

December 6, 2005

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: 5-18-9-16, 6-18-9-16, 12-18-9-16, 13-18-9-16, 14-18-9-16, 15-18-9-16, 1-23-9-16, 2-23-9-16, and 4-24-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 13-18-9-16, 14-18-9-16 and 15-18-9-16 are Exception Locations. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Jandis Crozin

Mandie Crozier Regulatory Specialist

mc enclosures

RECEIVED

DEC 0 8 2005

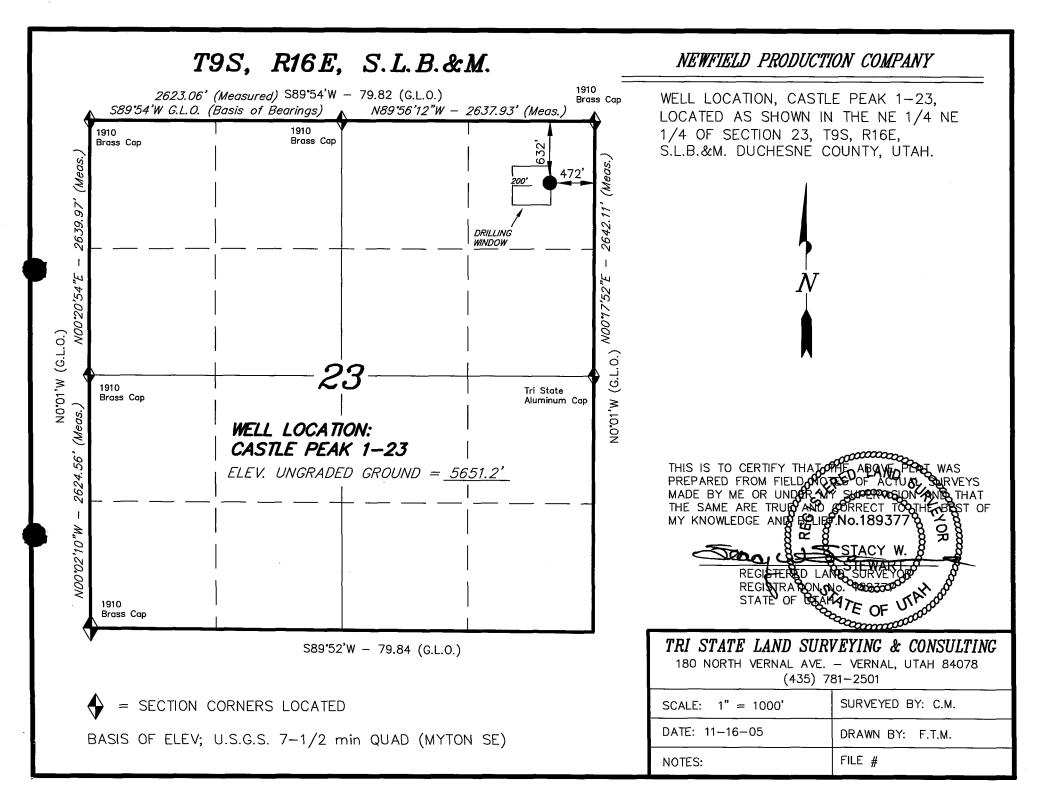
DIV. OF OIL, GAS & MINING

Form 3160-3 (September 2001)			OMB No	APPROVED . 1004-013 nuary 31, 20	6	
UNITED STATES DEPARTMENT OF THE IN			5. Lease Serial No.			
BUREAU OF LAND MANAG		ł	UTU-15855			
APPLICATION FOR PERMIT TO DR			6. If Indian, Allotte	e or Tribe I	Name	
APPLICATION FOR PERMIT TO DE			N/A	λ.		
			7. If Unit or CA Agr	eement, Na	ame and No.	
la. Type of Work: 🖾 DRILL 🔲 REENTER	ł		N/A			
	🖾 Single Zone 🗔 Multi		8. Lease Name and V			
1b. Type of Well: 🖾 Oil Well 🖵 Gas Well 🖵 Other	ple Zone	Federal 1-23-9-16	3			
2. Name of Operator Newfield Production Company	3b. Phone No. (include area code)				-33002	
3a. Address		10. Field and Pool, or	•	у		
Route #3 Box 3630, Myton UT 84052	(435) 646-3721		Monument B			
4. Location of Well (Report location clearly and in accordance with			11. Sec., T., R., M., or	Blk. and S	survey or Area	
At surface NE/NE 632' FNL 472' FEL 5786657			NE/NE Sec. 2	3. T9S R	16E	
At proposed prod. zone 4430394	4 -110.078169			.0, 100 10	102	
14. Distance in miles and direction from nearest town or post office*		12. County or Parish		13. State		
Approximatley 18.2 miles southwest of Myton, Utah	· · · · · · · · · · · · · · · · · · ·		Duchesne		UT	
 Distance from proposed* location to nearest property or lease line, ft. 	16. No. of Acres in lease	17. Spacing	ing Unit dedicated to this well			
(Also to nearest drig. unit line, if any) Approx. 632' f/lse, NA' f/unit	1200.00		40 Acres			
18. Distance from proposed location* to nearest well, drilling, completed,	19. Proposed Depth		BIA Bond No. on file			
applied for, on this lease, ft. Approx. 1321'	5725'		UT0056			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta	art*	23. Estimated duratic			
5651' GL	1st Quarter 2006		Approximately seven (7) days	from spud to ri	ig release.	
· · · · · · · · · · · · · · · · · · ·	24. Attachments					
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No.1, shall be at	tached to this	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	cation. specific info	is unless covered by an	-		
25. Signature	Name (Printed/Typed)			Date		
Mankie Moren	Mandie Crozier			¦ 12/6	5/05	
Title Regulatory Specialist				ł		
Approved by (Sterarure)	Name (Printed/Typed)			Date	2-05	
