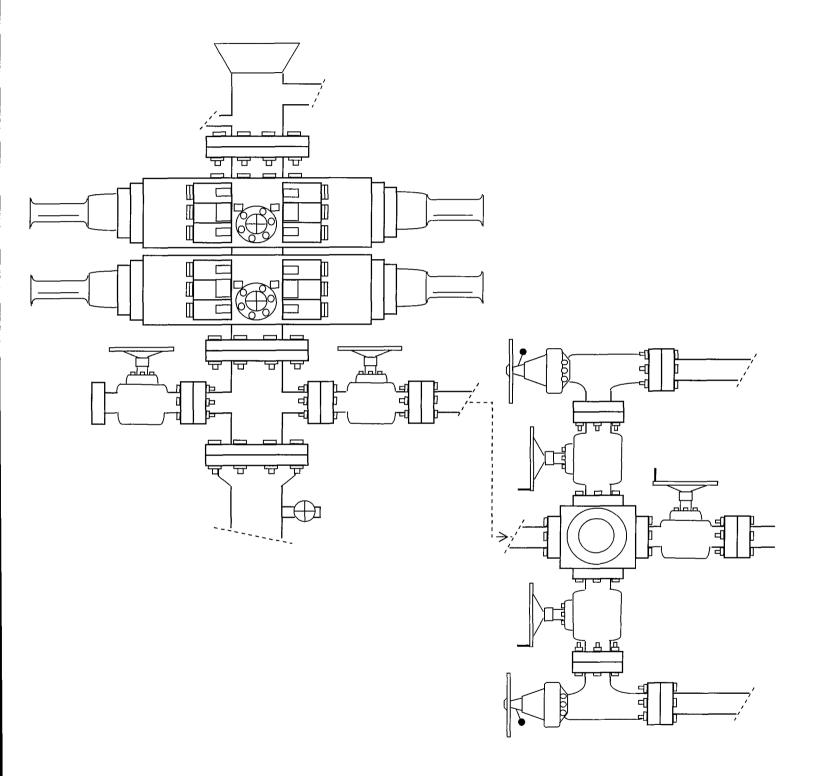


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A CULTURAL RESOURCE SURVEY OF THE SOUTH WELLS DRAW UNIT,

DUCHESNE COUNTY, UTAH

by

Ann Polk and Danielle Diamond

Prepared for:

Inland Production Company P.O. Box 790233 Vernal, Utah 84079-0233

Prepared by:

Sagebrush Consultants, L.L.C. 3670 Quincy Avenue, Suite 203 Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 97-UT-54630

and

Utah State Antiquities Permit No. U-97-SJ-0780b.

Archaeological Report No. 1030-01

April 23, 1998

NEWFIELD PRODUCTION COMPANY

re de a

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

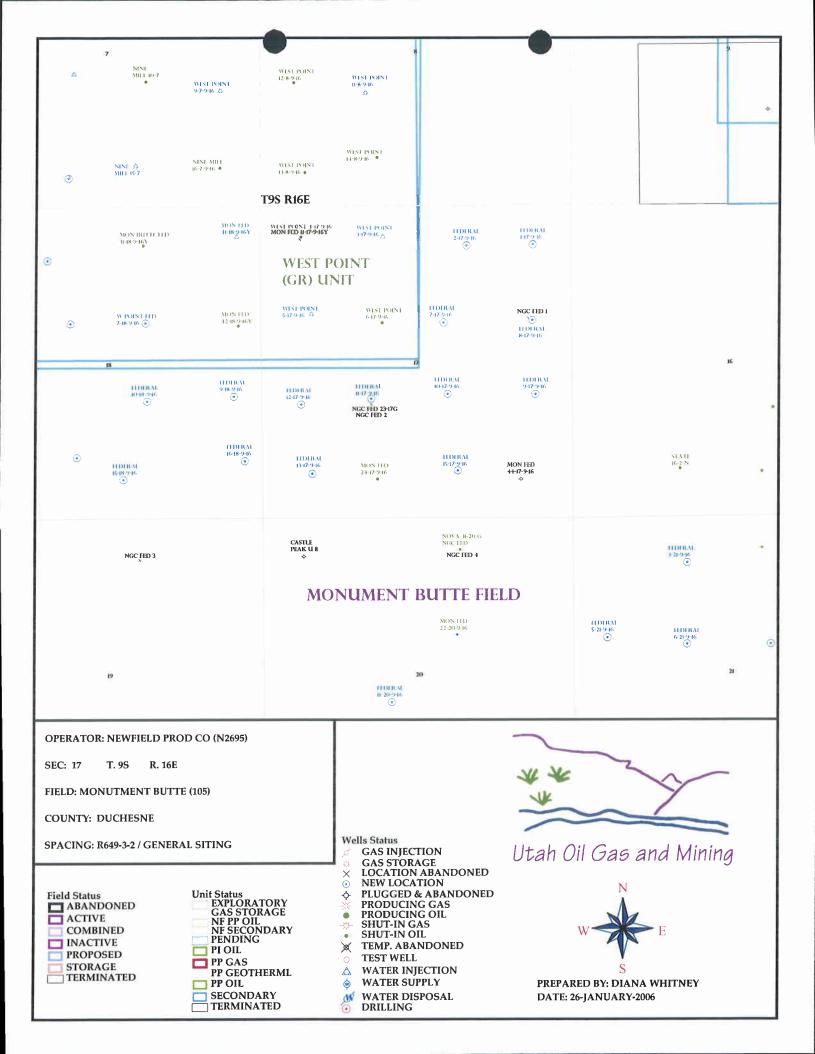
Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller Consulting Paleontologist November 10, 2005 WORKSHEET APPLICATION FOR PERMIT TO DRILL

API NO. ASSIGNED: 43-013-33029 APD RECEIVED: 01/24/2006 WELL NAME: FEDERAL 2-17-9-16 PHONE NUMBER: 435-646-3721 OPERATOR: NEWFIELD PRODUCTION (N2695) MANDIE CROZIER CONTACT: INSPECT LOCATN BY: / 1 PROPOSED LOCATION: NWNE 17 090S 160E Tech Review Initials Date SURFACE: 0669 FNL 1785 FEL Engineering BOTTOM: 0669 FNL 1785 FEL COUNTY: DUCHESNE Geology LATITUDE: 40.03631 LONGITUDE: -110.1395 Surface UTM SURF EASTINGS: 573414 NORTHINGS: 4431932 FIELD NAME: MONUMENT BUTTE (105) LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-64379 PROPOSED FORMATION: GRRV SURFACE OWNER: 1 - Federal COALBED METHANE WELL? NO LOCATION AND SITING: RECEIVED AND/OR REVIEWED: ____ R649-2-3. 🖌 Plat ✓ Bond: Fed[1] Ind[] Sta[] Fee[] Unit: (No. UTB000192) ✓ R649-3-2. General \mathbb{N} Potash (Y/N)Siting: 460 From Qtr/Qtr & 920' Between Wells N Oil Shale 190-5 (B) or 190-3 or 190-13 R649-3-3. Exception 🖌 Water Permit (No. MUNICIPAL) ____ Drilling Unit N RDCC Review (Y/N) Board Cause No: (Date: _____) Eff Date: _____ NUM Fee Surf Agreement (Y/N) Siting: M^{μ} Intent to Commingle (Y/N) R649-3-11. Directional Drill COMMENTS: _____Sep. Seperate hile___ 10 Copproval STIPULATIONS:]- Jeeli





State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director



JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

January 26, 2006

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re: Federal 2-17-9-16 Well, 669' FNL, 1785' FEL, NW NE, Sec. 17, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33029.

Sincerely,

LPZ

Gil Hunt Associate Director

pab Enclosures

cc:

Duchesne County Assessor Bureau of Land Management, Vernal District Office

Operator:	Newfield Producti	on Company	
Well Name & Number	Federal 2-17-9-16		 ·
API Number:	43-013-33029		
Lease:	UTU-64379		
Location: <u>NW NE</u>	Sec. <u>17</u>	T. <u>9 South</u>	R. <u>16 East</u>

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338
- 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

•								
	RECEIVE			•				
	JAN 2 4 2006							
Form 3160-3 (September 2001)	BLM VERNAL LITA				OMB No	APPROVED . 1004-013 nuary 31, 20	6	
	UNITED SPATES DEPARTMENT OF THE IN				5. Lease Serial No. UTU-643	79	and a set of the set of	
	BUREAU OF LAND MANAG		EENTER		6. If Indian, Allotte	e or Tribe	Name	
la. Type of Work:	DRILL CREENTER	<u></u>		<u></u>	7. If Unit or CA Agr N/A	eement, Na	ame and No.	
1b. Type of Well:	🛛 Oil Well 📮 Gas Well 📮 Other	🗴 si	ngle Zone 📮 Multij	ole Zone	8. Lease Name and V Federal 2-1			
2. Name of Operat					9. API Well No.		~	
Newfield Prod	uction Company				43.013.3	302	9	
3a. Address			a. (include area code)		10. Field and Pool, or	•	ry	
	630, Myton UT 84052) 646-3721		Monument B 11. Sec., T., R., M., or		Survey or Area	
 Location of We At surface NV 	ll (Report location clearly and in accordance with a V/NE 669' FNL 1785' FEL	my State requ	rrements.")			17, T9S F	-	
At proposed pro								
	and direction from nearest town or post office*				12. County or Parish Duchesne		13. State	
	y 15.2 miles southwest of Myton, Utah	16 No of	Acres in lease	17 Spaciu	Ing Unit dedicated to this	well		
15. Distance from pr location to neare property or lease	st line, ft.		6.36	17. Space	40 Acres			
		19. Propose		20 BLM/	M/BIA Bond No. on file			
 Distance from proton to nearest well, d applied for, on th 	rilling, completed,		60'		UTB000192			
	w whether DF, KDB, RT, GL, etc.)	1	imate date work will sta arter 2006	rt*	23. Estimated duration Approximately seven (7) days		rig release,	
		24. Atta	chments		_ <u></u>			
	eted in accordance with the requirements of Onsho			ached to thi	is form:			
 Well plat certified A Drilling Plan. A Surface Use P 	by a registered surveyor. I have a surveyor and the location is on National Forest System and with the appropriate Forest Service Office).		 Bond to cover the second second	he operatio ation. specific inf	ons unless covered by au Formation and/or plans			
			(Printed/Typed)			Date		
25. Signature	rdie Cuozus		ndie Crozier			1	3/06	
Title F	Regulatory Specialist							
Approved by (Signatu		Name	(Printed/Typed)			Date		
	Konscher :	t I	JERRY KEN	CZKA		1 8-4	1-2006	
Title	Assistant Field Manager Mineral Resources) Offic	VERNAL FIL	его О	FICE	<u>. </u>		
operations thereon.	does not warrant or certify the the applicant holds held, if any, are attached.	egal or equitab	le title to those rights in	the subject	lease which would entit	le the appl	icant to conduct	
Title 18 U.S.C. Section	on 1001 and Title 43 U.S.C. Section 1212, make it	a crime for a	ny person knowingly ar	nd willfully	to make to any departm	ent or age	ncy of the United	
States any false, fictit	ious or fraudulent statements or representations as t	o any matter w	ithin its jurisdiction.					
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	FOR RECORD (JINLI						



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE 170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No: API No:	Newfield Production (Federal 2-17-9-16 43-013-33029	Company	Location: Lease No: Agreement:	NWNE, Sec UTU-64379 N/A	:. 17, T9S, R16E
Environmental Environmental Natural Resou Natural Resou Natural Resou Natural Resou	gineer: etroleum Technician: Scientist: Scientist: rce Specialist: rce Specialist: rce Specialist: rce Specialist:	Matt Baker Michael Lee Jamie Sparger Paul Buhler Karl Wright Chris Carusona Holly Villa Melissa Hawk Scott Ackerman Nathaniel West	Office: 435-78 Office: 435-78	31-4432 31-4502 31-4475 31-4484 31-4441 31-4404 31-4476 31-4437	Cell: 435-828-4470 Cell: 435-828-7875 Cell: 435-828-3913 Cell: 435-828-4029
Natural Resou After hours co	ontact number: (435) 781	· · · · · · · · · · · · · · · · · · ·	FAX: (435)7		

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Location Construction
(Notify Chris Carusona)

Location Completion (Notify Chris Carusona)

Spud Notice (Notify Petroleum Engineer)

Casing String & Cementing (Notify Jamie Sparger SPT)

BOP & Related Equipment Tests (Notify Jamie Sparger SPT)

First Production Notice (Notify Petroleum Engineer)

- Forty-Eight (48) hours prior to construction of location and access roads.
 - Prior to moving on the drilling rig.
- Twenty-Four (24) hours prior to spudding the well.
- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- Twenty-Four (24) hours prior to initiating pressure tests.
- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

DRILLING AND CONSTRUCTION

All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.

Prior to construction the operator must consult with the U.S. Army Corps of Engineers regarding compliance with Section 404 of the Clean Water Act.

In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer.

Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.

If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.

The reserve pit shall be double lined with felt and a 12 ml or greater liner.

No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.

The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.

When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.

Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).

Prevent fill and stock piles from entering drainages.

CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION.

Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery shall be made by the authorized officer to

determine appropriate actions to prevent the loss of signed ant cultural or scientific values. The holder shall be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

The access road shall be crowned and ditched. Flat-blaced roads are NOT allowed.

Notify the Authorized Officer 48 hours prior to surface discurbing activities.

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities dia not occur may require disking or ripping and reseeding.

Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location or access road.

Trees must be removed from the location; must be piled separately off location; and saved for final reclamation purposes.

INTERIM RECLAMATION

Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.

Interim Reclamation Seed Mix for location: Crested wheat grass Agropryon cristatum Per Live Seed Total 4 lbs/acre

4 lbs/acre

Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.

The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.

There shall be no primary or secondary noxious weeds in the seed mixture.

The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.

The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture shall be doubled and the area raked or chained to cover the seed. Seeding shall be conducted in fall.

COMPLETION AND PRODUCTION

All Blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.

During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.

The dikes for the production facilities will be constructed of compacted subsoil, be impervious, hold 110% the capacity of the largest tank with (one) 1 foot of freeboard and be independent of the backcut. All galvanized material used for dikes shall be painted on the inside and outside. Dikes shall be installed before production starts. Diking of the entire location will only be used as a secondary means of containment.

Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe of the backcut.

Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed starting date.

No production pits shall be allowed on the location.

Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.

All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (see well stipulations for color specific to each well). All facilities shall be painted within twelve (12) months of installation.

The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.

Equipment not being used for production shall not be stored on the well location.

All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

ABANDONED WELL – FINAL RECLAMATION

A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved.

The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.

The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-

half inch using a seed drill. Weed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.

When seeding Artemsia spp or shrubs broadcast seed and chain the area.

Final reclamation shall be a stage process.

If invasive or undesirable species are present in the area the location to be reclaimed will be sprayed with a pesticide in fall preferably October. (pesticide determined by the Vernal Field Office).

30 days after treatment drill seed the location with 4 lbs/acre Crested wheatgrass.

Once the desired pioneer species has established (2 yrs +) the seeded area shall be sprayed in a mosaic pattern with the above determined pesticide.

Reseed within 30 days with an approved native final reclamation seed mix.

Final reclamation will be considered complete once desired plants are > 5 plants per square meter and invasive or un-desirable species are < 100 plants per square meter.

<u>Timing Limitation Stipulation</u> – No surface use is allowed within the nesting areas during the following time period: March 1 through June 30. This stipulation would not apply if sage grouse are not present or if impacts could be mitigated. Paint olive drab. 6" and 4" surface poly gas lines.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

• None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.

- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.
- Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office
 Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports will be
 submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - Well name and number.
 - Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and / or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30



days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company:	any: NEWFIELD PRODUCTION COMPANY					
Well Name:	FEDERAL	2-17-9-16				
Api No <u>: 43-013</u>	3-33029	_Lease Type:	FEDERAL			
Section <u>17</u> Towns	hip <u>09S</u> Range_	<u>16E</u> County	DUCHESNE			
Drilling Contractor	NDSI	R	1G #N S#1			
SPUDDED:						
Date	08/29//06					
Time	10:00 AM					
How	DRY					
Drilling will Com	mence:					
Reported by	TROY ZUFE	LIT				
Telephone #	(435) 823-601	3				
Date09/05/06	_SignedCH	D				

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	COMMENTE:		43-013-303090	FEDERAL 7-17-9-16	SW/NE	17	95	16E	DUCHESNE		8/30/06
	G	RRU								08/26/06	8/30/06
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DIV. OF OIL, GAS & MINING

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FQRM 3160-5 (September 2001) SUN Do not abandon	DEPARTMENT OF TI BUREAU OF LAND M NDRY NOTICES AND RE use this form for proposa	ANAGEMENT		OM	
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 Notice of Intent Subsequent Report Final Abandonment 	 Acidize Alter Casing Casing Repair Change Plans Convert to 	 Deepen Fracture Treat New Construction Plug & Abandon Plug Back 	Reclamati	ete ily Abandon	 Water Shut-Off Well Integrity Other Spud Notice
proposal is to deepen direction Bond under which the work of the involved operations.	onally or recomplete horizontally, give will be performed or provide the Bond of the operation results in a multiple cor	nt details, including estimated starting da subsurface locations and measured and t No. on file with BLM/BIA. Required su npletion or recompletion in a new interva s, including reclamation, have been com	rue vertical depths ibsequent reports s al, a Form 3160-4	of all pertinent markers shall be filed within 30 da shall be filed once testing	and zones. Attach the ays following completion g has been completed.

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On 8/29/06 MIRU NDSI NS#1.Spud well @ 10:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.15' KB .8/31/06 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)	Title	
Don Bastian	Drilling Foreman	
Signature Jon Bastian	Date 08/31/2006	
THUS SPACE FOR ET	DERAL OR SHAUE OF DR	IFUSI
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant of certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictitious and fraudulent statements or representations as to any matter	within its jurisdiction ncocl	
(Instructions on reverse)	HLUE!	
	SEP 07	2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.15

LAST CASING		8 5/8"	. <u>15'</u>							
DATUM	12'	КВ								
DATUM T	o cui	r off cas	SING							
DATUM TO BRADENHEAD FLANGE										
TD DRILL	ER _	320'	LOGGER							
HOLE SIZ	Έ	12 1/4								

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OPERATOR	NewField Production Company				
WELL	Federal 2-17-9-16				
FIELD/PROSPECT	Monument Butte				
CONTRACTOR & RIG #	NDSI NS#1				

									······	
LOG OF CA	SING STRIM	NG:								
PIECES OD		ITEM -	ITEM - MAKE - DESCRIPTION			GRD	THREAD	CONDT	LENGTH	
	Shoe Joint 44.10'									
		WHI - 92 csg head					8rd	A	0.9	
7	8 5/8"	Maverick ST&C csg			24#	J-55	8rd	A	311.3	
			GUIDE	shoe			8rd	A	0.9	
CASING IN	VENTORY B	AL.	FEET	JTS	TOTAL LENGTH OF STRING				313.15	
TOTAL LEN	GTH OF ST	RING	313.15	7	LESS CUT OFF PIECE				2	
LESS NON	CSG. ITEMS	3	1.85		PLUS DATUM TO T/CUT OFF CSG				12	
PLUS FULL	JTS. LEFT (JUT	0		CASING SET DEPTH			323.15		
	TOTAL		311.3	7] ₁					
TOTAL CSC	. DEL. (W/O	THRDS)	311.3	7						
TIMING			1ST STAGE]					
BEGIN RUN CSG. Spud		8/29/2006	10:00AM	GOOD CIRC THRU JOB Yes						
CSG. IN HOLE		8/30/2006	9:00am	Bbls CMT CIRC TO SURFACE 3						
BEGIN CIRC		8/31/2006	11:17am	RECIPROCATED PIPE FORTHRU			FT STROKE			
BEGIN PUMP CMT		8/31/2006	11:28am			_	N/A			
BEGIN DSPL. CMT		8/31/2006	11:44am	BUMPED PLUG TO 135			35 PSI			
PLUG DOW	N		8/31/2006	11:55am					<u></u>	
CEMENT US	SED			CEMENT CO	MPANY-	<u>B. J.</u>				
STAGE	# SX		CEMENT TYPE & ADDITIVES							
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield								
			<u> </u>							
							·····			
CENTRALIZ	ER & SCRA	TCHER PLAC	CEMENT			SHOW MAR	KE & SPACII	١G		
Centralizers	s - Middle fi	rst, top secc	ond & third for	3			. <u></u>			

COMPANY REPRESENTATIVE Don Bastian

DATE 8/31/2006

FORM 3160-5 (September 2001) DI E SUNDRY Do not use th abandoned we	0	1-64379			
	n 14 fill an an Arbeil ann. A	n an		7. If Unit or CA/A	greement, Name and/or
1. Type of Well Oil Well Gas Well 2. Name of Operator	Other			8. Well Name and FEDERAL 2-17-	
NEWFIELD PRODUCTION CO 3a. Address Route 3 Box 3630 Myton, UT 84052 4. Location of Well (Footage, S 669 FNL 1785 FEL	9. API Well No. 4301333029 10. Field and Pool, or Exploratory Area <u>MONUMENT BUTTE</u> 11. County or Parish, State				
NWNE Section 17 T9S R16E	APPROPRIATE BOX(E	S) TO INIDICATE NA	TURE OF N	DUCHESNE, U	
TYPE OF SUBMISSION			E OF ACTION		
Notice of Intent	 Acidize Alter Casing Casing Repair Change Plans 	 Deepen Fracture Treat New Construction Plug & Abandon 	Reclamat Recomple Tempora	ete rily Abandon	 Water Shut-Off Well Integrity Other Weekly Status Report
Bond under which the work will be of the involved operations. If the op Final Abandonment Notices shall be inspection.) On 9-14-06 MIRU Patters 8.625 csgn to 1,500 psi. ' out cement & shoe. Drill a Dia/SR/GR log's TD to si	r recomplete horizontally, give subsur performed or provide the Bond No. or peration results in a multiple completic e filed only after all requirements, incl soon Rig # 155. Set all equip Vernal BLM field, & Roosev a 7.875 hole with fresh wat urface. PU & TIH with Guid- nent mixed @ 11.0 ppg & 4	rface locations and measured and a file with BLM/BIA. Required is on or recompletion in a new inter uding reclamation, have been co poment. Pressure test Ke velt DOGM office was r er to a depth of 6063', e shoe, shoe it, float co	wile vertical depuin subsequent reports val, a Form 3160-4 mpleted, and the op elly, TIW, Cho notifed of test. Lay down driil llar, 138 jt's o	ed work and approxim s of all pertinent mark shall be filed within 3(shall be filed once tes perator has determined oke manifold, & I PU BHA and ta II string & BHA. f 5.5 J-55, 15.5#	0 days following completion string has been completed. that the site is ready for final Bop's to 2,000 psi. Test ag cement @ 280'. Drill Open hole log w/ # csgn. Set @ 6063' / KB.

I hereby certify that the foregoing is true and	Title			
correct (Printed/ Typed) Perry Getchell	Drilling Foreman			
Signature fun children	Date 09/21/2006			
Approved by	Title	Date		
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease	Office			
which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any personal states any false, fictitious and fraudulent statements or representations as to any matter with	erson knowingly and willfully to make to	any department or agency of the United		
States any false. fictitious and fraudulent statements or representations as to any matter with	ithin its iurisdiction	RECEIVED		
(Instructions on reverse)		SEP 2 5 2006		

SUNDRY Do not use to abandoned w SUBMIT IN T 1. Type of Well Coil Well Gas Well 2. Name of Operator <u>NEWFIELD PRODUCTION CC</u> 3a. Address Route 3 Box 3630 <u>Myton, UT 84052</u> 4. Location of Well (Footage.	UNITED STATE DEPARTMENT OF THE I BUREAU OF LAND MANA Y NOTICES AND REPO this form for proposals to rell. Use Form 3160-3 (Al RIPLICATE - Other Ins Other	NTERIOR AGEMENT ORTS ON WELL o drill or to re-ent PD) for such prop tructions on rev 3b. Phone (inc 435,646.3721	posals.	5. Lease Serial N 6. If Indian, Allot 7. If Unit or CA// 8. Well Name and FEDERAL 2-17 9. API Well No. 4301333029	Les or Tribe Name. Agreement, Name and/or d No. 2-9-16 ol, or Exploratory Area BUTTE
669 FNL 1785 FEL NWNE Section 17 T9S R16E					
	K APPROPRIATE BOX(I			E OF NOTICE OR O	
	APPROPRIATE BOAD	ES) TO INIDICA	TYPE OF		
TYPE OF SUBMISSION	 Acidize Alter Casing Casing Repair Change Plans 	 Deepen Fracture Treat New Construct Plug & Aband 		Production(Start/Resume) Reclamation Recomplete Temporarily Abandon	Water Shut-Off Well Integrity Other
Final Abandonment	Convert to	Plug Back	X	Water Disposal	
Ashley, Monument Butte produced water is injecte	uced to a steel storage tan e, Jonah, and Beluga wate ed into approved Class II v ty criteria, is disposed at N sal facilities.	r injection facilities vells to enhance N	s by compar lewfield's se	iy or contract trucks. Su condary recovery proje	ct.
		Accept	ed by th	0	
		Utah D	ivision d		
		Oil, Gas	and 🍋		
		FCP File			
	in true and	Title			
I hereby certify that the foregoing correct (Printed/ Typed)	is uuc allu		atory Specialis	•	
Mandie Crozier Signature	7 .	Date	aut y opectans	•	
Wandil	win	10/12/			
	THIS SPACE F	OR FEDERAL	OR STATE	OFFICE USE	
Approved by	ched. Approval of this notice does no equitable title to those rights in the st	ot warrant or ibject lease	<u>Title</u> Office		ate
which would entitle the applicant to co	nduct operations thereon. 43 U.S.C. Section 1212, make it a cr.	ine for any person know	ingly and willfull	y to make to any department or a	igency of the RECEIVEL
States any false, fictitious and fraudule (Instructions on reverse)	nt statements or representations as to	any matter within its juri	sdiction		OCT 1 3 2006

(Instructions on reverse)

DIV. OF OIL, GAS & MINING

	SUBMIT IN DUPLICATE (See other in- structions ons reverse side) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT						137 28, 1995 AND SEREMENO.
		J-64379 FOR TRIBE NAME					
WELL COMPL	ETION OI	R RECON	IPLETION R	EPORT A	ND LOG*		NA
1a. TYPE OF WORK	oil 🔽	GAS		1		7. UNIT AGREEMENT N	
D. 25/02 AF WELL	OIL WELL X	WELL	DRY	Other		Fe	ederal
15. TYPE OF WELL						8. FARM OR LEASU NA	MF, WFLL NO.
NEW X WORK	DEEPEN	PEUG BACK	DIFF RESVR.	Other		Federa	al 2-17-9-16
2. NAME OF OPERATOR	N6		<u>, </u>			9. WFLL NO.	13-33029
3. ADDRESS AND TELEPHONE NO.			tion Company			10, FIELD AND POOL OI	R WILDCAT
4. LOCATION OF WELL (Report loca			Denver, CO 8			D. SEC., L. R. M. OR B	nent Butte
At Surface At top prod. Interval reported below	669' FN	IL & 1785' FEL	(NW/NE) Sec. 17	, T9S, R16E		OR AREA Sec. 17,	, T9S, R16E
							·····
At total depth		H. APLNO	-013-33029	DATE ISSUED	1/26/06	12. COUNTY OR PARISH Duchesne	13. STATE UT
15. DATE SPUDDED 16. DATE T.D. 1	REACHED	17. DATE COMPL.	(Ready to prod.)	18. ELEVATIONS (I	DF. RKB. RT. GR. E	I'C.)*	19. ELEV. CASINGHEAD
	20/06		/10/06 22. IF MULTIPLE 0	5886	5' GL 23. INTERVALS	5898' KB	CABLE TOOLS
20. TOTAL DEPTH, MD & TVD	21. РЕОС ВАСК Т.		HOW MANY*	COMPL.,	DRILLED BY		
6063'		42'			>	X	25. WAS DIRECTIONAL
24. PRODUCING INTERVAL(S), OF THIS	COMPLETION10F		River 4202'-5	5750'			SURVEY MADE
26. TYPE ELECTRIC AND OTHER LOGS I	RUN						27. WAS WELL CORED
Dual Induction Guard, SI	P, Compens		y, Compensate			Cement Bond Log	No No
23. CASING SIZE/GRADE	WEIGHT, I.B.		TH SET (MD)	HOLE SIZE	TOP OF CE	MENT, CEMENTING RECORD	AMOUNT PULLED
CASING SIZUGRADE 8-5/8" - J-55 5-1/2" - J-55	24#		323' 6063'	12-1/4" 7-7/8"		with 160 sx Class "G" cmt lite II and 450 sx 50/50 Poz	
5-1/2 - J-55	15.5#		0003	1-110	323 SX FIEID		·
29.		RECORD		·····	30.	TUBING RECORD	
SIZE TOP	(MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	size 2-7/8"	DEPTH SET (MD)	TA @
						5835'	5705'
31. PERFORATION RECORD (Interval, s	ize and number)	\$17E	SDE/NILIMDED	32. DEPTH INT	ACID, SHOT ERVAL (MD)	FRACTURE, CEMENT SQUE	EZE, ETC.
INTERVAL (CP3) 5	5736'-5750'	<u></u>	<u>SPF/NUMBER</u> 4/56	5736'		Frac w/ 29,681# 20/40 s	
	5591'-5604'	.43"	4/52	5591'-		Frac w/ 34,101# 20/40 s	and in 395 bbls fluid
	5262'-5273'	.43"	4/44	5262'-		Frac w/ 49,346# 20/40 s	and in 429 bbls fluid
(A3) 5	5172'-5182'	.43"	4/40	5172'-	-5182'	Frac w/ 29,420# 20/40 s	and in 358 bbls fluid
(A1) 5	5044'-5052'	.43"	4/32	5044'-	-5052'	Frac w/ 34,720# 20/40 s	and in 386 bbls fluid
(B2) 4	1940'-4954'	.43"	4/56	4940'-		Frac w/ 59,969# 20/40 s	
(D2) 4	1727'-4741'	.43"	4/56	4727'-		Frac w/ 34,580# 20/40 s	
	431'-4443'	.43"	4/48	4431'-		Frac w/ 50,316# 20/40 s	
	202'-4209'	.43"	4/28 PRODUCT	4202'-	-4209'	Frac w/ 31,683# 20/40 s	and in 336 bbls fluid
33.* DATE LIRST PRODUCTION 10/10/06	PRODUCTION M	FTHOD (Flowing, g) 2-1/2" >	s lift, pumpingsize and type (1-1/2" x 14' RH	pe of pump)	nger Pump		PRODUCING
	RS IFSTED	CHOKL SIZI		BBI S.	G \S\ICI	WATER-BBL.	GAS-OIL RATIO
30 day ave			>	61	18	44	295
HOW, IT BING PRESS CAS	ANG PRESSURE	CALCULATED 24 HOUR RATE	OH BRI F	GA86A[C]	-	WATER-BRI OF GRAV	ELY APPRORRA
4. DISPOSITION OF GAS (Soid, used for h		Sold & Used	for Fuel			TEST WITNESSED BY	
25. FIST OF ATTACHMENTS					REC	EIVED	
VIAL	Din			en for en en el de Ca	NOV		· · ·
Juin J	Inve						
				i	514. UF UIL, (AS & MINING	

ries): FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC.		TO	P
······				NAME	MEAS. DEPTH	TRUE VERT, DEPT
			Well Name Federal 2-17-9-16	Garden Gulch Mkr Garden Gulch 1	3657' 3872'	
				Garden Gulch 2	3979'	
				Point 3 Mkr X Mkr	4233' 4500'	
				Y-Mkr Douglas Creek Mkr BiCarbonate Mkr	4533' 4646' 4820'	
				B Limestone Mkr Castle Peak	4987' 5516'	
				Basal Carbonate Total Depth (LOGGERS	5972' 6070'	

	STATE OF UTAH					
Ε	5. LEASE DESIGNATION AND SERIAL NUMBER:					
SUNDRY N	NOTICES AND REPO	ORTS ON	WELLS	6. IF INDIAN, ALLOITEE OR TRIBE NAME:		
Do not use this form for proposals to drill ne wells, or to drill horizontal lat	7. UNIT of CA AGREEMENT NAME:					
1. TYPE OF WELL:				8. WELL NAME and NUMBER:		
OIL WELL	GAS WELL OTHER		0	FEDERAL 2-17-9-16		
2. NAME OF OPERATOR:				9. API NUMBER:		
NEWFIELD PRODUCTION COMPA	NY			4301333029		
3. ADDRESS OF OPERATOR:			PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:		
	Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE		
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 669 FNL 1785 FEL COUNTY: DUCHESNE						
OTROTE, SECTION, TOWNSHIP, RANGE, MER	RIDIAN: NWNE, 17, T9S, R16E			STATE: UT		
IL CHECK APPROPRI	IATE BOXES TO INDICATI	E NATURE	OF NOTICE, REPO	RT, OR OTHER DATA		
TYPE OF SUBMISSION	-	TY	PE OF ACTION			
	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION		
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL		
Approximate date work will	CASING REPAIR	NEW CONS'	TRUCTION	TEMPORARITLY ABANDON		
	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR		
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLAIR		
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACI	Ś	WATER DISPOSAL		
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)		WATER SHUT-OFF		
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMAT	TON OF WELL SITE	OTHER: - Weekly Status Report		
10/26/2006	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION			
12. DESCRIBE PROPOSED OR COMP	PLETED OPERATIONS. Clearly show a	ll pertinent detai	ls including dates, depths, vo	plumes, etc.		

Status report for time period 09/29/06 - 10/10/06

Subject well had completion procedures initiated in the Green River formation on 09-29-06 without the use of a service rig over the well. A cement bond log was run and a total of nine Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (65736'-5750'); Stage #2 (5591'-5604'); Stage #3 (5262'-5273'); Stage #4 (5172'-5182'); Stage #5 (5044'-5052'); Stage #6 (4940'-4954'); Stage #7 (4727'-4741'); Stage #8 (4431'-4443'); Stage #9 (4202'-4209'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 10-06-2006. Bridge plugs were drilled out and well was cleaned to 6042'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 10-10-2006.

NAME (PLEASE PRINT) Jentri Park	TITLE Production Clerk
SIGNATURE MARIE Dark	DATE 10.26.2006
This space for Sine use only)	RECEIVED

OCT 3 1 2006

DIV. OF OIL, GAS & MINING

	STATE OF UTAH DEPARTMENT OF NATURAL RES				FORM 9
1	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379				
SUNDR	WELLS	6. IF IND	IAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	pposals to drill new wells, signific reenter plugged wells, or to drill h n for such proposals.	antly deep norizontal la	en existing wells below aterals. Use APPLICATION	7.UNIT o GMBU (r CA AGREEMENT NAME: (GRRV)
1. TYPE OF WELL Oil Well					NAME and NUMBER: RAL 2-17-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY			9. API NU 43013	JMBER: 330290000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646	PHO -4825 Ext	NE NUMBER: t		and POOL or WILDCAT: //ENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0669 FNL 1785 FEL				COUNTY DUCHE	
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 17 Township: 09.0S Range: 16.0E	Meridian:	S	STATE : UTAH	
^{11.} CHECI	K APPROPRIATE BOXES TO INI	DICATE NA	ATURE OF NOTICE, REPOR	RT, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
		Δ.Α	LTER CASING		CASING REPAIR
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	c	HANGE TUBING		CHANGE WELL NAME
SUBSEQUENT REPORT	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	~	CONVERT WELL TYPE
Date of Work Completion: 11/10/2014			RACTURE TREAT		NEW CONSTRUCTION
	OPERATOR CHANGE PRODUCTION START OR RESUME		LUG AND ABANDON		PLUG BACK
SPUD REPORT Date of Spud:			IDETRACK TO REPAIR WELL		TEMPORARY ABANDON
		v	'ENT OR FLARE		WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	□ s	I TA STATUS EXTENSION		APD EXTENSION
	WILDCAT WELL DETERMINATION	🗸 o	THER	отне	R: New Perforation
 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 11/05/2014. New interval perforated, C sands - 4841-4847' 3 JSPF. On 11/07/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/10/2014 the casing was pressured up to 1522 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an State representative available to witness the test. 					
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE N 435 646-48		TITLE Water Services Technician		
SIGNATURE N/A			DATE 11/12/2014		

Sundry Number: 57750 API Well Number: 43013330290000

Relisse County

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness:	Date 11 101 2019 Time 2:55 (ampr
Test Conducted by: Districe Bernett	
Others Present:	
•	
Well: Federal 2-17-9-16	Field: Monument Butte
Well Location: NU/NE, Sec. 17, T95, RIC	E API No: 43-013-33029

<u>Time</u>	Casing Pressure	
0 min 5	1518, 2	psig psig
10	1521.8	psig
15 20	154-8	psig psig
25 30 min	1521.6	psig psig
35 40		psig psig
45 50		psig psig
55 60 min	2	psig psig
Tubing pressure:	50	psig
Result:	Pass	Fail

Signature of Witness:	
Signature of Person Condu	Icting Test: 47 A

Legend P23447 Absolute Pressure	10:26:40 AM 11/10/2014 -07:00
	10:20:00 AM 10:20:00 AM 11/10/2014 -07:00
	10:13:20 AM 10:13:20 AM 11/10/2014 -07:00
	10:06:40 AM 11/10/2014 -07:00
	10:00:00 AM 10:00:00 AM 11/10/2014 -07:00
(izq) ətulozdA IZ9 ³ ¹	0014

NEWFIELD Schematic VII. Well Name: Federal 2-17-9-16 Field Name Surface Legal Location API/UWI State/Province Vell RC .ease ounly 17-9S-16E 43013330290000 500155818 Utah GMBU CTB3 DUCHESNE PBTD (All) (ftKB) Total Depth All (TVD) (ftKB) Spud Date Rig Release Date On Production Date Original KB Elevation (ft) Ground Elevation (ft) Original Hole - 6,041.8 5,886 8/29/2006 9/21/2006 10/10/2006 5,898 Most Recent Job Job Start Date Job End Date Job Category Secondary Job Type Primary Job Type OAP 10/31/2014 11/10/2014 Production / Workover Conversion TD: 6,063.2 Vertical - Original Hole, 11/11/2014 8:29:35 AM TVD MD (ftKB) (ftKB) Incl (°) DLS Vertical schematic (actual) DLS (°... 12.1 140.1 322.2 1; Surface; 8 5/8 in; 8.097 in; 12-323 ftKB; 311.15 ft 323.2 3-2; Tubing; 2 7/8; 2.441; 12-4,154; 4,141.97 4,154.2 -3-3; Pump Seating Nipple; 2 7/8; 2.250; 4,154-4,155; 1.10 4,155.2 3-4; On-Off Tool; 4.52; 2.441; 4,155-4,157; 1.94 4,157.2 3-5; Packer; 4 5/8; 2.441; 4,157-4,164; 7.03 4,164.4 -3-6; Cross Over; 3.64; 1.991; 4,164-4,165; 0.55 4,164.7 -3-7; Tubing Pup Joint; 2 3/8; 1.991; 4,165-4,169; 4.15 4,169.0 -3-8; Profile Nipple; 2 3/8; 1.875; 4,169-4,170; 1.10 4,169.9 3-9; Wireline Guide; 3 1/8; 1.991; 4,170-4,171; 0.42 4,170.6 4,202.1 Perforated; 4,202-4,209; 10/4/2006 4,209.0 4,431.1 Perforated; 4,431-4,443; 10/4/2006 4,442.9 4,727.0 Perforated; 4,727-4,741; 10/4/2006 4,741.1 4,840.9 Perforated; 4,841-4,847; 11/3/2014 4,847.1 4,940.0 Perforated; 4,940-4,954; 10/4/2006 4,954.1 5,044,0 Perforated; 5,044-5,052; 10/3/2006 5,051.8 5,171.9 Perforated; 5,172-5,182; 10/3/2006 5,182,1 5,262.1 Perforated; 5,262-5,273; 10/3/2006 5,273.0 5,590.9 Perforated; 5,591-5,604; 10/3/2006 5,604.0 5,735.9 Perforated; 5,736-5,750; 9/29/2006 5,750.0 6,041.7 6,042.3 6,062.7 2; Production; 5 1/2 in; 4.950 in; 12-6,063 ftKB; 6,051.17 ft 6,063.3

www.newfield.com

Report Printed: 11/11/2014

NEWFIELD

Newfield Wellbore Diagram Data Federal 2-17-9-16

Surface Legal L ^{ocation} 17-9S-16E					API/UWI 43013330290000		Lease		
County		State/Province			Basin		Field Name GMBU CTB3		
		Utah Spud Date			Final Rig Release Date		On Production Date		
8/29/200			8/29/2		9/21/		10/10	/2006	
Priginal KB Ele√ ^{ation} (ft) Gro 5,898	und Elevation (ft) 5,886	Total Depth (ft)	KB)	6,063.2	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,041	1.8	
asing Strings		-							
Csg Des		Run D	ate	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)	
Surface		8/29/2006		8 5/8	8.097			32	
roduction		9/20/2006		5 1/2	4.950	15.50	J-55	6,06	
ement									
tring: Surface, 323ft	KB 8/31/2006					P10			
ementing Company J Services Company					Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 323.2	Full Return?	Vol Cement Ret (bbl)	
luid Description					Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)	
Cement w/ 160 sks. Cla 5.8 ppg & 1.17 cf/sk y	eild. Returned 3	bbls cemer		ke. Mixed @	Lead	160	6	12	
String: Production, 6,	063ftKB 9/21/20	06			Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)	
ementing Company 3J Services Company					140.0			Ci Comant (Col)	
luid Description Premlite II w/ 10% gel + Cello Flake mixed @ 1			# sk/kolsea	al + 1/2#'s/sk	Fluid Type Lead	Amount (sacks) 325	Class Premlite II	Estimated Top (ftKB) 14	
N/ 2% Gel + 3% KCL,	110		. 3% SM		Fluid Type Tail	Amount (sacks) 450	Class 50/50 Poz	Estimated Top (ftKB) 3,00	
Fubing Strings			_		Run Date		Set Depth (ftKB)		
ubing Description						/2014	Set Deptil (IIKB)	4,170	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Stretch Correction	1	2 7/8	0.444		J-55	0.25	12.0 12.2	12	
ubing	131	2 7/8	2.441	6.50	J-55 N-80	4,141.97	4,154.2	4,154	
Pump Seating Nipple	1	2 7/8	2.250		19-00	1.10		4,15	
Dn-Off Tool Packer	1	4.515 4 5/8	2.441			7.03		4,164	
Cross Over	1	3.635	1.991			0.55			
Fubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.15		4,169	
Profile Nipple	1	2 3/8	1.875	1.10	N-80	1.10		4,170	
Vireline Guide	1	3 1/8	1.991			0.42		4,170	
Rod Strings	1	1i							
Rod Description					Run Dale		Set Depth (ftKB)		
Item Des	Jts	OD	(in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Perforation Intervals Stage#	Zone	Top (f		Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date	
9 GB6 sds, Or		iop (i	4,202	4,209				10/4/2006	
8 PB10, Origin			4,431	4,443		90	0.430	10/4/2006	
7 D2 sds, Orig			4,727	4,741	4	90	0.430	10/4/2006	
10 C sds, Origin			4,841	4,847	3	120	0.340	11/3/2014	
6 B2 sds, Original Hole			4,940	4,954	4	90		10/4/2006	
5 A1 sds, Original Hole			5,044	5,052	4	90		10/3/2006	
4 A3 sds, Original Hole			5,172	5,182		90		10/3/2006	
3 LODC, Original Hole			5,262	5,273		90		10/3/2006	
2 CP1 sds, Original Hole			5,591	5,604		. 90		10/3/2006	
1 CP3, Origina			5,736	5,750	4	120	0.460	9/29/2006	
Stimulations & Treat	ISIP (psi)	Frac Gradi	ient (nei/#)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)	
Stage#	2,000		0.78	25.1					
110	2,050		0.8	24.9					
2			0.95	25.2					
	2,700								
3	2,700		0.84	25.0	2,391				
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							5 318		