	ADLEY.cG. HILL NMENTAL SCIENTIST III					
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	n the subject l	ease which would entitl	e the appli	cant to conduct	
Title 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	a crime for any person knowingly and any matter within its jurisdiction.	nd willfully to	o make to any departme	ent or agen	cy of the United	

*(Instructions on reverse)

Federal Approval of this Action is Necessary DEC 08 2005

UM CF OIL, CAS & MINING



NEWFIELD PRODUCTION COMPANY FEDERAL #1-23-9-16 NE/NE SECTION 23, 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'- 2360'
Green River	2360'
Wasatch	5725'

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

Green River Formation 2360' – 5725' - 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. <u>TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:</u>

Please refer to the Monument Butte Field SOP.

7. <u>AUXILIARY SAFETY EQUIPMENT TO BE USED:</u>

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 #1-23-9-16 NE/NE SECTION 23, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #1-23-9-16 located in the NE 1/4 NE 1/4 Section 23, 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 southeasterly along Hwy 53 - 11.7 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 4.6 miles \pm to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,495' \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. <u>LOCATION OF EXISTING WELLS</u>

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. SOURCE OF CONSTRUCTION MATERIALS

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.

9. <u>WELL SITE LAYOUT</u>

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-270, 9/7/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #1-23-9-16 Newfield Production Company requests 1495' of disturbed area be granted in Least UTU-15855 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 1495' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 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.

Newfield Production Company requests 1495' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **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

Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest

until the nest becomes inactive for two full breeding seasons. 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.

Burrowing Owl: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, preconstruction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activities activities will be allowed between April 1 and August 15 protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 mile a 0.5 mile radius of any active burrowing owl nest.

Reserve Pit Liner

A 12 mil liner with felt will be required at the operators own discrection. 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 #1-23-9-16 was on-sited on 8/31/05. 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. <u>LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION</u> <u>Representative</u>

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

Certification

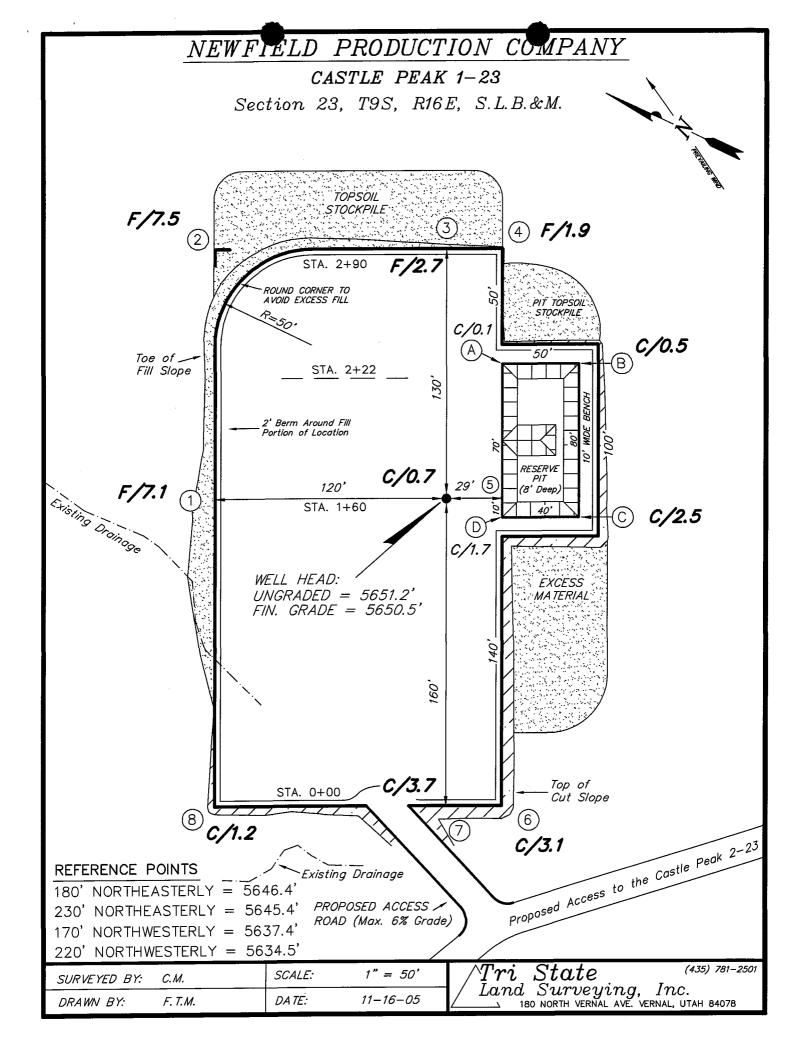
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-23-9-16 NE/NE Section 23, Township 9S, Range 16E: Lease UTU-15855 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