Newfield Wellbore Diagram Data Federal 2-17-9-16

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
7	2,050	0.87	25.3	2,090			
8	2,650	1.03	25.2	2,676			
Ð	2,200	0.96	25.3	2,330			
10	0	0.0	20.0	6,763	225		
Proppant							
Stage#	Total Prop Vol Pumped (lb)			Total Add	Amount		
1		Proppant White Sand	29681 lb				
2		Proppant White Sand	34101 lb				
3		Proppant White Sand	49346 lb				
4		Proppant White Sand	29420 lb				
5		Proppant White Sand	34720 lb				
6		Proppant White Sand	1 59969 lb				
7		Proppant White Sand	I 34580 Ib				
8		Proppant White Sand	50316 lb				
9		Proppant White Sand	31683 lb				
10							

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Job Detail Summary Report

Well Name:	Federal 2-17-9-16				
Jobs					_
Primary Job Type Conversion				Job Start Date 10/31/2014 10/31/2014 11/10/2014	_
					-, ,
Daily Operations					
Report Start Date 10/31/2014	Report End Date 24hr Activity 11/1/2014 MIRUSU	y Summary 1. LD rods. Tag fill. 1	24hr Activity Summary MIRUSU , LD rods, Tag fill, RU BOP'S. Test BOP's. TOOH w/ tl	TOOH w/ tbg breaking & doping.	-
Start Time	00:00	End Time	00:20	Comment Well was shut in for night.	
Start Time	07:00	End Time	00:60	Comment Held safety meeting & discussed JSA's & location hazards. Unit was shut down last night. MIRUSU, Pump 60 bbls hot water down casing.	
Start Time	00:60	End Time	12:00	Comment Unseat pump. Flush rods w/ 40 bbls water. Soft seat pump. Test tbg to 3000 psi w/ 10 bbls fluid. TOOH w/ rods laying down on trailer, 1-1/2" x 26' polish rod, 2', 2', 4', 6', 8' x 3/4 ponies, 99- 3/4" guided, 85- 3/4" slick, 39- 3/4" guided, 6- 1-1/2" K-Bars. 2-1/2"x1-1/4"x18'RHAC pump. Flush w/ 20 bbls half way out. Pumped 200 bbls & well not circulating.	
Start Time	12:00	End Time	14:30	Comment Release TA. RIH w/ WCS "H" valve & set @ 15'. RU FMC frac valve, WCS double pipe rams w/ double 2-1/16" side valves, Washington head.	
Start Time	14:30	End Time	16:30	Comment RU B&C Quick test. Dead head test unit & test to 5000 psi for 5 min. Test BOP's hydraulic voids to 3000 psi. Test BOP's pipe rams to 3000 high for 10 min, 250 low for 5 min. Test 2-1/16" side valves.	
Start Time	16:30	End Time	18:00	Comment Retrieve "H" valve. TOOH w/ tbg breaking & doping every pine. 80 jts out EOT 3276'.	-
Start Time	18:00	End Time	00:00	Comment Shut well in for night.	
Report Start Date 1 11/3/2014	late 014	y Summary reaking & doping. F	24hr Activity Summary TOOH breaking & doping, Perforate. TIH w/ tools. Break down zone.	zone.	-
Start Time	00:00	End Time	07:00	Comment Well was shut in for weekend.	-
Start Time	07:00	End Time	08:30	Comment Held safety meeting. Open well w/ 0 psi on casing. Pump 125 bbls hot down tbg. Circulated 60 bbls down tbg w/ 5 bpm and 3.5 bbls returning.	
Start Time	08:30	End Time	11:00	Comment Contin ue TOOH w/ tbg braking, inspecting and doping every pin. Lay down 53 jts extra.	
Start Time	11:00	End Time	12:30	Comment RU Extreme WLT. Test lubricator to 1000 psi. RIH w/ gauge ring to 4900'. RIH & perforate C sds w/ 18 shots. RD WLT.	
Start Time	12:30	End Time	15:30	Comment Spot pipe racks. Unload L-80 tbg. RU WCS "TS" RBP, On/Off tool, 4' x 2-3/8" pup jt, "HD" pkr, 1 jt L-80 tbg, SN, 130 jts L-80 frac string. Set RBP & test casing to 1500 psi for 7min w/ 45 bbls wtr. Releasee RBP & TIH w/ tbg to 4889' (153 jts) Set RBP. TOOH w/ tbg to set pkr @ 4868' (152 jts). Test tbg to 3300 psi w/ 10 bbls. Release pkr & TOOH w/ tbg to set pkr @ 4811' w/ frac valve on tbg.	
Start Time	15:30	End Time	17:00	Comment RU Hot oiler & break zone down @ 3100 psi. Broke back to 1700 psi @ 1/4 bpm w/ 5 bbls. ISIP was 1500. SIFN.	
	17:00	End Time	00:00	Comment Shut in for night.	
irt Date //2014	ate 014	y Summary well. Flow well bach	24hr Activity Summary RU frac well. Flow well back. LD work string. TIH w/ injection string. Test tbg.	ring. Test tbg.	
Start Time	00:00	End Time	07:00	Comment Well was shut in for night.	,
Start Time	02:00	End Time	09:30	Comment Held safety meeting. RU Nabors frac crew.	
www.newfield.com	E			Page 1/2 Report Printed: 11/11/2014	7 -

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/FIE	Jule
NEW	-111)

Job Detail Summary Report	Comment Comment Comment Comment	Comment Comment RD Nabors. Open equalizer & released pkr. Took 700 psi to circulate tbg clean, TIH Polosce DRD @ 4880
	End Time 10	End Time 12
Well Name: Federal 2-17-9-16	Start Time 09:30	Start Time 10:00

	10:00 Commen	
10:00 12:30 12:30 16:00 16:00 17:00 17:00 00:00 07:00 12	142 perfi bbis 5 pp	C sds. Test lines to 7000 psi. Fill casing w/ 30 bbls. Held pressure on casing w/ 5 bbls during frac. Upen well w/ 142 psi on tbg. Broke @ 3883 psi back to 2061 psi. Spear head 12 bbls of 15% HCL (rec/d 900 psi drop when hit perfs). Treated @ ave pressure of 4433 @ ave rate of 15 bpm, max psi was 6763 w/ max rate of 20 bpm w/ 225 bbls of 17# Borate Xlink frac fluid in fresh wtr w/delayed crosslinker. Treated w/ 20,725#'s of 20/40 white sand @ 5 ppa. Screened out frac w/ 13,725# in perfs, 5670#'s in tbg.
12:30 16:00 16:00 17:00 17:00 00:00 07:00 11/6/2014 11/6/2014 12:00 12:00 12:00 12:00 17:00 12:00 17:00 00:01 00:01 17:00 00:01 00:00 00	12:30 Comment RD Nat Releas	Comment RD Nabors. Open equalizer & released pkr. Took 700 psi to circulate tbg clean, TIH w/ tbg to C/O 78' of sand. Release RBP @ 4889'.
16:00 17:00 17:00 17:00 00:00 00:00 00:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 10:00 00:014 11/10/2014 00:55 00:55	16:00 RU Nat	Comment RU Nabors catwalk & pipe racks. TOOH w/ L-80 laying down on racks. LD pkr & RBP.
17:00 Ir Date Report End Date 00:00 00:00 07:00 11/6/2014 10:00 12:00 110:00 17:00 117:00 17:00 117:00 17:00 117:00 17:00 117:00 17:00 117:00 11/10/2014	Comment RU 2-3 1.87" IE to 3000	Comment RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple 1.87" ID, On/Off tool, 2-7/8" SN. TIH w/ 131 jts of used 2-7/8" J-55 tbg. Pump 10 bbls. drop std vlv. Pressure tbg to 3000 psi & leave overnight.
In Date Report End Date 11/6/2014 00:00 07:00 10:00 10:00 12:00 17:00 17:00 17:00 17:00 17:00 17:00 11/10/2014 09:55	00:00 Shut in	Comment Shut in well for night.
00:00 07:00 10:00 12:00 16:00 16:00 17:00 17:00 11/10/2014 0/2014 09:55	IT casing. RDMOSU.	
07:00 End Time 10:00 End Time 10:00 End Time 12:00 End Time 00:014 I1/10/2014 00:55 Conduct MIT 00:55 End Time		Comment Well was shut in for night.
10:00 End Time 12:00 End Time 12:00 End Time 12:00 End Time 10:00 End Time 17:00 End Time 17:00 End Time 00:2014 24hr Activity Summary 00:2015 Conduct MIT 00:55 End Time	10:00 Comment Set VIV.	Comment Held safety meeting. Tbg lost 2800 psi overnight. Pressure to 3000 psi. Tested 30 min (good). RU sand line & fish std vIv. RD BOP's. Pump 65 bbls packer fluid.
12:00 End Time 16:00 End Time 16:00 End Time 17:00 End Time 17:00 International and time 17:00 24hr Activity Summary 0/2014 Report End Date 09:55 09:55	12:00 Set pkr	_{Comment} Set pkr @ 4141'. Pressure casing to 1500 psi.
16:00 End Time 16:00 End Time 17:00 24hr Activity Summary 0/2014 11/10/2014 Conduct MIT 09:55 09:55	16:00 Commen Ran 5 i climbin	comment Ran 5 testes. Well was gaining 10 psi on 30 min tests. RU Newfield Water Services & well failing to test by climbing 8 psi in 30 min tests. Got good test.
IT Date 17:00 End Time 17:00 24th Activity Summary 0/2014 11/10/2014 Conduct MIT 09:55 Bed Time	17:00 RDMO	Comment RDMOSU.
0/2014 Report End Date 24hr Activity Summary 0/2014 11/10/2014 Conduct MIT 09:55 Bend Time	00:00 Shut in	Comment Shut in well. Wait on permission to inject.
09:55		
	10:25 Comment On 11/ above I pressur was no	Comment On 11/07/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/10/2014 the casing was pressured up to 1522 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an State representative available to witness the test.

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	STATE OF UTAH			FORM 9
	DEPARTMENT OF NATURAL RESOUND IVISION OF OIL, GAS, AND M		3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
SUNDF	RY NOTICES AND REPORTS	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL forr	oposals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.	ly deep zontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well				8. WELL NAME and NUMBER: FEDERAL 2-17-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY			9. API NUMBER: 43013330290000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-48		NE NUMBER: t	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE:				COUNTY: DUCHESNE
0669 FNL 1785 FEL QTR/QTR, SECTION, TOWNSI Qtr/Qtr: NWNE Section:	HIP, RANGE, MERIDIAN: 17 Township: 09.0S Range: 16.0E Me	eridian:	S	STATE: UTAH
^{11.} CHEC	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
			ALTER CASING	
Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:		E F	RACTURE TREAT	
12/19/2014	OPERATOR CHANGE	E F	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	F	RECLAMATION OF WELL SITE	
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
			/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	
	WILDCAT WELL DETERMINATION		DTHER	OTHER:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	w all pe	rtinent details including dates, d	depths, volumes, etc.
	erence well was put on inje			Accepted by the
	12/19/2014.			Utah Division of Oil, Gas and Mining
				Date: January 05, 2015
				By: Dallyfull
				2.2
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUN 435 646-4874		TITLE Water Services Technician	
SIGNATURE N/A			DATE 12/23/2014	



GARY R. HERBERT Governor

SPENCER J. COX Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining JOHN R. BAZA Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-424

- **Operator:** Newfield Production Company
- **Well:** Federal 2-17-9-16
- Location: Section 17, Township 9 South, Range 16 East
- County: Duchesne
- **API No.:** 43-013-33029
- Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on July 31, 2014.
- 2. Maximum Allowable Injection Pressure: 1,868 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (3,977' 6,042')
- 5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal SITLA Jill Loyle, Newfield Production Company, Denver Newfield Production Company, Myton Duchesne County Well File N:\O&G Reviewed Docs\ChronFile\UIC\Newfield <u>12 - 17 - 2014</u> Date





State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Lieutenant Governor

Division of Oil, Gas and Mining JOHN R. BAZA

Division Director

July 31, 2014

Newfield Production Company 1001 Seventeenth Street. Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 2-17-9-16, Section 17, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33029

Newfield Production Company

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing\tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 3,977 feet in the Federal 2-17-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely. John Rogers Associate Director

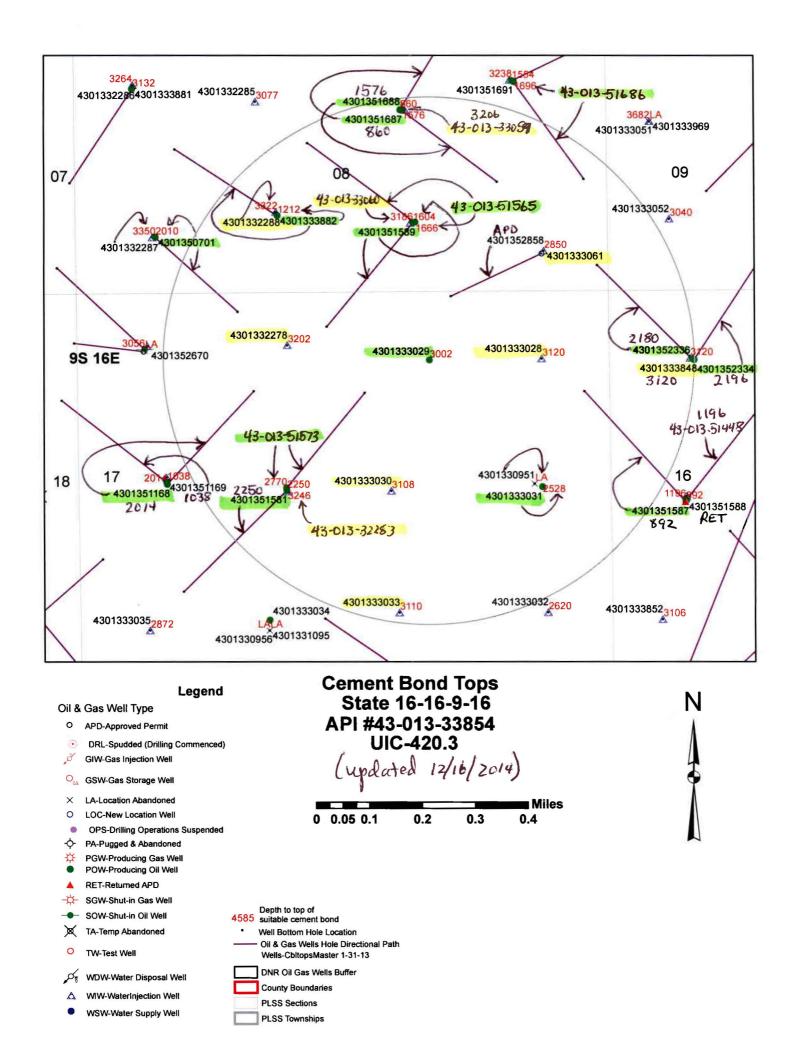
JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal SITLA Duchesne County Newfield Production Company, Myton Well File

N:\O&G Reviewed Docs\ChronFile\UIC

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116 PO Box 145801, Salt Lake City, UT 84114-5801 telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov





DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

 Applicant: Newfield Production Company
 Well: Federal 2-17-9-16

Location: <u>17/9S/16E</u> API: <u>43-013-33029</u>

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 323 feet and has a cement top at the surface. A $5\frac{1}{2}$ inch production casing is set at 6,063 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,002 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,152 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (12/16/2014), based on surface locations, there are 10 producing wells and 10 injection wells in the AOR. Four of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are 4 directional producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2300 feet. Injection shall be limited to the interval between 3,977 feet and 6,042 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 2-17-9-16 well is 0.82 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,868 psig. The requested maximum pressure is 1,868 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected. Federal 2-17-9-16 page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the

Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 7/25/2014 (revised 12/16/2014)



	PROOF OF PUBL	ICATION		CUSTO	MER'S COPY
-	CUSTOMER NAME AND ADDR	ESS	ACCO	UNT NUMBER	DATE
	DIV OF OIL-GAS & MINING. Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY. UT 84114		90	001402352	6/25/2014
1_	S. LET LETTER AT OTHER			BEFORE THE DIVISION C	F OIL GAS AND MINING
	ACCOUN	TNAME		NOTICE OF AC	SENCY ACTION
	DIV OF OIL-GA	AS & MINING.		IN THE MATTER OF THE APPLIC TION COMPANY FOR ADMINIST WELLS LOCATED IN SECTION 2. 16 EAST, SECTION 5.7 OWNES, AND SECTIONS 17 AND 21, TC EAST, OLCHESNE COUNTY, UT WELLS.	ATION OF NEWFIELD PRODUC RATIVE APPROVAL OF CERTAIN 4, TOWNSHIP 8 SOUTH, RANGI
	TELEPHONE	ADORDER#	/ INVOICE	AND SECTIONS 17 AND 21, TO EAST, DUCHESNE COUNTY, UT WELLS.	WINSHIP 9 SOUTH, RANGE 15 EAST DWINSHIP 9 SOUTH, RANGE 10 IAH, AS CLASS II INJECTION
	8015385340	0000966816	Ì	THE STATE OF UTAH TO ALL ABOVE ENTITLED MATTER.	PERSONS INTERESTED IN THE
	SCHEI	DULE		Notice is hereby given that the ing (the "Division") is common proceeding to consider the api tion Company, 1001 17th Stra	Division of Oil, Gas and Min- cing an informal adjudicative plication of Newfield Produc-
	Start 06/25/2014	End 06/25/2	014	tion Company, 1001 17th Stra tion Company, 1001 17th Stra approval of the following well Urbh, for conversion to Class II in Greater Monument State II	histion wells.
	CUST, R	EF. NO.	S. Dec.	Fencetime Federal 2-24-8-16 Section 24, Township B South, Re API 43-013-32364	reil located in NW/4 NE/4, inge Fó Bait
	CAUSE NO. UIC-	424		Greater Manument Batte Unit Fenceline: Federal 2-24-8-16 Section 24, Forwards B South, Ro API 43-013-23264 Fenceline: Federal 3-24-8-16 with Itim 24, Township 8 South, Rolige API 43-013-23260 Abley: Federal 6-25-9-13 with Itim 25 Township 8 South, Rolige	til located in SE/4 NE/4, Sec- 16 East located in SE/4NW/4, Sec-
	CAPI	TION	he was starting	Abhay Federal 5-25-9-13 well Hon 25, Township 9 South, Range API 43-013-32946 Ashley Federal 10-25-9-15 well fron 25, Township 9 South Broom	15 East located in NW/4 SE/4, Sec-
BEF	ORE THE DIVISION OF OIL, GAS AND MI	NING DEPARTME	NT OF NAT	API 43-013-32946 Abiley Finderol 10.25-9-15 well from 25. Township 9. South, itenge API 43-013-329240 Peterol 2-17-9-16 well located Township 9. South, itenue 16 East API 43-013-33020 Federol 8-17-9-16 well located Township 9. South, itenge 16 East API 43-013-33021	In NW/4 NE/4, Section 17,
Sec. 1	Sta	ZE	a series d	Township 9 South, Ronge 16 East API 43-013-33031 Federal 41-217 and bombed	I in SE/4 NE/4, Section 17,
	76 Lines	2.00	COLUMN	Federal 41-21Y well located I Township 9 South, Ronge 16 East API 43-013-31392	 mc/4 mc/4, Section 21,
333	TIMES		and the second se	The proceeding will be conducte Admin. 8649-10, Administrative Pi Selected zones in the Green River water injection. The maximum	
	3			and rates will be determined bas formation submitted by NewBeld F	ed on frocture grodient in-
	MISC. CHARGES		AD CHARGE	May person desiring to object to the intervence in the proceeding, must find the proceeding, must los of intervention work the Division ming publication of mis notice. The error the proceeding is find the LO. Box 145901, Solid Lies City umber (201) 338-5140. If such co- umber (201) 338-5140, if such co- ention is received, and comparing will less. Protestant and/or interven- tions with methods interven-	he application or otherwise lie a written protest or no- an within fifteen days fol-
			19	er for the proceeding is Brod H U.C. Box 145801, Solf Loke City, umber (801) 538-5340, H auto o	III, Permitting Manager, at UT 84114-5801, phone
			TOTAL COS	ince with the arcrementioned lies. Protestants and/or intervent emanstrate at the hearing how in prests.	I be scheduled in accord- administrative procedural ers should be prepared to his matter affects their in-
				ofed this 23rd day of June, 2014. STATE OF UTAH DIVISION OF OIL, GA	
	AFFID	AVIT OF PUBLICATION		/3/ Brad Hill Permitting Manager	a mininys
RETHEI E NO. UIO PANY, LLO	R AGENCY COMPANY, ITC dba MEDIAONE OF UTA DIVISION OF OIL, GAS AND MINING DEPARTME ? C-424 IN THE MATTER OF THE APPLICA FOR DI C dba MEDIAONE OF UTAH, AGENT FOR THE SALT I	NT OF NATURAL RES IV OF OIL-GAS & MIN LAKE TRIBUNE AND D	ERTIFY THA OURCES ST. ING. WAS PI ESERET NEWS	F.	UPAXLP
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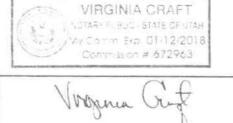
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SIGNATURE.

DATE

6/25/2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION" PLEASE PAY FROM BILLING STATEMENT



NOTARY SIGNATURE

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AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

Publisher

Subscribed and sworn to before me on this

__day of 20by Kevin Ashby.

Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-424

BEFORE THE DIVISION OF OIL, GAS AND MINING. DEPARTMENT OF NATURAL RE-SOURCES, STATE OF UTAH. IN THE MATTER OF THE APPLICA-TION OF NEW-FIFI D PRODUC-TION COMPANY FOR ADMINISTRA-TIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24. **TOWNSHIP 8** SOUTH, RANGE 16 EAST, SECTION 25. TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21. TOWNSHIP 9 SOUTH, RANGE 16 EAST. DUCHESNE COUNTY, UTAH, AS CLASS II INJEC-TION WELLS. THE STAFE OF UTAH TO ALL PER-SONS INTERESTED IN THE ABOVE ENTITLED MAT-TER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company. 1001 17th Street. Suite 2000, Denver, Colorado 80202, telephone 303-893-0102. for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells: Greater Monument Butte Unit: Fenceline Federal 2-24-8-16 well located in NW/4 NE/4. Section 24, Township 8 South, Range 16 East API 43-013-32364 Fenceline Federal 8-24-8-16 well lo-

cated in SE/4 NE/4, Section 24, Township

538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests. Dated this 23rd day of June, 2014. STATE OF UTAH DIVISION OF OIL, GAS & MIN-ING Brad Hill Permitting Manager Published in the Uintah Basin Standard July 1, 2014,

8 South, Range In East API 43-013-32360 Ashley Federal 6-25-9-15 well located in SE4NW 4. Section 25, Township 9 South, Range 15 East API 43-013-32946 Ashley Federal 10-25-9-15 well located in NW 4 SE 4. Section 25. Township 9 South, Range 15 East API 43-0: 3-32949 Federal 2-17-9-16 well located in NW/4 NE 4, Section 17 Township 9 South, Range 16 East API 43-013-33029 Federal 8-17-9-16 well located in SE-4 NE-4. Section 17, Township 9 South. Range 16 East API 43-013-33031 Federal 41-21Y well located in NE/4 NE/4, Section 21, Township 9 South. Range 16 East API 43-013-31392 The proceeding will be conducted in accordance with Utah Admin. R649-10. Administrative Procedures. Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company Any person desiring to object to the application or otherwise intervene in the proceeding. must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill. Permitting Manager, at P.O. Box 145801. Sah Lake City, UT 84114-5801, phone number (301)

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-424

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 25, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Fenceline Federal 2-24-8-16 well located in NW/4 NE/4, Section 24, Township 8 South, Range 16 East API 43-013-32364

Fenceline Federal 8-24-8-16 well located in SE/4 NE/4, Section 24, Township 8 South, Range 16 East API 43-013-32360

Ashley Federal 6-25-9-15 well located in SE/4NW/4, Section 25, Township 9 South, Range 15 East API 43-013-32946

Ashley Federal 10-25-9-15 well located in NW/4 SE/4, Section 25, Township 9 South, Range 15 East API 43-013-32949

Federal 2-17-9-16 well located in NW/4 NE/4, Section 17, Township 9 South, Range 16 East API 43-013-33029

Federal 8-17-9-16 well located in SE/4 NE/4, Section 17, Township 9 South, Range 16 East API 43-013-33031

Federal 41-21Y well located in NE/4 NE/4, Section 21, Township 9 South, Range 16 East API 43-013-31392

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of June, 2014.

STATE OF UTAH DIVISION OR OF **ÀAS & MINING** Brad Hill Permitting Manager

Newfield Production Company

FENCELINE FEDERAL 2-24-8-16, FENCELINE FEDERAL 8-24-8-16, ASHLEY FEDERAL 6-25-9-15, ASHLEY FEDERAL 10-25-9-15, FEDERAL 2-17-9-16, FEDERAL 8-17-9-16, FEDERAL 41-21Y

Cause No. UIC-424

Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail ubslegals@ubmedia.biz

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 SITLA 675 E 500 S Ste 500 Salt Lake City, UT 84102-2818

Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jan Sweit



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

GARY R. HERBERT Governor SPENCER J. COX Lieutenant Governor

Division of Oil, Gas and Mining JOHN R. BAZA Division Director

June 24, 2014

Via e-mail: <u>ubslegals@ubmedia.biz</u>

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-424

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be</u> <u>published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jan Sweet

Jean Sweet Executive Secretary

Enclosure





Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-424

1 message

Cindy Kielnfelter <ckleinfelter@ubmedia.biz> To: Jean Sweet <jsweet@utah.gov> Thu, Jun 26, 2014 at 2:54 PM

On 6/24/2014 9:37 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet Executive Secretary Utah Division of Oil, Gas and Mining 801-538-5329

Received. Thank you. It will publish July 1, 2014. Cindy



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

GARY R. HERBERT Governor SPENCER J. COX Lieutenant Governor

Division of Oil, Gas and Mining JOHN R. BAZA Division Director

June 24, 2014

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-424

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be</u> <u>published</u>. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

for Sweet

Jean Sweet Executive Secretary

Enclosure



The Salt Lake Tribune



Deservet News

Order Confirmation for Ad #0000966816-01

Client Client Phone Account# Address	801-538-534 9001402352 1594 W NO		F F), F	Payor Customer Payor Phone Payor Account Payor Address	DIV OF OIL-GAS & MINING 801-538-5340 9001402352 1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154	Ad Content Proof Actual Size BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF INITIAL RESOURCES STATE OF UTAH NOTICE OF ACENEY ACTION CLUSE NO. UKC-424 IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUC- TION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 8 SOUTH, RANCE 16 EAST, DUMESINE COUNTY, UTAH, AS CLASS IT INJECTION WELLS.
Fax	801-359-39	40	c	Ordered By	Acct. Exec	THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.
EMail	juliecarter@		J	lean	kstowe	Notice is hereby given that the Division of Oil, Gas and Min- ing (the "Division") is commercing an informal adjudicative praceeding to consider the application of NewYield Produc- tion Company, 1001 17th Street, Suite 2000, Derver, Colo- rado 80202, releptone 303-973-0102, Act additionative
Total Amo	unt	\$260.36				rade 80202, teleptone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:
Payment A		\$0.00 \$260.36	<u>Tear Sheet</u> 0	is <u>Proofs</u> 0	<u>Affidavits</u> 1	Greater Manument Butte Unit: Ferceire Federal 2-24-8-16 well located in NW/4 №/4, Sector 24, Township 8 South, Range 16 East API 43-013-32364
Payment Met Confirmation Text:				<u>PO Number</u>	CAUSE NO. UIC-424	Ferceline Federal 9-24-9-16 well locared in SE/4 NE/4, Sec- tion 24, Township 8 South, Range 16 East API 43-013-32340 Ashley Federal 6-25-9-15 well locared in SE/4NW/4, Sec- tion 25, Township 9 South, Range 15 East API 43-013-32940 Federal 10-25-9-15 well locared in NW/4 SE/4, Sec- tion 25, Township 9 South, Range 15 East API 43-013-32949 Federal 2-17-9-16 well locared in NW/4 NE/4, Section 17,
Ad Type		Ad Size		Color		Township 9 South, Range 1 & East
Legal Liner	r	2.0 X 76 Li		<none></none>		Federal 8-17-9-16 well located in SE/4 NE/4, Section 17, Township 9 South Range 16 East API 43-013-33031
<u>Product</u> Salt Lake T Scheduled		Placement Legal Liner Noti 6/25/2014	ce - 0998	<u>Positi</u> 998-C	ion Other Legal Notices	The proceeding will be conducted in NE/4 NE/4, Section 21, Township 9 South, Range 16 East API 43-013-31392 The proceeding will be conducted in accordance with Utat Admin. R649-10, Administrative Procedures. Selected zones in the Green River Formation will be used for
Product Deseret Ne Scheduled		Placement Legal Liner Noti 6/25/2014	ce - 0998	<u>Posit</u> 998-C	i <mark>on</mark> Dther Legal Notices	water injection. The maximum requested injection pressures and rates will be determined based on fractione gradiert in- formation submitted by Newfield Production Company. Any person desiring to object to the application or otherwise intervene in the proceeding, must file a writter protest or no- tice of intervention with the Duvison within infriend days [o]-
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1

Dared this 23rd day of June, 2014. STATE OF UTAH DIVISION OF OIL, GAS & MINING /5/ Brad Hill Permitting Manager 966816 UPAXLP



Newfield Exploration Company 1001 17th Street | Suite 2000

Denver, Colorado 80202 PH 303-893-0102 | FAX 303-893-0103

RECEIVED

JUN 06 2014

DIV. OF OIL, GAS & MINING

June 4, 2014

Mr. Mark Reinbold

State of Utah

Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801 RE: Permit Application for Water Injection Well Federal #2-17-9-16

Monument Butte Field, Lease #UTU-64379 Section 17-Township 9S-Range 16E Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #2-17-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

fill L Loyle

Regulatory Associate

NEWFIELD PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

FEDERAL #2-17-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #UTU-64379

JUNE 4, 2014

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Federal #2-17-9-16

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR	Newfield Production Company
ADDRESS	1001 17th Street, Suite 2000
	Denver, Colorado 80202

Well Name ar	d number:		Federal #2	2-17-9-16						
Field or Unit n	ame: Mor	nument B	utte (Green	River)				Lease No.	UTU-6437	' 9
Well Location	QQ 1	NWNE	section	17	_ township	98	range	16E	_ county	Duchesne
Is this applica	tion for exp	ansion o	f an existing	g project?.			Yes [X]] No []		
Will the propo	sed well be	e used for	:	Disposal?	Recovery?		Yes []	No [X]		
Is this applica If this applicat has a casing Date of test API number	ion is for a g test been	n existing performe	well,	•						
Proposed inje Proposed ma: Proposed inje mile of the we	kimum inje ction zone	ction:	[x] oil, [](gas, and/or Additional	information	as require		5-5-2 should]	
List of Attachr	ments:	<u>.</u> .	Attachme	accompar	ny this form. ugh "H-1"		· · · · · · · · · · · · · · · · · · ·			
l certify that th	nis report is	s true and	complete t	o the best o	of my knowle	edae.				
Name: Title Phone No.	Jill L Loy	le bry Assoc	•		_Signature _Date _	- Jia 16/	4/201	je s		-
(State use on Application ap Approval Date	proved by						_Title			

Comments:

Federal 2-17-9-16

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CSG 6372: 54-02" divergence of 240 High 54 High 25 (0) 240 High 25 High 25 (0) 440 High 25 High	PRODUCTION CASING						10,05,00	51/2-5162	29420# 20/40 sand in 358 bbls Lightning
DBADE: 1-53 100405 \$5044-502* Tree A1 and a for a genes a C105* MEIGHT: 153 100405 \$5044-502* Tree A1 and a for a genes a C105* DEPTH LANDED: 0663.17* KB 100405 \$5044-502* Tree A1 and a for a genes a C105* DEPTH LANDED: 0663.17* KB 100405 \$404-035* Tree B1 and A5* State follow: DEPTH LANDED: 0663.17* KB 100405 \$404-035* Tree B2 and a follow: \$9999 2009 and in 975 bible Lighting for full in fail. Tree tool in 975 bible Lighting for full in genes a C10* DIDING GIGI 3/19/08) State Gibles: 100405 \$404-035* Tree D2 and a follow: \$9999 2009 and in 975 bible Lighting for full in genes a C10* State GIANDE WT: 2.78* (7.55 f 6.5* 0.07 JOINTS: 105 js (592.4) 100405 \$431-443** Tree D2 and a follow: \$3016*2009 and in 976 bible Lighting for full in 97 bible Lighting for full in fail in	CSG SIZE: 5-1/2"								
WEIGHT: 15.5f 347269.2049 and in 386 bits Lighting LEWITH: LADED: 6063 27) Bart Mill Tested (in grap gras of 127 kg) DEPTI LANDED: 6063 17 KB 100406 4940-4954 HOLE SIZE: 7.78" Free Blands as follows: CEMENT DATA: 140° per CBL 93006 Free Blands as follows: TUBING [GI 3/19/08] 1004406 472:47411 SIZE: 07.06 James as follows: UDING [GI 3/19/08] 1004406 431:4437 OP 20075: 2 js (652:0) TUBING js (692:6) TUBING JGI 3/19/08] 1004406 431:4437 OP 20075: 2 js (652:0) TUBING js (692:6) TUBING JGI 3/19/08] 1004406 431:4437 OP 20075: 2 js (632:1) 1004406 431:4437 SIZE: 0 AUCH MI: 2 z (63:2) 1004406 420:4294 SUCIALE: 2-78" (1.67) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.68) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.69) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.68) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.69) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.69) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.69) SIZE: 0 AUCH MI: 2 z (63:2) SUCIALE: 2-78" (1.69) <t< td=""><td>GRADE: J-55</td><td></td><td></td><td></td><td>I</td><td></td><td>10/04/07</td><td>5044 5050</td><td>flush: 5180 gal. Actual flush:4662 gal.</td></t<>	GRADE: J-55				I		10/04/07	5044 5050	flush: 5180 gal. Actual flush:4662 gal.
LENGTH: 183 pb: (663.52') fmc fuld. Treated (is up press of 213 pp: fmc fuld. 175: 200 pb:	WEIGHT: 15.5#				1		10/04/06	5044-5052	34720# 20/40 sand in 386 bbls Lightnin
DEFUIL LADRED: 665.17* KB 0.04.05 599.04.4cm3 thub:4578 gits DEEM LASKE:	LENGTH: 138 jts. (6063.92')								frac fluid. Treated @ avg press of 2198
NULE 222: 4778 59999 2040 and in 475 0bb Lighting SPECIENT TOP AT: 140° per CBL 92006 100406 4727-4741 ILUBING (GI 3/1 9/08) 372E-GRADEWT: 2-78° (1.55 / 6.5 # SIZE-GRADEWT: 2-78° (1.55 / 6.5 # 900 or POINTS: 180 is (6692.2 *) IUDING (GI 3/1 9/08) 551 (6.5 2/) SIZE-GRADEWT: 2-78° (1.00) 770.6 5° X6 NO OF POINTS: 180 is (6692.2 *) 100406 IUDING ACCHOR: 5704.6 * XB 900 and is 60bbres: SIG (1.5 2/) 516 (1.5 2/) IUDING ACCHOR: 5704.6 * XB 900 and is 60bb Lighting SO OF POINTS: 180 is (6592.2 *) 100406 IUDING ACCHOR: 5704.6 * XB 900 and is 60bb Lighting SO OF POINTS: 253 (5.327) 91 (5.87) PER 200 pain STRING NIPPLE: 2-78° (1.10) 100406 NI AANDED AT: 5770.6 * XB 900 and is 60bb Lighting SO OF POINTS: 253 (5.327) 4.587 PER 200 pain SO OF POINTS: 253 (5.327) 4.587 PER 200 pain SO OF ALL 27.78° (1.437) SO OF ALL 900 and is 60b Lighting SO OF POINTS: 253 (5.327) 4.587 PER 200 pain SO OF POINTS: 253 (5.327) 4.587 PER 200 pain SO OF ALL 100306 </td <td>DEPTH LANDED: 6063.17' KB</td> <td></td> <td></td> <td></td> <td>l</td> <td></td> <td></td> <td>10/- ·</td> <td>flush: 5050 gal. Actual flush:4578 gal.</td>	DEPTH LANDED: 6063.17' KB				l			10/- ·	flush: 5050 gal. Actual flush:4578 gal.
EXEMENT TOP AT: 140' per CBL 93006 fmth did 25 say Perm Life II mixed & 450 sas 50:50 POZ IEBMENT TOP AT: 140' per CBL 93006 mbth: 435 gal Actual flath: 435 gal Actual f	HOLE SIZE: 7-7/8"				ł		10/04/06	4940-4954'	
LEMENT 100 FAT: 140 per CB. 950/06 http: 4952 gal. Actual fluid-3458 gal. 1004/06 4727-4741 Free DS ands as follows: 345802 2049 and in 574 bbs: Lighting fm: fm: fh: 1.755 / 6.5 # NO. OF JOINTS: 150 js: (5692.6') 1004/06 4431-4443 Tree DF10 ands as follows: 501161-242 gal. 0.00 OF JOINTS: 150 js: (5692.6') 1004/06 4431-4443 TOURING ANCHOR: 5704.6' KB 00.00 FJOINTS: 25 is: (63.21') 0.00 OF JOINTS: 25 is: (63.21') 1004/06 4202-4209' Yeac CF2 as (63.21') Yeac CF2 as (63.21') 1004/06 1018 (G1.02.1) 1004/06 4202-4209' Yeac CF2 (G1.03.1) 007/11 Yeac CF2 Yeac CF2 (G1.1) Yeac CF2 Yeac CF2 Yeac CF2 Yeac CF2 Yeac CF2	CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ				I				frac fluid. Treated @ avg press of 1792
TUBING (GI 3/19/08) 10/4/06 4727-4741' Free D2 ands as follow: SIZE (GRADEWT: 2-787'/1-557.6.5# 10/4/06 4431-444' Free D2 ands as follow: NO. OF JOINTS: 180 is (592.6) 10/4/06 4431-444' Free D2 ands as follow: UDING ANCION: 570.6 /r KB 30/167/2044 sund and 4/06 blot Lighting 50/167/204 sund and 4/06 blot Lighting SILADED AT: 2-787'' (0.10°) SILADED AT: 2-787'' (0.45') 10/4/06 4202-4209' SILADED AT: 2-787'' (0.45') 50/167/204 sund a. 2/36 SiLaDED AT: 2/37'' (0.45') 10/4/06 4202-4209' SIG 3/2 040 sund a. 2/36 SiLaDED AT: 2/37''' (0.45') 10/4/06 4202-4209' 10/3/36 10/4/06 SIG 1/2 04/06 420-4201' 10/3/36 539''' KB 10/4/06 420-4209' 10/3/36 10/4/36 12/37''' SIG 1/2 04/06 535.39'' KB 10/4/36 4202-4/20'' 10/3/36 59/15/36'' 4/3/2F'' SIG 1/2 04/06 535.5.9'' KB 10/4/36 535/39'' KB 10/4/36 4/3/2F'' 10/4/36 4/3/2F'' 10/4/36 4/3/2F'' 10/4/36 4/3/2F'' 10/4/36 1/3/2F'' 1/3/2F'' 1/3/2F'' 1/3/2F''' 1/3/2F''' 1/3/2F'''	CEMENT TOP AT: 140' per CBL 9/30/06								
TUBING (GI 3/19/08) fnc fluid. Treated (gives press of 187) SIZE/GRADEWT. 2-7/87 (/55/6.5#) 10/04/06 4431.4443 fnc fluid. Treated (gives press of 187) NO. OP JOINTS: 18/0 (652.6) 10/04/06 4431.4443 fnc fluid. Treated (gives press of 187) SO. OP JOINTS: 18/0 (652.6) 50/067.2014 fnc fluid. Treated (gives press of 187) NO. OF JOINTS: 12/0 (652.6) 50/067.2014 fnc fluid. Treated (gives press of 187) SO. OF JOINTS: 12/0 (652.6) 10/04/06 4202-4209 Jnc fluid. Treated (gives press of 187) SN LANDED AT: 5770.63 / KB 10/04/06 4202-4209 Presc Gives such as follows: SO OF JOINTS: 2/0 (652.5) 10/04/06 4202-4209 Presc Gives such as follows: SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (653.5) SO OF JOINTS: 2/0 (657.5) JOFNE INPECTION RECORD 4/07.4/14 JOPO (653.5) SO OF JOINTS: 2/0 (650.4) SO S							10/04/06	4727-4741'	Frac D2 sands as follows:
BIZE-GRADE-WT:: 2-78" / 1-55 / 6.5 # 10 04 06 4431-443* Free PBI 30 and in 360 bbs Lighting face full. There BI 30 and in 360 bbs Lighting face full. There BI 30 and in 330 bbs 100 and in 330 bbs 100 and in 330 bbs 300 and in 330 bbs 100 and in 330 bbs 300 and in 330 bbs 100 and in 330 bbs 300 and in 330 bbs 100 and in 330 bbs 300 and in 330	[UBING (GL 3/19/08)								frac fluid. Treated @ avg press of 1871
Intervention of the second									
TUBING ANCHOR: 5704.6' KB fmc fluid. Treated (@ vp press of 247 PM. K1P 250 pc. SEATING NIPPLE: 2-78" (1.10') illouid/6 4202-4209' Prec Cf6 Sanda as follows: SI0.389 20409 and in 336 bbs Lipbring 1004/06 4202-4209' Prec Cf6 Sanda as follows: SI0.389 20409 and in 336 bbs Lipbring india: 441 gal. Acrual fluid-3948 gal. india: 441 gal. Acrual fluid-3948 gal. NO. OF JOINTS: 2 jis (3.21') v/vg rate of 24 9 PM. KIP 2200 pin. india: 407 gal. india: 407 gal. NOTAL STRING LENGTH: EOT @ 5835.39' KB Packer @ 4152' 420-4209' PERFORATION RECORD 4331-4443' 09/2906 5736-5730' 4 JSPF 45 hb. 1003/06 5591-5604' 4 JSPF 52 hb. 1003/06 5591-5604' 4 JSPF 52 hb. 4304-0454' 1003/06 5591-5604' 1003/06 520-5737' 4 JSPF 40 hb. 1003/06 520-5737' 4 JSPF 45 hb. 5044-5052' 1004/06 4272-471' 1003/06 5304-5624' 4 JSPF 55 hb. 5172-5182' 4 JSPF 55 hb. 5172-5182' 1004/06 4272-471' 4 JSPF 55 hb. 5262-5273' 1004/06 4272-471' 4 JSPF 55 hb. 5291-5604' 5391-5604' 5376-5750' 1094/06 4202-4209' 4 JSPF 28 ho. S591-5604' 5736-5750' 1094/06 4202-4209' 4 JSPF 28 ho. Federal 2-17-9-16 PBID @ 6042'' TD @ 6063''							10/04/06	4431-4443'	Frac PB10 sands as follows:
NO. OF JOINTS: 2 jis (63.23') wavg rate of 24,7 BPM, ISP 2360 psi. JEATING NIPPLE: 2-78° (1.10') The stands as follows: SIN LANDED AT: 5770.65' KB 336 335 2040 sand in 35 0bki Lighting frac fluid. Treated @ wavg press of 2175 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 220 50, 120 wavg rate of 24,9 BPM, ISP 250 psi. ODTCHED COLLAR: 2-78° (0.45') 1003/06 532-5275' 4 JSPF 56 hol YOTAL STRING LENGTH: EOT @ 5835.39' KB Packer @ 4152' Packer @ 4152' 4202-4209' 431-4443' 09/29/06 5736-5750' 4 JSPF 52 hol 1003/06 532-5277' 4 JSPF 40 hol 1003/06 532-5277' 4 JSPF 40 hol 1003/06 532-5277' 4 JSPF 40 hol 5044-502' 1004/06 422-4209' 4 JSPF 55 hol 5172-5182' 1004/06 4231-4432' 4 JSPF 55 hol 5172-5182' 1004/06 422-4209' 4 JSPF 28 hol 5591-5604' 5191-5604' 5736-5750' S191-5604' 5736-5750' PBID @ 6042'' 1004/06 402-429' TD @ 6053'' 1004/06 402-429'									frac fluid. Treated @ avg press of 2487
SEATING NIPPLE: 2-78" (1.10") 100406 4202-4209" 316339 2040 sand in 35 0bit Lighting that full that the standard state of 217 BW 1587 200 sand in 35 0bit Lighting that full that the state of 217 BW 1587 200 sand in 35 0bit Lighting that the state of 217 BW 1587 200 sand in 35 0bit Lighting that the state of 217 BW 1587 200 sand in 35 0bit Lighting that the state of 217 BW 1587 200 sand in 35 0bit Lighting that the state of 217 BW 1587 200 sand in 35 0bit Lighting that the state of 217 BW 1587 200 sand in the state of 217 BW 1587 200 sand in the state of 210 BW 1587 200 sand in the state of 217 BW 1587 200 sand in the state of 217 BW 1587 200 sand in the state of 217 BW 1587 200 sand in the state of 217 BW 1587 200 sand in the state of 217 BW 1587 200 sand in the state of 218 BW 1587 BW									
NI LANDED AT: 5770.63' KB frac fluid. Treated @ wsp press of 2175 SO. OF JOINTS: 2 js (63.21') war rate of 24.94 PPM. ISIP 2200 psi NOTCHED COLLAR: 2-7/8" (0.45') 05'20'11 Packer @ 4152' 92'9'06 4202-4209' PERFORATION RECORD 4202-4209' 4202-4209' 4431-4443' 09'29'06 1003:06 5591-5604' 1003:06 5262-5273' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 427-471' 1004:06 4202-4209' 4202-209' 1004:06 4202-209' 1004:06 4202-209' 1004:06 4203-202' 1004:06 4204-203' 1004:06 4202-209' 1004:06 5202-5273' 1004:06 5202-5273' 1004:06 520	SEATING NIPPLE: 2-7/8" (1.10')						10/04/06	4202-4209'	Frac GB6 sands as follows:
Attribute 4207 gal. Actual flush-4074 gal. Mish: 4207 gal. Actual flush-4074 gal. Packer @ 4152' 4202-4209' PERFORATION RECORD 431-4443' 100306 573-5750' 431-4443' 100306 522-5273' 100406 4727-4741' 100306 522-5273' 100406 492-4209' PERFORATION RECORD 4727-4741' 100306 522-5273' 100406 492-4209' 4152' 400-4954' 100306 522-5273' 100406 492-4209' 4158 504-40552' 100406 472-7474' 100406 472-7474' 100406 472-420' 5736-5750' 4158F 25 hol 5736-5750' PBID @ 6042' TD @ 6063' DEWFIELD	SN LANDED AT: 5770.63' KB								
NOTCHED COLLAR: 27.8° (0.45°) 05/20/11 Pump Change. Rod & tubing details upt NOTAL STRING LENGTH: EOT @ 5835.39' KB Packer @ 4152' 4202-4209' PERFORATION RECORD 4331-4443' 09/29/06 5736-5750' 4 JSPF 55 hol 1003/06 5591-5604' 1003/06 5420-527' 4 JSPF 45 hol 5044-5052' 1004/06 4421-471' 1003/06 5420-527' 4 JSPF 45 hol 5044-5052' 1004/06 4421-4741' 4 JSPF 56 hol 503-527' 4 JSPF 45 hol 5044-5052' 1004/06 4431-4443' 1003/06 5404-0552' 4 JSPF 55 hol 5044-5052' 1004/06 4421-4741' 4 JSPF 56 hol 5526-5273' 1004/06 4222-4209' 4 JSPF 28 hol 5591-5604' 5591-5604' 5736-5750' 1004/06 4202-4209' 4 JSPF 28 hol PBTD @ 6042' TD @ 6063' TD @ 6063' 5736-5750' 5736' 5736' 5736'	NO. OF JOINTS: 2 jts (63.21')								
Packer @ 4152' Packer @ 4152' 4202-4209' 4331-4443' 09/29/06 5736-5750' 4JSPF 55 hol 1003/06 5591-5604' 1003/06 522-5273' 4JSPF 56 hol 504-5052' 10/04/06 440-4934' 10/03/06 5736-5750' 4JSPF 56 hol 5044-5052' 10/04/06 440-4934' 10/03/06 572-5182' 10/04/06 4431-4443' 4JSPF 56 hol 5262-5273' 10/04/06 4431-4443' 4JSPF 56 hol 526-5273' 10/04/06 4431-4443' 4JSPF 56 hol 50172-5182' 10/04/06 4420-4924' 10/03/06 522-5273' 10/04/06 4202-4209' 4JSPF 28 hol 5591-5604' 5736-5750' 5736-5750' JSPF 28 hol 5736-5750' JSPF 28 hol Federal 2-17-9-16 PBID @ 6042' TD @ 6063' Hol Hol<	NOTCHED COLLAR: 2-7/8" (0.45')						05/20/11		
4202-4209' PERFORATION RECORD 4431-4443' 09/29/06 5736-5750' 4 JSPF 56 hol 100306 5591-5604' 4 JSPF 52 hol 4431-4443' 100306 5262-5273' 4 JSPF 52 hol 4940-4954' 100306 5262-5273' 4 JSPF 52 hol 5044-5052' 100406 4727-4741' 4 JSPF 56 hol 5044-5052' 100406 4727-4741' 4 JSPF 56 hol 5172-5182' 100406 4727-4741' 4 JSPF 56 hol 5262-5273' 100406 4727-4741' 4 JSPF 58 hol 5591-5604' 5591-5604' 4 JSPF 58 hol 5736-5750' Federal 2-17-9-16 PBTD @ 6042' TD @ 6063' 5736-5750' 5736-5750'	TOTAL STRING LENGTH: EOT @ 5835.39' KB								
4202-4209' PERFORATION RECORD 4431-4443' 09/29/06 5736-5750' 4 JSPF 56 hol 100306 5591-5604' 4 JSPF 52 hol 4431-4443' 100306 5262-5273' 4 JSPF 52 hol 4940-4954' 100306 5262-5273' 4 JSPF 52 hol 5044-5052' 100406 4727-4741' 4 JSPF 56 hol 5044-5052' 100406 4727-4741' 4 JSPF 56 hol 5172-5182' 100406 4727-4741' 4 JSPF 56 hol 5262-5273' 100406 4727-4741' 4 JSPF 58 hol 5591-5604' 5591-5604' 4 JSPF 58 hol 5736-5750' Federal 2-17-9-16 PBTD @ 6042' TD @ 6063' 5736-5750' 5736-5750'						Packer @ 415	2'		
4727-4741' 10/03/06 5591-5604' 4 JSFF 52 hei 4940-4954' 10/03/06 572-5182' 4 JSFF 32 hei 5044-5052' 10/04/06 4940-4954' 10/03/06 572-5182' 4 JSFF 55 hei 5172-5182' 10/04/06 4202-4209' 4 JSFF 55 hei 5591-5604' 5262-5273' 10/04/06 4202-4209' 4 JSFF 28 hei 5591-5604' 5591-5604' 5736-5750' 10/04/06 4202-4209' 4 JSFF 28 hei Federal 2-17-9-16 PBTD @ 6042' TD @ 6063' TD @ 6063' 10/04/06 10/04/			4		F	-			PERFORATION RECORD
4727-4741' 10/03/06 5262-5273' 4 JSPF 44 hol 10/03/06 5522-5273' 4 JSPF 40 hol 10/03/06 5044-5052' 10/04/06 4359F 35 hol 5044-5052' 10/04/06 4420-4954' 10/03/06 5044-5052' 10/04/06 4431-4433' 4JSPF 35 hol 5262-5273' 10/04/06 4202-4209' 4 JSPF 5262-5273' 10/04/06 4202-4209' 4 JSPF 5591-5604' 5736-5750' 5736-5750' 5736-5750' PBTD @ 6042' TD @ 6063' 544-502' 544-502'			肴	- F	F	4431-4443'			09/29/06 5736-5750' 4 JSPF 56 hol
NEWFIELD Federal 2-17-9-16			4		Ļ	4707 47411			
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NEWFIELD Federal 2-17-9-16			1	Ļ	Ļ				10/04/06 4727-4741' 4 JSPF 56 hol
NEWFIELD Federal 2-17-9-16			卫		Ę				
NEWFIELD Federal 2-17-9-16			Ţ		L	5591-5604'			
NEWFIELD Federal 2-17-9-16			П	ſ	Г	2271-200 1			
Federal 2-17-9-16 PBTD @ 6042' TD @ 6063' TD @ 6063'			뷖		F	5736-5750'			
Federal 2-17-9-16 PBTD @ 6042' TD @ 6063' TD @ 6063'									
Federal 2-17-9-16 PBTD @ 6063']							
TD @ 6063'		4			PE	3TD @ 6042'			
	Federal 2-17-9-16				Т	D @ 6063'			
	669' FNL & 1785' FEL				-				
		1							

Duchesne Co, Utah API #43-013-33029; Lease #UTU-64379

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.

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- 3. Test casing and packer.
- 4. Rig down and move out.

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
 - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17th Street, Suite 2000 Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #2-17-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #2-17-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3977' - 6042'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3655' and the TD is at 6063'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #2-17-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-64379) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 6063' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1868 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #2-17-9-16, for existing perforations (4202' - 5750') calculates at 0.82 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1868 psig. We may add additional perforations between 3655' and 6063'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #2-17-9-16, the proposed injection zone (3977' - 6042') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very finegrained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-19.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

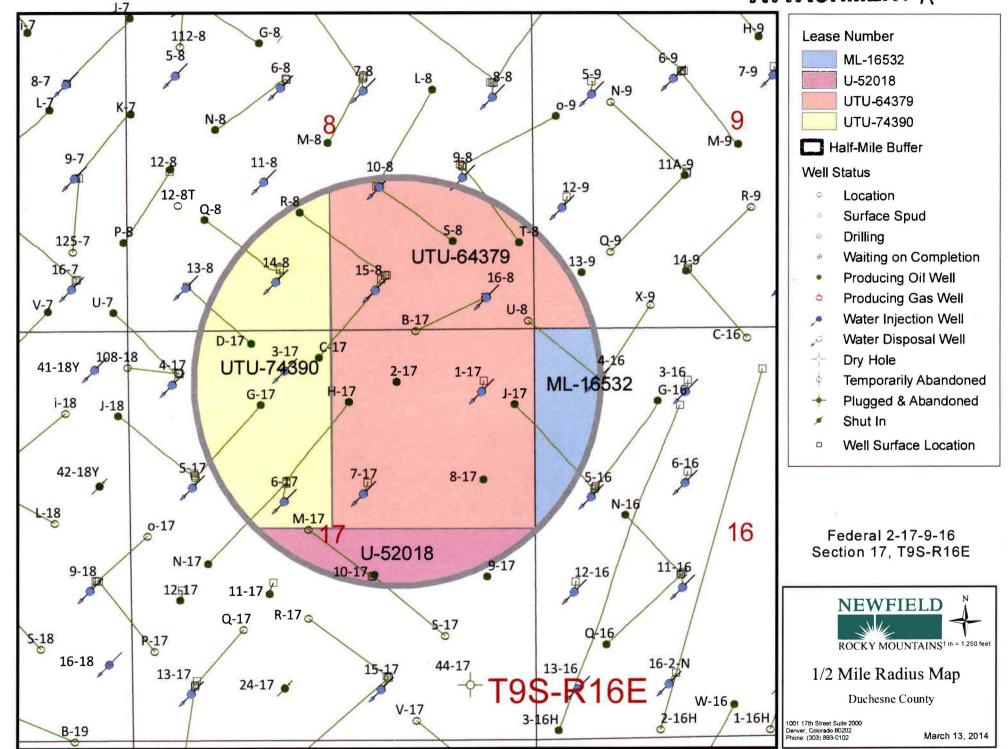
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

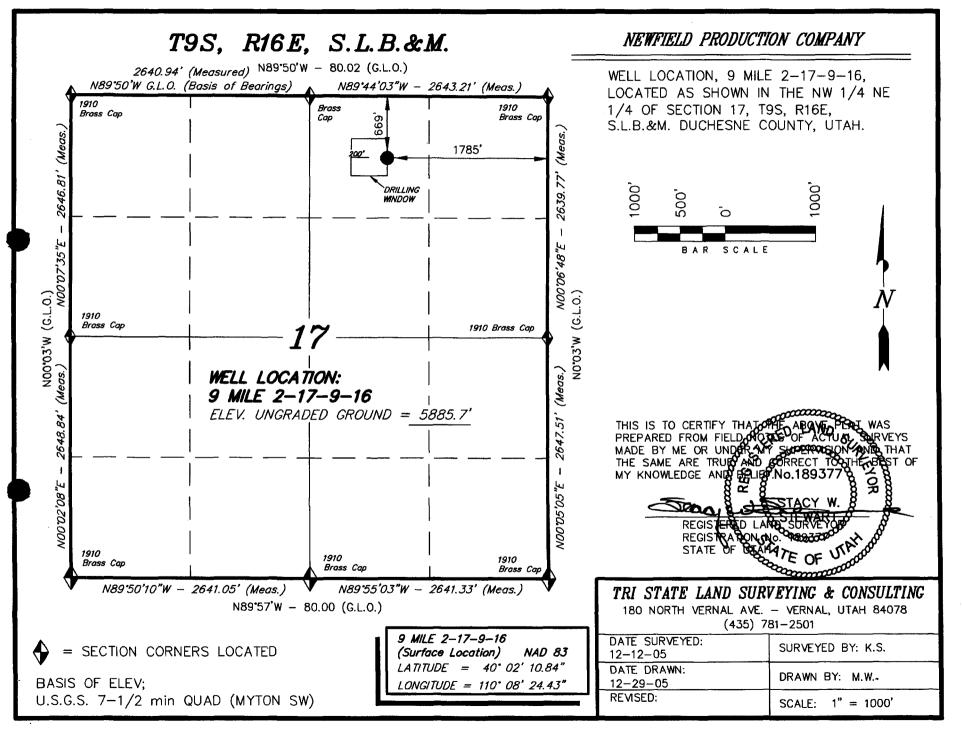
2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A



ATTACHMENT A-I



		EXHIB	ITB	
#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	State of Utah	QEP Energy Company	State of Utah
	Section 16: ALL	ML 16532	El Paso E&P Company, LP	
		НВР	Isramco Resources Inc	
			Brave River Production	
			Santa Fe Snyder Corporation	
			Santa Fe Snyder Corporation	
			Oxy USA Inc	
			MYCO Industries Inc	
			ABO Petroleum Corporation	
			Yates Petroleum Corporation	
			Newfield RMI LLC	
			Newfield Production Company	
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 17: S2	UTU-52018	Newfield RMI LLC	
	Section 20: N2	НВР		
3	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC	
	Section 9: SWSW	НВР	Yates Petroleum Corp	
	Section 17: NE		- -	
	Section 18: E2SW, SE, LOTS 3,4			
	Section 19: NE, E2NW, LOTS 1,2			
	Section 21: N2			
	Section 22: W2NE, SENE, NW			
	Section 21: N2 Section 22: W2NE, SENE, NW			

4 T9S-R16E SLM Section 6: All Section 7: All Section 8: W2 Section 17: NW Section 18: NE, E2NW, Lot1,2 USA UTU-74390 HBP Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corporation USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well Federal #2-17-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Newfield Broduction Company Jill I/ Loyle Regulatory Associate	
Sworn to and subscribed before me this 4 day of forme	_, 2014.
Notary Public in and for the State of Colorado: Updi Bundo	
My Commission Expires: $\frac{12}{31}/15^{$	

LYDIA BIONDO Notary Public State of Colorado

Federal 2-17-9-16

Wellbore Diagram

TOC @ 140'

Put on Production: 10/10/06

K.B.: 5898, G.L.: 5886

Spud Date: 08/29/06

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (311.30') DEPTH LANDED: 323.15' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G", circ. 3 bbls to surf

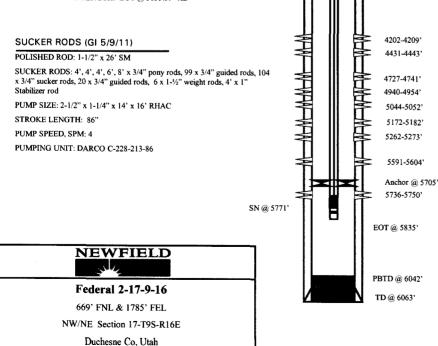
PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 138 jts. (6063.92") DEPTH LANDED: 6063.17' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ CEMENT TOP AT: 140' per CBL 9/30/06

TUBING (GI 3/19/08)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 180 jts (5692.6') TUBING ANCHOR: 5704.6' KB NO. OF JOINTS: 2 jts (63.23') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5770.63' KB NO. OF JOINTS: 2 jts (63.21') NOTCHED COLLAR: 2-7/8" (0.45') TOTAL STRING LENGTH: EOT @ 5835.39' KB

API #43-013-33029; Lease #UTU-64379



FRAC J	ов	
10/03/06	5736-5750'	Frac CP3, sands as follows: 2968 1# 20/40 sand in 375 bbls Lightning 17 frac fluid. Treated @ avg press of 2184 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc flush: 5748 gal. Actual flush: 5250 gal.
10/03/06	5591-5604'	Frac CP1 sands as follows: 34101# 20/40 sand in 395 bbls Lightning 17 frac fluid. Treated (@ avg press of 2194 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 5602 gal. Actual flush: gal.
10/03/06	5262-5273'	Frac LODC sands at solutions, gain Frac LODC sand 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2882 psi w/avg rate of 24.6 BPM. ISIP 2700 psi. Calc flush: 5271 gail. Actual flush: 4788 gail.
10/03/06	5172-5182'	Frac A3 sands as follows: 29420# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 2296 psi w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc
10/04/06	5044-5052'	flush: 5180 gal. Actual flush:4662 gal. Frac A1 sands as follows: 34720# 20/40 sand in 386 bbls Lightning 17 frac fluid. Treated @ avg press of 2198 psi ware stop 522.8 ppM JSEN 200 spi. Celo
10/04/06	4940-4954'	w/avg rate of 24.8 BPM. ISIP 2600 psi. Calc flush: 5050 gal. Actual flush:4578 gal. Frate B2 sands as follows: 59969# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1792 psi more as 2524 0500 cmic Gall
10/04/06	4727-4741'	w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4952 gal. Actual flush:4368 gal. Frac D2 sands as follows: 34580# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 1871 psi reference 5224 OBML SID SPOR spic OS
10/04/06	4431-4443'	w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4739 gal. Actual flush:4242 gal. Frac PB10 sands as follows: 50316# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2487 psi
10/04/06	4202-4209'	w/avg rate of 24.7 BPM. ISIP 2650 psi. Calc flush: 4441 gal. Actual flush:3948 gal. Frac GB6 sands as follows: 31683# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 2175 psi
05/20/11		w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4207 gal. Actual flush:4074 gal. Pump Change. Rod & tubing details updated.
		<u>PERFORATION RECORD</u> 09/29/06 5736-5750' 4 JSPF 56 holes

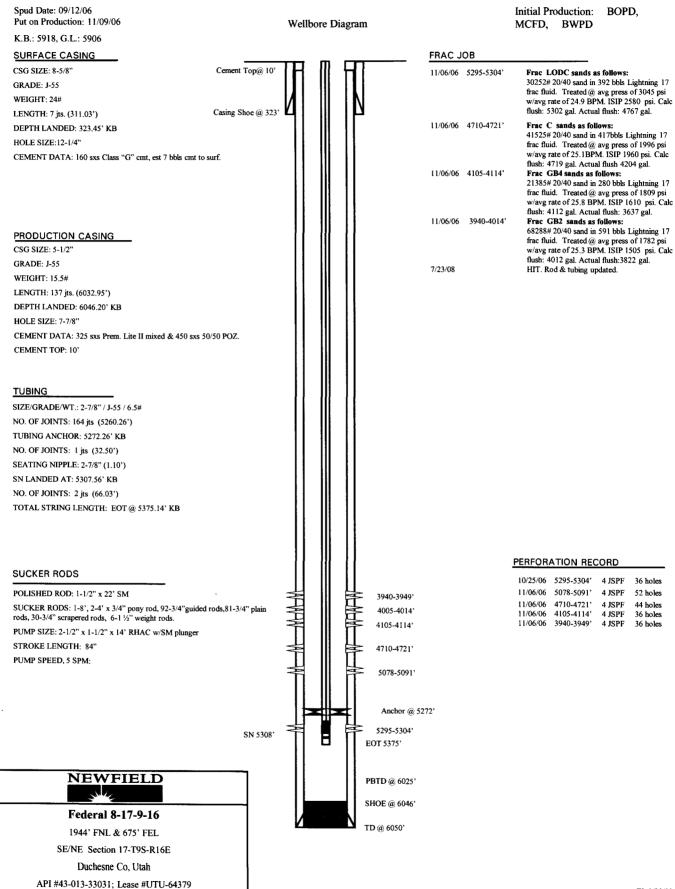
09/29/06 5736-5750' 4 JSPF 56 holes 10/03/06 5591-5604' 4 JSPF 52 holes 10/03/06 5262-5273' 4 JSPF 44 holes 10/03/06 5172-5182' 4 JSPF 40 holes 10/03/06 5044-5052' 4 JSPF 32 holes 10/04/06 4940-4954' 4 JSPF 56 holes 10/04/06 4727-4741 4 JSPF 56 holes 10/04/06 4431-4443' 4 JSPF 48 holes 10/04/06 4202-4209' 4 JSPF 28 holes

Diagram FRAC LOB SURFACE CASING IRADE: J.55 Free CPI such as follows: 12767/0.2049 and in 349 bbb Lighting for fluid. Tratel (in any case of 200 Warg rate of 25 5 BPM. ISI? 200 pit. EMENTE 71, 8101 977) Free CPI such as follows: 12757/0.2049 and in 349 bbb Lighting for fluid. Tratel (in any case of 200 Warg rate of 25 5 BPM. ISI? 200 pit. EMENTE 70 and as follows: 11-07-06 5316-5362 Free COC such as follows: 90:358/2040 and in 349 bbb Lighting for fluid. Tratel (in any press of 228 Warg rate of 25 BPM. ISI? 200 pit. C Hubb: 4507 gai. Accusal fluid: 531 gai. 11-08-06 4835-4847 Free C ands as follows: 90:358/2040 and in 349 bb Lighting for fluid. Tratel (in any press of 218 Warg rate of 25 BPM. ISI? 200 pit. C Hubb: 4507 gai. Accusal fluid. 531 gai. 11-08-06 4835-4847 Free C ands as follows: 90:258/2040 and in 349 bb Lighting for fluid. Tratel (in any press of 2100 warg rate of 253 BPM. ISI? 2000 pit. C Hubb: 4507 gai. Accusal fluid. Hubb. Highting for fluid. Tratel (in any press of 2100 warg rate of 253 BPM. ISI? 2000 pit. C Hubb: 4507 gai. Accusal fluid. Hubb. Highting for fluid. Tratel (in any press of 2100 warg rate of 253 BPM. ISI? 2000 pit. C Hubb: 4507 gai. Accusal fluid. Hubb: Highting for fluid. Tratel (in any press of 2100 warg rate of 253 BPM. ISI? 2000 pit. C Hubb: 4507 gai. Accusal fluid. Hubb: Hightin in for fluid. Hubb: Hight						
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Description Interface	CSG SIZE: 8-5/8" TO	C @ 6'		-		Frac CP1 sands as follows:
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Intervention Caming show (i) 324 Intervention	WEIGHT: 24#					w/avg rate of 25.5 BPM. ISIP 2000 psi.
Discrete 1000000000000000000000000000000000000	LENGTH: 7 jts (311.97')					
90.65 SEE 21-34* Since 100***********************************	DEPTH LANDED: 323.82' KB Casing shoe @			11-07-06	5316-5362'	
PRODUCTION CASING Index of value of	HOLE SIZE:12-1/4"					frac fluid. Treated @ avg press of 2425
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MELOR 11: 32-30 arg rate of 25.5 BPM. 1517; 2000 pit. C 458 gal. Artitul Mich. 435 gal. DEPTH LANDER. 6020.91 % B BOLE SIZE: 74" CEMENT DATA: 350 vas Pren. Lie II mixed & 450 ws 50:50 POZ. File. D & A. 250 vas Pren. Lie II mixed & 450 ws 50:50 POZ. CEMENT DATA: 350 vas Pren. Lie II mixed & 450 ws 50:50 POZ. 11-08-06 CEMENT DATA: 350 vas Pren. Lie II mixed & 450 ws 50:50 POZ. 11-08-06 CEMENT DATA: 350 vas Pren. Lie II mixed & 450 ws 50:50 POZ. 11-08-06 CEMENT DATA: 350 vas Pren. Lie II mixed & 450 ws 50:50 POZ. 11-08-06 CEMENT DATA: 350 vas Pren. Lie II mixed & 450 ws 50:50 POZ. 11-08-06 UBING 41311 TUBING 401311 TUBING 41321 0.0 OF JONTS: 165 ps. (4126.3) 4174-4183 SIZE/GRADE WT: 2-7/8" / 1-05 65.00 0.0 OF Tool (al. 132) C avere ta MIT Finalized - update th dead WERDW H1 PACKER CE AT: 4144.47 700 vas 32.78 / 78.577 0.0 2-38 x-78 / 82.26 707 TOOL AT: 413.27 / 71 TOTAL STRING LENGTH: EOT (# 4154' 410-400 0.0 00 FINE IN C. 4000 FIL 531-5320 0.0 00 FINE IN C. 4000 FIL 531-5320 0.0 00 FINE IN C. 4000 FIL 531-5320 0.0 4174 H32 53	GRADE: J-55			11-08-06	4835-4845	30222# 20/40 sand in 404 bbls Lightning
LENOTE 11 7 Ja. (6007.65') fmile. 4385 gat Actual Rule. 4835 gat S0:00 POZ. EXPERT LANDE: Book 20091 KB II-08-66 4668-4737 Fmile Robustic Book 20091 KB II-08-66 4668-4737 SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. II-08-66 4668-4737 CEMERT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. II-08-66 4764-4183 FUBING II-08-66 4774-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. II-08-66 4174-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. II-08-66 4174-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. II-08-66 4174-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. II-08-66 4174-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. III-08-66 4174-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. III-08-66 4174-4183 Prector Robustic Biobarts SUBJECT DATA: 505 ass Pren. Like II mixed & 450 gas 50:00 POZ. III-08-66 4174-4183	WEIGHT: 15.5#					frac fluid. Treated @ avg press of 2105
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BLAE 342: */10° fac finit. Trendel & 450 ass 50'50 POZ. CEMENT TOP A1: 6' fac finit. Trendel & 450 ass 50'50 POZ. CEMENT TOP A1: 6' fac finit. Trendel & 450 ass 50'50 POZ. CEMENT TOP A1: 6' fac finit. Trendel & 450 ass 50'50 POZ. CEMENT TOP A1: 6' fac finit. Trendel & and the 452 gal. TUBING fac finit. Trendel & 450 ass 50'50 POZ. CEMENT TOP A1: 6' fac finit. Trendel & and the 452 gal. TUBING fac finit. Trendel & and the 452 gal. SIZE-GRADE W1: 2.76' / J.55 / 6.5f 00.0F IONTS: 165 gi (126.3') SEATING NIPPLE: 2.78' / J.55 / 6.5f 00.0F IONTS: 165 gi (126.3') SEATING NIPPLE: 2.78' / J.55 / 6.5f 00.0F IONTS: 165 gi (126.3') SEATING NIPPLE: AT: 4140.8' Conversion MIT Finalized - update the detail VIOW UF ACKER CEAT: 4144.47' XN Nepde 413' NOW UF IOCAL: 4132 * PERFORATION RECORD 4033-4845' 11-0-06 5375.5572' VIOTAL STRING LENGTH: EOT @ 4154' 458F 30.6 S06-504' 11-0-06 5375.5572' 458F 30.6 S101-5111' 11-0-06 5375.5572' 458F 30.6 S101-5111' 11-0-06 5316.5320' 11	DEPTH LANDED: 6020.91' KB			11-08-06	4668-4737'	
CEMENT TOP AT: 350 as Pene. Lie II mixed & 450 ass 50:50 POZ. avg rate of 25.5 BPM. ISP. 2000 pit. C1 CEMENT TOP AT: 6' 11-08-06 4174-4183 Prec CH4 stands as Follows: TUBING 413011 Thing Isel. Update: 06 duits 402 pat. Actual that: 465 qat. 302 pat. Actual that: 465 qat. 302 pat. Actual that: 465 qat. 460 pat. 461 pat. 460 pat	HOLE SIZE: 7-7/8"					
LEMENT IDP A1: 6 11-08-06 4174-4183' Frac GR4 andra is fabres: 27061 # 200 and in 396 Miss Lighting 77061 # 200 and in 396 Miss Lighting TUBING 27061 # 200 and in 396 Miss Lighting 2800 FRODEWT: 2.787 / J.55 / 6.5 # NO. OF JOINTS: 136 gs. (4126.3) SECTING INPIPLIE: 2.787 (1.00) NI NARDED AT: 1433 / KB SNO OF TOOL AT: 4139.4' SEATING NUPPLIE: AT: 44.087 KOO VI PACKER CE AT: 4144.47' KOO 2.58 x 2.78 J-55 AT 448.1' TIBD OP 2.38 MAO AT: 4146.6' KON INPIPLAE: AT: 440.8' KON INPICAE: AT: 444.4' XN NUPLE AT: 414.6.6' KON INPIPLE: AT: 414.6.6' KON INPIPLE: AT: 414.8.6' KON INPIPLE: A	CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.					avg rate of 25.5 BPM. ISIP 2090 psi. Ca
TUBING 276/61# 20/40 sud in 290 bbs Lighting for bud. Transled in yr pres of 1800 hyg mit of 23.3 PM. 1818 pit. 167 gal. Actual flat. 172 gal. 181 gal.	CEMENT TOP AT: 6'			11 00 04	4174 41021	с с
PUBING avg rate of 25.3 BPM. ISP 138 pit. C fade: 40.30 gal. Actual hair. 172 gal. SIZE(GRADE/WT.12-787/15576.58 avg. not av				11-08-00	41/4-4185	
TUBING Adda 403 git Actual flat: 412 git Actual flat: 413 git Actual flat: 414 git Actual flat: 415 git Actual flat: 415 git Actual flat: 415 git Actual						
PUBING 9/14/12 Convertion Injection well SiZEG GRADEWT. 2-7/8" / J-55 / 6.5# 9/14/12 Convertion MIT Finalized - update th SN GO FJOINTS: 156 /s (4126.3') SN @ 4138' Convertion MIT Finalized - update th SN LANDED AT: 4138.3' KB NOOFT TOOL AT: 4138.4' SN @ 4139' SEALTING VIPPLE AT: 4136.4' Convertion MIT Finalized - update th VROW FID CAT: 4138.4' Convertion MIT Finalized - update th SN @ 4138' On Off Tool @ 4139' Packer 1144' XN Nipple @ 1139' VOTAL STRING LENGTH: EOT @ 4154' 4174-4183' 402-348 x2/3 XIAS 1101-06 4172-4737' 1101-06 5065-5094' 1107-06 5101-5111' 4189' 5066-5094' 1107-06 5101-5111' 4189' 5101-5111' 1108-06 5101-5111' 4189' 5101-5111' 4189' 5101-5111' 4189' 510-5326' 110660 510-6326' 110660 510-6326' 1108-06 5100-6316-5326' 1108-06 5100-6316-5326' 1108-06 5						
3/4/12 Converte in Injection well 9/4/12 Converte in Injection well 9/18/12 9/18/12 Converte in Injection well 9/18/12 9/18/12 Converte in Injection well 9/18/12 9/18/12 Converte in Injection well 9/18/12 0n OF Tool @ 1139' Packer 4144 SN @ 4138' NN NPLE AT: 418.3' KB Packer 4144' NN Npple @ 4153' 110/166 BO PUP 23/8 Na0 AT: 4148.6' 4153' IBO PUP 23/8 Na0 AT: 4148.6' 4153' IDOTAL STRING LENGTH: EOT @ 4154' 4668-4682' PERFORATION RECORD 410/46 410/4 4133' 410/46 S101-5111' 110/166 5575.592' 410/4 4133' 410/46 6316-5326' 5086-5094' 110/766 5316-5326' 110/766 5316-5326' 4158P 5101-5111' 110/766 5316-5326' 110/866 4725-4773' 11-01-86 4158P 5101-5111' 110/766 5316-5326' 4158P 5101-5111' 110/766 5316-5326' 4158P 5106-5109'<	FURING			4/13/11		Tubing leak. Updated rod & tubing deta
NO. OF JOINTS: 116 jis (4126.3') 918 12 Conversion An1 Finalized - update to deal SEATING NUPPLE: 27/8" (1.0°) SN @ 4138' 00. Off Tool @ 4139' SN @ 4138' 00. Off Tool @ 4139' 00. Off Tool @ 4139' SEALIN CHAR CEAR: 4144.47' XN Nipple @ 4153' 00. Off Tool @ 4139' Packer 4144' XN Nipple @ 4153' 11-01-06 5587.5592' 4189F 20 hold 402-388 x 27.84 55 AT 4148.1' 4174-4183' 4174-4183' 11-01-06 5587.5592' 4189F 20 hold 402-388 x 27.84 55 AT 4144.1' 4174-4183' 11-01-06 5587.5592' 4189F 20 hold 4002-388 x 27.84 55 AT 4144.1' 4174-4183' 4174-4183' 4174-4183' 4174-4183' VON NIPPLE AT: 4152.6' 11-01-06 5587.5592' 4189F 20 hold 410-1-06 5316-5326' 4189F 4189F 4184' 500-5094' 11-07-06 5316-5326' 4189F 40 hold 510-5111' 11-07-06 5316-5326' 4189F 40 hold 510-5111' 11-07-06 501-5111' 4189F 4144' 5316-5326' 11-08-06 4174-4183'				9/14/12		
SEATING NIPEL: 2-78" (1.07) SN LANDED AT: 4138.3' KB DNOFT TOOL AT: 4139.4' SEAL NIPEL EAT: 4144.7' NO 2-38 x 2-78.155 AT 4148.1' TGG PUP 2-38 N80 AT: 4148.6' (NN INPEL AT: 412.6' TOTAL STRING LENGTH: EOT @ 4154' 4174-1183' NO AT TOOL AT: 4139.4' SUBJECT 24 DATE: 200 Pole 4174-1183' 110-106 5572-5578' 4 JSPF 20 Pole 4174-1183' 110-106 5572-5578' 4 JSPF 20 Pole 4174-1183' 110-106 5572-5578' 4 JSPF 20 Pole 110-706 5016-5111' 110-706 5016-5111' 110-706 5016-5111' 110-706 5016-5111' 110-706 5016-5111' 110-706 5016-5111' 110-806 40572-4159' 5086-5094' 110-706 5016-5111' 110-806 40572-4159' 5086-5094' 110-806 40572-4159' 5086-5094' 110-806 40572-4159' 110-806 4057-4159' 110-806 4057-4159' 110-8				9/18/12		
SN LANDED AT: 4138.3' KB SN CAT TOOL AT: 4139.4' SEAL NIPPLE AT: 4140.8' KROW #1 PACKER CE AT: 4144.47' KO 2-38 x 2-78 J-55 AT 4148.1' EDG (7) 2-38 x 80 AT: 4188.6' KON NIPPLE AT: 4152.6' TOTAL STRING LENGTH: EOT @ 4154' 4668-4682' 4725-4737' 11-01-06 5572-5578' 4JSPF 20 hole 5086-5094' 11-07-06 5310-5326' 4JSPF 40 hole 5086-5094' 11-07-06 5310-5326' 4JSPF 40 hole 5086-5094' 11-07-06 5310-5326' 4JSPF 40 hole 5010-5111' 11-07-06 5310-43574' 4JSPF 40 hole 5010-5111' 11-07-06 5310-435745' 4JSPF 40 hole 5010-5111' 11-07-06 5310-43574' 4JSPF 40 hole 5010-5111' 11-07-06 5310-43574' 4JSPF 40 hole 5010-5111' 11-07-06 5310-43574' 4JSPF 40 hole 5010-5111' 11-07-06 543-445' 4JSPF 40 hole 5010-5111' 11-07-06 543-445' 4JSPF 40 hole 5010-5111' 11-07-06 543-445' 4JSPF 40 hole 5010-5111' 11-07-06 543-445' 4JSPF 40 hole 5010-5111' 11-07-06 5417-4183' 4JSPF 40 hole 5010-5111' 11-07-06 5417-4183' 4JSPF 40 hole 5010-5111' 11-07-06 5417-4183' 4JSPF 40 hole 5010-5111' 11-07-06 540-540' 4JSPF 40 hole 500-540' 4JSPF 40 hole 500-540' 500-540' 500-540' 500-540' 500-540' 500-540' 500-540' 500-540'						utun
DNOFT TOOL AT: 4139.4' SEAL NPPLE AT: 4140.8' NRROW #1 PACKER CE AT: 4144.7' VO 2-3% x 2-7% J-55 AT 4148.1' TBG PUP 2-38 N-80 AT: 4148.6' VN NIPPLE AT: 4152.6' TOTAL STRING LENGTH: EOT @ 4154' 4668-4682' 4725-4737' 11-01-06 5572-5578' 5086-5094' 11-07-06 5316-5326' 11-07-06 5316-5326' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 11-07-06 5316-5326' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 11-07-06 5316-5326' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 11-07-06 5316-5326' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 5086-5094' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094' 11-08-06 4174-4183' 4.SPF 20 hole 5086-5094'			SN @ 4129?			
SEAL NIPPLE AT: 4140.8' Of Control (1973) RROW #I PACKER CE AT: 4144.47' Yeaker 4144' XX N Nipple & A153' Packer 4144' COLOR (1973) Packer 4144' XN Nipple & A153' 4174-4183' OT (a) LS STRING LENGTH: EOT (a) 4154' 4668-4682' 4668-4682' PERFORATION RECORD 4725.4737' 11-01-06 5587-5592' 4JSPF 20 hole 4835-4845' 11-01-06 5587-5592' 4JSPF 20 hole 4835-4845' 11-01-06 5587-5592' 4JSPF 20 hole 5066-5094' 11-07-06 5316-5326' 4JSPF 40 hole 5101-5111' 11-07-06 5316-5326' 4JSPF 40 hole 11-07-06 5316-5326' 11-08-06 4174-4183' 4JSPF 40 hole 5101-5111' 11-08-06 4125FF 40 hole 5347-5562' 11-08-06 4174-4183' 4JSPF 40 hole 5101-5111' 11-08-06 4174-4183' 4JSPF 36 hole 5347-5562' 11-08-06 4174-4183' 4JSPF 36 hole S106-5121' 11-08-06 4174-4183''				@ 4120'		
NRROW #I PACKER CE AT: 4144.1' K0 2-38 x 2-78 J-55 AT 4148.1' IEG PUP 2-38 N-80 AT: 4148.6' (NNPPLE LAT: 4152.6') ITOTAL STRING LENGTH: EOT @ 4154' 4668-4682' 4725-4737' 11-01-06 5587-5592' 4154' 4725-4737' 11-01-06 5587-5592' 4154' 4835-4845' 11-07-06 5316-5326' 11-07-06 5417-5302' 410-06 5587-5592' 4154' 4174-4183' 4835-4845' 11-07-06 5086-5094' 11-07-06 501-5111' 11-08-06 11-08-06 4855-4845' 11-08-06 4855-4845' 11-08-06 4855-4845' 11-08-06 4855-4845' 11-08-06 4855-4845' 11-08-06 4855-4845' 11-08-06 4154' 5316-5326' 11-08-06 510-5111' 11-08-06 11-08-06 4174-4183' 587-5592'' 11-08-06 587-5592'' 11-08-06	SEAL NIPPLE AT: 4140.8'			<i>w</i> 4159		
BO 2:930 A2:763:93 A1 1416.1 EOT @ 4154' EOT @ 4154' 4174.4183' IDE PUP 2:34:8 A0 AT: 4148.6' 4174.4183' YN NIPPLE AT: 4152.6' 11-01-06 587-5592' 4 JSPF 20 hole 11-07-06 5387-5592' 4 JSPF 20 hole 11-07-06 510:5111' 4159' 4635-4845' 11-07-06 510:5111' 41.97PF 40 hole 11-07-06 510:5111' 41.97PF 40 hole 5086-5094' 11-07-06 510:5111' 41.97PF 40 hole 11-07-06 510:5111' 41.97PF 40 hole 5101-5111' 11-07-06 510:5111' 41.97PF 40 hole 11-08-06 4174-4183' 41.97PF 40 hole 5101-5111' 11-07-06 510:5111' 41.97PF 40 hole 11-08-06 4174-4183' 41.97PF 40 hole 5101-5111' 11-08-06 4064-4682' 41.97PF 40 hole 11-08-06 4174-4183' 41.97PF 56 hole 5101-5111' 11-08-06 4174-4183' 41.97PF 5572-5578' 5572-5578' 5587-5592' 11-08-06 4174-4183' 41.98PF	ARROW #1 PACKER CE AT: 4144.47'		Facker 4144			
PERG PUP 2-3:8 N-80 AT: 4148.6' PERFORATION RECORD VN NIPPLE AT: 4152.6' 11-01-06 5587-5592' 4 JSPF 20 hole 4725-4737' 11-01-06 5587-5592' 4 JSPF 20 hole 4835-4845' 11-01-06 5577-5578' 4 JSPF 20 hole 5086-5094' 11-07-06 5316-5322' 4 JSPF 40 hole 11-07-06 5316-5326' 11-07-06 5316-5326' 11-07-06 5316-5326' 11-08-06 4668-4682' 11-08-06 4668-4682' 4 JSPF 40 hole 5316-5326' 11-07-06 5316-5326' 11-08-06 4668-4682' 4 JSPF 40 hole 5316-5326' 11-08-06 4668-4682' 4 JSPF 40 hole 11-08-06 4174-4183' 4 JSPF 40 hole 5572-5578' 5587-5592' 11-08-06 4174-4183' 4 JSPF 56 hole 560' FNL & 660' FEL NE/NE Section 17-T9S-R16E PBTD @ 6075' V V V V V V V V V V V V V V V V V V V	XO 2-3/8 x 2-7/8 J-55 AT 4148.1'					
NEWFIELD PBTD @ 5999' Str2-5578' Str2-5578	FBG PUP 2-3/8 N-80 AT: 4148.6'	*	1.1			
4668-4682' PERFORATION RECORD 4725-4737' 11-01-06 5587-5592' 4 JSPF 20 holes 4835-4845' 11-01-06 5587-5592' 4 JSPF 20 holes 11-07-06 5347-5362' 4 JSPF 40 hole 11-07-06 5316-5326' 4 JSPF 40 hole 11-07-06 5316-5326' 4 JSPF 40 hole 11-07-06 6837-4332' 4 JSPF 40 hole 11-08-06 4725-4737' 4 JSPF 40 hole 11-08-06 4725-4737' 4 JSPF 40 hole 5316-5326' 11-08-06 4682-4432' 4 JSPF 56 hole 5347-5362' 11-08-06 468-4682' 4 JSPF 56 hole 5572-5578' 5587-5592' 11-08-06 4174-4183' 4 JSPF 56 hole 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E Hole TD @ 6075' Hole Hole	X/N NIPPLE AT: 4152.6'	П	Π			
4725-4737' 11-01-06 587-5592' 4 JSPF 20 hole 4725-4737' 11-01-06 5572-5578' 4 JSPF 24 hole 11-07-06 5316-5322' 4 JSPF 40 hole 11-07-06 5316-5324' 4 JSPF 40 hole 11-08-06 4725-4737' 4 JSPF 40 hole 11-08-06 4725-4737' 4 JSPF 56 hole 5316-5322' 11-08-06 4684-4682' 4 JSPF 5572-5578' 5587-5592' 11-08-06 4174-4183' 4 JSPF 560' FNL & 660' FEL SHOE @ 6020' 5HOE @ 6020' 1D @ 6075' NE/NE Section 17-T9S-R16E F F 5HOE @ 6020' 1D @ 6075'	FOTAL STRING LENGTH: EOT @ 4154'	Ц				
NEWFIELD Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E		7	4668-4682	,		
4535-4843 11-07-06 5347-5362' 4 JSPF 60 hole 11-07-06 5316-5326' 4 JSPF 40 hole 5101-5111' 11-07-06 5367-4845' 4 JSPF 40 hole 5101-5111' 11-07-06 5435-4845' 4 JSPF 40 hole 5101-5111' 11-07-06 5435-4845' 4 JSPF 40 hole 11-08-06 4355-4845' 4 JSPF 56 hole 5316-5326' 11-08-06 4174-4183' 4 JSPF 5572-5578' 5587-5592' 11-08-06 4174-4183' 4 JSPF Sold 600' FNL & 660' FEL PBTD @ 5999' SHOE @ 6020' TD @ 6075' Hole NE/NE Section 17-T9S-R16E Hole Hole Hole Hole Hole		有	4725-473	7'		
S086-5094' 11-07-06 5316-5326' 4 JSPF 40 hole S086-5094' 11-07-06 5101-5111' 4 JSPF 40 hole S101-5111' 11-07-06 508-5094' 4 JSPF 30 hole S101-5111' 11-07-06 508-5094' 4 JSPF 40 hole S101-5111' 11-07-06 508-5094' 4 JSPF 40 hole S101-5111' 11-07-06 508-5094' 4 JSPF 40 hole S101-5111' 11-07-06 408-4882' 4 JSPF 40 hole S101-5326' 11-08-06 4068-4682' 4 JSPF 56 hole S316-5326' 11-08-06 4174-4183' 4 JSPF 36 hole S572-5578' 5587-5592' 11-08-06 4174-4183' 4 JSPF 36 hole SHOE @ 6020' FEL NE/NE Section 17-T9S-R16E Federal 1-17-9-16 5075' 571 571 571		「「「「「」」	4835-4845	;'		
Si01-5111' 11-07-06 5086-5094' 4 JSPF 32 hole Si01-5111' 11-08-06 4835-4845' 4 JSPF 40 hole Si16-5326' 11-08-06 4668-4682' 4 JSPF 36 hole Si16-5326' 11-08-06 4174-4183' 4 JSPF 36 hole Si87-5592' 11-08-06 4174-4183' 4 JSPF 36 hole BTD @ 5999' SHOE @ 6020' TD @ 6075' 4 JSPF 4 JSPF						
NEWFIELD PBTD @ 5999' Store in 17-79-16 660' FNL & 660' FEL NE/NE Section 17-79S-R16E Image: Contract of the section		「「「「」「」	5086-5094	r		
NEWFIELD 11-08-06 4725-4737' 4 JSPF 48 hole 5316-5326' 11-08-06 4668-4682' 4 JSPF 36 hole 5572-5578' 5587-5592' -<		素	5101-5111	l,		
S316-5326' 11-08-06 4688-4682' 4 JSPF 56 hole S347-5362' 11-08-06 4174-4183' 4 JSPF 36 hole S572-5578' 5587-5592' -						
NEWFIELD Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E		「「「「「」」	5316-5326	2		
NEWFIELD Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E		刺	5347-5362	2'		11-08-06 4174-4183' 4 JSPF 36 hole
NEWFIELD Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E						
NEWFIELD Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E		執	5572-5578	P		
NEWFIELD Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E		ચ	5587-5592	2'	,	
Federal 1-17-9-16 PBTD @ 5999' 660' FNL & 660' FEL TD @ 6075' NE/NE Section 17-T9S-R16E TD @ 6075'						
Federal 1-17-9-16 PBTD @ 5999' 660' FNL & 660' FEL TD @ 6075' NE/NE Section 17-T9S-R16E TD @ 6075'						
Federal 1-17-9-16 SHOE @ 6020' 660' FNL & 660' FEL TD @ 6075' NE/NE Section 17-T9S-R16E TD @ 6075'						
660' FNL & 660' FEL TD @ 6075' NE/NE Section 17-T9S-R16E TD @ 6075'						
660' FNL & 660' FEL NE/NE Section 17-T9S-R16E	Federal 1-17-9-16		_			
	660' FNL & 660' FEL		TD @ 6075			
Duchesne Co, Utah	NE/NE Section 17-T9S-R16E					
	Duchesne Co, Utah					