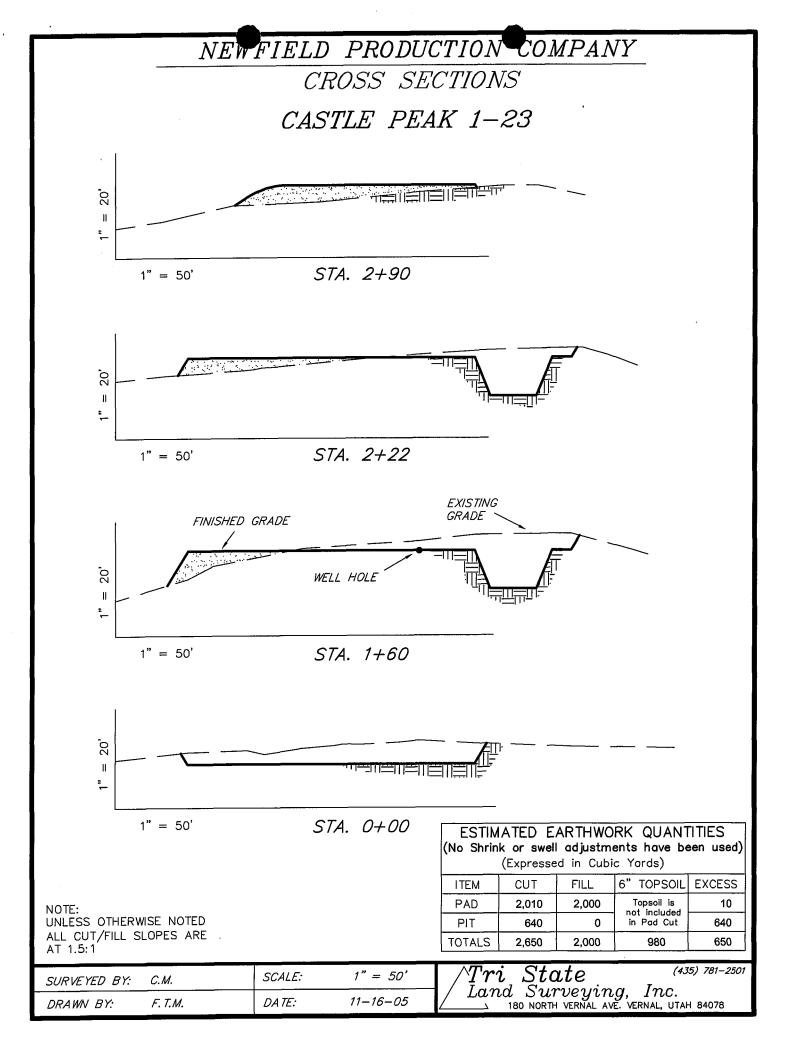
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be 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.