Spud Date: 8-26-06	Federal 7	-17-9-16		
Put on Production: 10-5-06				
GL: 5941' KB: 5953'	Injection Diag			
SURFACE CASING			FRAC JOB	
CSG SIZE: 8-5/8" Cement 1 GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (310.66")	top @ 65'		09-28-06 5711-5736	Frac CP3 sands as follows: 60051# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 24.6 BPM. ISIP 2010 psi. Calc flush: 5709 gal. Actual flush: 5208 gal.
DEPTH LANDED: 322.51' KB Casing 5 HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.	Shoe @ 323'	N	09-28-06 5582-5594'	Frac CP1 sands as follows: 34140#20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 1965 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc flush: 5580 gal. Actual flush: 5053 gal.
			09-28-06 5228-5270'	Frac LODC sands as follows: 119568#20/40 sand in 828 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 25.3 BPM. ISIP 2420 psi. Calc flush: 5226 gal. Actual flush: 4713 gal.
PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#			09-28-06 5030-5038'	Frac A1 sands as follows: 28464# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 2205 w/ avg rate of 25 BPM. ISIP 2340 psi. Calc flush: 5028 gal. Actual flush: 4536 gal.
LENGTH: 137 jts. (6031.04') DEPTH LANDED: 6044.29' KB HOLE SIZE: 7-7/8''			09-29-06 4911-4938'	Frac B2, & B1 sands as follows: 29823# 20/40 sand in 349 bbls Lightning 17 frac fluid. Treated @ avg press of 1850 w/ avg rate of 25.2 BPM. ISIP 1815 psi. Calc flush: 4909 gal. Actual flush: 4326 gal.
CEMENT DATA: 325 sxs Pren. Lite II mixed & 525 sxs 50/50 POZ. CEMENT TOP AT: 65'			09-29-06 4318-4340'	Frac PB7 sands as follows: 73425# 20/40 sand in 552 bbls Lightning 17 frac fluid. Treated @ avg press of 2830 w/ avg rate of 24.9 BPM. ISIP 3290 psi. Calc flush: 4316 gal. Actual flush: 3822 gal.
TUBING SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5# NO. OF JOINTS: 127 jts (4009.0')			09-29-06 4074-4080'	Frac GB2 sands as follows: 20053# 20/40 sand in 289 bbls Lightning 17 frac fluid. Treated @ avg press of 1945 w/ avg rate of 25 BPM. ISIP 1770 psi. Calc flush: 4072 gal. Actual flush: 3900 gal.
SEATING NIPPLE: 2-7/8" (1.10')			03-17-08	Major Workover
SN LANDED AT: 4021.0' KB			03-14-08 5030'-5038'	Acidize and Squeeze A1 sands as follows:
ON/OFF TOOL AT: 4022.1' PACKER 5-1/2" AS IX w/1.875 "X" seal nipple AT: 4023.9'		Packer @ 4024' EOT @ 4037'		pump 7 bbls techni-hib 767, 4 drms acid ave pump press @1816psi @ 2.2 BPM. ISIP @ 2100psi.
XO AT: 4030.9' TBG PUP 2-3/8" J-55 AT4031.4' XN NIPPLE 2-3/8" AT: 4035.5'		4074-4080'	03-14-08 5228'-5270'	Acidize LODC sand as follows: 20 bbls techni-hib 767, 8 drms acid ave pump press 2128psi @ 4.3 BPM. ISIP @ 2000psi
TOTAL STRING LENGTH: EOT @ 4037'	N.	4318-4340'	03-14-08 5582'-5594'	Acidize CP1 sands as follows:: 20 bbls techni-hib, 5 drms acid. Ave pump press @ 2585psi @ 2.7 BPM. ISIP @ 2058psi
			03-14-08 5711'-5736'	Acidize CP3 sands as follows:
PERFORATION RECORD		4911-4917'		20 bbls techni-hib, 8 drms acid. Ave pump press @ 2307psi @ 3.9 BPM. ISIP @ 1655psi
09-20-06 5711-5736' 4 JSPF 100 holes 09-28-06 5582-5594' 4 JSPF 48 holes	枚	4933-4938'	02-15-07	Pump Change: Update rod and tubing details.
09-28-06 5582-5594' 4 JSPF 48 holes 09-28-06 5228-5270' 4 JSPF 84 holes	4	5030-5038'	04-13-07	Tubing Leak: Updated rod and tubing detail.
09-28-06 5030-5038' 4 JSPF 32 holes	¥	5054-5065	7-18-07	Tubing Leak: Updated rod & tubing detail.
09-28-06 4933-4938' 4 JSPF 20 holes	Ę	5060-5061	1/12/09	Tubing Leak. Updated rod & tubing details.
09-28-06 4911-4917' 4 JSPF 24 holes 09-29-06 4318-4340' 4 JSPF 88 holes 09-29-06 4074-4080' 4 JSPF 24 holes		5064-5065	8/26/09 9/22/2010	Tubing Leak. Updated rod & tubing details. Major Workover. Update rod and tubing details
08-29-12 5064-5065' 3 JSPF 3 holes 08-29-12 5060-5061' 3 JSPF 3 holes		5228-5270'	1/27/2011 08/31/12 5054-5065'	Tubing Leak. Update rod and tubing details Frac A3 sands as follows: 26408# 20/40 sand in
08-29-12 5054-5055' 3 JSPF 3 holes	址	5582-5594'	09/07/12	274bbls Lightning 17 frac fluid.
	П		09/10/12	Convert to Injection Well Conversion MIT Finalized – update tbg detai
		5711-5736'	09/10/12	Conversion will Finanzen – update tog detai
NEWFIELD		PBTD @ 5992		
		SHOE @ 6044	,	
Federal 7-17-9-16 1974' FNL & 2179' FEL SW/NE Section 17-T9S-R16E Duchesne Co, Utah	2	TD @ 6055'		
API # 43-013-33030; Lease # UTU-64379				



Federal 8-17-9-16



NEWFIELD		Schematic		ichment E-4
July Contraction		el.		
Well Name: Fede	eral 10-17-9-16	43-013-33 IAPULWI IWOI RC	Lease State/Province	Field Name County
17-9S-16E Spud Date Rig Relea	se Date On Production Date	APUUVI Vien KC 43013330330000 500155828 Original KB Elevation (ft) Ground Elevation (ft)	and the second se	GMBU CTB3 DUCHESNE
9/1/2006	10/20/2006	6,007 5,995		Original Hole - 5,992.7
Most Recent Job Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 3/18/2014	Job End Date 3/25/2014
TD: 6,060.0		Vertical - Original Hole, 12/15/2014		0/20/2014
MD (ftKB) (ftKB)	Incl (°) DLS	V	ertical schematic (actual)	
10.8	DLS (°			
11.8		6		
12.1				n A sint and a sint of the state of the stat
29.9				
322.5				
323.5			1; Surface; 8 5/8 in; 8.097	in; 11-323 ftKB; 312.50 ft
332.0				
4,142.7			2-1; Tubing; 2 7/8; 2.441;	
4,143.7			—— 2-2; Pump Seating Nipple.	; 2 7/8; 2.441; 4,143-4,144; 1.10
4,145.3			2-3; On-Off Tool; 2 7/8; 2.	441; 4,144-4,145; 1.80
4,152.6				
4,157.2			—— 2-5; Cross Over w/ 4' Sub	o; 2 3/8; 1 991; 4,152-4,157; 4.80
4,158.8				91; 4,157-4,159; 1.65
4,208.0				
4,212.9		55555	—— Perforated; 4,208-4,213; 1	10/16/2006
4,219.2				10/40/0000
4,224.1		1 2000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000 - 5000	—— Perforated; 4,219-4,224; 1	10/16/2006
4,909.1				
4,916.0			Perforated; 4,909-4,916; 7	10/16/2006
5,324.1				10/18/2008
5,337.9			—— Perforated; 5,324-5,338; *	10/10/2006
5,571.9			Defended E ETO E EOT	10/16/2006
5,597.1			Perforated; 5,572-5,597;	10/10/2000
5,992.8				
5,993.4				
6,037,7				
6,038.4			2; Production; 5 1/2 in; 4.	950 in; 12-6,038 ftKB; 6,026.28 ft
6,060.0				
	1	1		

Spud Date: 1/10/07 Put on Production: 03/20/07 GL: 5883' KB: 5895'

FEDERAL 10-8-9-16

Injection Wellbore Diagram

SURFACE CASING			EE	RAC JOB					
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (291.07')	Top @ 48'			03/14/07	5689-570	70 fr: W	ac fluid. Treat	nd in 534 ed@avg 3 BPM. IS	bbls Lightning 17 press of 1715 psi SIP 1865 psi. Calc
DEPTH LANDED: 302.92' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.				02/26/07	5227-524	7(fr. w	ac fluid. Treat	nd in 576 ed@avg 3 BPM. IS	bbls Lightning 17 press of 1820 psi SIP 2700 psi. Calc
	И			03/15/07	4948-5039'	60 fr: W	ac fluid. Treat	nd in 479 ed@avg 2 BPM. IS	bbls Lightning 17 press of 1637 psi SIP 1750 psi. Calc
PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55				03/15/07	4787-4792'	14 fra W	ac fluid. Treat	nd in 232 ed@avg 3 BPM, 13	bbls Lightning 17 press of 1909 psi SIP 1740 psi. Calc
WEIGHT: 15.5# LENGTH: 140 jts. (6164.87') DEPTH LANDED: 6178.12' KB HOLE SIZE: 7-7/8"				03/15/07	4295-4318'	40 fr W	ac fluid. Treat	nd in 358 ed@avg .7 BPM. IS	bbls Lightning 17 press of 1617 psi SIP 2025 psi. Calc
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP: 48'				03/01/07	4220-4227'	F 2: fr. w	Frac GB4 sand 3024# 20/40 sa ac fluid. Treat	is as follo nd in 251 ed@avg 2 BPM. IS	ws: bbls Lightning 17 press of 2030 psi SIP 2030 psi. Calc
TUBING		SN @	4158'	11-30-07			-		od & tubing details.
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#		On Of	f Tool @ 4159'	2/22/08		P	ump change. I	Updated ro	d &tubing details.
		-41	@ 4164'	3/23/09		P	ump change. I	Jpdated r	& t details.
NO. OF JOINTS: 133 jts (4146') SEATING NIPPLE: 2-7/8" (1.10')			-	10/8/09		P	arted rods. Up	dated rod	& tubing details.
SN LANDED AT: 4158' KB			lipple @ 4172' @ 4174'					-	and tubing details.
	불	11	0-4227'	09/17/13			onvert to Inje		
ON/OFF TOOL AT: 4159.1'	R	П	5-43 01'	09/19/13			onversion MI etail	T Finalize	d – update tbg
ARROW #1 PACKER CE AT: 4164.3'	Ŧ		0-4318'			u	Jian		
XO 2-3/8 x 2-7/8 J-55 AT: 4167.9'	П	T T	0 10 10						
TBG PUP 2-3/8 J-55 AT: 4168.4'									
X/N NIPPLE AT: 4172.5'	11								
TOTAL STRING LENGTH: EOT @ 4174.34'									
	「「「「」	478	37-4792'			PERFO	RATION RE	CORD	
					-		5689-5705'		64 holes
	L L	10/	8-4954'				5227-5242'	4 JSPF	60 holes
	IJ	П			C	3/14/07	5032-5039'	4 JSPF	28 holes
	1		37-4991'				4987-4991'	4 JSPF	16 holes
	The second secon	F 503	2-5039'				4948-4954' 4787-4792'	4 JSPF 4 JSPF	24 holes 20 holes
	11						4310-4318'		32 holes
							4295-4301'	4 JSPF	24 holes
	W	52	27-5242'		C	3/15/07	4220-4227'	4 JSPF	28 holes
	W	568	39-5705'						
		PBTD	@ 6132'						
FEDERAL 10-8-9-16 1837'FSL & 1994' FEL NW/SE Section 8-T9S-R16E Duchesne Co, Utah API #43-013-33059; Lease # UTU-64379			6175'				L	CN 09/20/1	3

FRAC JOB

Federal 15-8-9-16

Injection Wellbore Diagram

Cement Top @ 64'

Spud Date: 01/11/07 Put on Production: 03/09/07 K.B.: 5934, G.L.: 5922

SURFACE CASING

 CSG SIZE: 8-5/8"
 C

 GRADE: J-55
 WEIGHT: 24#

 LENGTH: 7 jts. (294.01')
 Cas

 DEPTH LANDED: 305.86' KB
 HOLE SIZE:12-1/4"

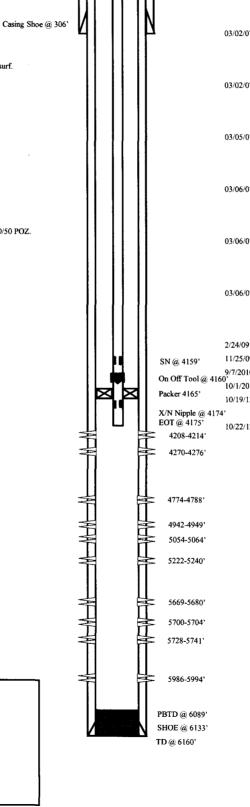
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 139 jts. (6120.05') DEPTH LANDED: 6133.30' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP: 64'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 131 jts (4146.8') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4158.8' KB ON/OFF TOOL AT: 4159.9' ARROW #1 PACKER CE AT: 4165.1' XO 2-3/8 x 2-7/8 J-55 AT: 4168.8' TBG PUP 2-3/8 J-55 AT: 4169.4' X/N NIPPLE AT: 4173.5' TOTAL STRING LENGTH: EOT @ 4175'



03/02/07	5986-5994'	Frac CP5 sands as follows: 20494# 20/40 sand in 312 bbls Lightning 17 frac fluid. Treated @ avg press of 2232 psi w/avg rate of 24.9 BPM. ISIP 2044 psi. Calc flush: 5992 gal. Actual flush: 5477 gal.
03/02/07	5669-5741'	Frac CP1,CP2 sands as follows: 80764# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 1494 psi w/avg rate of 24.8 BPM. ISIP 1900 psi. Calc flush: 5739 gal. Actual flush: 5124 gal.
03/02/07	5222-5240'	Frac A1 sands as follows: 161764# 20/40 sand in 1071 bbls Lightning17 frac fluid. Treated@avg press of 1500 psi w/avg rate of 24.9 BPM. ISIP 1944 psi. Calc flush: 5238 gal. Actual flush: 5250 gal.
03/05/07	5054-5064'	Frac B2 sands as follows: 29798# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated@avg press of 1628 psi w/avg rate of 25.2 BPM. ISIP 1839 psi. Calc flush: 5062 gal. Actual flush:4578gal.
03/06/07	4942-4949'	Frac C sands as follows: 29152# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2111 psi w/avg rate of 24.9 BPM. ISIP 1839psi. Calc flush: 4947 gal. Actual flush: 4452 gal.
03/06/07	4774-4788'	Frac D1 sands as follows: 79970# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 1620 psi w/avg rate of 25.1 BPM. ISIP 2065 psi. Calc flush: 4786 gal. Actual flush:4242 gal.
03/06/07	4208-4276'	Frac GB2, GB4 sands as follows: 42220# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 4274 gal. Actual flush:4116 gal.
2/24/09		Pump Change. Updated rod & tubing details.
11/25/09		Parted rods. Updated rod and tubing detail
9/7/2010 0'		Parted rods. Updated rod and tubing detail.
10/1/2010		Pump change. Updated rod and tubing detail.
10/19/12		Convert to Injection Well
10/22/12		Conversion MIT Finalized – update tbg detail
	<u> </u>	PERFORATION RECORD
	0	2/21/07 5986-5994' 4 JSPF 32 holes

02/21/07	5986-5994'	4 JSPF	32 holes
03/02/07	5728-5741'	4 JSPF	52 holes
03/02/07	5700-5704'	4 JSPF	16 holes
03/02/07	5669-5680'	4 JSPF	44 holes
03/02/07	5222-5240'	4 JSPF	72 holes
03/02/07	5054-5064'	4 JSPF	40 holes
03/05/07	4942-4949'	4 JSPF	28 holes
03/06/07	4774-4788'	4 JSPF	56 holes
03/06/07	4270-4276'	4 JSPF	24 holes
03/06/07	4208-4214'	4 JSPF	24 holes

NEWFIELD

Federal 15-8-9-16 703' FSL & 1952' FEL SW/SE Section 8-T9S-R16E Duchesne Co, Utah API #43-013-33060; Lease #UTU-64379

LCN 10/24/12

ATTACHMENT E-7 Federal 16-8-9-16 Spud Date: 02/06/07 Put on Production: 03/21/07 Injection Wellbore K.B.: 5876, G.L.: 5864 Diagram SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" TOC @ 54' 03/13/07 5627-5732' Frac CP2, sands as follows: 26883# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 2479 psi GRADE: J-55 WEIGHT: 24# w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc flush: 5730 gal. Actual flush: 5124 gal. LENGTH: 7 jts. (308.18') 03/13/07 5128-5166' Frac A3 sands as follows: DEPTH LANDED: 320.03' KB 24821# 20/40 sand in 347bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2094psi w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf. flush: 5164 gal. Actual flush: 4624 gal. Frac C sands as follows: 95479# 20/40 sand in 684 bbls Lightning 17 03/13/07 4864-4902' frac fluid. Treated @ avg press of 1795 psi w/avg rate of 25.2 BPM. ISIP 2133 psi, Calc flush: 4900 gal. Actual flush: 4364 gal. 03/13/07 4725-4735' Frac D1 sands as follows: PRODUCTION CASING 45323# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated@ avg press of 1834 psi w/avg rate of 25.2 BPM. ISIP 2100 psi. Calc CSG SIZE: 5-1/2 GRADE: J-55 flush: 4733 gal. Actual flush:4204 gal. WEIGHT: 15.5# 03/13/07 4472-4503* Frac PB10, PB11 sands as follows: 22086# 20/40 sand in 270 bbls Lightning 17 LENGTH: 138 jts. (6054.21') frac fluid. Treated @ avg press of 2550 psi w/avg rate of 25.3 BPM. ISIP 2425 psi. Calc DEPTH LANDED: 6104.47' KB flush: 4501 gal. Actual flush:4368 gal. HOLE SIZE: 7-7/8" 11/12/13 **Convert to Injection Well** CEMENT DATA: 301 sxs Prem. Lite II mixed & 449 sxs 50/50 POZ. 11/13/13 Conversion MIT Finalized - update tbg detail <u>TUBING</u> SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 139 jts (4386.6') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4398.6' KB ON/OFF TOOL AT: 4399.7' ARROW #1 PACKER CE AT: 4405.1' XO 2-3/8 x 2-7/8 J-55 AT: 4409' SN @ 4399 TBG PUP 2-3/8 J-55 AT: 4409.5 On Off Tool @ 4400' X/N NIPPLE AT: 4413.7' Х Packer @ 4405 Ζ TOTAL STRING LENGTH: EOT @ 4415.24' X/N Nipple @ 4414' EOT @ 4415' PERFORATION RECORD 03/01/07 5631-5639' 4 JSPF 32 holes 4472-4478' Ē 03/13/07 5158-5166' 4 JSPF 32 holes 4497-4503 03/13/07 5128-5133' 4 JSPF 20 holes 03/13/07 4894-4902' 4 JSPF 32 holes 03/13/07 4864-4876' 4 JSPF 48 holes 4725-4735 03/13/07 4725-4735' 4 JSPF 40 holes 4864-4876' 03/13/07 4497-4503' 4 JSPF 24 holes 03/13/07 4472-4478' 4 JSPF 24 holes 4894-4902 5128-5133' F 5158-5166' 5631-5639 NEWFIELD Sug Federal 16-8-9-16 PBTD @ 6065' 418' FSL & 629' FEL TD @ 6125' SE/SE Section 8-T9S-R16E Duchesne Co, Utah

API #43-013-33061; Lease #UTU-64379

LCN 11/19/13



West Point 14-8-9-16

Spud Date: 12/13/2001 Put on Production: 1/15/2002 GL: 5959' KB: 5969'

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 8 jts. (310.63') DEPTH LANDED: 318.63' HOLE SIZE: 12-1/4" CEMENT DATA: 150 sxs Class "G" cmt, est 2 bbls cmt to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 142 jts. (5957.29") DEPTH LANDED: 5954.79" HOLE SIZE: 7-7/8" CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP AT: 1100" per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 145 jts (4719') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4729' KB ON/OFF TOOL AT: 4730.1' ARROW #1 PACKER CE AT: 4735.3' XO 2-3/8 x 2-7/8 J-55 AT: 4738.9' TBG PUP 2-3/8 J-55 AT: 4739.4' X/N NIPPLE AT: 4743.5' TOTAL STRING LENGTH: EOT @ 4745.35'



West Point 14-8-9-16 809' FSL & 1999' FWL SESW Section 8-T9S-R16E Duchesne Co, Utah API #43-013-32288; Lease #UTU-74390

Injec	tion Dia		bc	ore	
				N	

Initial Production:78 BOPD, 90 MCFD, 10 BWPD

1/10/02	5707'-5745'	Frac CP-3 sand as follows:
		26,000# 20/40 sand in 297 bbls Viking I-25 fluid. Treated @ avg press of 1850 psi w/avg rate of 25 BPM. ISIP 1980 psi. Cale. flush: 5707 gal., Act. flush: 5628 gal.
1/10/02	5228'-5319'	Frac A-3 sand as follows:
		60,000# 20/40 sand in 483 bbls Viking I-25 fluid. Treated @ avg press of 2300 psi w/avg rate of 25 BPM. ISIP 2085 psi. Cale. flush: 5228 gal., Act. flush: 5166 gal.
1/10/02	4804'-4818'	Frac D-1 sand as follows:
		60,680# 20/40 sand in 486 bbls Viking I-25 fluid. Treated@avg press of 1775 psi w/avg rate of 25 BPM. ISIP 2060 psi. Cale. flush: 4804 gal., Act. flush: 4707 gal.
07/11/06		Pump Change. Update rod and tubing details.
3/25/11		Pump Change. Updated rod & tubing details.
8/12/11		Pump Change . Updated rod & tubing details.
09/19/13		Convert to Injection Well
09/24/13		Conversion MIT Finalized – update the detail

SN @ 4729'
On Off Tool @ 4730'
Packer (a) 4735'

X/N Nipple @ 4743' EOT @ 4745'

4804'-4818'

5228'-5243'

5313'-5319'

5705'-5712' 5717'-5720' 5742'-5745'

PERFO	RATION RE	CORD	
1/08/02	5742'-5745'	4 JSPF	12 holes
1/08/02	5717'-5720'	4 JSPF	12 holes
1/08/02	5705'-5712'	4 JSPF	20 holes
1/10/02	5313'-5319'	4 JSPF	24 holes
1/10/02	5228'-5243'	4 JSPF	60 holes
1/10/02	4804'-4818'	4 JSPF	56 holes

PBTD @ 5935' TD @ 5949'

LCN 09/25/13	
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West Point #3-17-9-16

Spud Date: 11/12/2001 Put on Production: 7/16/02 GL: 5995' KB: 6005'	2	ion Wellbore Diagram				Production: CFD, 27 BV		°D,
SURFACE CASING			FRAC J	ЮВ				
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 8 jts. (290.19') DEPTH LANDED: 300.04' KB				5180'-5386'	59,983 fluid. rate of sand in Calc fl	A3/LODC sand 7# 20/40 sand in Treated @ avg 1 6 26.2 BPM. Scr n formation and hush: 5180 gal. 2 000 psi.	a 468 bbls press of 22 reened out 5,600# sa	Viking I-25 275 psi w/avg w/ 54,387# and in casing.
HOLE SIZE:12-1/4" CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt :	to surf.		7/12/02	4896`-5052`	Frac 59,380 fluid. rate of	C/ B2 sands as f 5# 20/40 sand ir Treated @ avg j f 28 BPM, ISIP gal. Actual flush	a 479 bbls press of 16 1980 psi.	550 psi w/avg Calc flush:
PRODUCTION CASING	Cement Top @ 360'		7/12/02	4752'-4832'	92,110 fluid. rate of	D1/D2 sands as 6# 20/40 sand ir Treated @ avg f 28 BPM. ISIP gal. Actual flush	a 656 bbls press of 17 2130 psi.	790 psi w/avg Calc flush:
CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#			7/12/02	4496'-4504'	Frac 1 25,900 fluid. rate of	PB10 sands as 0# 20/40 sand ir Treated @ avg j f 25.5 BPM. ISI gal. Actual flush	follows: a 271 bbls press of 25 P 2100 ps	Viking 1-25 525 psi w/avg i. Calc flush:
LENGTH: 133 jts. (5924.13') DEPTH LANDED: 5921.73' KB HOLE SIZE: 7-7/8" CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs	50/50 POZ.		7/12/02	4240'-4312'	Frac 60,850 fluid. rate of	GB4/GB6 sand 6# 20/40 sand ir Treated @ avg j f 25.5 BPM. ISI gal. Actual flush	s as follow 1 462 bbls press of 17 IP 1950 ps	vs: Viking I-25 775 psi w/avg i. Calc flush:
CEMENT TOP AT: 360' per CBL	11		2/28/05			tion Conversion	-	
			6/3/06		Well	Recompleted.		
TUBING SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 128 jts (4137.93') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4147.97' KB PACKER AT: 4147.93' TOTAL STRING LENGTH: EOT @ 4156.38' KB	SN@ 4147'	Packer at 4147						
	V-W-W-W-WAAA	4240'-4248' (4293'-4312' (4496'-4504' F 4752'-4757' I	3B6 B10					
		4767'-4773' I						
	Ę	4814'-4832' [02			ATION REC		
		4896'-4909' (5383'-5386' 5264'-5270'		
	NAM	5031'-5035' B 5038'-5042' E			7/09/09	5198'-5204'	4 JSPF	24 holes
	R	5046'-5052' E			7/09/09 7/09/09	5187'-5192' 5180'-5183'	4 JSPF 4 JSPF	20 holes 12 holes
		5180'-5183' A	.3		7/12/09	5046'-5052'	4 JSPF	24 holes
	MHM-M-M-MMM	5187'-5192' A			7/12/09 7/12/09	5038'-5042' 5031'-5035'	4 JSPF 4 JSPF	16 holes 16 holes
	A A A	5198'-5204' A			7/12/09	4896'-4909'	4 JSPF 4 JSPF	52 holes
	- f	5264'-5270' L	ODC		7/12/09	4814'-4832'	4 JSPF	72 holes
	No.	5383'-5386' I	.ODC		7/12/09 7/12/09 7/12/09 7/12/09	4767'-4773' 4752'-4757' 4496'-4504' 4293'-4312'	4 JSPF 4 JSPF 4 JSPF 4 JSPF	24 holes 20 holes 32 holes 76 holes
		Top of Fill @ 57	90'		7/12/09	4240'-4248'		32 holes
		PBTD @ 5880'						
West Point #3-17-9-16 522' FNL & 2053' FWL NENW Section 17-T9S-R16E	Z	SHOE @ 5922' TD @ 5951'						
Duchesne Co, Utah API #43-013-32278; Lease #UTU-74390								

ATTACHMENT E-10

West Point 6-17-9-16

Spud Date: 4/11/02 Put on Production: 8/12/02 GL: 6005' KB: 6015'

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7jts (298.85') DEPTH LANDED: 306.85' HOLE SIZE: 12-1/4" CEMENT DATA: 150 sxs Class "G" cmt, circ 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 131jts (5853.63") DEPTH LANDED: 5851.23" HOLE SIZE: 7-7/8" CEMENT DATA: 275 sxs Premiite II & 450 sxs 50/50 POZ. CEMENT TOP AT: 610" per CBL 8/5/02

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 128 jts (4148.2') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4158.2' KB ON/OFF TOOL AT: 4159.3' ARROW #1 PACKER CE AT: 4164.5' XO 2-3/8 x 2-7/8 J-55 AT: 4168.2' TBG PUP 2-3/8 J-55 AT: 4168.7' X/N NIPPLE AT: 4172.8' TOTAL STRING LENGTH: EOT @ 4174.4'

NEWFIELD

West Point 6-17-9-16 1984' FNL & 2050' FWL SE NW Section 17-T9S-R16E Duchesne Co, Utah API #43-013-32283; Lease #UTU-74390

Injection	Wellbore
Diag	gram

TOC @ 610'

Initial Production: 52 BOPD, 52 MCFD, 14 BWPD

FRAC .	JOB	
8/05/02	5233'-5386'	Frac LODC sand as follows: 199,413# 20/40 sand in 859 bbls Viking I-25 fluid. Treated @ avg press of 1657 psi w/avg rate of 25.5 BPM. ISIP 2250 psi. Calc flush: 5233 gal. Actual flush: 5166 gal.
8/05/02	4890'-5114'	Frac B!, A1, A3 sands as follows: 65,332# 20/40 sand in 280 bbls Viking I-25 fluid. Treated @ avg press of 1876 psi w/avg rate of 26.1 BPM. ISIP 2140 psi. Calc flush: 4890 gal. Actual flush: 4809 gal.
8/05/02	4614'-4707'	Frac D1, DS2 sands as follows: 43,479# 20/40 sand in 210 bbls Viking I-25 fluid. Treated @ avg press of 2458 psi w/avg rate of 22.4 BPM. ISIP 1940 psi. Calc flush: 4614 gal. Actual flush: 4536 gal.
8/06/02	4234'-4442'	Frac GB6, PB10 sands as follows: 49,565# 20/40 sand in 228 bbls Viking I-25 fluid. Treated @ avg press of 2234 psi w/avg rate of 24.5 BPM. ISIP 2150 psi. Calc flush: 4234 gal. Actual flush: 4116 gal.
10/7/02		Pump change. Update rod details.
8/24/04		Parted Rods. Update rod details.
07/07/05		Parted Rods. Update rod and tubing details
10/25/13		Convert to Injection Well
10/30/13		Conversion MIT Finalized – update tbg detail

SN @ 4158' On Off Tool @ 4159'

Packer @ 4164' X/N Nipple @ 4173' EOT @ 4174'

4434'-4442'

4614'-4624' 4693'-4696' 4704'-4707' 4890'-4903'

5067'-5073' 5107'-5114' 5233'-5325' 5332'-5340' 5348'-5364'

5372'-5386'

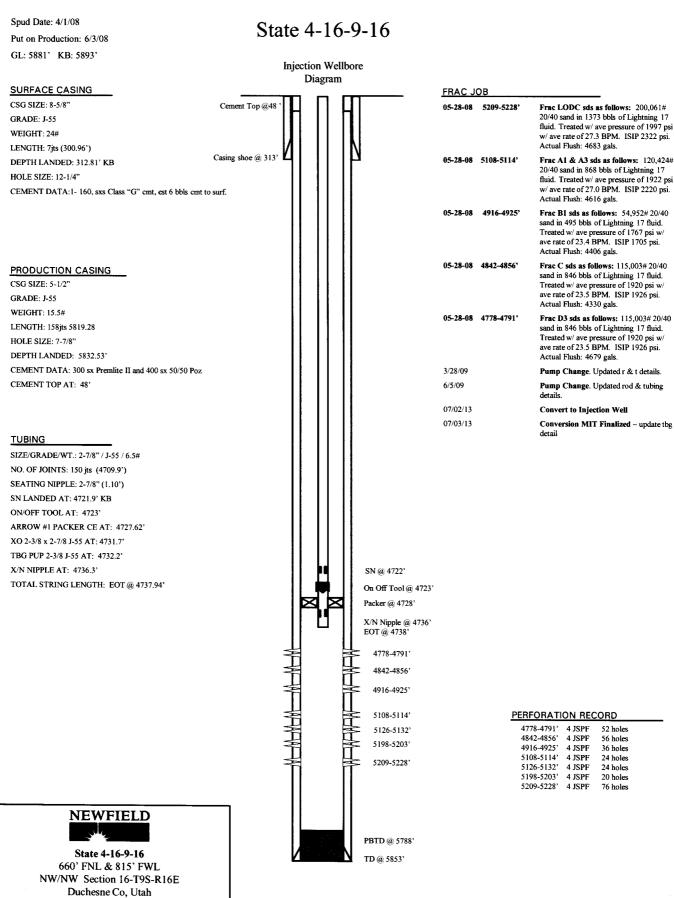
4234'-4251'

PERFO	RATION RE	CORD	
8/02/02	5372'-5386'	2 JSPF	28 holes
8/02/02	5348'-5364'	2 JSPF	32 holes
8/02/02	5332'-5340'	2 JSPF	16 holes
8/02/02	5233'-5325'	2 JSPF	184 holes
8/05/02	5107'-5114'	4 JSPF	28 holes
8/05/02	5067'-5073'	4 JSPF	24 holes
8/05/02	4890'-4903'	4 JSPF	52 holes
8/05/02	4704'-4707'	4 JSPF	12 holes
8/05/02	4693'-4696'	4 JSPF	12 holes
8/05/02	4614'-4624'	4 JSPF	40 holes
8/06/02	4434'-4442'	4 JSPF	32 holes
8/06/02	4234'-4251'	4 JSPF	68 holes

PBTD @ 5825' TD @ 5853'

Ľ

LCN 10/31/13

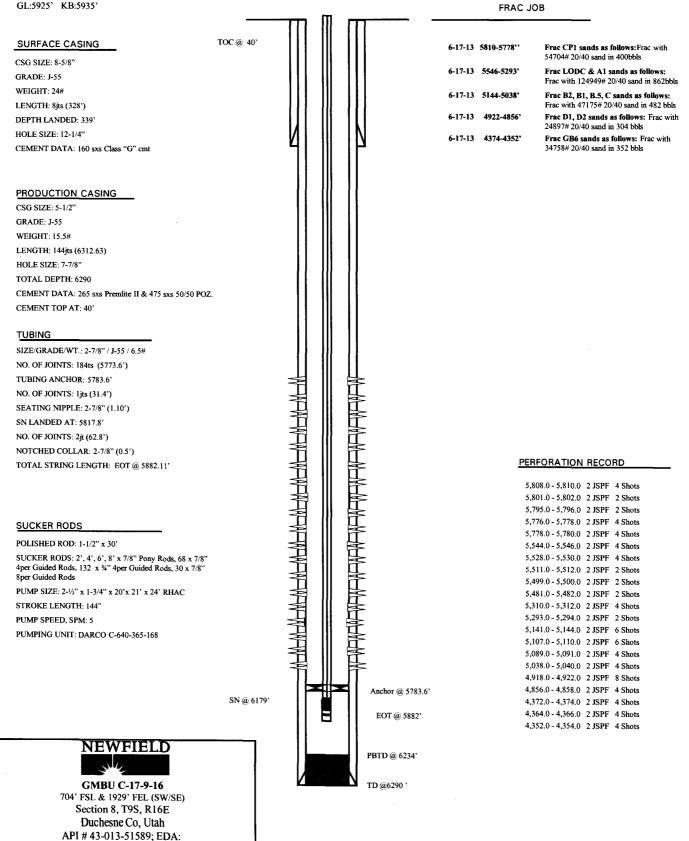


API #43-013-33848; Lease #Utah State ML-16532

GMBU C-17-9-16

Spud Date: 5-9-2013 Put on Production: 6-21-2013 GL:5925' KB:5935'

Wellbore Diagram



GMBU D-17-9-16

Spud Date: 11/17/2011 PWOP: 01/24/2012 GL: 5984' KB: 5997'

API #43-013-50701; Lease # UTU-74390

Wellbore Diagram

		, m			FRAC JO	B	
SURFACE CASING		[[[]			01/12/2012	5273-529	4' Frac A1, sands as follows: Frac with 65477# 20/40 white sand in 519 bb
CSG SIZE: 8-5/8"							lightning 17 fluid; 699 bbls total fluid to
GRADE: J-55							recover.
WEIGHT: 24#					01/14/2012	4854-492	7' Frac D1 & D2, sands as follows: Frac with 130430# 20/40 white sand in
LENGTH: 7 jts. (317.6')							1025 bbls lightning 17 fluid; 1141 bbls total
DEPTH LANDED: 330.92' KB							fluid to recover.
HOLE SIZE: 12-1/4"					01/14/2012	4318-439	
CEMENT DATA: 160 sxs Class "G" cmt	И		IN				Frac with 62853# 20/40 white sand in \$10 bbls lightning 17 fluid; 612 bbls total
	4						fluid to recover.
PRODUCTION CASING							
CSG SIZE: 5-1/2"	「「「「「」」	ןן ן	序	4318-4319'			
GRADE: J-55	幸	1 II	厗	4322-4323'			
WEIGHT: 15.5#							
LENGTH: 155 jts. (6296.11') Shoe Joint (41.83')	\$	₹	摔	4382-4383'			
HOLE SIZE: 7-7/8"	*	₹	客	4387-4389'			
DEPTH LANDED: 6314.72' KB	\$	╡	1	4392-4393'			
CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.							
CEMENT TOP AT: 200'							
	Ę			4854-4855'			
TUBING	Ś	∄ ∭	吾	4859.5-4860.5'			
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#	Ĩ	1	F	4864.5-4865.5'			
NO. OF JOINTS: 168 jts. (5245.1')	불	. ∥	ЦŁ.	4907-4908'			
TUBING ANCHOR: 5258.1' KB	Ţ]	I	4913-4914'			PERFORATION RECORD
NO. OF JOINTS: 1 jt. (31.4')	그]	U,	4926-4927'			5292-5294' 3 JSPF 6 holes 5284.5-5285.5' 3 JSPF 3 holes
SEATING NIPPLE: 2-7/8" (1.1')	Ĩ	1	T	4920-4927			5279-5280' 3 JSPF 3 holes
SN LANDED AT: 5292.3' KB							5273-5275' 3 JSPF 6 holes 4926-4927' 3 JSPF 3 holes
NO. OF JOINTS: 2 jts. (62.7')							4913-4914' 3 JSPF 3 holes
NOTCHED COLLAR: 5356.0' KB		┶╢		Anchor @ 5258	,		4907-4908' 3 JSPF 3 holes 4864.5-4865.5' 3 JSPF 3 holes
TOTAL STRING LENGTH: EOT @ 5356'				0			4859.5-4860.5' 3 JSPF 3 holes
	Ⅎ	╡	H	5273-5275'			4854-4855' 3 JSPF 3 holes 4392-4393' 3 JSPF 3 holes
	붛	3	E A	5279-5280'			4387-4389' 3 JSPF 3 holes
	WHWHW	=	¥	5284.5-5285.5'			4382-4383' 3 JSPF 3 holes 4322-4323' 3 JSPF 3 holes
SUCKER RODS	₹	₹	Ì≱	5292-5294'			4322-4323' 3 JSPF 3 holes 4318-4319' 3 JSPF 3 holes
POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod							
SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 66 - 7/8" 4per Guided Rods (1650'), 138 - ¹ / ₄ " 4per Guided Rods (3450'), 5 - 1 ¹ / ₄ " Sinker Bars (125'), 5 - 1" Guided Rods (20')	r						
PUMP SIZE: 2 ½" x 1 ¾" x 20' x 21' x 24' RHAC			11				
STROKE LENGTH: 144"							
PUMP SPEED: 5 SPM							
I DE CLED. J SEM							
				EOT @ 5356'			
NEWFIELD				PBTD @ 6270'			
GMBU D-17-9-16	k	4	N	TD @ 6328'			
578'FSL & 791' FWL (SW/SW)							
Section 8, T9S, R16E							
Duchesne County, Utah API #43-013-50701; Lease # UTU-74390							

N	EV	٧F	IE	LD	(a Central E		chesne Co	unty, Utah							
	. Xa	11-2						Surf Lo	cation: SW/N			1,897' FNL &	863' FEL						Paul Lembck
	70									5985' GL	+ 10' KB								PFW 11/20/201
		~			8				APH: 4	3-013-51168	; Lease#: U1	TU-74390			_		Spud	Date: 10/*	3/2012; PoP Date: 1/31/201
울붙	Casing	Тор	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole	-	TD.	- П			
CASING	Surf	10'	322'	8-5/8"	24#	J-55	7.972*	2,950	1,370	8.097"	2.6749	STC	12.250	4					
_	Prod	10'	6,358'	5-1/2"	15.5#	J-55	4.825*	4,810	4,040	4.950"	0.9997	LTC	7.875	4			- 1		
F. C	Тор	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID		Packer/Hang		4		- 11		N	
TBG. Detail	10'	5,574'	8EUE	2-7/8*	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing And	hor Set @	5,476			- 11			8-5/8"Shoe @ 322.47'
		Component	<u> </u>	Тор	Bottom	Size	Grade	Length	Count		р	ump		1		- 11			
Y.	Polish Rod			0'	30'	JIL C	C(API)	30'	1	Insert Pump		x 1.75 Plunge	RHAC @	1	- 11	- 11			
DETAIL	4per Guided	Rod	1	30'	1,930	7/8"	Tenaris D78	1,900'	76	5,480'.						- 11			
ROD	Aper Guided			1,930'	4,780	3/4"	Tenaris D78	2,850	114	1						- 11	I		
	8per Guided	Rod		4,780	5,480'	7/8"	Tenaris D78	700'	28										
Stage	Тор	Bottom	SPF	Gun Size	Date				Frac S	ummery				1	- 11	- 11			
6	4,261'	4,262'	3	1'	1/16/2013	Formation:		GB6	GB4					1	- 11	- 11			
- 1	4,264	4,266	3	2'	1/16/2013	20/40 White:		98,879) lbs	15% HCI:) gals		- 11	- 11			
1	4,318'	4,320'	3	2'	1/16/2013	Pad:		1,701	gals	Treating Fle		22,071	9 gals						
	4,329'	4,331'	3	2'	1/16/2013	Flush:		4,271		Load to Rea	cover:	28,053		1					
	0.	0'	3	0'	•	ISIP=		0.880) psi/ft	Max STP:		3,51	5 psi	1					
	0'	0'	3	0'										°	- 11	- 11			
			_	0'		Famoliani		DD40	_	_					- 11				
5	4,548' 0'	4,552' 0'	3	4' 0'	1/16/2013	Formation: 20/40 White		PB10 24,194	l lbe	16% HCI:		25	2 gals			- 11			
	0'	0'	3	o.		Pad:	•) gals	Treating Fk	uid:		z yans Bigaks			- 11			
	0.	0'	3	0.	2	Flush:		-	5 gals	Load to Re		16,67	•			- 11			
	0'	0'	3	0'	22	ISIP=) psi/ft	Max STP:		2,84				- 11			
	0,	0'	3	0.											- 11	- 11			
	0,	0'	3	0'	+														
4	4,736'	4,738	3	2'	1/16/2013	Formation:		DS3	DS2										
	4,770'	4,774	3	4'	1/16/2013	20/40 White	:	104,344	l lbs	15% HCI:		25	2 gals		- 11				
	0'	0'	3	0'		Pad:			5 gals	Treating Fk		23,79	-						
	0'	0'	3	0'	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1	Flush: ISIP=			3 gals	Load to Re	cover:	29,98			- 11	- 11	c 1		
	0,	0'	3	0'		IGHF =		0.970) psi/ft	Max STP:		3,15	5 psi			- 11			
	0.	0 0'	3	0'												- 11			
3	4,822	4,824'	3	2	1/16/2013	Formation:		D1	_				_	-		- 11			
	4,831'	4,835	3	4	1/16/2013	20/40 White		46,416	3 lbs	15% HCI:		25	2 gals						
- 1	0'	0'	3	0'	2 C	Pad:			3 gals	Treating Fk	uid:		2 gais			- 11			
	0'	0.	3	0.	-	Flush:		5,082	2 gals	Load to Re	cover:		7 gais	1					
	0'	0'	3	0'	- 8	ISIP=		0.870) psi/ft	Max STP:		2,78	4 psi	1					
	0'	0'	3	O,	2)									1					
_	0.	0'	3	0'	1 0														
2	5,103'	5,104'	3	1	1/16/2013	Formation:		A1	82					1					
	5,136'	5,138'	3	2'	-	20/40 White	•	74,737		15% HCI:			2 gals						
	5,223'	5,227	3	4'	1/16/2013	Pad:			7 gals	Treating Flo			0 gals	1					
	0,	0' 0'	3	0'		Flush: ISIP=) gals	Load to Re Max STP:	COVER		7 gals 2 pai	1					
	0	0	3	0'		_		0 681) psi/ft	- 10 A		3,94	2 psi	1					
	o,	0.	3	0'										1	11		-		
1	5,461'	5,462'	3	1	1/9/2013	Formation:		LODC						4					
	5,463	5,464	3	1	1/9/2013	20/40 White	:	139,958	B lbs	16% HCI:		25	2 gals	1		E			
	5,490'	5,492'	3	2'	1/9/2013	Pad:			3 gals	Treating Fl	uid:		2 gals 9 gals	1					5-1/2"Shoe @ 6357.8'
	5,513	5,516	3	3'	1/9/2013	Flush:			t gals	Load to Re			5 gals	1					PBTD @ 6311'
	0'	0'	3	0'		ISIP=			D psi/ft	Max STP:			7 psi	1		-	-		TVD @ 6230'
	0'	0'	3	0'										1	N		522.		BHST = 170"F
	0'	0'	3	0'	_ × _										2	-		11	sowcaswosa DVWI.DM
IN	Surf	On 10/13/1	2 Baker ceme	nted 8 5/8" ca	sing w/ 160 s	ks Class "G" -	+ 2% KCI + 0	25#/sk Cello	Flake at 15.8	ppg w/ 1.17	yield and retu	umed 5 bbls to	the pit						
CEMENT	.	7.9	_					_				-	5				_		
ΰ	Prod	On 11/3/12	Baker pumpe	d 240 sks lea	d @ 11 ppg w	/3.53 yield pl	us 470 skus ta	uil @ 14.4 ppç	g w/ 1.24 yiek	Returned 20	0 bbls to the p	pit. TOC @ Se	urface.						

NEWF					Schematic	ATTACI	MENT E-15
Well Nam		IBU H-17-9	9-16	API/UWI	Well RC	Lease State/Province	Field Name County
SENW 1944 Spud Date	FNL 2044		7 T9S R16E I Production Date		15730000 500335149 Ground Elevation (ft)	UTU74390 Utah Total Depth All (TVD) (ftKB)	GMBU CTB3 Duchesne
8/17/2013	9/6/20		/4/2013	6,016	6,006	Original Hole - 6,153.0	Original Hole - 6,281.0
Most Recent	t Job	De	nary Job Type	Cocenter	у Јор Туре	Job Start Date	Job End Date
Initial Comple	etion		acture Treatn		у зов туре	9/10/2013	10/4/2013
TD: 6,312	.0			Slant - Origir	nal Hole, 6/3/2014 7:14	:25 AM	
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS		Vert	ical schematic (actual)	
9.8	9.8	0.0	DLS (° 0 —— 5				2 441 10-11 0 90
11.5	11,5	0.0			TH.		
16,1	16 1	0.0					10.47.0VD 7.00.0
18.0	18.0	0.0				-1; Conductor; 14 in; 13.500) in; 10-17 ftKB; 7.00 ft
50,9	50.9	0.1					
256.9	256.9	0.5					
298.6	298 5	0,6				0.0.4	- 40 000 AVE 000 11 5
306.1	306 1	0,6				2; Surface; 8 5/8 in; 8.097	in; 12-300 ftKB; 288.41 ft
4,259,8	4,164.8	13,5	Ŧ			— 1-2; Tubing; 2 7/8; 2 441; 1	1-5,962; 5,950.90
4,299,9	4,203 7	13.8		3000		— Perforated; 4,300-4,301; 9/	13/2013
4,307.1	4,210.7	13.8		Diets -	2093×	— Perforated; 4,307-4,309; 9/	
4,392.1	4,293 3	13.4	12	10000 -	6855	Perforated; 4,392-4,395; 9/	
4,470.1	4,369 3	13.2	Λ			,, , ,,, ,,, ,,, ,,,	
5,142,1	5,019 8	14.1	*	North Control of Contr	-		13/2013
5,159.1	5,036 4	14.0	1	20000-	- FAUSICE - FAUSICE	Perforated; 5,159-5,163; 9/	
5,222.1	5,097.5	14.0	\mathbf{A}	888			10/2010
5,242.1	5,117.0	13.7	17				
5,390.1	5,260 9	13.7	\rangle	(6090	- 44093	— Perforated; 5,389-5,390; 9/	(13/2013
5,485.9	5,353.9	14.1	$\langle \rangle$	108000			
5,494.1	5,361.9	14.4	λ	39809 35016	- 4593 - 7695	— Perforated; 5,493-5,494; 9/	/13/2013
5,508.9	5,376,1	14.9		92004	4993		(13/2013
5,521.0	5,387,9	15,3		DEBA -	5/8/2	— Perforated; 5,519-5,521; 9/	(13/2013
5,535,1	5,401 5	15.6		1900	- MIZAG	— Perforated; 5,534-5,535; 9/	
5,542.0	5,408 1	15.6		9000	- 43945	— Perforated; 5,541-5,542; 9/	13/2013
5,549,9	5,415 7	15,7		258KA -		— Perforated; 5,548-5,550; 9/	/13/2013
5,622.0	5,485.2	15,6	5				
5,810.0	5,667 0	14.2		9200	- PR0555	— Perforated; 5,808-5,810; 9/	
5,828_1	5,684 4	14.5		89992	- 19565	— Perforated; 5,827-5,828; 9/	
5,833.0	5,689 2	14.6	5	(6868) (7858)	6305	— Perforated; 5,831-5,833; 9/	/10/2013
5,964_6	5,816 5	14.5	\langle			-Perforated; 5,969-5,973; 9/	
5,972_1	5,823 8	14.6				-1-4; Tubing; 2 7/8; 2.441; 5	
5,996.1	5,847 0	14.8				1-5; Pump Seating Nipple; -1-6; Tubing; 2 7/8; 2.441; 5	
6,028,5	5,878 4	15,1				-1-7; Tubing Pup Joint; 2 7/	8; 2.441; 6,028-6,033; 4.20
6,049,9	5,899.0	15.3				-1-8; Desander; 3 1/2; 6,033 -1-9; Tubing; 2 7/8; 2.441; 6	6,050-6,144; 94.33
6,145.0	5,990.7	15.3	\sim				,145; 0.70
6,280.8	6,122,5	12.0			······		
6,303.1	6,144.4	11.1			· · · · · · · · · · · · · · · · · · ·	2: Production: 5 4/0 in 4 0	50 in: 10 6 201 BVD. 6 201 01 6
6,312.0	6,153.0	10.7	1			13, Production; 5 1/2 in; 4.9	50 in; 10-6,304 ftKB; 6,294.04 ft
www.newf	ield.com				Page 1/1		Report Printed: 6/3/2014

NEWF		IBU J-17-	9-16		S	Schema	tic	A	TTACH	MENT E-16
Surface Legal Lo	cation				API/UWI	Well R		Lease	State/Province	Field Name County
SWNW 2100 Spud Date	on a constant of the second		6 T9S R16E M n Production Date	er SLB Original KB Elevatior		round Elevation		UTU64379 Total Depth All (TVI	Utah	GMBU CTB3 Duchesne PBTD (All) (fitKB)
11/6/2013	11/27	/2013		5,931	5	921		Original Hole -	6,130.2	Original Hole - 6,319.6
Job Category	t Job	P	rimary Job Type	1	Secondary Jo	ор Туре		Job Start Date		Job End Date
Initial Compl		F	racture Treatm	ent	P&P			12/1	7/2013	1/3/2014
TD: 6,354				Slant	- Original	Hole, 6/3/2	014 7:16:	52 AM		
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS				Verti	cal schematic (a	actual)	
2.0	2.3	2.6	DLS (° 0 <u> </u>			ï				
10.8	11.1	2.6	ľ		ŢP			—1-1; Tubing H	langer; 2 7/8;	2.441; 10-11; 0.80
14.1	14.4	2.6			1	F				
32.2	32 4	2.6						1; Conductor	; 14 in; 13.500) in; 10-17 ftKB; 7.00 ft
54.8	55 0	2.6								
278.9	278 9	2.6								
318,9	318.9	2,6						2; Surface; 8	5/8 in; 8.097 i	in; 10-319 ftKB; 308.95 ft
1,860.9	1,839.9	16.1	1		100		-			1-5,976; 5,965.18
4,200.1	4,057.9	19.4	ζ	9799 9999	9 1	- ×68	•	— Perforated; 4		
4,319.9	4,171.2	17.9		17300 2620	- 1 11			-Perforated; 4		
4,398_0	4,245 7	17.1		93698 76384	• 🔺	×	-		,396-4,398; 12	
4,401.9	4,249 5	17.0		2000 2000		16666	.•		,400-4,402; 12	
4,946.9	4,773.2	16.3		9500 3970		- 4935			,946-4,947; 12	
5,003.0	4,827.0	16.3			**	10000			,001-5,003; 12 ,046-5,049; 12	
5,048.9	4,871_1	16.2						-Fenolated, 5	,040-5,049, 12	2/19/2013
5,174.9	4,992.2	15.6		5000 3000 3000			•	-Perforated; 5	,175-5,176; 12	2/19/2013
5,180.1	4,997_3	15.6		5500 1880	2.	- 65552 - 65552	•	— Perforated; 5	,180-5,181; 12	2/19/2013
5,306.1	5,118,7	15.6		0200 9300	** ////			-Perforated; 5	,306-5,308; 12	2/19/2013
5,314.0	5,126 3	15.8		5500 (550	8 1	19955		— Perforated; 5	,314-5,316; 12	2/19/2013
5,332.0 5,430.1	5,143.6 5,237.9	16.1 15.6		5200 1939		19858		— Perforated; 5	,332-5,334; 12	2/19/2013
5,830.1	5,624 2	15.0	3	(350) (350)	5 T	12055	-		,430-5,434; 12	
5,919,9	5,710.8	15.7	>	(188) (1999		- ×6055	-	— Perforated; 5	,830-5,831; 12	2/17/2013
5,940.0	5,730 0	15.7		9969 (200	se / l	- 78885 - 28593			,920-5,921; 12	
5,976.0	5,764 8	15.7		970 1988			-	-Perforated; 5	Los apar poster a tra	
5,982.0	5,770,5	15.8					_			2.441; 5,976-5,979; 2.80
5,985.9	5,774.3	15.9					_		,982-5,984; 12 2 7/8: 2 441: 5	
5,996,1	5,784.0	16.0		923 1927		and the second second			2 778; 2,441; 5 ,994-5,996; 12	6,979-6,010; 31,65 2/17/2013
6,010.5	5,797,9	16.3						-1-5. Dumn C	aating Nicole	2 7/8- 2 250- 6 010 6 012- 4 40
6,076,1	5,860.9	16.3						— 1-6; Tubing; 2	2 7/8; 2.441; 6	2 7/8; 2.250; 6,010-6,012; 1.10 5,012-6,076; 64.57
6,319.6	6,096 6	12.7	$\left \right\rangle$	~~~~~			~~~~~	-1-7; Notched	collar; 2 7/8; (6,076-6,077; 0.50
6,343.8	6,120 3	12,7	/							
6,354.0	6,130 2	12.7	/			900 900	_	-3; Production	i; 5 1/2 in; 4.9	50 in; 10-6,345 ftKB; 6,334.59 ft
www.newf	ield.com					Page 1/	4			Report Printed: 6/3/201

NEWF			0			Sche	ematic	AT	ТАСН	MENT E-17
Surface Legal Loc		bu R-8-9-1	6		API/UWI		Well RC	Lease	State/Province	Field Name County
08-9S-16E Spud Date			roduction Date	Original KB Elevation			500334814 evation (ft)	Total Depth All (TVD)	Utah (ftKB)	GMBU CTB3 DUCHESNE PBTD (All) (ftKB)
5/9/2013	5/27/2	013 6/1	4/2013		_	-				Original Hole - 6,387.6
Most Recent Job Category	Job	Prima	ary Job Type		Secondar	y Job Type		Job Start Date		Job End Date
Production / \		Rep	airs		Pump I				2014	1/7/2014
TD: 6,421	.0 TVD T		<u>г т</u>	Vertica	al - Orig	inal Hole	, 6/3/2014 7:06	5:30 AM		
MD (ftKB)	(ftKB)	Incl (°)	DLS				Verti	cal schematic (a	ctual)	
9.8	98	0.0	DLS (° 0——5							
29,9	29.9	0.1				H				
44.0	44 0	0.2								
296.9	296 9	1.0								
338.9	338 9	1.2						1; Surface; 8 5	5/8 in; 8.097 in	; 10-339 ftKB; 328.99 ft
2,019.0	1,994.5	14.4	F					-1-1: Tubing: 2	7/8: 2 441 10	-5,942; 5,931,70
4,405.8	4,291,4	10.8	7	23250 23250			199936	— Perforated; 4,4	TO MARRIE DE LA PARTIE TO R. HOUSE	CARLEND COLLAR PORTATION OFFICE AND
4,428,1	4,313.3	11.0		95,950 29,955	-		- 200925 - 2009252	-Perforated; 4,4	426-4,428; 6/1	1/2013
				\$2550 \$25525			- 125525 - 125525	-Perforated; 4,4	432-4,436; 6/1	1/2013
4,436.0	4,321.0	11.2		20050A			199999	-Perforated; 4,4		
4,441.9	4,326.8	11.3		SEREN			1000			
4,444.9	4,329,7	11.4	5	100000 100000			14030	— Perforated; 4,4	444-4,445; 6/1	1/2013
4,921.9	4,793.6	15.6		88884 85856			10500	— Perforated; 4,9	919-4,922; 6/1	1/2013
5,091.9	4,957.2	15.5	$ \varsigma $	20000			8000	-Perforated; 5,	192-5 096 [,] 6/1	1/2013
5,180.1	5,042.2	16.0	15 1	33860			19999			
5,332.0	5,188.1	16.1	1	8880x 92920			19939		180-5,182; 6/1	
5,372.0	5,226 6	16.1		100800 100800			166555 126555	— Perforated; 5,3	332-5,334; 6/1	1/2013
			11	550400 1005408			109884 172888	— Perforated; 5,	372-5,374; 6/1	1/2013
5,375.0	5,229.4	16.1		100000			AND DECEMBER OF	-Perforated; 5,	375-5,377; 6/1	1/2013
5,379.9	5,234 1	16.1		2000a				— Perforated; 5,	380-5,382; 6/1	1/2013
5,815,0	5,654 7	12.8		92020 (20205			64568	— Perforated; 5,	815-5,816; 6/6	/2013
5,818.9	5,658.5	12.8	/	56350 56350			19988	— Perforated; 5,	819-5.820 [,] 6/6	/2013
5,828.1	5,667.5	12.8		26000 (60000			105655 105655		828-5,829; 6/6	
5,861.9	5,700.3	13.6		52003			1000			
5,870.1	5,708 3	13.9		2000a (2000a			104858	— Perforated; 5,		
				19303 196330				— Perforated; 5,	870-5,872; 6/6	/2013
5,941.6	5,777.7	14.1								.950; 5,942-5,944; 2.80 944-5,976; 31.40
5,969.2	5,804 5	14.3						15. 		
5,975.7	5,810 8	14.3		195925 196729		Q,	19888	Perforated; 5, 1-4; Seating N		.441; 5,976-5,977; 1.10
5,978.0	5,813,0	14.3		3550s 36505		0	199892 20093			
6,039.7	5,872 8	14.7							12	977-6,040; 62.90
6,387,5	6,208 8	13.5	4						collar, 2 7/8; 2.	441; 6,040-6,040; 0.50
6,410.8	6,231 4	13.0								
· ~		22 - 235 - 24						2; Production;	5 1/2 in; 4.950	0 in; 10-6,412 ftKB; 6,401.55 ft
6,420,9 www.newf	6,241.3	12.9		070424			44944			

NEWF Well Nam		IBU S-8-9	-16		Sc	hematic	AT	TACH	MENT E-18
Surface Legal Lo		FEL Sec 8	T9S R16E Me	er SLB	API/UWI 43013516880	Well RC 000 500346808	Lease UTU64379	State/Province Utah	Field Name County GMBU CTB5 Duchesne
Spud Date 10/30/2013		ease Date O	n Production Date			nd Elevation (ft)	Total Depth All (TVI Original Hole -	D) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,298.0
Most Recent		2013		10,000	0,00		Original Hole -	0,200.4	
Job Category Initial Comple			imary Job Type racture Treatn	pont	Secondary Job T	уре	Job Start Date	3/2013	Job End Date 12/12/2013
TD: 6,335		!				ole, 6/3/2014 7:07:		<i>1</i> 2013	12/12/2013
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	olan			ical schematic (a	actual)	
9.8	10.0	1.9	DLS (° 0——4			CARLON RUNNING AND	4 4 Toback	langer 0 7/9	2.441; 10-11; 0.90
12.5	12.6	1.9				ET.	— 1-1, Tubing F	langer, 2 7/0,	2.441, 10-11, 0.90
17.1	17.2	1.9					1; Conductor	14 in; 13.50	0 in; 10-17 ftKB; 7.00 ft
30.2	30 3	1.9							
52.5	52 6	1.9							
265.1	265 1	1.9					0.0.1	EIQ 1. 0.007	- 40 204 8/25 204 65 6
304.1 1,884.2	304 1 1,862 1	1.9 13.8	7				2; Sunace; 8	5/8 in; 8.097	in; 10-304 ftKB; 294.02 ft
3,585.6	3,513.9	15.3	I.		A		— 1-2; Tubing; 2	2 7/8; 2.441;	11-5,774; 5,763.11
4,319.9	4,227 6	11.8	*	2009 2009 2009		00000 	— Perforated; 4	,318-4,320; 1	2/4/2013
4,388,1	4,294.4	11.9	/	26200 26200 9200		- 2588	— Perforated; 4	,386-4,388; 1	2/4/2013
4,401,9	4,307.9	12.0	1	50204 55204		10000	— Perforated; 4	,400-4,402; 1	2/4/2013
4,749.0	4,648.1	11.8	\mathbf{Y}	(2030) (2537		- 45555 - 76555	— Perforated; 4	,747-4,749; 1	2/4/2013
4,775,9	4,674.5	11.9	/	1990 1929		- 64051 - 19852	Perforated; 4		
4,788.1	4,686 3	12.0	4	9000 3000 9300	× (1)	4395 8392 4055	Perforated; 4 Perforated; 4		
4,982.9	4,877.0	11.7	2				— Fellolated, 4	,901-4,903, 1	2/4/2013
5,100.1 5,131.9	4,991.8 5,023.0	11.5 12.0		2924 7557		88523	-Perforated; 5	,100-5,104; 1	2/4/2013
5,314.0	5,201 5	11.1		50500 (5050		- 165032 - 16652	Perforated; 5		
5,326_1	5,213.4	11.2		1980 		- 49352	Perforated; 5		
5,425.9	5,311.2	11.5).	1990 1990			Perforated; 5		
5,467.8	5,352.3	11.4		2000 2000 1000			— Perforated; 5 — Perforated; 5		
5,476,0	5,360 4	11.3		9880 10160		- 1988) - 1988	-Perforated; 5	· · ··································	
5,482,9	5,367_1	11.3	$ \langle $	2000 3780		19988) 19988	-Perforated; 5	,483-5,485; 1	2/4/2013
5,517.1	5,400 6	11.6		2000 2004		19783) 144532 -	Perforated; 5	,517-5,519; 1	2/4/2013
5,737,9	5,616.9	11.2	7	2000 3000 3000			-Perforated; 5		
5,773.6 5,789.0	5,651.9	11.7 11.9					Perforated; 5	,789-5,791; 1	
5,789.0	5,686.9	12.2		1999 1999					5,777-5,809; 32.93 ; 2 7/8; 2.250; 5,809-5,811; 1.10
5,843.5	5,720 3	12.5			-BB	5000 5000 5000	-1-6; Tubing; :	2 7/8; 2.441;	5,811-5,843; 32.94 /8; 2.441; 5,843-5,848; 4.13
5,864,8	5,741_1	12,7	l		114		-1-8; Desande	er; 3 1/2; 2.44	1; 5,848-5,865; 17,33 5,865-5,964; 98,83
5,964,6	5,838.2	13.3	4	~~~~~		-			4-5,965; 0.80
6,299.5	6,165 6	11.0				- I			
6,322,2	6,187 8	11.0	/		8		-3; Production	; 5 1/2 in; 4.9	950 in; 10-6,322 ftKB; 6,312.11 ft
www.newf	ield.com	I	I			Page 1/1			Report Printed: 6/3/2014