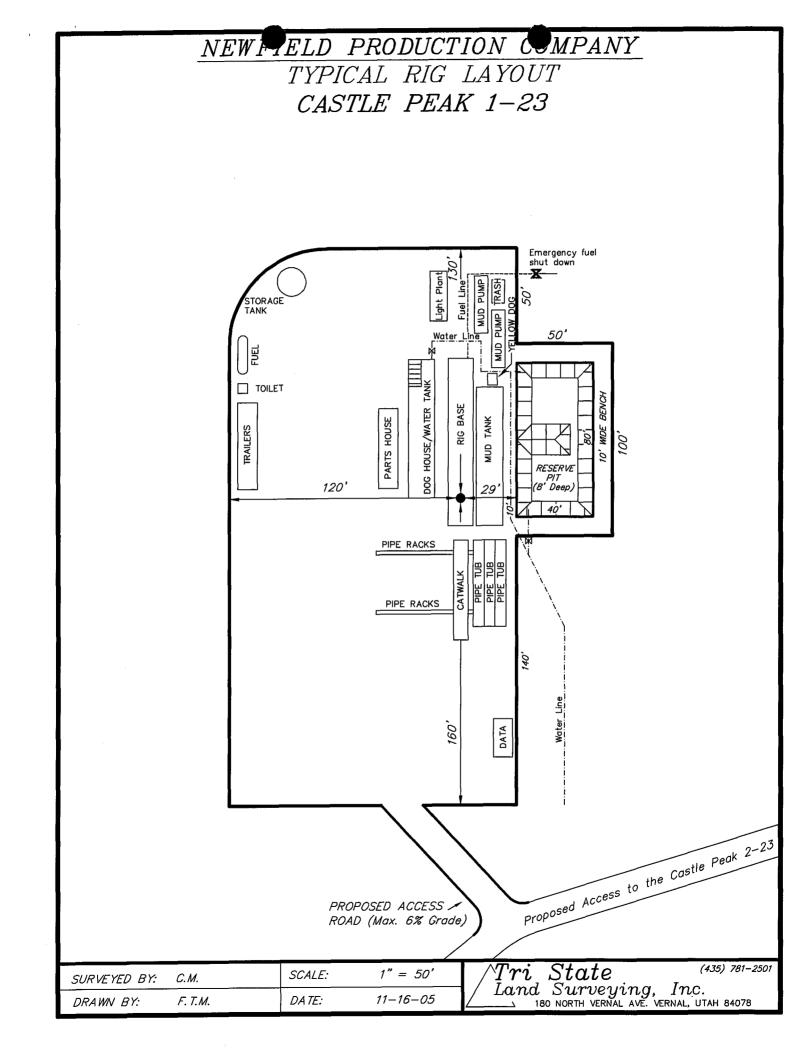
12/6/05 Date

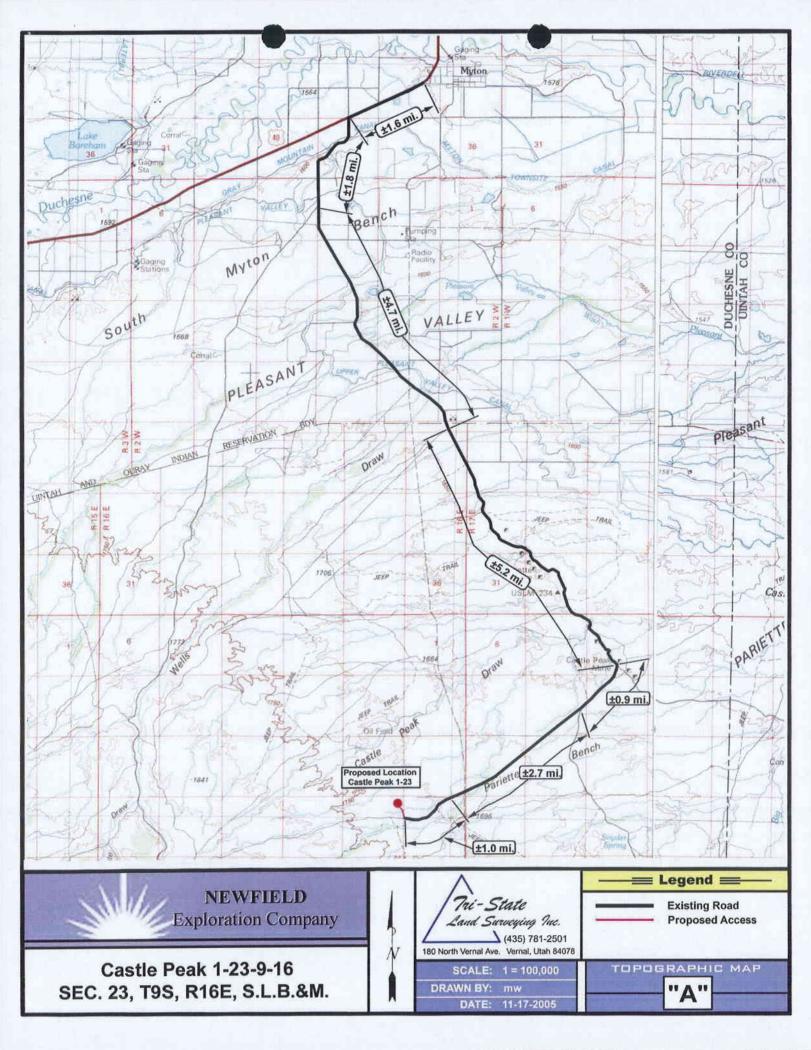
Jancho Core