Viel Name: CMBU 754-5415 NESE 212 FSL: Set 64 FFL: Set 156 FHE: Mer SL: MMUM Viel RC Under String Unde	NEWF					Sch	nematic	ATT	ACHI	ENT E-19
NESE 2112 F3L. 004 FEL. See as TOS R162 Mer. SLB. Care of Reward Int Stable Rewa			IBU T-8-9	9-16			¥1			
Space Participation On-Production bits Draw tablement it Draw tab			EL Sec 8 1	19S R16E Mer						
Most Reserved Description Practice Treatment Description Secondary site Type Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	Spud Date	Rig Rele	ease Date		Original KB Elevation (ft)) Ground	Elevation (ft)	Total Depth All (TVD) (1	ftKB)	
Spectagy India Completion Partney tab (see (REB) Parentary tab (see (REB) Design (table (REB) Design (table (table)) Design (table) Design (table) <thdesign (tabl<="" td=""><td></td><td></td><td>/14]</td><td></td><td>15,900</td><td>10,090</td><td></td><td></td><td></td><td></td></thdesign>			/14]		15,900	10,090				
TD: 6,352.0 Slant - Original Hole, 6/3/2014 7:08:09 AM MD (MKB) (MD) DLS Vertical schematic (actual) 0.0 0.0 DLS ("") Vertical schematic (actual) 0.1 0.1 DLS ("") Image: constraint of the schematic (actual) 0.1 0.1 DLS ("") Image: constraint of the schematic (actual) 1.1 1.1 0.1 Image: constraint of the schematic (actual) 1.1 0.1 Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 0.1 Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) 2.1 0.1 Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) 3.1 1.2 Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) Image: constraint of the schematic (actual) 3.1 1.2 Image: conschematic (actual) Image: conschema	Job Category)e			
MO (KR6) (KVD) Ind (Y) DLS Vertical schematic (actual) 00 0			[F	Fracture Treatn					014	2/3/2014
MD (HKB) (HKB) Incl (*) DLS Vertical schematic (actual) 0.c 00 0.LS (* 0.LS (* 0.LS (* 0.LS (* 10.2 10.2 10.2 0.LS (* 0.LS (* 0.LS (* 11.1 12.1 12.1 10.1 1.1 <td>FD: 6,352</td> <td></td> <td></td> <td></td> <td>Slant - (</td> <td>Original Hol</td> <td>e, 6/3/2014 7:08</td> <td>:09 AM</td> <td></td> <td></td>	FD: 6,352				Slant - (Original Hol	e, 6/3/2014 7:08	:09 AM		
0.3 0.3 0.3 0.3 0.3 0.3 102 0.2 0.0 0.1 1.1: Tubing Hanger: 7: 10-11: 0.90 12.1 12: 0.1 1.1: Tubing Hanger: 7: 10-11: 0.90 15.1 13: 0.1 1.1: Tubing Hanger: 7: 10-11: 0.90 15.1 13: 0.1 1.1: Tubing Hanger: 7: 10-11: 0.90 15.1 13: 0.1 1.1: Tubing Hanger: 7: 10-11: 0.90 15.1 13: 0.1 1.1: Tubing Hanger: 7: 10-11: 0.90 14.8 14: 1.2: Tubing Hanger: 7: 10-11: 0.90 Tubing Hanger: 7: 10-11: 0.90 14.8 14: 1.2: Tubing Hanger: 7: 10-11: 0.90 Tubing Hanger: 7: 10-11: 0.90 14: 14: 1.2: Tubing Hanger: 7: 10-11: 0.90 Tubing Hanger: 7: 10-11: 0.90 14: 14: 14: 14: 14: 14: 14: 38: 14: 14: 14: 14: 14: 14: 14: 12: 12: 12: 14: 14: 14: 14: 12: 14:	MD (ftKB)		Incl (°)	ILLA STIC ELEVATIV			Ver	tical schematic (act	ual)	
102 102 102 0.0 121 101 0.1 15.1 151 0.1 279 279 278 378 12 378 12 378 14 378 14 378 14 378 14 378 14 378 14 378 14 378 14 378 14 378 14 378 14 378 14 378 12.5 378 14.9 378 14.9 378 14.9 386 386 387 12.5 4388 12.5 4388 12.5 4388 12.5 4388 19 4388 19 4388 11.7 4388 11.7 4388 11.8 53819 18.4 5226 18	0.0	10110-000	0.0	100 Harden 1						al-sal-s da-ller al-sala
15.1 131 15.1 0.1 468 369 366 0.2 279.9 278.2 1.2 326.1 331 1.4 330.1 1.49 3085 3085 3086 1.51 3314 1.2.5 44280 1.1.2.5 41323 1.2.5 41324 2.5 41325 - 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.2.5 41326 1.3.7 42260 4.13.2 4386.1 1.2.6 4386.1 1.2.6 4386.1 1.2.6 4386.1 1.2.7 4386.1 1.3.7 4386.1 1.3.7 4386.1 1.3.7 4386.1 1.3.7 5381.2 2.2.4.1.2.4.1.2.4.1.2.4.1.2	10.2	0-00.000	0.0					22, 82, 035060610, 2021	-225 (def - 274	- 5115-01
54.8 34.8 0.2 278.9 278 1.2 328.1 38.1 1.4 328.1 38.1 1.4 328.1 38.1 1.4 328.1 38.1 1.4 3300 39.0 14.9 3616.1 38.14 16.1 38.14 16.1 38.14 12.5 4.173 12.5 4.173 12.5 4.173 12.5 4.182 1.3 4.182 4.33.1 4.383 1.2 4.428.0 1.3 4.382 1.1.7 4.383 1.1.7 4.383 1.1.7 4.383 1.1.7 4.383 1.1.7 4.383 1.1.7 4.383 1.1.7 4.384 4.43.1 4.384 4.43.1 4.384 4.43.1 4.384 1.1.6 5842 5.342	12.1		0.1							
278.8 278.8 1.2 326.1 38.1 1.4 330.1 1807.8 14.9 3444 3065 3065 3616.1 3844 3430.2 12.5 41325 12.5 41325 12.5 41326 4137.5 41325 12.5 41326 4137.5 41325 12.5 41326 4137.5 41325 12.5 41325 12.5 41325 12.5 41325 12.5 41325 12.5 41326 12.5 41325 12.5 41325 12.5 41325 12.5 41325 12.5 41326 11.9 4382 11.9 4382 11.7 43330 11.7 43326 11.7 43327 13.3 5314 5342-5,344; 1/24/2014 53275 5360-5,362; 1/24/2014 53282 12.2 <	15.1	1 100402-00	0.1					1; Conductor; 1	4 in; 13.500 i	n; 10-15 ftKB; 5.00 ft
326.1 324 1.4 330 14.9 36.11 3006 36.12 3614 36.13 16.1 36.14 3614 36.15 3615 36.16 12.5 4138 12.5 4138 12.5 4138 12.5 4138 12.5 4138 12.5 4138 12.5 4138 12.5 4138 12.5 4138 12.3 42200 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 43390 11.7 4341 4497 11.8 11.8	54.8		1000.003.0000							
18301 14.9 18301 14.9 18301 14.9 18301 14.9 18301 14.9 18301 14.9 18301 14.9 18301 14.9 18301 16.1 18301 12.5 18331 12.5 18331 12.5 18331 12.5 18331 12.5 18332 12.3 18330 11.9 18330 11.7 18330 11.7 18330 11.7 18330 11.7 18330 11.7 18330 11.7 18330 11.7 19326 11.6 19237 11.6 1924 11.4 1926 12.2 1928 11.6 1928 12.2 1928 12.2 1928 12.2 1928 12.2 1928 12.2 1928 12.2	279,9		1.2							
3.616.1 3.640 16.1 3.616.1 16.1 4.226.0 4.1316 12.5 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 4.1325 12.5 4.1326 12.3 4.366.1 4.268.4 4.368.1 12.3 4.311.4 4.332.0 4.415.0 4.318.2 11.7 4.339.2 4.332.0 11.7 4.339.1 11.3 4.341.4 4.31.4,4.33; 11/24/2014 4.341.4 4.31.4,4.33; 11/24/2014 5.344.2 5.342.5,344; 1/24/2014 5.344.2 5.342.5,344; 1/24/2014 5.344.2 5.342.5,344; 1/24/2014 5.342.5 12.4 5.342.5 12.4 5.342.5 12.4 5.342.5 12.4 5.34	326,1		12-	-				2; Surface; 8 5/	8 in; 8.097 in;	; 10-326 ftKB; 316.05 ft
4.2260 35314 41323 12.5 41323 Perforated; 4,226-4,227; 1/24/2014 4.2220 41373 41383 12.5 41383 Perforated; 4,232-4,233; 1/24/2014 4.366.1 42685 12.3 41383 Perforated; 4,332-4,233; 1/24/2014 4.415.0 43163 11.9 43182 Perforated; 4,366-4,368; 1/24/2014 4.431.1 4320 11.7 4339 Perforated; 4,415-4,417; 1/24/2014 4.4437 11.3 4475 Perforated; 4,545-4,549; 1/24/2014 5,105.0 49926 11.6 5246 Perforated; 5,342-5,344; 1/24/2014 5,344.2 5286 12.2 5361.9 Perforated; 5,342-5,344; 1/24/2014 5,824.2 5286 12.2 5361.9 Perforated; 5,360-5,362; 1/24/2014 5,824.1 12.4 5882.1 5884.4 11.0 5864.4 Perforated; 5,822-5,826; 1/22/2014 5,824.1 12.4 5864.5 11.2 5864.5 Perforated; 5,822-5,826; 1/22/2014 5,825.1 5684.5 11.4 5778.9 1.5; Pump Seating Nipple; 2.7/8; 2.441; 5,845-5,846; 1. 5,824.1 5,825.5 1.5; 57415 1.6; Tubing; 2.7/8; 2.441; 5,911-5,911; 0.45 5,941.1 3778.8 1.5; Nutched collar; 2.7/8; 2.441; 5,911-5,911; 0.45 5,944.8 <t< td=""><td>1,830.1</td><td></td><td>14.9</td><td>MM</td><td></td><td></td><td></td><td>— 1-2; Tubing; 2 7</td><td>7/8; 2.441; 11</td><td>-5,810; 5,798.92</td></t<>	1,830.1		14.9	MM				— 1-2; Tubing; 2 7	7/8; 2.441; 11	-5,810; 5,798.92
4.132.5 4.137.3 12.5 4.137.3 12.5 4.138.3 1.12 Perforated; 4.232.4.233; 1/24/2014 4.435.0 4.266.1 4.286.5 12.3 4.415.0 4.363 11.9 Perforated; 4.232.4.233; 1/24/2014 4.415.0 4.363 11.9 Perforated; 4.366.4.368; 1/24/2014 4.431.1 4.332.0 11.7 Perforated; 4.415.4.417; 1/24/2014 4.447.5 4.447.5 Perforated; 4.431.4.433; 1/24/2014 5.05.0 492.6 11.6 Perforated; 5.342-5.344; 1/24/2014 5.344.2 5.2246 12.2 Perforated; 5.360-5.362; 1/24/2014 5.344.2 5.2246 11.0 Perforated; 5.360-5.362; 1/24/2014 5.825.1 5.8664 11.0 Perforated; 5.822-5.826; 1/22/2014 5.826.1 5.8664 11.2 Perforated; 5.822-5.826; 1/22/2014 5.826.1 5.8664 11.2 Perforated; 5.822-5.826; 1/22/2014 5.826.1 5.8664 11.2 Perforated; 5.822-5.826; 1/22/2014 5.826.0 5.7815 11.5 5.7815 5.811.1 5.7815 11.5 5.7815 5.7	3,616.1		16.1	5						
4,105.0 4,105.3 12.3 Perforated; 4,232.4,233; 1/24/2014 4,366.1 4266.5 12.3 Perforated; 4,366-4,368; 1/24/2014 4,415.0 4316.3 11.9 Perforated; 4,415-4,417; 1/24/2014 4,415.0 4316.3 11.9 Perforated; 4,415-4,417; 1/24/2014 4,431.1 4380.0 11.7 Perforated; 4,431-4,433; 1/24/2014 4,447.5 11.3 Perforated; 4,431-4,433; 1/24/2014 4,447.5 11.6 52246 12.2 5,361.9 5224.6 12.2 Perforated; 5,342-5,344; 1/24/2014 5,361.9 5224.1 12.4 Perforated; 5,360-5,362; 1/24/2014 5,826.1 5,865.4 11.0 1-3; Anchor/catcher; 4 1/2; 2,441; 5,810-5,813; 2,80 5,826.1 5,666.6 11.2 Perforated; 5,822-5,826; 1/22/2014 5,826.1 5,666.6 11.2 1-3; Anchor/catcher; 4 1/2; 2,441; 5,845-5,846; 1. 5,824.0 5,727.9 11.5 5,727.9 11.5 5,781.5 11.5 5,727.9 1.5 1-6; Tubing; 2 7/8; 2,441; 5,845-5,846; 1. 5,844.8 5,781.9 1.4 -1-5; Pump Seating Nipple; 2 7/8; 2,441; 5,845-5,846; 1.	4,226.0		12.5	2				— Perforated; 4,22	26-4,227; 1/24	4/2014
4,300,1 4,200,4 12,3	4,232.0		12.5		10000			-Perforated; 4,23	32-4,233; 1/24	4/2014
4.315.0 4.3163 11.9 4.315.0 4.3163 11.9 4.311.1 4.3320 11.7 4.333.9 11.3 4.441.7 11.3 4.447.5 11.6 5.105.0 4.992.6 5.344.2 5.224.6 5.344.2 5.224.8 5.342.2 5.361.9 5.242.1 12.4 5.361.9 5.244.1 5.822.7 5.665.4 5.822.7 5.665.4 5.826.1 5.669.6 5.768.5 11.0 5.822.7 5.668.6 5.822.7 5.668.6 5.822.8 12.2 5.826.1 5.689.6 5.822.7 5.689.6 5.822.1 5.689.6 5.822.1 5.689.6 5.822.1 5.689.6 5.824.1 1.4 5.7715 1.1.4 5.7815 1.5 5.7815 1.5 5.7815 1.6 5.7815 1.2.2 6.304.8 6.1676 9.8 </td <td>4,366.1</td> <td></td> <td>12.3</td> <td>\int</td> <td>88888 I</td> <td></td> <td>1 2000</td> <td> Perforated; 4,36</td> <td>66-4,368; 1/24</td> <td>4/2014</td>	4,366.1		12.3	\int	88888 I		1 2000	Perforated; 4,36	66-4,368; 1/24	4/2014
4.544.9 4.4337 11.3 4.544.9 4.4477 11.3 4.4475		4,318.2		$ \rangle$	200244 200254 200254			— Perforated; 4,4	15-4,417; 1/24	4/2014
1.1.3 11.3		4,333 9			93534 13355		1 2005	— Perforated; 4,43	31-4,433; 1/24	4/2014
5.2246 12.2 5.344.2 5.2258 12.2 5.242		4,447.5	12 William 1	F				Perforated; 4,54	45-4,549; 1/24	4/2014
5,344,2 5,2422 5,361.9 5,2441 5,862,5 11.0 5,862,6 11.0 5,864,4		5,224.6	2005	ξ				Perforated; 5.34	42-5,344: 1/24	4/2014
5,801.9 5,244.1 12,4 5,812.7 5,682.5 5,812.7 5,686.4 5,826.1 5,696.6 5,702.4		5,242.2					1888			
5,612.7 5,604.4 11.0 5,826.1 5,694.4		5,682 5		4						
5.7024		5,694.4								
5,717 9 5,854.0 5,725 9 5,785 5 5,911.1 5,781.8 5,866.0 6,304.8 6,167.6 6,211.3		5,702.4						— 1-4; Tubing; 2 7	7/8; 2.441; 5,8	313-5,845; 32.13
5,781.5 5,781.5 5,911.1 5,781.8 6,166.0 6,304.8 6,167.6 9.8		5,717.9								
6,304.8 6,167.6 9.8 9.8 9.8 6,211.3 9.8		5,781.5				H				
6,211.3	noderno Rade no n			7				~~~~~~		
	6,350.1	10050131 A 5405 11		/					5 1/2 in; 4.950) in; 10-6,350 ftKB; 6.340.01 ft
6,214 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										

Spud Date: 9/1/2009 Put on Production: 10/12/2009 GL: 5959' KB: 5971'

SE/SW Section 8-T9S-R16E

Duchesne Co, Utah API # 43-013-33882: Lease # UTU-74390

West Point Fed Q-8-9-16

Wellbore Diagram

SURFACE CASING			FRAC JOB			
CSG SIZE: 8-5/8" TO	C@0'		10/6/2009 5777-5850'	Frac CP.5, C	P1, CP2 sds a	s foilows:
GRADE: J-55			40,866# sand in 438 bbis	of lightning 17	frac fluid Trea	ited (au ave
WEIGHT: 24#			pressure of 2228 w/ ave ra w/ 80FG 5 min was 184			
LENGTH: 7 jts (309 05')						
DEPTH LANDED: 320.90'			10/6/2009 5440-5548 35,697# sand in 400 bbts	Frac LODC of lightning 17		
CEMENT DATA: 160 sxs Class 'G', circ. 7 bbls to suif.			pressure of 2801 w ave to w/ 89FG			
	ИШ	N	10/6/2009 5323-5340 50,130# sand in 469 bbls pressure of 2548 w' ave re w' 85FG	of lightning 17		
PRODUCTION CASING CSG SIZE: 5-1/2"			10/6/2009 4793-4901 100,980# sand in 752 bbls pressure of 2396 w' ave r	of lightning 17 atc of 48 bpm w	8 ppg of sand	rated (d) ave (SIP was 2080
GRADE: 1-55			w∕87FG 5 min was 190	0 10 mma was i	1841 15 man w	vas 1786
WEIGHT: 15 5#		11	10/6/2009 4339-4431		B6 GB4 sds as	
LENGTH: 149 jts (6258.9')			66,307# sand in 557 bbls pressure of 2396 w/ ave n			
DEPTH LANDED: 6273.90			w/ 90FG			
HOLE SIZE 7-7/8"			07/24/10	Pump Char	ige. Rod & Tul	nng updated
CEMENT DATA: 270 sxs Print ite II & 360 sxs 50/50 POZ						
CEMENT TOP AT: 0' per CBL 10/2/09						
TUBING (GI 10/12/09)						
SIZE:GRADE/WT : 2-7/8" / J-55 / 6.5#						
NO OF JOINTS: 181 jts (5795 3')		11				
TUBING ANCHOR: 5807 3' KB						
NO OF JOINTS: 2 jts. (63.9')						
SEATING NIPPLE: 2-7/8" (1 10')		4339-4	341 '			
SN LANDED AT: 5874" KB	[]	4373-43	34.			
NO. OF JOINTS: 2 jts (64.7')	1	Π				
NOTCHED COLLAR: 2-7/8" (0 5")	一 千 川	FF 4409-44	11"			
TOTAL STRING LENGTH: EOT @ 5940'	利用	₩ 4419-4	21			
	「利川	f∓ 4429-44	31`			
SUCKER RODS (GI 7/23/10)	考	₽ 4793-47	96`	PERFC	RATION R	3 JSPF 12 holes
OLISHED ROD: 1-1/2" x 30'	- 考	4837-48	41	10/6/09	5821-5824	3 JSPF 9 holes
UCKER RODS: 2', 4', 6' x 7'8" pony rods; 230 x 7/8" guided rods(8per); 4	× +	4893-49	Ot:	10/6/09		3 JSPF 9 holes
.'\$" weight rods UMP SIZE: 2-1:2" x 1-3/4" x 20' x 24' RHAC	ШЦ			10/6/09	5542-5548`	3 JSPF 18 holes
UMP SIZE: 2-1:2" x 1-3:4" x 20' x 24' RHAC FROKE LENGTH: 146''	ゴ目	5323-5	320	10/6/09	5440-5446	3 JSPF 18 holes
UMP SPEED, SPM: 3 7	刊	5334-5	40'	10/6/09	5334-5340'	3 JSPF 18 holes
UMPING UNIT: DARCO C-640-365-168	₹	5440-54	146°	10/6/09 10/6/09		3 JSPF 9 holes 3 ISPF 24 holes
		\$542-5	48'	10/6/09	4893-4901' 4837-4841'	3 JSPF 24 holes 3 JSPF 12 holes
		5777-5	780'	10/6/09	4793-4796'	3 JSPF 9 holes
		Auchor	a, 5807°	10/6 09	4429-4431	3 JSPF 6 holes
		5821-5	324'	10/6/09	4419-4421	3 JSPF 6 holes
	→ 判 Ⅲ	5846-5	850'	10/6/09	4409-4411'	3 JSPF 6 holes
		SN @ 5		10/6/09 10/6/09	4373-4376' 4339-4341'	3 JSPF 9 holes 3 JSPF 6 holes
		EOT @		(V/U/U)	1+6+**	S S I O ROIES
NEWFIELD		PBTD				
West Point Fed Q-8-9-16	#ALCON					
785' FSL & 1998' FWL		Y				
107 10L K 1770 1 WL						

TD @ 6281

NEWFI	ELD			Schematic			
Well Nam	e: GMBUN-	17 0 16	47	8-013-51	581		
urface Legal Loc	ation		API/UWI	Well RC	Lease	State/Province	Field Name County
ipud Date	Rig Release Date		Original KB Elevation (ft)	Ground Elevation (ft)	UTU74390 Total Depth All (TV	Utah D) (fikB)	GMBU CTB3 Duchesne PBTD (All) (ftKB)
/16/2013	9/2/2013	10/4/2013	6,016	6,006			Original Hole - 6,239.0
b Category		Pnmary Job Type		у Јођ Туре	Job Start Date		Job End Date
nitial Comple		Fracture Treatm			and the second second	0/2013	10/17/2013
D: 6,295.	TVD		Slant - <d< td=""><td>es>, 7/15/2014 8:12:3</td><td>6 AM</td><td></td><td></td></d<>	es>, 7/15/2014 8:12:3	6 AM		
MD (ftKB)	(ftKB) Incl			Ve	rtical schematic (i	actual)	
9.8		DLS (° 04			2 1: Tubing h	Jangar: 7: 2.44	
14 1			L		1 million and the second second second		in; 10-11; 0.90 in; 10-14 ftKB; 4.00 ft
50 9							
257 2							
					2; Surface; 8	5/8 in; 8.097 i	n; 12-300 ftKB; 288.43 ft
306 1		2					1-5,782; 5,770.97
4,255.9			828/8	1963		,256-4,257; 9/ ,263-4,264; 9/	
4,264.1				- Martin	2 (1) 70 PO BOARD -	,280-4,286; 9/	
4,309 1			2000	2223	- Carl Carl Carl Carl	,309-4,310; 9/	
4,315 9						1,315-4,316; 9/	
4,346 1			- 10190 F			,340-4,341; 9/ ,346-4,347; 9/	
4,353.0			1-350 E	44073 3085		,351-4,353; 9/	
4,469.2			35555	1995	1000 C	1,463-4,464; 9/ 1,469-4,470; 9/	
4,482.0			Data- Data- Data- Data-			,481-4,482; 9/	
4,547.9			1000	835		485-4,486; 9/	
4,553 1					a sea anno anno anno anno anno anno anno an	1,548-4,549; 9/ 1,551-4,553; 9/	
		2	1000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1			,760-4,764; 9/	
4,870 1			1000		-Perforated; 4	,918-4,920; 9/	12/2013
4,972.1		1/	3920	1995		4,972-4,973; 9/	
5,049,9			8550	8555		5,048-5,050; 9/ 5,062-5,064; 9/	
5,064 0		2	25050	网络	-Perforated; 5	5,336-5,337; 9/	12/2013
5,345.1			Star-			5,345-5,346; 9/ 5,361-5,362; 9/	
5,361 9			Sins.	4055	-Perforated; 5	5,370-5,371; 9/	12/2013
5,379,9			1000	100		5,380-5,381; 9/ 5,398-5,399; 9/	
5,398 9			1000	2022	Perforated; 5	5,411-5,412; 9/	12/2013
5,421 9			6222	232		5,422-5,423; 9/ 5,445-5,446; 9/	
5,445 9			Riddar Second	2000	Perforated; 5	5,464-5,465; 9/	12/2013
5,479 0			REAL PROPERTY	000		5,479-5,480; 9/ 5,486-5,487; 9/	
			2000	19285	Perforated; 5	5,507-5,509; 9/	(12/2013
5,486 9		L	- CALE	5085	//	catcher; 4 1/2; 5,784-5,788; 9/	2.441; 5,782-5,785; 2.80 /12/2013
5,781,8			1000 HI	B B Star	_/_2-4; Tubing;	2 7/8; 2.441; 5	5,785-5,816; 31.41
5,788 1		\backslash	3000				2 7/8; 2.250; 5,816-5,817; 1.10 5,817-5,849; 31.40
5,817.3					-/-2-7; Tubing I	Pup Joint; 2 7/	8; 2 441; 5,849-5,853; 4 20
5,852.7							0; 5,853-5,870; 17.33 5,870-5,902; 31.40
5,902.2					2-10. Valve,	2 7/8; 0.000, 5	5,902-5,902; 0.70
6,132 9				- 1	Perforated; 6	5,113-6,117; 9/	/10/2013
6,240.5							
6,294.9					3; Productio	n; 5 1/2 in; 4.9	50 in; 10-6,286 ftKB; 6,275.67 ft
www.newfie	eld.com		1010	Page 1/1			Report Printed: 7/15/20

NEWFIELD Schematic											
Well Nor		BU L-8-9-	I.C.	42-	013-5168	27					
Surface Legal Lo	cation	FEL Sec 8 T		AP!/UWI	Well RC 20000 500346810	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County		
Spud Date 10/31/2013		ase Date Un		Original KB Elevation (ft) Gr	ound Elevation (ft) 888	Total Depth All (TVD) Original Hole - 6	(fiKB)	PBTD (All) (ftKB) Original Hole -	Duchesne		
Most Recen	-	2013 [12/	10/2013	5,696	000	Chiginal nois - C	5,255.7	Loughan Hole -	0,412.0		
nitial Compl			ary Job Type cture Treatm	ent P&P	Туре	Job Start Date 12/3/	2013	Job End Date 12/16	5/2013		
TD: 6,444					lole, 7/15/2014 8:14:	21 AM					
MD (ftKB)	TVD (ftKB)	Inci (°)	DLS		Vertic	cal schematic (a	ctual)				
98	9.9	1.3	DLS (° 0 3				-	- 1			
10 8	10 9	1.3				- 1-1; Tubing Ha	anger; 7; 2 441	; 10-11; 0.90			
14 1	14 2	1.3					11 10 500	10 10 000			
30 8	30 9	13				-1; Conductor;	14 in; 13.500 ii	n; 10-15 ftKB; 5.0	00 #]		
37 1	37 1	1,3		ale							
264 4	264 4	1.3									
303 5	303 5	1.3				2; Surface, 8	5/8 in; 8.097 in;	10-305 ftKB; 29	5.11 ft		
310 0 3,630 6	310 0 3,540 3	1.3 17.2	¥			- 1-2; Tubing; 2	7/8; 2.441; 11-	-5,403; 5,392 27			
4,378 0	4,260.6	15,1	1								
4,687 0	4,559 1	16.0	Z			Perforated, 4,	378-4,382, 12/4	4/2013			
4,905 8	4,770 4	14.4	T		4492 4492	- Perforated; 4,	905-4,906; 12/4	4/2013			
4,962.9	4,825 7	14.5		96854 3250	1955	Perforated; 4,	962-4,963; 12/4	4/2013			
4,965 9	4,828 6	14.6		9000	NISS.	- Perforated; 4,	965-4,966; 12/4	4/2013			
5,007 9	4,669 2	15.1		2000	1999		006-5,008; 12/4				
5,018.0	4,879.0	15.2		66045 22204	10252)		016-5,018; 12/4				
5,022 0	4,882 8	15.2	3	2010 1908	1955) 1965(k	- Perforated; 5,	020-5,022; 12/4	4/2013			
5,267 1	5,1191	15.6	1	1000	14188 19385		266-5,267; 12/				
5,379 9	5,227 9	15.2			1000		378-5,380; 12/				
5,405 8	5,252.9	15.4						.441; 5,403-5,40	5; 2.80		
5,418.0	5,264 6	15.6	11	1980	4850)) 2000)	the state of the state of the state of the	416-5,418; 12/ 7/8; 2,441; 5,4	3/2013 406-5,437; 31.30			
5,423 9	5 270 3	15.7		16800A	X658		422-5,424; 12/				
5,432 1	5,278 2	15.8		2000	4025 5025	-Perforated; 5,	430-5,432; 12/	3/2013			
5,437 3	5,283 3	15.9						7/8; 2.250; 5,43	7-5,438; 1.10		
5,469 5	5,314.2	15.6				-1-7; Tubing P	up Joint; 2 7/8;	438-5,470; 31.27 ; 2,441; 5,470-5,4			
5,491 1	5,335 1	15.3	1/			-1-9; Tubing; 2	2 7/8; 2.441; 5,4	5,474-5,491; 17 491-5,584; 92 83	33		
5,584 6	5,425 3	15.2	4		-	— 1-10; Purge V	/alve; 3; 5,584-	0.80, 0.80			
6,412.1	6,224 7	14.0									
6,435 7	6,247 6	14.0	/			-3. Production	; 5 1/2 in, 4.950	0 in: 10-6 436 ftK	B: 6 426 47 ft		
6,443.9	6,255 6	14.0	1/	555000	19595	the first of the second s	And a statement of the statement of	5 m, 10 0,400 m			

NEWF	ICLD				S	chematic				
Well Nan	ne: GM	BU X-9-9	-16		43-	013-52	334			
WNW 684	cation				API/UWI	Well RC 40000 50034654	Lease	State/Province Utah	Field Name GMBU CTB5	County
pud Date	Rig Reie	ase Date O	Production Date	Original KB Elevation	(it) G	ound Elevation (ft)	Total Depth All (TV	D) (ftKB)	PBTD (AII) (TKB)	
/23/2014	5/16/2	014 6	11/2014	5.889	5	.878	Original Hole -	6,183.6	Original Hole -	6,285.5
ob Category	t Job	Pr	mary Job Type		Secondary Jo	b Type	Job Start Date		Job End Date	
nitial Compl	etion		acture Treatm	ent	P&P	- (J)-	5/30	0/2014	And a second sec	0/2014
D: 6,318	.0			Slant	- Original I	tole, 7/15/2014	8:10:04 AM			
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS				Vertical schematic (actual)		
0.0	0.0	1.1	DLS (° 05							
10.8	10 9	1_1	<u> </u>		CB		1-1, Tubing H	langer, 7; 2.44	1 10-11 0 90	and a family strength of the
13.5	13 5	1.1				- H			111	and the product of the second state of the second
180	18 1	1.1					1. Conductor	14 in: 13.500	in; 11-18 ftKB; 7.	00 ft]
32.2	32.2	1.1			1 14		Citerio			00 H
42.0	42.0	1.1								
275 9	275.9	1.1								
320 5	320 5	1.1								
331 0	331 0	1.1	_				2; Surface; 8	5/8 in; 8.097 i	n; 11-322 ftKB; 31	10.98 ft
3,752.0	3,677 4	13.3	1					2 7/8: 2 441: 1	1-5,520; 5,509.43	
4,157.2	4.072.8	12.8	5							
4,357 0	4,267 6	13.0	5	Sec.		-202	Perforated; 4	,157-4,159; 6/	3/2014	
4,369 1	4.279 4	13.1	17	Bar		-4050	Perforated; 4	,357-4,361;6/	3/2014	
4,752.0	4 651 6	12.8	4	- Ban			Perforated; 4	,369-4,372; 6/	3/2014	
4,758.9	4 658 3	12.8		200m	11		Perforated; 4	752-4,756; 6/	3/2014	
	4,030.3			592047		-29/21	Perforated; 4	,759-4,763; 6/	3/2014	
4,841 9		13.6		- Same			Perforated: 4	.851-4.852; 6/	3/2014	
4,852.0	4,749.0	13.7		1/200		16200		.867-4,868; 6/		
4,868 1	4,764 6	13.9		NO.		VER		,879-4,880; 6/		
4,879 9	4,776 1	14.0		(Citizen)		33.00				
4 907 2	4,802 5	14.0		100				.906-4,907; 6/		
4 916 0	4,811 1	14.0		19980			120 000 000 000	the second second second		
4,921 9	4,816 8	14.0		16em				,921-4,922; 6/		
4,940,9	4,835 3	13.7		Second Second Materia		1904		,940-4,941; 6/ ,949-4,950; 6/		
4,950 1	4,844 3	13.5		100		19955				
4,982.0	4,875.2	13.1	1 (Afres States			in the second	.981-4,982; 6/		
5,033.1	4,925 1	12.7		38150		-sade		032-5,033; 6/		
5,038.1	4,929 9	12.7		-390 (S- 1623)				,037-5,038; 6/		
5,119.1	5,009 1	11.8		Selection Selection				5,116-5,119; 6/		
5,127 0	5,016 8	11.7	1	Electronic Control Control		- MORES	and the second sec	5,123-5,127; 6/		
5,290 0	5,176 6	11.6	1	920/0 2500		102031		,289-5,290; 5/		
5,317 9	5,203 9	11.5	2	States				5,316-5,318; 5/		
5,418.0	5,301 9	11.9		250m		NOED		6,417-5,418; 5		
5,431 1	5.314 7	12.2		2200s				6,430-5,431; 5/ 6,437-5,438; 5/	15410 20432010	
5,438 0	5,321 5	12.4		2050 2050		14200		5,443-5,444; 5/		
5,443.9	5,327 2	12.5	2	1950v		-			2.441; 5,520-5,52	
5,523.0	5,404 5	11.6							,523-5,556; 33.00 2 7/8; 2 250; 5,55	
5,556.1	5,437 0	10.4			-			2 7/8: 2.441: F	2 778; 2 250; 5,55 ,557-5,590; 33.00	0-5,557; 1.10)
5,565.9	5,446 7	10.1			EF R				B; 2 441; 5,590-5,	
5,594.2	5,474 5	9.3); 5,594-5,611; 17	
5,677.5	5,556 8	9.0	5			9884 8050			,611-5,677; 65.94 .441; 5,677-5,678	
5,763.1	5,641 3	10.3		~~~~			i-io, salety	vaivo, 2 110, 2	8/0,6-110,0,1 ++-	, 0.03
6,287 4	6,153.6	11.2			1					······
6,310.0	6,175 8	11.2	/				3; Production	n; 5 1/2 in; 4.9	50 in; 11-6,310 ftK	B: 6,299.00 f
			1/		10000000					

NEWF	IELD				So	hematic				
Well Nan	ne: GM	BU U-8-9	9-16		43-	013-5	2336			
Unface Legal Lo		EW/L Soc 1	6 T9S R16E		API/UWI	Well RC 50034653	Lease 8 UTU64379	State/Province Utah	Field Name GMBU CTB3	County
pud Date	Rig Relea	ase Date	In Production Date	Original KB Elevation ((ft) Grou	nd Elevation (ft)	Total Depth All (TVI	D) (fikB)	PBTD (All) (RKB)	1
122/2014	5/11/2	014 [6	5/11/2014	5,889	5,8	/8	Original Hole -	0,133.7	Original Hole -	6,251.5
ob Category	1.1.1		rimary Job Type		Secondary Job	Гуре	Job Start Date	2/2014	Job End Date	
nitial Compl		16	racture Treatm		P&P			0/2014	6/6	/2014
D: 6,308	TVD T			Slant -	Original Ho	ble, 7/15/2014	8:11:41 AM			
MD (ftKB)	(ftKB)	Incl (°)	DLS				Vertical schematic (a	actual)		
			DLS (° 05		П,					
10_8	10 9	18	• <u> </u>	1000000				langer; 7; 2.4	41; 11-12; 0.90	AND ADDRESS OF A DESCRIPTION OF A DESCRI
13.1	13 2	1.8							and a second	
29.9	30 0	1_8		-			1; Conductor	; 14 in, 13.500	0 in; 11-17 ftKB; 6.	00 ft
42.0	42 1	1.8								
42.0	42.1	1.0		100						
275.6	275 6	1.8								
319.9	319 8	1.8					2; Surface; 8	5/8 in; 8.097	in; 11-320 ftKB; 30	09.01 ft
3,479 3	3,393 1	15.1	E		H			2 7/8: 2.441: 1	12-5,849; 5,837.23	
			4							
4,300.9	4,190 7	14.3	7	2500			Perforated; 4	,301-4,303; 6	/2/2014	
4,307 1	4,196.8	14.4	$\langle \rangle$	Silves		40525		,306-4,307; 6		
4,378.9	4 266 3	14.8		- Contraction -		- MORE		1,350-4,351; 6		
				2200				1,379-4,381, 6 1,385-4,386; 6		
4,386.2	4,273 3	15.0		No.		1000 C		1,390-4,393; 6		
4,711.9	4,587 5	15.2	5	(Ream				,712-4,714; 6		
4,769.0	4,642 5	15.4	12	100m References		- 4453	Perforated; 4	,767-4,769; 6	/2/2014	
4,876.0	4,745 6	16.3	\backslash	1000		-	Perforated; 4	,858-4,861; 6	12/2014	
4,070.0	4,743.5	10.5	2					4,876-4,879; 6		
5,160.1	5,019 6	15.1		2000m		in the second se	Perforated; 5	5,154-5,160; 6	/2/2014	
5,294.0	5,148 9	15_1	$\left \right\rangle$	Store			Perforated; 5	5,293-5,294; 6	/2/2014	
5,312.0	5,166.3	15.4		Exten Jako		- HARD	Perforated; 5	5,305-5,306; 6	/2/2014	
5,012.0	0,100 5			2200		- 41902		5,312-5,314; 6		
5,328 1	5,181 8	15.5		200- Sfilter				5,327-5,328; 6 5,348-5,349; 6		
5,432 1	5,282 2	14.3	5	USEA DECEM		-		5,432-5,433: 6		
5,437.0	5,287 0	14.2				- 0303		5,436-5,437; 6		
			1	250m			Perforated; 5	5,467-5,470; 6	6/2/2014	
5,738.8	5,582 1	10.2	7	Silita Silita Silita			Perforated; !	5,739-5,741; 5	5/30/2014	
5,747 0	5,590 1	10.2		Without States		ANTER C		5,745-5,747, 5		
5,794 9	5,637 2	10.9						5,787-5,789; 5 5,795-5,796; 5		
	6 000 1			Quera Quera Manua			Perforated;	5,843-5,845; 5	5/30/2014	0.0.00
5,845.1	5,686 4	11.7		10.00		50802			2; 2.441; 5,849-5,85 5,852-5,885; 33.00	
5,875.0	5,715.6	12.2				1000	-1-5; Pump S	Seating Nipple	2 7/8; 2.250; 5,88	5-5,886; 1.10
5,899.0	5,739.0	12.5			12.1		/		5,886-5,919; 32.98 /8; 2.441; 5,919-5;	
5.040.0	5,779 4	12.0				2000	-1-8; Desand	ler; 3 1/2; 1.00	00; 5,923-5,940; 17	.18
5,940 3	5.1194	12.9	2		-		1-9; Tubing;		5,940-6,006; 65.96 2,441; 6,006-6,007	
6,251.6	6,081 3	14.8	3			-				· · · · · · · · · · · · · · · · · · ·
6,297 9	6,126.0	14.9	/				3; Productio	n; 5 1/2 in; 4.9	950 in; 11-6,298 ftk	(B; 6,287.00 f
www.newf	iaid com		1			Page 1/1				

1553 East Highway 40 Vernal, UT 84078 ATTACHMENT F



Units of Measurement: Standard

Water Analysis Report

Production Company: Well Name:	NEWFIELD PRODUCTION FEDERAL 2-17-9-16
Sample Point:	
Sample Date:	1/24/2014
Sample ID:	WA-264550

Sales Rep: Pete Prodromides Lab Tech: Gary Winegar

1075

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

Sample Specific	S	Langer - All	Analysis @ Prop	perties in Sample Specifics	
Test Date:	1/24/2014	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120	Sodium (Na):	4828.00	Chloride (CI):	9000.00
System Pressure 1 (psig):	60	Potassium (K):	32.00	Sulfate (SO4):	8.00
System Temperature 2 (°F):	210	Magnesium (Mg):	7.20	Bicarbonate (HCO3):	1708.00
System Pressure 2 (psig):	60	Calcium (Ca):	22.60	Carbonate (CO3):	
Calculated Density (g/ml):	1.007	Strontium (Sr):	3.20	Acetic Acid (CH3COO)	
pH:	8.70	Barium (Ba):	0.84	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	15640.40	Iron (Fe):	30.00	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.10	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L)):	0.00	Lead (Pb):	0.03	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	20.00	Manganese (Mn):	0.43	Silica (SiO2):	
Notes:					

Al=.06 B=7.7

Li=1.2

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		And the second se		Iron Iron Sulfide Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide			
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ
210.00	60.00	1.83	19.41	0.00	0.00	4.86	16.55	3.97	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.11	0.05
200.00	60.00	1.79	19.36	0.00	0.00	4.84	16.55	3.92	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.20	0.05
190.00	60.00	1.74	19.31	0.00	0.00	4.84	16.55	3,88	21,81	0.00	0.00	0.00	0.00	0.00	0.00	9.29	0.05
180.00	60.00	1.69	19.26	0.00	0.00	4.84	16.55	3.83	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.39	0.05
170.00	60.00	1.65	19.20	0.00	0.00	4.84	16.55	3.78	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.49	0.05
160.00	60.00	1.61	19.14	0.00	0.00	4.85	16.55	3.73	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.61	0.05
150.00	60.00	1.57	19.08	0.00	0.00	4.87	16.55	3.68	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.73	0.05
140.00	60.00	1.53	19.02	0.00	0.00	4.89	16.55	3.63	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.86	0.05
130.00	60.00	1.50	18.96	0.00	0.00	4.92	16.55	3.58	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.05
120.00	60.00	1,47	18.90	0.00	0.00	4.96	16.55	3.52	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.15	0.05

Innovation

1553 East Highway 40 Vernal, UT 84078

ATTACHMENT P 265

multi-chem

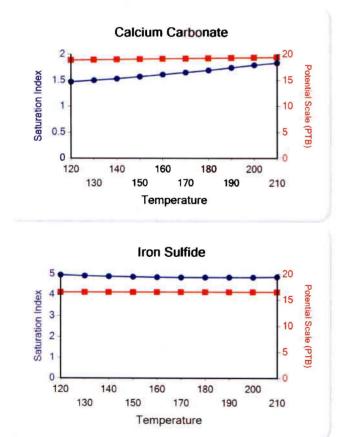
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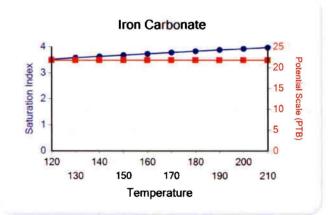
Water Analysis Report

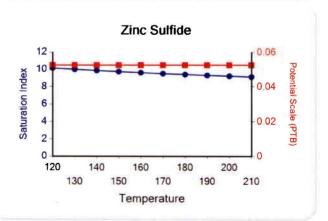
			Hemihydrate CaSO4~0.5H2 O		ydrate SO4		lcium oride		inc onate		ead Ifide		/lg cate		i Mg icate		Fe cate
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	РТВ	SI	РТВ
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.07	9.65	0.01	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.06	9.81	0.01	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.06	9.97	0.01	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.06	10.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.06	10.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.06	10.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.06	10.73	0.01	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.06	10.95	0.01	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.06	11.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.05	11.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide







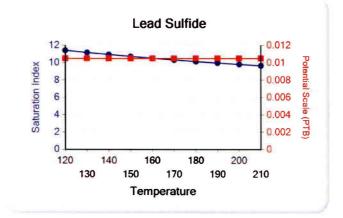
Multi-Chem - A H	alliburton Service
Ethics	Commitment

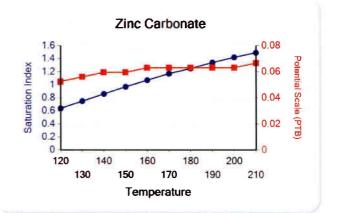
1553 East Highway 40 Vernal, UT 84078

multi-chem

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Water Analysis Report





1553 East Highway 40 Vernal, UT 84078

ATTACHMENT P multi-chem

A HALLIBURTON SERVICE

Units of Measurement: Standard

Water Analysis Report

NEWFIELD PRODUCTION Production Company: WELLS DRAW INJ FACILITY Well Name: Sample Point: **Commingled After Filter** 11/18/2013 Sample Date: WA-259493 Sample ID:

Calcium

Carbonate

PTB

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Sales Rep: Jacob Bird

Lab Tech: Gary Winegar

4075

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

(PTB = Pounds per Thousand Barrels)

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Sample Specifi	cs		Analysis @ Prop	perties in Sample Specifics	
Test Date:	11/26/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120	Sodium (Na):	141.00	Chloride (CI):	1000.00
System Pressure 1 (psig):	2000	Potassium (K):	39.00	Sulfate (SO4):	41.00
System Temperature 2 (°F):	210	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1122.00
System Pressure 2 (psig):	2000	Calcium (Ca):	41.00	Carbonate (CO3):	
Calculated Density (g/ml):	0.999	Strontium (Sr):	0.70	Acetic Acid (CH3COO)	
pH:	6.50	Barium (Ba):	0.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	2413.76	Iron (Fe):	0.11	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L)):	24.00	Lead (Pb):	0.00	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	0.00	Manganese (Mn):	0.00	Silica (SiO2):	4.92
Notes:					

Notes

Temp

(°F

B=.4 Al=.18 Li=0

PSI

210.00 2000.00

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Barium Sulfate Halite Iron Celestite Iron Gypsum Zinc Sulfide Carbonate CaSO4-2H2O SrSO4 NaCl Sulfide PTB SI PTB SI PTB SI PTB SI PTB SI PTB SI PTB 15.83 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 12.10 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 7.94 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.37 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

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1553 East Highway 40 Vernal, UT 84078

ATTACHMENT P 50F5

multi-chem

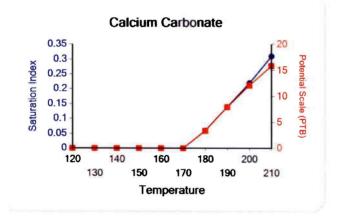
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		CaSO	hydrate 4~0.5H2 O		/drate SO4		cium oride		inc onate		ead Ifide		/lg cate		a Mg icate		Fe icate
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

Water Analysis Report

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate

These scales have positive scaling potential under final temperature and pressure:



Attachment "G"

Federal #2-17-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth	ISIP	Calculated Frac Gradient	
Тор	Bottom	(feet)	(psi)	(psi/ft)	Pmax
5736	5750	5743	2000	0.78	1963
5591	5604	5598	2050	0.80	2014
5262	5273	5268	2700	0.95	2666
5172	5182	5177	2150	0.85	2116
5044	5052	5048	2600	0.95	2567
4940	4954	4947	1900	0.82	1868 ┥ 🖳
4727	4741	4734	2050	0.87	2019
4431	4443	4437	2650	1.03	2621
4202 4209		4206	2200	0.96	2173
				Minimum	1868

Calculation of Maximum Surface Injection Pressure
Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

NEWFIELD ATTACHMENT G-(10815



				DAILY COM	PLE	HON REPO	JRI				
WELL N	NAME:		Federal 2-17	-9-16	Re	port Date: _	9	-30-06			Day: 01
Оре	ration:		Completion				Rig:		Rigless		
• <u>••••••••••••••••••••••••••</u> ••••••••••	<u></u>			WEL	L ST	ATUS					<u> </u>
Surf Csg:	8-5/8	0	323'	Prod Cs	sg:	5-1/2"	@	6063'	Csg I	PBTD:	6003'WL
Tbg:	Size:		Wt:	Grd:		Pkr/EO	т @:]		BP/Sand I	PBTD:	
				PERFOR		N RECORD					
<u>Zone</u>			Perfs	SPF/#shots		Zon	<u>e</u>	:	<u>Perfs</u>		SPF/#shots
				······						•	
••••••••••••••••••••••••••••••••••••••						CP3 sc	ls	5736-	5750'	•	4/56
										•	
							<u> </u>	* ****			
				CHRONOLOG	ICA	_ OPERATIO	<u>ONS</u>				
Date Worl	k Perfor	mea	l: <u>29-Se</u>	p-06				SITP:		SICP:	0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6003' & cement top @ 140'. Perforate stage #1, CP3 sds @ 5736-50' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 56 shots. 143 bbls EWTR. SIFN.

		FL	UID RECOVER	Y (BBLS)		
Starting fluid I	oad to be recovered:	143	Starting oil	rec to date:		-
Fluid lost/reco	-	0	Oil lost/rec	overed today:		_
Ending fluid to	be recovered:	143	Cum oil red			•
IFL:	FFL:	_ FTP:	Choke:	Final	Fluid Rate:	Final oil cut:
	STIMULAT	ION DETAIL			COST	<u>s</u>
Base Fluid us	ed:	_ Job Type: _			Weatherford BOP	\$450
Company:					NPC NU crew	\$300
Procedure or	Equipment detail:				NDSI trucking	\$800
					Perforators LLC	\$6,211
					Drilling cost	\$318,037
					Loyds Hot Oil	\$420
	······			<u></u>	Location preparation	\$300
					NPC wellhead	\$1,500
	<u></u>				Benco - anchors	\$1,200
	······································				Admin. Overhead	\$3,000
					NPC Supervisor	\$300
Max TP:	Max Rate:	Total fl	uid pmpd:			
Avg TP:	Avg Rate:	Total P	rop pmpd:			
ISIP:	5 min:	10 min:	FG	:	DAILY COST:	\$332,518
Completic	on Supervisor:	Ron Shuck			TOTAL WELL COST:	\$332,518

ATTACHMENT G-1 20F15

ULY COM	ION R	FPORT

				DAILY COMPLE	TION REP	ORT			•
WELL N			Federal 2-17	<u>-9-16</u> R	Report Date: Oct 4, 2			, 2006	
Operation:			Completion				Rig:	Rigless	
			<u> </u>	WELL S	TATUS				
Surf Csg:	8-5/8	0	323'	Prod Csg:	5-1/2"	0	6063'	Csg PBTD:	6003'WL
Tbg:	Size:		Wt:	Grd:	Pkr/E	от @: _		BP/Sand PBTD:	
				PERFORATIO	ON RECORI	D			
<u>Zone</u>			Perfs	SPF/#shots	Zo	ne		Perfs	SPF/#shots
				<u></u>			-		
				······································	CP3 s	ds	5736-	5750'	4/56
								<u></u>	
				CHRONOLOGIC/	L OPERAT	IONS			
Date Worl	k Perforr	ned	: <u>03-Oc</u>	t-06			SITP:	SICP:	0 psi

Day 2a.

RU BJ Services. 0 psi on well. Frac CP3 sds w/ 29,681#'s of 20/40 sand in 375 bbls of Lightning 17 fluid. Broke @ 2485 psi Treated w/ ave pressure of 2184 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2000 psi. Leave pressure on well. 518 BWTR. See Day 2b.

		FL	UID RECOVERY (BBLS)		
Starting fluid loa	d to be recovered:	143	Starting oil rec	: to date:		
Fluid lost/recove	red today:	375	Oil lost/recove	ered today:		
Ending fluid to b	e recovered:	518 Cum oil recovered:				_
IFL:	FFL:	_ FTP:	Choke:	Fina	I Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL			COST	S
Base Fluid used:	Lightning 17	Job Type:	Sand frac		BJ Services-CP3	\$21,968
Company:	BJ Services				NPC frac wtr	\$576
Procedure or Eq	uipment detail:	Q	P3 sands		NPC fuel gas	\$100
					Weatherford tools/serv	\$950
3000 gals	of pad				NPC trucking	\$300
2319 gals	W/ 1-4 ppg of 20/4	l0 sand			NPC Supervisor	\$75
4677 gals	W/ 4-6.5 ppg of 20)/40 sand				
Flush W/ 5	504 gals of 15% H	CL acid				
Flush W/ 5	5250 gals of slick w	vater				
	lled @ blenderinc Max Rate: 25.1			bls		
	-		rop pmpd: 29,681	#'s	<u> </u>	• ••••••••••••••••••••••••••••••••••••
ISIP: 2000) 5 min:	10 min:	FG: .7	78	DAILY COST:	\$23,969
Completion	Supervisor:	Drson Barney			TOTAL WELL COST:	\$356,487



DAILY	COMPLETION	REPO	RT	
eral 2-17-9-16	Report D)ate:	Oct -	4. 2

WELL NAME:		Federal 2-17-9-16		-9-16	Report Date:		4, 2006		Day: <u>2b</u>
Оре	ration:		Completion				Rig:	Rigless	<u>.</u>
	<u>.</u>		······································	WELL	STATUS				
Surf Csg:	8-5/8	0	323'	Prod Csg	: 5-1/2"	@	6063'	Csg PBTD:	
Tbg:	Size:		Wt:	Grd:	Pkr/EC	от @: _		BP/Sand PBTD:	5660'
				PERFORA		2 -	•		
<u>Zone</u>			Perfs	SPF/#shots	Zo	ne		Perfs	<u>SPF/#shots</u>
					CP1 s	ds	5591-	-5604'	4/52
					CP3 s	ds	5736-	-5750'	4/56
							<u></u>		
									
					•••••••••				
				CHRONOLOGI	CAL OPERAT	ONS			
Date Worl	k Perfoi	med	l: 03-Oc	t-06			SITP:	SICP:	1588 psi

Day 2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 13' perf gun. Set plug @ 5660'. Perforate CP1 sds @ 5591- 5604' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 52 shots. RU BJ Services. 1588 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. 1435 psi on well. Frac CP1 sds w/ 34,101#'s of 20/40 sand in 395 bbls of Lightning 17 fluid. Broke @ 3749 psi Treated w/ ave pressure of 2194 psi @ ave rate of 24.6 BPM. NO ACID PUMPED IN FLUSH FOR STAGE #3 (Valve shut on acid transport). ISIP 2050 psi. Leave pressure on well. 913 BWTR. See Day 2c.

		FL	UID RECOVERY (I	BBLS)		
Starting fl	uid load to be recovered:	518	Starting oil rec	to date:		-
Fluid lost/	recovered today:	395	Oil lost/recove	red today:		-
Ending flu	id to be recovered:	913 Cum oil recovered:				
IFL:	FFL:	_ FTP:	Choke:	Fina	al Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL			COST	<u>S</u>
Base Fluid	used: Lightning 17	Job Type:	Sand frac		BJ Services-CP1	\$14,411
Company:	BJ Services				NPC frac wtr	\$720
Procedure	or Equipment detail:	C	P1 sands		NPC fuel gas	\$125
	· · · · · · · · · · · · · · · · · · ·				Weatherford tools/serv	\$2,450
330	0 gals of pad				Lone Wolf WL	\$5,074
243	1 gals W/ 1-4 ppg of 20/	40 sand			NPC Supervisor	\$75
489	0 gals W/ 4-6.5 ppg of 2	0/40 sand				
<u>.</u>	gals W/ 6.5 ppg of 20/4	0 sand				
Flus	h W/ gals of slick w	ater				
<u>"NO</u>	ACID PUMPED IN FLU	ISH"				
<u>**Flu</u>	ush called @ blenderinc	ludes 2 bbls pu	ump/line volume**			
Max TF	P: 2438 Max Rate: 24.9	BPM_Total flu	uid pmpd: <u>395 bl</u>	bls		
Avg TF	P: 2194 Avg Rate: 24.0	6 BPM Total P	rop pmpd: <u>34,101</u>	#'s		
ISIF	2050 5 min:	10 min:	FG: <u>.</u> 8	30	DAILY COST:	\$22,855
Compl	etion Supervisor:	Orson Barney	,		TOTAL WELL COST:	\$379,342



			DAILY COMPLE	10.				
WELL !		Federal 2-17	9-16 Report Date: Oct		Oct	4, 2006		Day: <u>2c</u>
Оре	eration:	Completion				Rig:	Rigless	
		<u> </u>	WELL S	TATUS				
Surf Csg:	8-5/8' @	323'	Prod Csg:	5-1/2"	0	6063'	Csg PBTD:	6003'WL
Tbg:	Size:	Wt:	Grd:	Pkr/EC	от @: Т		BP/Sand PBTD:	5380'
•								BP: 5660'
			PERFORATIO	ON RECOR	2 -			
Zone		<u>Perfs</u>	SPF/#shots	Zo	ne		Perfs	SPF/#shots
				LODC		5262·	-5273'	4/44
		· · · · · · · · · · · · · · · · · · ·		CP1 s	ds	5591	-5604'	4/52
				CP3 s	ds	5736	-5750'	4/56
			CHRONOLOGICA	L OPERAT	IONS			<u></u>
Date Wor	k Performed	l: <u>03-Oc</u>				SITP:	SICP:	<u>1730 psi</u>

Day 2c.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 11' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5262- 73' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 44 shots. RU BJ Services. 1730 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid (2 runs due to misfire). RU BJ Services. 1565 psi on well. Frac LODC sds w/ 49,346#'s of 20/40 sand in 429 bbls of Lightning 17 fluid. Broke @ 4097 psi Treated w/ ave pressure of 2882 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage # 4. ISIP 2700 psi. Leave pressure on well. 1342 BWTR. See Day 2d.

		FL	UID RECOVERY (B	BLS)		
Starting fluid	load to be recovered:	913	Starting oil rec	to date:		_
Fluid lost/rec	overed today:	429	Oil lost/recover	ed today:		
Ending fluid	to be recovered:	1342	Cum oil recove	red:		
IFL:	FFL:	FTP:	Choke:	Fina	al Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL			COST	<u>s</u>
Base Fluid u	sed: Lightning 17	Job Type:	Sand frac		BJ Services-LODC	\$16,850
Company: _	BJ Services				NPC frac wtr	\$1,008
Procedure or	Equipment detail:	LC	DDC sands		NPC fuel gas	\$175
					Weatherford tools/serv	\$2,450
<u>3800 g</u>	als of pad				Lone Wolf WL	\$4,294
<u>2625 g</u>	als W/ 1-5 ppg of 20/4	10 sand			NPC Supervisor	\$75
<u>5250 g</u>	als W/ 5-8 ppg of 20/4	10 sand				
<u>1051 g</u>	als W/ 8 ppg of 20/40	sand				
Flush	W/ 504 gals of 15% H	CL acid				
Flush	W/ 4788 gals of slick v	vater				
Flush	n called @ blenderinc	ludes 2 bbis pu	Imp/line volume			
Max TP:	3121 Max Rate: 25.2	BPM Total flu	uid pmpd: 429 bl	<u>s</u>		-
Avg TP: 2	2882 Avg Rate: 24.6	BPM Total P	rop pmpd: <u>49,346</u> #	"s		
ISIP: 2	2700 5 min:	10 min:	FG: .9	5	DAILY COST:	\$24,852
Completi	ion Supervisor: (Orson Barney			TOTAL WELL COST:	\$404,194

ATTACHMENT G-1 56-15

DAILY COMPLETION REPORT

						-			
WELL N	IAME:	Federal 2-17	′-9-16	Rej	port Date:	Oct	4, 2006		Day: <u>2d</u>
Оре	ration:	Completion					Rig:	Rigless	;
		<u></u>	WE	LL ST	ATUS			<u></u>	······
Surf Csg:	8-5/8'@	323'	Prod	Csg:	5-1/2"	0	6063'	Csg PBT	D: 6003'WL
Tbg:	Size:	Wt:	Grd:		Pkr/EC)T @: ¯		<u>BP</u> /Sand PBT	D: 5225'
•								. В	P: 5380', 5660'
			PERFO	RATIO	N RECORI	2 -		·····	
Zone		Perfs	SPF/#shots		Zo	ne		<u>Perfs</u>	SPF/#shots
					LODC		5262-	5273'	4/44
					CP1 s	ds	5591-	5604'	4/52
					CP3 s	ds	5736-	5750'	4/56
A1 sds	5044	-5052'	4/32						<u> </u>
A3 sds		-5182'	4/40				<u></u>		<u> </u>
	·		CHRONOLC	GICAL	OPERAT	IONS			
Date Work	<pre>c Performed</pre>	l: 03-Oc	:t-06				SITP:	SIC	P: 2224 psi

Day 2d.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 10' perf gun. Set plug @ 5225'. Perforate A3 sds @ 5172- 82' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 40 shots. RU BJ Services. 2224 psi on well. Frac A3 sds w/ 29,420#'s of 20/40 sand in 358 bbls of Lightning 17 fluid. Broke @ 3747 psi Treated w/ ave pressure of 2296 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage # 5. ISIP 2150 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 8' perf gun. Set plug @ 5110'. Perforate A1 sds @ 5044- 52' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 32 shots. Leave pressure on well. 1700 BWTR.

		FL	UID RECO	VERY (BBLS	5)		
Starting flui	d load to be recovered	: 1342	Startin	g oil rec to da	ate:		_
Fluid <u>lost</u> /re	covered today:	358	Oil los	t/recovered to	oday:		
Ending fluid	to be recovered:	1700	Cum o	il recovered:			
IFL:	FFL:	FTP:	Choke: _		Final	Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL				COST	<u>s</u>
Base Fluid ι	sed: Lightning 17	Job Type:	Sand	frac		BJ Services-A3	\$21,968
Company:	BJ Services					NPC frac wtr	\$576
Procedure o	r Equipment detail:		<u>A3 sands</u>			NPC fuel gas	\$100
						Weatherford tools/serv	\$2,450
3000	gals of pad					Lone Wolf WL-A3	\$3,903
2319	gals W/ 1-4 ppg of 20/	40 sand				NPC Supervisor	\$75
4551	gals W/ 4-6.5 ppg of 2	0/40 sand				Lone Wolf WL-A1	\$3,123
Flush	W/ 504 gals of 15% F	ICL acid					
Flush	W/ 4662 gals of slick	water					
Flus	h called @ blenderind	cludes 2 bbls p	ump/line vo	iume	,		<u>.</u> ·
Max TP:	2391 Max Rate: 25	BPM Total fl	uid pmpd:	358 bbls			
Avg TP:	2296 Avg Rate: 24.	7 BPM Total P	rop pmpd:	29,420#'s			
ISIP:	2150 5 min:	10 min:		FG: .84	,	DAILY COST:	\$32,195
Complet	tion Supervisor:	Orson Barney	1			TOTAL WELL COST:	\$436,389

ATTACHMENT G-(FIELD 6of 15 DAILY COMPLETION REPORT Day: 3a Federal 2-17-9-16 Oct 5, 2006 **Report Date:** WELL NAME: Rigless Rig: **Operation:** Completion WELL STATUS Csg PBTD: 6003'WL 5-1/2" 6063' 323 Prod Csg: Surf Csg: 8-5/8 @ BP/Sand PBTD: 5225' Pkr/EOT @: Tbg: Size: Wt: Grd: BP: 5380', 5660' PERFORATION RECORD SPF/#shots SPF/#shots Zone Perfs Zone Perfs 4/44 LODC 5262-5273 4/52 CP1 sds 5591-5604' CP3 sds 5736-5750 4/56 A1 sds 4/32 5044-5052' A3 sds 5172-5182 4/40 **CHRONOLOGICAL OPERATIONS**

Date Work Performed:

Day 3a. RU BJ Services. 1302 psi on well. Frac A1 sds w/ 34,720#'s of 20/40 sand in 386 bbls of Lightning 17 fluid. Broke @ 2545 psi Treated w/ ave pressure of 2198 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2600 psi. Leave pressure on well. 2086 BWTR. See Day 3b.

04-Oct-06

SITP:

SICP: 1302 psi

		FL	UID RECOVERY (B	BLS)	<u></u>	
Starting fluid loa	ad to be recovered	1700	Starting oil rec t	o date:		_
Fluid lost/recove	ered today:	386	Oil lost/recovere	ed today:		_
Ending fluid to I	be recovered:	2086	Cum oil recover			_
IFL:	FFL:	FTP:	Choke:	Fina	I Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL			COST	S
Base Fluid used	: Lightning 17	Job Type:	Sand frac		BJ Services-A1	\$14,411
Company:	BJ Services				NPC frac wtr	\$720
Procedure or Ec	uipment detail:		A1 sands		NPC fuel gas	\$125
					Weatherford tools/serv	\$2,450
3300 gals	of pad		<u></u>		NPC Supervisor	\$60
2431 gals	W/ 1-4 ppg of 20/	40 sand				
4890 gals	W/ 4-6.5 ppg of 2	0/40 sand				
509 gals	W/ 6.5 ppg of 20/4	0 sand				
Flush W/	504 gals of 15% H	ICL acid				
Flush W/	4578 gals of slick	water				
Flush ca	illed @ blenderinc	cludes 2 bbls p	ump/line volume			-
Max TP: 235	7 Max Rate: 25.	2 BPM Total fl	uid pmpd: 386 bbl	s		
Avg TP: <u>219</u>	8 Avg Rate: 24.	8 BPM Total P	rop pmpd: 34,720#	s		
ISIP: 260	0 5 min:	10 min:	FG: .95)	DAILY COST:	\$17,766
Completion	Supervisor:	Orson Barney	1		TOTAL WELL COST:	\$454,155



DAILY COMPLETION REPORT

WELL NAME:			Federal 2-17	-9-16	Report Date:	Oct 5, 2006			Day:	<u>3b</u>
Оре	ration:		Completion				Rig:	Rigless		
			· · · · · · · · · · · ·	WEL	STATUS			<u> </u>	W	
Surf Csg:	8-5/8	0	323'	Prod Cs	g: 5-1/2 "	0	6063'	Csg PBTD:	6003'V	NL_
Tbg:	Size:	-	· Wt:	Grd:	Pkr/E	от @: ¯		BP/Sand PBTD:	5005	5'
-	•				<u></u>	-		BP: 5110', 5225'	5380', 5	660'
				PERFORA	TION RECORI	2 ີ				
<u>Zone</u>			<u>Perfs</u>	SPF/#shots	Zo	ne		<u>Perfs</u>	<u>SPF/#st</u>	<u>iots</u>
					LODC	;	5262·	·5273'	4/44	
					CP1 s	ds	5591	-5604'	4/52	
<					CP3 s	ds	5736	·5750'	4/56	
B2 sds	- •	4940	-4954'	4/56						
A1 sds		5044	-5052'	4/32						
A3 sds		5172	2-5182'	4/40	+					
				CHRONOLOG	ICAL OPERAT	IONS	<u>, * , *</u>			
Date Worl	k Perfo	rmea	d: 04-Oc	t-06			SITP:	SICP:	<u>1715 p</u>	osi

Day 3b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 14' perf gun. Set plug @ 5005'. Perforate B2 sds @ 4940- 54' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 56 shots. RU BJ Services. 1715 psi on well. Frac B2 sds w/ 59,969#'s of 20/40 sand in 475 bbls of Lightning 17 fluid. Broke @ 4136 psi Treated w/ ave pressure of 1792 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #7. ISIP 1900 psi. Leave pressure on well. 2561 BWTR. See Day 3c.

			FL	UID RECO	VERY (BBL	<u>S)</u>			
Startin	ng fluid load	to be recover	red: <u>2086</u>	Starti	ng oil rec to d	late:		_	
Fluid	lost/recove	red today:	475	Oil los	st/recovered t	oday:		-	
Endin	g fluid to be	e recovered:	2561	Cum d	oil recovered:				
IFL:		_ FFL:	FTP:	<u> </u>		Fina	I Fluid Rate:	Final oil	cut:
		STIMU	LATION DETAIL				COST	S	
Base	Fluid used:	Lightning	17 Job Type:	San	d frac	_	BJ Services-B2	<u> </u>	\$19,035
Comp	any:	BJ Services	· · ·				NPC frac wtr		\$1,224
Proce	dure or Equ	ipment detail:	:	<u>B2 sands</u>			NPC fuel gas	<u> </u>	\$213
							Weatherford tools/serv	, ·	\$2,450
-	4600 gals (of pad					Lone Wolf WL-B2	<u> </u>	\$4,512
-	3000 gals \	W/ 1-5 ppg of	20/40 sand				NPC Supervisor		\$60
	6000 gals '	W/ 5-8 ppg of	20/40 sand						
-	1478 gals \	W/ 8 ppg of 20)/40 sand					_	
	Flush W/ 5	04 gals of 159	% HCL acid			_			
	Flush W/ 4	368 gals of sli	ck water			_			
-	**Flush cal	ed @ blender	-includes 2 bbls pu	ump/line vo	olume**	_			
Ma	x TP: 2123	Max Rate:	25.3 BPM Total fl	uid pmpd:	475 bbls				
Av	g TP: <u>1792</u>	Avg Rate:	24.9 BPM Total P	rop pmpd:	59,969#'s	_			
	ISIP: 1900	5 min:	10 min:		FG: <u>.82</u>	-	DAILY COST:		\$27,494
Co	mpletion \$	Supervisor:	Orson Barney				TOTAL WELL COST:		\$481,649



DAILY COMPLETION REPORT

WELL NAME:			Federal 2-17	-9-16	Report Date:		Oct 5, 2006				Day: 3c
Оре	ration:		Completion					Rig:	Rigless		
				WE	LL ST	ATUS			······································		
Surf Csg:	8-5/8	0	323'	Prod C	Csg:	5-1/2"	0	6063'	Csg P	BTD:	6003'WL
Tbg:	Size:	-	Wt:	Grd:		Pkr/E(от @: ¯		BP/Sand P	BTD:	4840'
-								BP:	5005', 5110', 9	5225',	5380', 5660'
				PERFOR	RATIO	N RECOR	ב ב				
Zone			Perfs	SPF/#shots		Zo	ne		<u>Perfs</u>		SPF/#shots
						LODC		5262-5273'			4/44
				······		CP1 s	ds	5591	-5604'		4/52
D2 sds		4727	'-4741'	4/56		CP3 s	ds	5736	-5750'		4/56
B2 sds		4940	-4954'	4/56		<u> </u>					
A1 sds		5044	-5052'	4/32							
A3 sds	- ·	5172	-5182'	4/40				-			
				CHRONOLO	GICAL	OPERAT	IONS				
Date Worl	(Perfo	rmec	l: 04-Oc	t-06				SITP:	S	ICP:	1469 psi

Day 3c.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 14' perf gun. Set plug @ 4840'. Perforate D2 sds @ 4727- 41' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 56 shots. RU BJ Services. 1469 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid (2 runs due to misfire). RU BJ Services. 1340 psi on well. Frac D2 sds w/ 34,580#'s of 20/40 sand in 374 bbls of Lightning 17 fluid. Broke @ 4039 psi Treated w/ ave pressure of 1871 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #8. ISIP 2050 psi. Leave pressure on well. 2935 BWTR. See Day 3d.

		FL	UID RECO	VERY (BBL	<u>S)</u>		
Starting fluid	load to be recovered:	2561	Startin	ng oil rec to d	late:		
Fluid lost/rec	overed today:	374	Oil los	t/recovered t	today:	· · · ·	
Ending fluid t	to be recovered:	2935	Cum c	oil recovered:	:		
IFL:	FFL:	FTP:	Choke:		Fina	I Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL				COST	<u>s</u>
Base Fluid us	ed: Lightning 17	Job Type:	Sand	d frac	_	BJ Services-D2	\$23,067
Company:	BJ Services	_			-	NPC frac wtr	\$720
Procedure or	Equipment detail:		D2 sands			NPC fuel gas	\$125
					_	Weatherford tools/serv	\$2,450
3300 g	als of pad				-	Lone Wolf WL-D2	\$4,512
<u>2431 g</u>	als W/ 1-4 ppg of 20/4	40 sand			-	NPC Supervisor	\$60
<u>4890 g</u>	als W/ 4-6.5 ppg of 20	0/40 sand			-		
341 ga	Is W/ 6.5 ppg of 20/40) sand			-		
Flush V	<u>N/ 5</u> 04 gals of 15% H	CL acid			_		
Flush V	N/ 4242 gals of slick v	vater			_		
Flush	called @ blenderinc	ludes 2 bbls pi	ump/line vo	lume	_		
Max TP: 2	090 Max Rate: 25.3	BPM_Total fi	uid pmpd:	374 bbls	_		
Avg TP: <u>1</u>	871 Avg Rate: 24.9	BPM Total P	rop pmpd:	34,580#'s	_		
ISIP: 2	.050 5 min:	10 min:	······	FG: <u>.87</u>	-	DAILY COST:	\$30,934
Completi	on Supervisor: (Orson Barney			-	TOTAL WELL COST:	\$512,583





					IMPLE	IIUN KEP	UKI				
WELL N	NAME:		Federal 2-17	-9-16	Re	port Date:	<u> </u>	t 5, 2006		Day: <u>3</u> 0	<u> </u>
Оре	eration:		Completion		•			Rig:	Rigless		
				M	/ELL ST	TATUS		<u></u>		<u></u>	-
Surf Csg:	8-5/8	0	323'	Prod	i Csg:	5-1/2"	0	6063'	Csg PBTD	: 6003'WL	<u>.</u>
Tbg:	Size:	_	Wt:	Grd:		Pkr/E	от @:		BP/Sand PBTD	: 4540'	_
-	-		<u> </u>					BP: 4840', 5	005', 5110', 5225	', 5380', 566	0'
				PERFO	DRATIO	N RECOR	<u>D</u>				
Zone			Perfs	SPF/#shots		Zo	one	i	Perfs	SPF/#sho	ts
						LODO)	5262-	5273'	4/44	
PB10		4431	-4443'	4/48		CP1 s	sds	5591-5	5604'	4/52	
D2 sds		4727	'-4741'	4/56		CP3 s	sds	5736-5	5750'	4/56	
B2 sds		4940	-4954'	4/56							
A1 sds		5044	-5052'	4/32							
A3 sds		5172	2-5182'	4/40							
				CHRONOL	OGICA	L OPERAT	IONS				
Date Worl	k Perfo	rmec	d: <u>04-Oc</u>	t-06				SITP:	SICP	: <u>1492 ps</u>	<u>i</u>

Day 3d.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 12' perf gun. Set plug @ 4540'. Perforate PB10 sds @ 4431- 43' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 48 shots. RU BJ Services. 1492 psi on well. Frac PB10 sds w/ 50,316#'s of 20/40 sand in 406 bbls of Lightning 17 fluid. Broke @ 2573 psi Treated w/ ave pressure of 2487 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #9. ISIP 2650 psi. Leave pressure on well. 3341 BWTR. See Day 3e.

		FLU	JID RECO	VERY (BBLS	<u>5)</u>			
Starting fluid loa	ad to be recovere	d: <u>2935</u>	Startii	ng oil rec to da	ate:		_	
Fluid lost/recove		406		st/recovered to	oday:		_	
Ending fluid to b	e recovered:	3341	Cum o	oil recovered:		,	_	
IFL:	FFL:	FTP:	<u>Choke</u> :		Fina	Fluid Rate:	Final oil cut	!: <u></u>
	STIMUL	ATION DETAIL				COST	S	
Base Fluid used	: Lightning 1	7 Job Type:	Sand	d frac		BJ Services-PB10	\$*	6,850
Company:	BJ Services					NPC frac wtr		\$1,008
Procedure or Eq	uipment detail:	P	B10 sands	ŝ		NPC fuel gas		\$175
						Weatherford tools/serv		62,450
<u>3800 gals</u>	of pad					Lone Wolf WL-PB10		63,867
2625 gals	W/ 1-5 ppg of 2	0/40 sand				NPC Supervisor		\$60
5250 gals	W/ 5-8 ppg of 2	0/40 sand						
925 gals \	N/ 8 ppg of 20/4	0 sand						
Flush W/	504 gals of 15%	HCL acid						
Flush W/	3948 gals of slic	k water						
Flush ca	lled @ blenderi	ncludes 2 bbis pu	mp/line vo	olume				
Max TP: 267	6 Max Rate: 2	5.2 BPM Total flu	iid pmpd:	406 bbls				
Avg TP: 248	7 Avg Rate: 24	4.7 BPM Total Pr	op pmpd:	50,316#'s				
ISIP: 265	05 min:	10 min:		FG: <u>1.03</u>		DAILY COST:	\$2	24,410
Completion	Supervisor:	Orson Barney				TOTAL WELL COST:	\$53	36,993

FIELD



10 of 15 DAILY COMPLETION REPORT Day: 3e **Report Date:** Oct 5, 2006 WELL NAME: Federal 2-17-9-16 **Operation:** Completion Rig: Rigless WELL STATUS Csg PBTD: 6003'WL 5-1/2" 6063' 8-5/8 323 Prod Csg: @ a **BP/Sand PBTD:** Size: Wt: Grd: Pkr/EOT @: 4310' BP: 4540', 4840', 5005', 5110', 5225', 5380', 5660' PERFORATION RECORD SPF/#shots SPF/#shots Zone Perfs Perfs 4/44 4202-4209 LODC 5262-5273 4/28 5591-5604 4/52 4431-4443 4/48 CP1 sds 4/56 CP3 sds 5736-5750 4/56 4727-4741' 4940-4954' 4/56 5044-5052' 4/32

ATTACHMENT G-/

SITP:

SICP: 2040 psi

CHRONOLOGICAL OPERATIONS

4/40

04-Oct-06

Date Work Performed:

5172-5182'

Dav 3e.

Surf Csg:

Zone

GB6 sds

PB10

D2 sds

B2 sds

A1 sds

A3 sds

Tbg:

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 7' perf gun. Set plug @ 4310'. Perforate PB10 sds @ 4202- 09' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 28 shots. RU BJ Services. 2040 psi on well. Frac GB6 sds w/ 31,683#'s of 20/40 sand in 336 bbls of Lightning 17 fluid. Broke @ 2853 psi Treated w/ ave pressure of 2175 psi @ ave rate of 24.9 BPM. ISIP 2200 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 9 1/2 hrs & died. Rec. 580 BTF (16% of total frac). SIWFN w/ 3097 BWTR.

			FL	UID RECOVERY (E	<u> BBLS)</u>		
Starti	ing fluid loa	d to be recovered:	3341	Starting oil rec	to date:		
Fluid	lost/recove	red today:	244	Oil lost/recove	red today:		
Endir	ng fluid to b	e recovered:	3097	Cum oil recove	ered:		
IFL:		FFL:	FTP:	<u> </u>	Fina	I Fluid Rate:	Final oil cut:
		STIMULA	TION DETAIL	<u></u>		COST	<u>s</u>
Base	Fluid used:	Lightning 17	Job Type:	Sand frac		BJ Services-GB6	\$12,483
Com	pany:	BJ Services	_			NPC frac wtr	\$648
Proce	edure or Eq	uipment detail:	2	BB6 sands		NPC fuel gas	\$113
						Weatherford tools/serv	\$2,450
	3000 gals	of pad		-		Lone Wolf WL-GB6	\$2,256
	2319 gals	W/ 1-4 ppg of 20/4	10 sand			NPC Supervisor	\$60
	4719 gals	W/ 4-6.5 ppg of 20)/40 sand	A		NPC flowback hand	\$350
	Flush W/ 4	1074 gals of slick v	vater			Unichem chemicals	\$450
					······		
	 						
			BPM Total fl				•••••
A		5 Avg Rate: 24.9	BPM Total P	• • • • • • • • • • • • • • • • • • • •			
	ISIP: 2200	05 min:	10 min:	FG: <u>.9</u>	6	DAILY COST:	\$18,810
C	ompletion	Supervisor: (Orson Barney	,		TOTAL WELL COST:	\$555,803





DAILY COMPLETION REPORT

WELL N	IAME:	F	ederal 2-1	17-9-16		Rep	ort Date:	Oct	t 6, 2006		Day:
Ope	ration:	Cor	mpletion						Rig:	NC#2	2
					WE	ELL STA	ATUS			<u></u>	
Surf Csg:	8-5/8	0	323'		Prod	Csg:	5-1/2"	0	6063'	Csg PB1	TD: 6003'WL
Tbg:	Size:	2 7/8"	Wt:	6.5#	Grd:	J-55	Pkr/E	ОТ @: Т		BP/Sand PB	TD:
•	-							BP: 4	540', 4840',	5005', 5110', 52	25', 5380', 5660'
					PERFO	RATION	RECOR	D			
Zone		Per	is is	SPF	/#shots		Zo	ne		Perfs	SPF/#shots
GB6 sds		4202-420	9'	4/2	B		LODO	;	5262·	-5273'	4/44
PB10		4431-444	3'	4/4	B		CP1 s	ds	5591-	-5604'	4/52
D2 sds		4727-474	1'	4/5	6		CP3 s	ds	5736	-5750'	4/56
B2 sds		4940-495	4'	4/5	6			••••••			
A1 sds		5044-505	2'	4/3	2						
A3 sds		5172-518	2'	4/4	0						
	<u>-</u> -			СН	RONOLC	GICAL	OPERAT	IONS			
Date Work	c Perfo	rmed:	10/	5/06					SITP:	SIC	P: <u>300</u>

MIRU NC#2. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" tbg. Tag CBP @ 4310'. RU powerswivel & pump. DU CBP in 35 min. Circulate well clean. SWIFN.

		FLU	ID RECOVERY (I	BBLS)		
Starting fluid	d load to be recovered:	3097	Starting oil rec	to date:		
Fluid lost/reg	covered today:	50	Oil lost/recove	red today:		· ·
Ending fluid	to be recovered:	3047	Cum oil recove	ered:		
IFL:	FFL:	_ FTP:	Choke:	Final	Fluid Rate:	Final oil cut:
	STIMULA	TION DETAIL			COST	<u>s</u>
Base Fluid u	ised:	_ Job Type:			NC#2	\$3,171
Company:	·····				Weatherford BOP	\$210
Procedure o	r Equipment detail:				Weatherford P.S.	\$850
					B&L new 2 7/8" tbg.	\$28,892
					NPC location cleanup	\$300
					NDSI Water & trucks	\$400
					NDSI Trucking	\$1,200
					NPC trucking	\$600
					Mtn West sanitation	\$600
·					Mecham Const.	\$19,500
					Monks pit reclaim	\$1,800
Max TP:	Max Rate:	Total flu	id pmpd:		NPC surface equip.	\$130,000
Avg TP:	Avg Rate:	Total Pro	op pmpd:	`	NPC Supervision	\$300
ISIP:	5 min:	10 min:	FG:		DAILY COST:	\$187,823
Complet	ion Supervisor:	Don Dulen			TOTAL WELL COST:	\$743,626



	DAILY COMPLETION REPORT													
WELL N	AME:		Fed	eral 2-	17-9-16		Rej	port Date:	Oct	7, 2006	-		Day:	5
Оре	ration:	-	Comp	letion						Rig:		NC#2		
. <u> </u>						W	ELL ST	ATUS						
Surf Csg:	8-5/8	0	323	3'		Prod	Csg:	5-1/2"	0	6063'	C	sg PBTD:	604	2'
Tbg:	Size:	2 7	/8"	Wt:	6.5#	Grd:	J-55	Pkr/ <u>E</u>	<u>o</u> ı@: _	6000'	<u>BP</u> /Sa	ind PBTD:		
					J	PERFC	RATIO	N RECOR	D					
Zone			Perfs		SPF/	#shots		Zo	one		Perfs		SPF/#s	hots
GB6 sds		4202-	4209'		4/28			LODO	2	5262	-5273'		4/44	
PB10		4431-	4443'		4/48			CP1 s	sds		-5604'		4/52	
D2 sds		4727-	4741'		4/56			CP3 :	sds	5736	-5750'		4/56	
B2 sds		4940-	4954'		4/56			•						
A1 sds		5044-	5052'		4/32									
A3 sds		5172-	5182'		4/40									
	<u> </u>				CHR	ONOL	OGICAL	OPERAT	IONS					<u> </u>
Date Work	Perfo	med:		10	/6/06	_				SITP:	100	SICP:	10	<u>)</u>
Bleed off w 30 min. Co 5110' (60' 6 Tag @ 527 @ 5660' (1 Circulate w	ont. RII of sand 72'. C/0 15' of s	H w/ t). DL D to C and).	bg. Ta J CBP BP @ DU C	ag CBF in 30 r 5380' CBP in	P @ 5005 min. Cont (108' of s 50 min.	'. DU t. RIH v and). I Cont. I	CBP in w/ tbg. DU CBF	30 min. C Tag CBP (? in 30 mir	Cont. RII @ 5225 n. Cont.	H w/ tbg. '. DU CBF . RIH w/ tb	Tag @ (P in 30 r g. Tag	5050'. C/0 nin. Cont @ 5645'.	O to CE . RIH w C/O to	BP @ // tbg. / CBP

	an af the second se	FL	JID RECOVERY	(BBLS)		
Starting fluid lo	oad to be recovered:	3047	Starting oil r	ec to date:		_
Fluid lost/ <u>reco</u>	<u>vered</u> today:	120	Oil lost/recov			-
Ending fluid to	be recovered:	3167	Cum oil reco			-
IFL:	FFL:	FTP:	Choke:	Final	Fluid Rate:	_Final oil cut:
	STIMULA	TION DETAIL			COST	S
Base Fluid use	ed:	Job Type:			NC#2	\$5,483
Company:					Weatherford BOP	\$210
Procedure or E	Equipment detail:				Weatherford P.S.	. \$850
					CDI TAC	\$525
					CDI PSN	I \$80
		·		<u> </u>	CDI rod pump	<u> </u>
					· · · · · · · · · · · · · · · · · · ·	
	1 					
Max TP:	Max Rate:	Total flu	uid pmpd:			
Avg TP:	Avg Rate:	Total P	rop pmpd:		NPC Supervision	n \$300
ISIP:	5 min:	10 min:	FG:		DAILY COST:	\$8,848
Completio	n Supervisor:	Don Dulen			TOTAL WELL COST:	\$752,474



DAILY COMPLETION REPORT Report Date: Oct 10, 2006 Day: 6 Federal 2-17-9-16 WELL NAME: **NC#2** Rig: **Operation:** Completion WELL STATUS 6042' 5-1/2" 6063' **Csg PBTD:** Surf Csg: 8-5/8 323' Prod Csg: @ 0 BP/Sand PBTD: 2 7/8" 5835' Tbg: Size: Wt: 6.5# Grd: J-55 Pkr/EOT @: **PERFORATION RECORD** SPF/#shots SPF/#shots Zone Perfs Zone Perfs 4202-4209 4/44 GB6 sds 4/28 LODC 5262-5273' 4/48 5591-5604' 4/52 **PB10** 4431-4443' CP1 sds 4727-4741 5736-5750 4/56 D2 sds 4/56 CP3 sds 4/56 B2 sds 4940-4954' 4/32 A1 sds 5044-5052' A3 sds 5172-5182' 4/40 CHRONOLOGICAL OPERATIONS **Date Work Performed:** 10/9/06 SITP: 50 SICP: 50

RIH w/ swab. SFL @ surface. Made 17 runs. Recovered 160 bbls (159 water, 1 oil). No show of sand or gas. Ending oil cut @ approx. 5%. EFL @ 1000'. RD swab. RIH w/ tbg. Tag PBTD @ 6042'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" NC, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 180 jts 2 7/8" tbg. ND BOP. Set TAC @ 5704' w/ 16,000# tension. NU wellhead. X-over for rods. SWIFN.