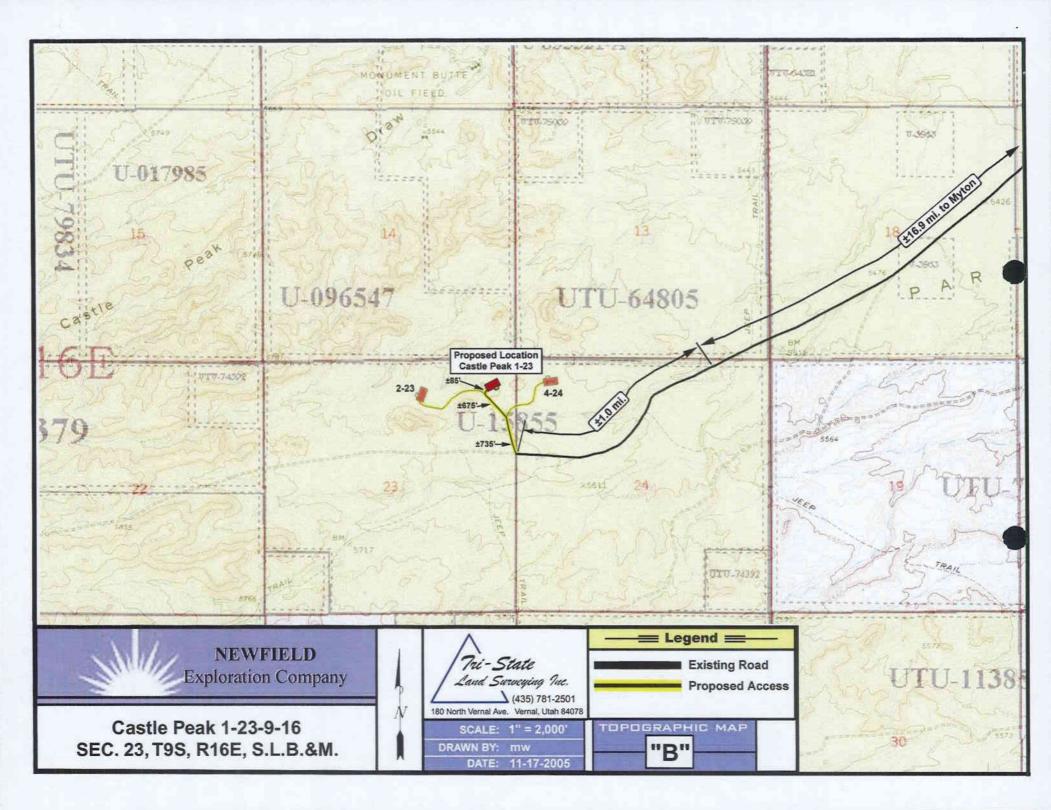
Mandie Crozier Regulatory Specialist Newfield Production Company