· · · · · · · · · · · · · · · · · · ·	FLUID	RECOVERY (BBLS)	1	
Starting fluid load to be recovered:	3167	Starting oil rec to da	ite: 0	
Fluid lost/ <u>recovered</u> today:	130	Oil lost/recovered to	day: 1	
Ending fluid to be recovered:	3037	Cum oil recovered:	11	
IFL: FFL:	FTP: C	hoke:	Final Fluid Rate:	Final oil cut:
STIMULAT	ION DETAIL		<u>CO</u> 8	TS
Base Fluid used:	Job Type:		NCŧ	<u>\$5,356</u>
Company:			Weatherford BC	DP \$210
Procedure or Equipment detail:			NPC Truckir	ng \$300
			uguyuu guunaa saaa saa saa saa saa saa saa saa saa	<u></u>
	<u> </u>			<u></u>
•		. <u></u>	······	
		·····		
			· · · · · · · · · · · · · · · · · · ·	
		·····		
Max TP: Max Rate:	Total fluid p	mpd:	adalah manana ang katalah sana ang katalah sana ang katalah sana ang katalah sana sana sana sana sana sana san	
Avg TP: Avg Rate:	Total Prop		NPC Supervisio	on \$300
ISIP: 5 min:	10 min:	FG:	DAILY COST:	\$6,166
Completion Supervisor:	Don Dulen	-	TOTAL WELL COS	



WELL NAME:				REPORT				
	Federal	2-17-9-16	Report D	Date: Oc	t 11, 2006		Day:	7
Operation:	Completic	on			Rig:	<u>NC</u>	;#2	
			WELL STATUS	<u> </u>				
Surf Csg: 8-5/8	@ 323'		Prod Csg: 5-1/2		6063'	Csg F	PBTD: 604	42'
Tbg: Size:	2 7/8" Wt:	6.5#	Grd: <u>J-55</u> F	Pkr/EOT @:	5835'	BP/Sand F	PBTD:	
		1	PERFORATION REC					
Zone	Perfs	-	shots	Zone		Perfs	SPF/#	sho
	4202-4209'	4/28		.ODC	5262	-5273'	4/44	
	4431-4443'	4/48		P1 sds		-5604'	4/52	
	4727-4741'	4/56	<u>C</u>	P3 sds	5736	-5750'	4/56	
and the second se	4940-4954' 5044-5052'	4/56 4/32			<u> </u>			
	5172-5182'	$-\frac{4/32}{4/40}$	<u> </u>		<u> </u>	,	• • • • • • • • • • • • • • • • • • •	
			ONOLOGICAL OPE	RATIONS	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
Date Work Perfo	rmed: 1	10/10/06			SITP:	0 9	SICP: ()
			- ımp, 6- 1 1/2" weight			······	• <u></u> ···	
					-			
							,	
						<u> </u>	• •	
Starting fluid load	to be recovered:	E 3037	LUID RECOVERY (Starting oil red			<u> </u>	•	
-		<u>3037</u> 0		c to date:		1		
Fluid lost/recovere	ed today: recovered:	<u>3037</u> 0 3037	Starting oil rec Oil lost/recove Cum oil recov	c to date: ered today: ered:		0		
Fluid lost/recovere	ed today:	<u>3037</u> 0	Starting oil red Oil lost/recove	c to date: ered today: ered:		0	Final oil cut:	
Fluid lost/recovere Ending fluid to be IFL:	ed today: recovered:	<u>3037</u> 0 3037	Starting oil rec Oil lost/recove Cum oil recov	c to date: ered today: ered:		0 1 <u>COST</u>	<u>S</u>	
Fluid lost/recovere Ending fluid to be IFL: PRODUCTI	ed today: recovered: FFL: ON TBG DETAIL 3 12.00'	<u>3037</u> 0 3037 FTP:	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL	c to date: ered today: ered:	I Fluid Rate:	0 1 <u>COST</u> NC#2	<u>s</u> \$	4,52
Fluid lost/recovere Ending fluid to be IFL: PRODUCTI KE 180 2 7/8" J-55 tb	ed today: recovered: FFL: ON TBG DETAIL 3 12.00'	<u>3037</u> 0 3037 FTP:	Starting oil rec Oil lost/recove Cum oil recov Choke:	c to date: ered today: ered:	I Fluid Rate:	0 1 <u>COST</u>	<u>s</u> \$	4,52
Fluid lost/recovere Ending fluid to be IFL: PRODUCTI	ed today: recovered: FFL: ON TBG DETAIL 3 12.00'	<u>3037</u> 0 3037 FTP: 	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL	c to date: ered today: ered:	I Fluid Rate:	0 1 <u>COST</u> NC#2	<u>s</u> \$4 \$4	4,52 4,00
Iluid lost/recovere Ending fluid to be IFL: PRODUCTI KE 180 2 7/8" J-55 tb	ed today: recovered: FFL: ON TBG DETAIL 3 12.00' 19 5692.60' 5704.60'	<u>3037</u> 0 3037 FTP: 	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL	c to date: ered today: ered:	I Fluid Rate: NPC frac th	0 1 <u>COST</u> NC#2 (10x10days)	S \$4 \$4	4,5: 4,0(\$5(
Fluid lost/recovere Ending fluid to be IFL: PRODUCTIN BODUCTIN 180 2 7/8" J-55 tb TA 2.80'	ed today: recovered: FFL: ON TBG DETAIL 3 12.00' 19 5692.60' 5704.60'	3037 0 3037 FTP: 	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL " X 22' polished rod 6' x 3/4" pony subs	c to date: ered today: ered:	NPC frac th	0 1 COST NC#2 (10x10days) C frac head	S\$, \$, 	4,5 4,0 \$5 \$1
Fluid lost/recovere Ending fluid to be IFL: PRODUCTI 180 2 7/8" J-55 th TA 2.80' 2 2 7/8" J-55 th	ed today: recovered: FFL: ON TBG DETAIL 3 12.00' og 5692.60' 5704.60' bg 63.23' 5770.63'	<u>3037</u> 0 3037 FTP: <u>1 1/2</u> <u>1 - 2',</u> 100-3 114-	Starting oil rec Oil lost/recove Cum oil recove Choke: <u>ROD DETAIL</u> " X 22' polished rod 6' x 3/4" pony subs 3/4" scrapered rods	c to date: ered today: ered:	NPC frac the NPC swa Weatherford	0 1 <u>COST</u> NC#2 (10x10days) C frac head b tk(4 days)	S\$4	4,52 4,00 \$50 \$10 1,1
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Fluid lost/recovere Ending fluid to be IFL:	ed today: recovered: FFL: 3 12.00' g 5692.60' 5704.60' bg 63.23' 5770.63' bg 63.21' .45'	<u>3037</u> 0 3037 FTP: <u>1 1/2</u> <u>1 - 2',</u> <u>100-3</u> <u>114-</u> <u>10-3/</u> <u>6-1 1</u>	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL " X 22' polished rod 6' x 3/4" pony subs 3/4" scrapered rods 3/4" plain rods	c to date: ered today: ered:	NPC frac th NPC frac th NPC swa Weatherfo "B" grac	0 1 COSTS NC#2 (10x10days) C frac head b tk(4 days) ord chomp bit le rod string	S	4,52 4,00 \$50 \$10 1,15 9,30
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Fluid lost/recovere Ending fluid to be IFL: PRODUCTION 180 27/8" J-55 tb TA 2.80' 2 27/8" J-55 tb SN 1.10' 2 27/8" J-55 t 27/8" NC.	ed today: recovered: FFL: 3 12.00' g 5692.60' 5704.60' bg 63.23' 5770.63' bg 63.21' .45'	3037 0 3037 FTP: 1 1/2 1-2', 100-3 114- 10-3/ 6-1 2 CDI 2 RHA	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL " X 22' polished rod 6' x 3/4" pony subs 3/4" scrapered rods 3/4" plain rods 4" scrapered rods 1/2" weight bars	c to date: ered today: ered:	NPC frac th NPC frac th NPC swa Weatherfo "B" grac	0 1 COSTS NC#2 (10x10days) C frac head b tk(4 days) ord chomp bit le rod string	S	4,52 4,00 \$50 \$10 1,15 9,30
Fluid lost/recovere Ending fluid to be IFL:	ed today: recovered: FFL: 3 12.00' g 5692.60' 5704.60' bg 63.23' 5770.63' bg 63.21' .45' 5.39'	3037 0 3037 FTP: 1 1/2 1- 2', 100- 3 114- 10- 3/ 6- 1 7 CDI 2 RHA	Starting oil rec Oil lost/recove Cum oil recove Choke: ROD DETAIL " X 22' polished rod 6' x 3/4" pony subs 3/4" scrapered rods 3/4" plain rods 1/2" weight bars 1/2" weight bars 1/2" x 1 1/2" x 14' C pump	c to date: ered today: ered:	NPC frac th NPC frac th NPC swa Weatherfo "B" grac Polish	0 1 COSTS NC#2 (10x10days) C frac head b tk(4 days) ord chomp bit le rod string	SS	4,52 4,00 \$50 \$16 1,15 9,30 1,30 1,30 \$30
Fluid lost/recovere Ending fluid to be IFL: PRODUCTIN KE 180 2 7/8" J-55 tb TA 2.80' 2 2 7/8" J-55 t SN 1.10' 2 2 7/8" J-55 t 2 7/8" NC. EOT @ 583 Max TP:	recovered:	3037 0 3037 FTP: 1 1/2 1- 2', 100- 3 114- 10- 3/ 6- 1 7 CDI 2 RHA	Starting oil rec Oil lost/recove Cum oil recove Choke:	c to date: ered today: ered:	NPC frac the NPC frac the NPC swa Weatherfor "B" grac Polish	0 1 <u>COSTS</u> NC#2 (10x10days) C frac head b tk(4 days) ord chomp bit le rod string hed rod pkg.	S S S S S S S S S S	4,52 4,00 \$50 \$16 1,15 9,30 1,30 1,30 \$30 1,24





DAILY COMPLETION REPORT

WELL N	AME:	Fe	deral 2-1	7-9-16		Rep	oort Date:	3-	20-08			Day:	1
Ope	ration:	Com	pletion						Rig:		NC#2		
					WE	ELL ST	ATUS	80					
Surf Csg:	8-5/8	@ 32	23'		Prod	Csg:	5-1/2"	0	6063'	Cs	g PBTD:	604	42'
Tbg:	Size:	2 7/8"	Wt:	6.5#	Grd:	J-55	Pkr/E	от @: _	5835'	<u>BP</u> /San	d PBTD:		
					PERFO	RATIO		D					
Zone		<u>Perfs</u>		<u>SPF</u>	/#shots		<u>Z</u> c	one		<u>Perfs</u>		<u>SPF/#</u>	<u>shots</u>
GB6 sds		4202-4209	•	4/28	3		LOD	С	5262-	·5273'		4/44	
PB10		4431-4443	1	4/48	3		CP1	sds	5591-	-5604'		4/52	
D2 sds		4727-4741	I	4/56	;		CP3	sds	5736-	-5750'		4/56	
B2 sds	- ·	4940-4954	•	4/56	;								<u> </u>
A1 sds		5044-5052	,	4/32	2								
A3 sds		5172-5182	,	4/40)		-						
				CH	RONOLO	DGICAL	OPERA	TIONS					
Date Work	c Perfo	rmed:	3/1	9/08					SITP:	0	SICP:	C)

6:30AM MIRU NC#1, R/D Unit, Wt On Wtr, R/U ZHO, pmp 60 Bbls Wtr D/Csg, Unseat pmp, POOH W/-Polish Rod 3/4x2'-6' Ponys, 1-3/4 Guided Rod, R/U H/Oiler To Tbg, Flush Tbg W/-15 Bbls Wtr, (Note) Pressured Up To 1500 Psi Rods & pmp Were Stuck, R/U H/Oiler To Csg, pmp 40 Bbls Wtr D/Csg While Working Rods & pmp Free. POOH W/-99-3/4 Guided Rods, 114-3/4 Slick Rods, 10-3/4 Guided Rods, 6-1 1/2 Wt Bars & pmp, Flushed Tbg W/-20 Bbls Wtr Or Trip Out Due To Oil. R/U S/Line, RIH To PBTD @ 6042', No Fill. ZHO Flush Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x10x14' RHAC & Rod String Shown Below. Seat pmp, R/U Unit, Fill Tbg W/-5 Bbls Wtr, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 6:30PM 86"SL, 5 SPM. (Final Report).

			FLUID RECOVERY (BBL	. <u>S)</u>		
Starti	ng fluid load to be recovered:	0	Starting oil rec to o	date:		_
Fluid	lost/recovered today:	140	Oil lost/recovered	today:		_
Endir	ng fluid to be recovered:	140	Cum oil recovered	:		_
IFL:	FFL:	FTP:	Choke:	_ Fina	I Fluid Rate:	Final oil cut:
	TUBING DETAIL		ROD DETAIL		COST	S
KB	= 12.0		1 1/2x22' Polish Rod			
180	Jts Tbg = 5692.60		3/4x2'-6' Ponys	_		
T/A	= 2.80 @ 5704.60 KB		100-3/4 Guided Rods 1 Top	New		
2	Jts Tbg = 63.23		104-3/4 Slick Rods	_		
S/N	= 1.10 @ 5770.63 KB		20-3/4 Guided Rods 10 Bttm	New		
2	Jts Tbg = 63.21		6-1 1/2 Wt Bars			
N/C	= .45 @ 5835.39 KB		CDI-2 1/2x1 1/2x10x14'			
			RHAC	_		
				_		
				_		
					DAILY COST:	\$0
C	ompletion Supervisor: D	uane F	reston.		TOTAL WELL COST:	

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

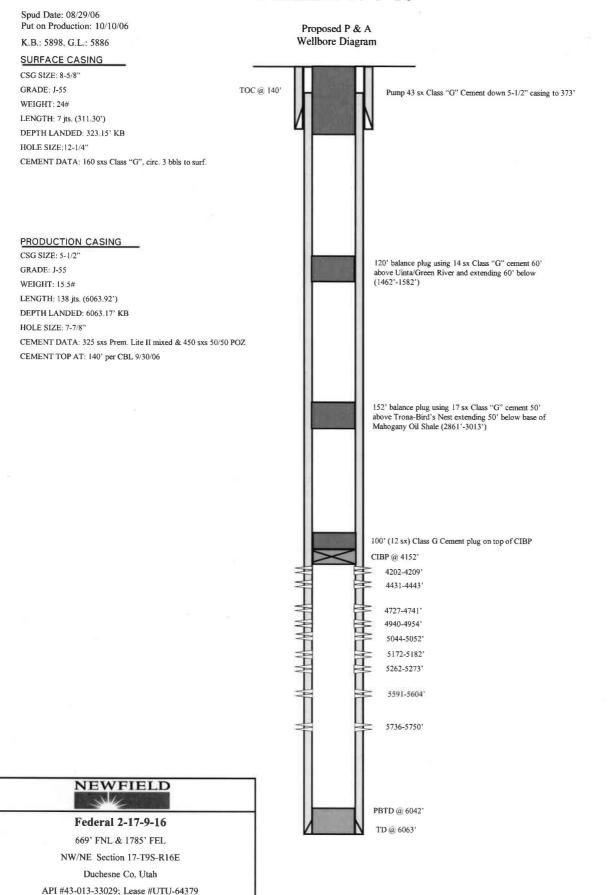
1.		Set CIBP @ 4152'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	152' balance plug using 17 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14 sx Class "G" cement 60'above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 43 sx Class "G" cement down 5 1/2" casing to 373'

The approximate cost to plug and abandon this well is \$42,000.

Federal #2-17-9-16

ATTACHMENT H-1

Federal 2-17-9-16



	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9
D	IVISION OF OIL, GAS, AND MININ	NG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
SUNDRY	NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
below current bottom-h	r proposals to drill new wells, significantly ole depth, reenter plugged wells, or to dri PERMIT TO DRILL form for such proposals	ill horizontal laterals.	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: Federal 2-17-9-16
2. NAME OF OPERATOR: Newfield Production Compar	ny		9. API NUMBER: 43013330290000
3. ADDRESS OF OPERAT 4 Waterway Square Place, Su	OR: hite 100, The Woodlands, TX, 77380	PHONE NUMBER: 435-646-4802	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE 669 FNL 1785 FEL OTR/OTR. SECTION. TO	: : DWNSHIP, RANGE, MERIDIAN:		COUNTY: DUCHESNE
	7 Township: 9S Range: 16E Meridian: S		STATE: UTAH
11. CHECł	APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE	, REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTIO)N
On 10/08/2019 N concerning the 5 Yea pressured up to 108 well was injecting du	ACIDIZE	DOGM was contacted /11/2019 the casing th no pressure loss. as 1815 psig during t	NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: <u>5 YR MIT</u> Including dates, depths, volumes, etc. Was Accepted by the The Utah Division of Oil, Gas and Mining
NAME (PLEASE PRINT)	PHONE NUMBI		
Lucy Chavez-Naupoto SIGNATURE	435 646-4874	Field Production Assista	int
N/A		10/15/2019	

Sundry Number: 100043 API Well Number: 43013330290000

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

Newfield Production Company 10530 South County Rd #33 Myton, UT 84052 435.646.3721

UDOGM Witness: Test Conducted By: Others Present:	АКК СЭШУПП ЕП ИNRUH		Date: <u>10 -11 - 20</u>	Time:	7:46 @mpm
Well Name: Feber	EAL 2.17.9.	14			
Field: Monument P			County: Duc	hesne	State: ut
Location: NWNE Sec:	17	T q	N /(S)	R 16	€/ W
Operator: Newfield			API# 43-013	- 33039	
Last MIT: 11 / 10 / 2014	<u>†</u>	Maximu	ım Allowable Pressi	ire: 1868	psig
Is this a regulary sche Initial Test for Permi Test after well rework Well injection during	t? k? test?	{ Yes { Yes { Yes { Yes { Yes Yes	No No No		<u>34</u> bpd
Pre-test casing / tubing ann		e		1813	_ psig
MIT DATA TABLE	Test #1		Test #2		
TUBING	PRESSURE				
Initial Pressure	1813			psig	
End of test pressure	1815		and the second se	psig	
CASING / TUBING	ANNULUS		PRESSURE		
0 minutes	1088.	6 psig		psig	
5 minutes	1088.0	🤈 psig		psig	
10 minutes	1087.	8 psig		psig	
15 minutes	1087.2			psig	
20 minutes		psig		psig	
25 minutes		psig		psig	
30 minutes		psig		psig	
minutes		psig	5	psig	
minutes		psig		psig	
RESULT {>>	J Pass	{ } Fail	{ } Pass	{ } F	ail

Does the annulus pressure build back up after test?

{ } Yes

{ 🔀 No

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Multhe

Signature of Person Conducting Test: Sugart 1/ma

Federal 2-17-9-16 (10/11/2019, 5 yr. MIT) 10/11/2019 7:43:09 AM

Legend	P23420 Absolute Pressure													8:03:20 AM 10/11/2015 -06:00
)											-	8:00:00 AM 10/11/2019 -06:00
									-					7:56:40 AM 10/11/2019 -06:00
														7:53:20 AM 10/11/2019 -06:00
														/:50:00 AM 10/11/2019 -06:00
														/:46:40 AM 10/11/2019 -06:00
1900	1800 <u>––</u>	1700	15 00 14 10 10	1400	1200 1200) 2004 20	1000 1000 1000 1000 1000	008 000	700 100	600-11 500-11 500-11	400 	300 200 200		5:20 AM 11/2019 06:00

Division of Oil, Gas and Mining Operator Change/Name Change Worksheet-for State use only

Effective Date:		1/24/2	020										
FORMER OPERATOR:			NEW OPERATOR:										
Newfield Production Company				Ovintiv Production, Inc.									
Groups: Greater Monument Butte													
WELL INFORMATION:													
Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Туре	Status				
See Attached List													
Total Well Count: OPERATOR CHANGES DOCUM 1. Sundry or legal documentation wa	as received from	the FC		-			3/16/2020						
				erator on:	constance constance to lot		3/16/2020						
3. New operator Division of Corpora	ations Business	Numbe	r:		755627-0143	CHICK SHARES	13月1日日本人会议。						
					1/14/2021 12/21/2020 3/25/2020	9/2/2020							
NEW OPERATOR BOND VERII State/fee well(s) covered by Bond N				B001834.A 107238142-Shut-In Bond									
DATA ENTRY: Well(s) update in the RBDMS on:				1/14/2021	1								
Group(s) update in RDBMS on:				1/14/2021									
Surface Facilities update in RBDMS	on:			1/14/2021									
Entities Updated in RBDMS on:													
COMMENTS:									_				

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING I LEASE DESCRIPTION AND SERIAL INJURGE SECURD RESOURCES ON WELLS I Do due to the the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the property bold from the stage attached I on due to the stage att		STATE OF UTAH			FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS 0 or due the form for appointed to the internation and constrained and constraine	1				5. LEASE DESIGNATION AND SERIAL NUMBER
SUMPT NOTICES AND REPORTS ON WELLS see attached Do nit user this form to appeare to a structure of a stru	n an		······		
Converting Output Image: State of the state of t	SUNDRY	NOTICES AND REPOR	TS ON WEL	LS	
OIL WELL GAS WELL OTHER see attached Image: Company attached attached 3: ADDRESS OF DREATOR: attached 4: Wattewnsy Quarter Place St. Comp. The Woodlands strate: TX gap 77380 Price RUMBER: to File.DARP Root., OR WILDON: 4: UCATIEND & WELL FOOT REAT STATE COUNTY: OTROITE SECTION. TOWNER: PLANE MERICIAN: STATE COUNTY: TYPE OF SUBMISSION TYPE OF AUTOMISSING AND COUNTY: DESPINATION MOTICE OF NITMET ACOUZE OBERPAR: STATE UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF AUTOMISSING AND COUNTY FORMATION MOTICE OF NITMET ACOUZE OBERPAR INSCRUCTOR CONNEE DESPINATION Generation of the second service Connect	Do not use this form for proposals to drill n drill horizontal la	ew wells, significantly deepen existing wells below iterals. Use APPLICATION FOR PERMIT TO DRII	current bottom-hole depti LL form for such proposal	h, reenter plugged wells, or to s.	7 UNIT or CA AGREEMENT NAME:
2 NAME (POPERATOR Newfield Production Company 2 ADDRESS OF DEATOR 2 ADDRESS OF DEATOR 4 Waterway Square Place St _{GTT} The Woodlands 5 (777 BT X	1. TYPE OF WELL OIL WELL	GAS WELL OTHER	۲		
3. ADDRESS OF DRENATOR 4. Waterway Square Place Sk _{CTTV} . The Woodlands _{STATE} TX _{QU} 77380 Picke Hweeter (435) 646-4936 attached atta	2. NAME OF OPERATOR:				
4 Waterway Square Place St. (ctr.) The Woodlands STATE TX 200 77380 (435) 646-4936 attached 4 LOCATIONOF WELL FOOTAGES AT SUFFACE COUNTY OTROTE, SECTION, TOWNSHIP, RANGE, MERIDIANE STATE UTAH 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION REPERVICATE COMPENT Auter CASING REPAR ACTOR OF AND CONSTRUCTION REPERVICATE COMPENT Automation and the work will stat. CASING REPAR NEW CONSTRUCTION REPERVICATION CHANCE SUBSECUENT REPORT CHANCE VELINANE OPERVICE STATIGE CHANCE THEWORKEL VARIAULY USBEDUENT REPORT CHANCE VELINANE PLUG BACK WATER BHORDARIE SUBSECUENT REPORT CHANCE VELINANE PRECOMPLETE - DIFFERENT FORMATION WATER BHORDARIE ODE or work completor CHANCE WELL NAME PRECOMPLETE - DIFFERENT FORMATION WATER BHORDARIE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all partiment details including date, depth, volumes, etc This sundry is serve as notification of the formal corporate name change of Newfield Production Inc. The Woodlands, TX 77380 NEW NAME: Ovinitiv Production Inc. 4 Watenway Square Place Suite 100	Newfield Production Comp	pany			attached
		The Woodlands STATE TX	77380		
CIRCIT, SECTION, TOMMENIP, RANGE, MERICAN Date 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Image: Comparison of the com					
UTAH 11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Image: Substance of the state state of the state state of the state of the state state of the s	FOOTAGES AT SURFACE:				COUNTY
TYPE OF SUBMISSION TYPE OF ACTION Image: Contract of the contr	QTR/QTR, SECTION, TOWNSHIP, RAN	GE. MERIDIAN:			
NOTICE OF INTENT (submit in Duplicate) ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION Approximate date work will start CASING REPAIR NEW CONSTRUCTION SIDETRACK TO REPAIR WELL Approximate date work will start CASING REPAIR NEW CONSTRUCTION TEMPORATE CURRENT PORMATION SUBSECULENT REPORT (submit for port of previous PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING CHANGE TUBING PLUG BACK WATER DISPOSAL (submit form Only) CHANGE WELL STATUS PREDOUCTION (START/RESUME) WATER SHUT: OFF (submit form Only) CHANGE WELL STATUS PREDOUCTION (START/RESUME) WATER SHUT: OFF (submit form Only) CHANGE WELL STATUS PREDOUCTION (START/RESUME) WATER SHUT: OFF (submit of wick completion: COMINGLE PRODUCTION (START/RESUME) WATER SHUT: OFF WATER SHUT: OFF (submit of wick completion: COMINGLE PRODUCTION (START/RESUME) WATER SHUT: OFF WATER SHUT: OFF (submit of wick completion: COMINGLE PRODUCTION (START/RESUME) WATER SHUT: OFF WATER SHUT: OFF (submit of wick completion: COMPLETEO OPERATIONS: RecuMARTON OF WELL SITE OTHER CONTROL (subord and y is serve as notification of the for	11. CHECK APPI	ROPRIATE BOXES TO INDIC	ATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
Montee OF INTENT (stemin Displaces) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximited date work will start CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON Approximited date work will start CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK WATER SUIT.OFF COMMINGUE PRODUCING FORMATIONS RECLAMATION OF WELL STRE OTHER SUIT.OFF COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL STRE OTHER CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION CONTINUE SUBJECTION START/RESUME) 12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 NEW NAME: Ovintiv Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 MAME (PLEASE RERIN) Shon McKinnon TITLE Regulatory Manager, Rockies	TYPE OF SUBMISSION	T	T	PE OF ACTION	
(Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start CASING REPAR NEW CONSTRUCTION TEMPORARILY ABAADON CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR SUBSEQUENT REPORT (Butting Original Form Only) CHANGE WELL MAME PLUG BAOK WATER DISPOSAL CHANGE WELL STATUS PRODUCTION (STARTRESUME) WATER DISPOSAL WATER DISPOSAL CHANGE WELL STATUS PRODUCTION (STARTRESUME) WATER DISPOSAL COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL STRE OTHER COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL STRE OTHER 12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. NEW NAME: Newfield Production Company Ovinitiv Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 The Woodlands, TX 77380 MAME (PREASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies		ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
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Image: SUBSEQUENT REPORT (Submit Form Only) CHANGE TUBING PLUG AND ABANDON VENT OR FLARE Image: SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK WATER DISPOSAL Image: Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Image: Date of work completion: CONVERT WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Image: Date of work completion: CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION OTHER Image: Date of work completion: CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION OTHER Image: Date of work completion: CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION OTHER Image: Date of work completion: Convert WELL TYPE RECOMPLETE - DIFFERENT FORMATION OTHER Image: Date of work completion: Convert WELL TYPE RECOMPLETE - DIFFERENT FORMATION OTHER Image: Date of work completion: Convert WELL TYPE RECOMPLETE - DIFFERENT FORMATION Other Complexity of Convert Production Image: Date of work complexity of the Wells wells that will be operated under Ovintiv Production Inc. NEW NAME: Ovintiv Production Inc. Ovintiv Production Inc. Vatenvay Square Place Suite 100 The Woodlands, TX 7738	Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARILY ABANDON
SUBSEQUENT REPORT (summi Original Form Original Date of work completion: CHANGE WELL NAME PRODUCTION (START/RESUME) WATER DISPOSAL Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER 12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020. PREVIOUS NAME: NEW NAME: Newfield Production Company Ovintiv Production Inc. 4 Waterway Square Place Suite 100 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 (435)646-4825 (435)646-4825		CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS PRECLAMATION OF WELL SITE OTHER 12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. NEW NAME: Newfield Producion Company Ovintiv Production Inc. Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 The Woodlands, TX 77380 (435)646-4825 (435)646-4825 (435)646-4825		CHANGE TUBING	PLUG AND A	ABANDON	VENT OR FLARE
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS PRECLAMATION OF WELL SITE OTHER 12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. NEW NAME: Newfield Producion Company Ovintiv Production Inc. Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 The Woodlands, TX 77380 (435)646-4825 (435)646-4825 (435)646-4825	SUBSEQUENT REPORT				
Date of work completion:					
Image: Convert Well Type RECOMPLETE - DIFFERENT FORMATION 12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020. PREVIOUS NAME: NEW NAME: Newfield Producion Company Ovintiv Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 The Woodlands, TX 77380 (435)646-4825 (435)646-4825	Date of work completion:		percent of		
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020. PREVIOUS NAME: NEW NAME: Newfield Producion Company Ovintiv Production Inc. 4 Waterway Square Place Suite 100 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 (435)646-4825 (435)646-4825					OTHER
This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020. PREVIOUS NAME: Newfield Producion Company 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 (435)646-4825 NEW NAME: Ovintiv Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 (435)646-4825 NAME (PLEASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies Ovintive Production Regulatory Manager, Rockies Ovintive Production NEW NAME: Ovintive Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 (435)646-4825 Ovintive Production Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 (435)646-4825 Ovintive Production Inc. TITLE Regulatory Manager, Rockies Ovintive Production Ovintive Production Inc. A Waterway Square Place Suite 100 The Woodlands, TX 77380 (435)646-4825 Ovintive Production Inc. TITLE Regulatory Manager, Rockies					
Newfield Producion Company Ovintiv Production Inc. 4 Waterway Square Place Suite 100 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 The Woodlands, TX 77380 (435)646-4825 (435)646-4825	This sundry is serve as no	otification of the formal corporation	te name change	e of Newfield Produ	ction Company to Ovintiv Production
NAINE (PLEASE PART)	Newfield Producion Comp 4 Waterway Square Place The Woodlands, TX 7738	bany Ovintiv e Suite 100 4 Wate 30 The W	Production Inc erway Square P loodlands, TX 7	lace Suite 100	
	Rasta	C1/		3/16/2020	ager, Rockies
		4 1			

STATE OF UTAH	FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER see attached list
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugg drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	ed wells, or to
	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	see attached
Newfield Production Company	attached
3. ADDRESS OF OPERATOR: 4 Waterway Square Place SL _{CITY} The Woodlands STATE TX 2/P 77380 (435) 644 (435) 644	
4. LOCATION OF WELL	
FOOTAGES AT SURFACE:	COUNTY
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTIO	CE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACT	
	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start CASING REPAIR NEW CONSTRUCTION	
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	
CHANGE TUBING L PLUG AND ABANDON SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	
L SUBSEQUENT REPORT (Submit Original Form Only)	WATER DISPOSAL WATER SHUT-OFF
Date of work completion:	
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates,	depths, volumes, etc.
This sundry is serve as notification of the formal corporate name change of Newfi Inc. Attached is a list of all wells wells that will be operated under Ovintiv Product	eld Production Company to Ovintiv Production
PREVIOUS NAME: NEW NAME:	
Newfield Producion CompanyOvintiv Production Inc.4 Waterway Square Place Suite 1004 Waterway Square Place Suite	100
4 Waterway Square Place Suite 100 4 Waterway Square Place Suite The Woodlands, TX 77380 The Woodlands, TX 77380	100
(435)646-4825 (435)646-4825	
NAME (PLEASE PRINT) Shon McKinnon TITLE Regula	atory Manager, Rockies
SIGNATURE DATE 3/16/2	020
(This space for State use only)	



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Name and	TRANSFER OF AL		API Number
e attache			Atttached
ation of Well			Field or Unit Name
ootage :	,	County :	See Attached Lease Designation and Number
Q, Section,	Township, Range:	State : UTAH	See Attached
FECTIVE	DATE OF TRANSFER:		
RRENT OF	PERATOR		
Company:	Newfield Production Company	Name:	Shon McKinnon
Address:	4 Waterway Square Place, Suite 100	Signature:	Show tet finno
	city The Woodlands state TX zip 77380	Title	Regulatory Manager, Rockies
Phone:	(435) 646-4825	Date	3/18/2020
Comments			
N OPERA	TOR		
Company:	Ovintiv Production, Inc	Name:	Shon McKinnon
Address	4 Waterway Square Place, Suite 100	Signature:	Shatter Stennor
	_{city} The Woodlands _{state} TX _{zip} 77380	Title:	Regulatory Manager, Rockies
Phone:	(435) 646-4825	Date:	3/18/2020
Comments			
space for S	State use only)		
			EPA approval required
Ap	pproved by the		

Max Inj. Press. Max Inj. Rate Perm. Inj. Interval Packer Depth Next MIT Due

Utah Division of

Oil, Gas and Mining

Mar 25, 2020

Division of Oil, Gas and Mining Operator Change/Name Change Worksheet-for State use only

Effective Date:		7/1/202	1						
FORMER OPERATOR:				NEW OPERATOR:					
Ovintiv Production, Inc.				Ovintiv USA, Inc.					
Groups: Greater Monument Butte	的形式和中国	a la la se de							
WELL INFORMATION:					_				
Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Туре	Status
See Attached List									
Total Well Count: Pre-Notice Completed: OPERATOR CHANGES DOCUN 1. Sundry or legal documentation wi 2. Sundry or legal documentation wi 3. New operator Division of Corpora REVIEW: Receipt of Acceptance of Drilling Pr Reports current for Production/Disp OPS/SI/TA well(s) reviewed for full UIC5 on all disposal/injection/storag Surface Facility(s) included in opera	as received from as received from ations Business rocedures for A osition & Sund cost bonding: ge well(s) Appr	n the FO n the NE Number PD on: ries: Approve	W oper	ator on: stin	5053175-0143 9/22/2021 10/25/2021 10/4/2021	9/15/2021	9/15/2021 9/15/2021		
NEW OPERATOR BOND VERII State/fee well(s) covered by Bond N				Canvasback Fed 1-22-8-17 B001834-B 107238142A					
DATA ENTRY: Well(s) update in the RBDMS on: Group(s) update in RDBMS on: Surface Facilities update in RBDMS Entities Updated in RBDMS on:	on:			11/24/2021 11/21/2021 11/24/2021 11/24/2021					

COMMENTS: 9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additiaonl bond will be required at this time.

STATE OF UTAH	FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	9. API NUMBER:
Ovintiv Production, Inc.	
3. ADDRESS OF OPERATOR: 4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380 (281) 210-5100	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate) Image: Automatic and automatic	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
7/1/2021 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion:	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es, etc.
This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA In will be operated under Ovintiv USA Inc. effect July 1, 2021.	nc. Attached is a list of all wells that
PREVIOUS NAME:NEW NAME:Ovintiv Production Inc.Ovintiv USA Inc.4 Waterway Square Place Suite 1004 Waterway Square Place Suite 100The Woodlands, TX 77380The Woodlands, TX 77380(281) 210-5100(281) 210-5100	
NAME (PLEASE PRINT) Julia Carter TITLE Manager, US Reg	gulatory Operations
SIGNATURE Julia M Canter DATE 9/8/2021	
This space for State use only)	ROVED
By Ut	ah Division of
	as, and Mining
5/2000) (See Instructions on Reverse Side)	rel Medina



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

UIC FORM 5

	COL CAS & MENENE		
	TRANSFER OF AL	JTHORITY TO IN	IJECT
Well Name and See attache			API Number Attached
Location of Wel			Field or Unit Name
	•	Quantum .	See Attached
Footage :		County :	Lease Designation and Number
QQ, Section,	, Township, Range:	State : UTAH	See Attached
EFFECTIVE	DATE OF TRANSFER: 7/1/2021		
CURRENT OF	PERATOR		
Company:	Ovintiv Production, Inc.	Name:	Julia Carter
Address:	4 Waterway Square Place, Suite 100	Signature:	Julian Caster
/ laureos.	city The Woodlands state TX zip 77380		Manager, US Regulatory Operations
Phone:	(281) 210-5100		9/8/2021
Comments			
Comments	•		
NEW OPERA	TOR		
Company:	Ovintiv USA Inc.	Name:	Julia Carter
Address:	4 Waterway Square Place Suite 100	Signature:	Juhan Caster
	_{city} The Woodlands _{state} TX _{zip} 77380	Title:	Manager, US Regulatory Operations
Phone:	(281) 210-5100	Date:	9/8/2021
Comments	:		
This space for S	tate use only) Approved by the Utah Division of	EF	A approval required
	Oil, Gas and Mining		
		Max In Max In	j. Press. i. Rate
	hold		nj. Interval
		Packer	

Oct 04, 2021

Packer Depth Next MIT Due

Division of Oil, Gas and Mining Operator Change/Name Change Worksheet-for State use only

Effective Date:		9/1/202	22							
FORMER OPERATOR:				NEW OPERAT	FOR:					
Ovintiv USA, Inc.				Scout Energy M	anagement, LLC					
Groups:										
WELL INFORMATION:										
Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Туре	Status	
See Attached List										
Total Well Count: Pre-Notice Completed: OPERATOR CHANGES DOCUM 1. Sundry or legal documentation wa 2. Sundry or legal documentation wa 3. New operator Division of Corpora REVIEW: Receipt of Acceptance of Drilling Pro Reports current for Production/Dispo OPS/SI/TA well(s) reviewed for full UIC5 on all disposal/injection/storage Surface Facility(s) included in operat	s received from s received from tions Business ocedures for Al osition & Sundr cost bonding: 4 e well(s) Appro	n the FC n the NE Number PD on: ries: Approve	C W ope r: d by D	ustin	12607016-0161 10/19/2022 10/11/2022 12/15/2022	11/15/2022	9/26/2022 9/26/2022			
NEW OPERATOR BOND VERIF State/fee well(s) covered by Bond Nu DATA ENTRY: Well(s) update in the RBDMS on: Group(s) update in RDBMS on: Surface Facilities update in RBDMS Entities Updated in RBDMS on:	amber(s):			612402641-Blan 612402460-Full- 12/20/2022 and 12/20/2022 NA 1/25/2023	-Cost Shut-In Bond					

	STATE OF UTAH DEPARTMENT OF NATURAL RESOL	URCES	FORM
	DIVISION OF OIL, GAS AND M		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit A
SUNDR	Y NOTICES AND REPORT	TS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None - N/A
Do not use this form for proposals to drill drill horizontal	new wells, significantly deepen existing wells below c laterals. Use APPLICATION FOR PERMIT TO DRILI	current bottom-hole depth, reenter plugged wells, or to L form for such proposals.	7. UNIT of CA AGREEMENT NAME: Greater Monument Butte Unit
1. TYPE OF WELL OIL WELL			8. WELL NAME and NUMBER: See attached Exhibit A
2. NAME OF OPERATOR: Scout Energy Manageme	ant LLC		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
13800 Montfort Road, Suite 1 _{CI} 4. LOCATION OF WELL	TY Dallas STATE TX Z	1P 75240 (972) 325-1096	See attached Exhibit A
FOOTAGES AT SURFACE: See a	attached Exhibit A		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:		STATE: UTAH
	ROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)		FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:		NEW CONSTRUCTION	TEMPORARILY ABANDON
9/1/2022	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:			
12. DESCRIBE PROPOSED OR C Please consider this sund	dry as notification of the transfer	RECOMPLETE - DIFFERENT FORMATION	nes, etc.
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	nes, etc.
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR Ovintiv USA Inc.	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volun of operatorship of the wells listed eptember 1, 2022. NEW OPERATOR: Scout Energy Manag	nes, etc. on the attached exhibit from Ovint gement, LLC
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show aldry as notification of the transfer of Management, LLC effective Se control of the transfer of Management, LLC effective Se	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volun of operatorship of the wells listed eptember 1, 2022. NEW OPERATOR:	nes, etc. on the attached exhibit from Ovint gement, LLC
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show aldry as notification of the transfer of Management, LLC effective Se control of the transfer of Management, LLC effective Se	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volun of operatorship of the wells listed eptember 1, 2022. NEW OPERATOR: Scout Energy Manag 13800 Montfort Road	nes, etc. on the attached exhibit from Ovint gement, LLC
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volun of operatorship of the wells listed optember 1, 2022. NEW OPERATOR: Scout Energy Manag 13800 Montfort Road Dallas, TX 75240	nes, etc. on the attached exhibit from Ovint gement, LLC d, Suite 100
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 Signature - Christian C. S	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volun of operatorship of the wells listed optember 1, 2022. NEW OPERATOR: Scout Energy Manag 13800 Montfort Road Dallas, TX 75240	nes, etc. on the attached exhibit from Ovint gement, LLC d, Suite 100
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se e, Suite 100 7380	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volum of operatorship of the wells listed eptember 1, 2022. NEW OPERATOR: Scout Energy Manag 13800 Montfort Road Dallas, TX 75240	nes, etc. on the attached exhibit from Ovint gement, LLC d, Suite 100
12. DESCRIBE PROPOSED OR C Please consider this sund USA Inc. to Scout Energy PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 Signature - Christian C. S Director, Rockies and Lat	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se e, Suite 100 7380	RECOMPLETE - DIFFERENT FORMATION Il pertinent details including dates, depths, volum of operatorship of the wells listed eptember 1, 2022. NEW OPERATOR: Scout Energy Manag 13800 Montfort Road Dallas, TX 75240	nes, etc. on the attached exhibit from Ovint gement, LLC d, Suite 100
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1. 1.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT

Weil Name and Number see attached list		API Number attached
Location of Well Footage :	out see attached	Field or Unit Name see attached Exhibit A
QQ, Section, Township, Range:	County : see attached State : UTAH	Lease Designation and Number see attached Exhibit A

EFFECTIVE DATE OF TRANSFER: 9/1/2022

Company:	Ovintiv USA Inc.	Name: Christian C. Sizemore
Address:	4 Waterway Square Place, Suite 100	Signature:
	city The Woodlands state TX zip 77380	Title: Director, Rockies and Land Innovation
Phone:	281-210-5100	Date: 11/16/2022

Company:	Scout Energy Management LLC	Name: Jon Piot
Address:	13800 Montford Road, Suite 100	Signature:
	city Dallas state TX zip 75240	Title: Managing Director
Phone:	972-325-1027	Date: 11/15/2022
Comments	Change of operator effective 9/1/2022	

EPA approval required

Max Inj. Press. Max Inj. Rate Perm. Inj. Interval Packer Depth Next MIT Due