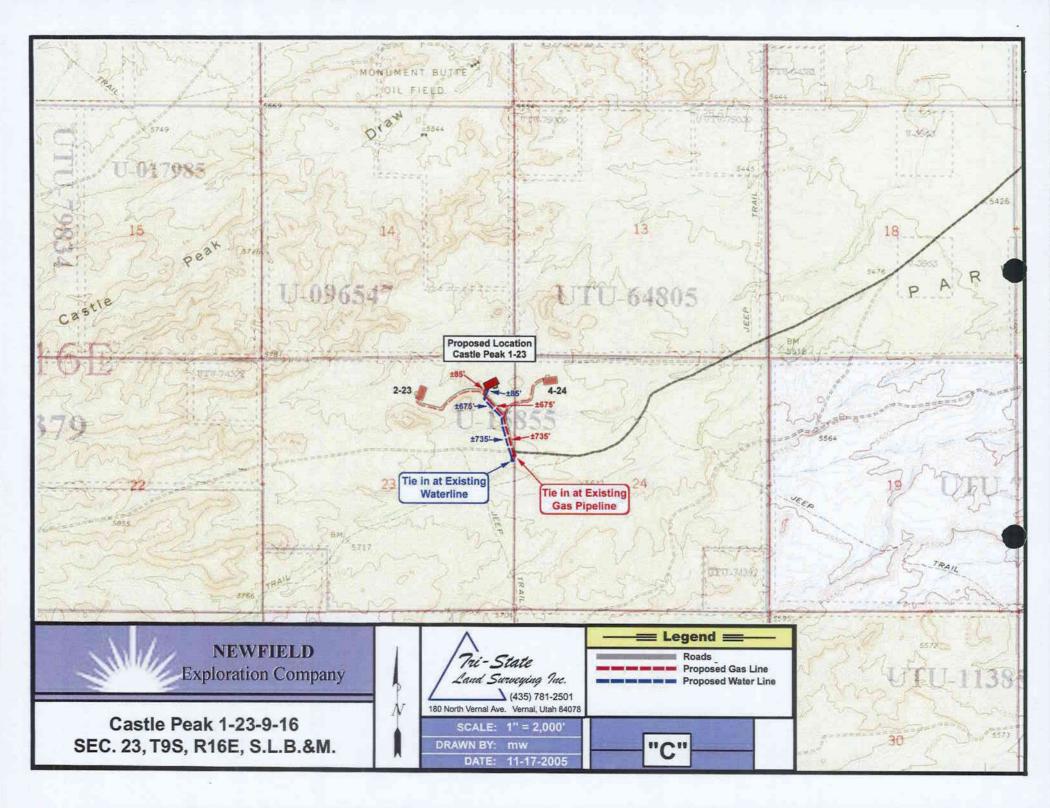




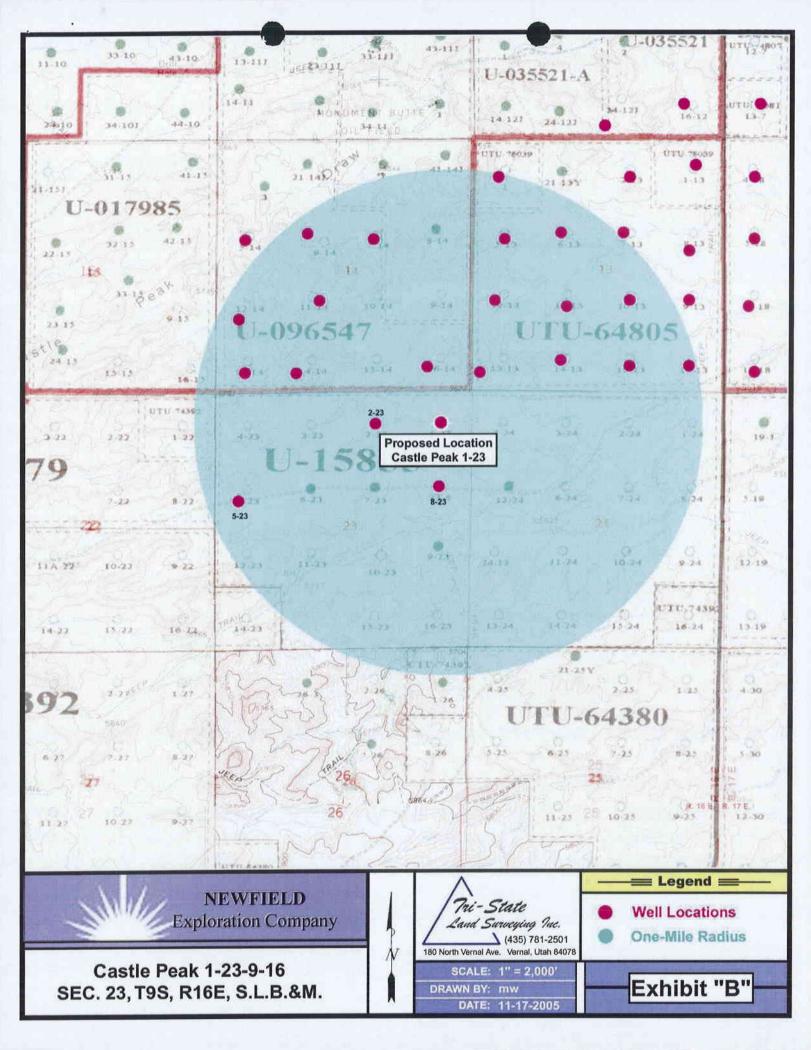






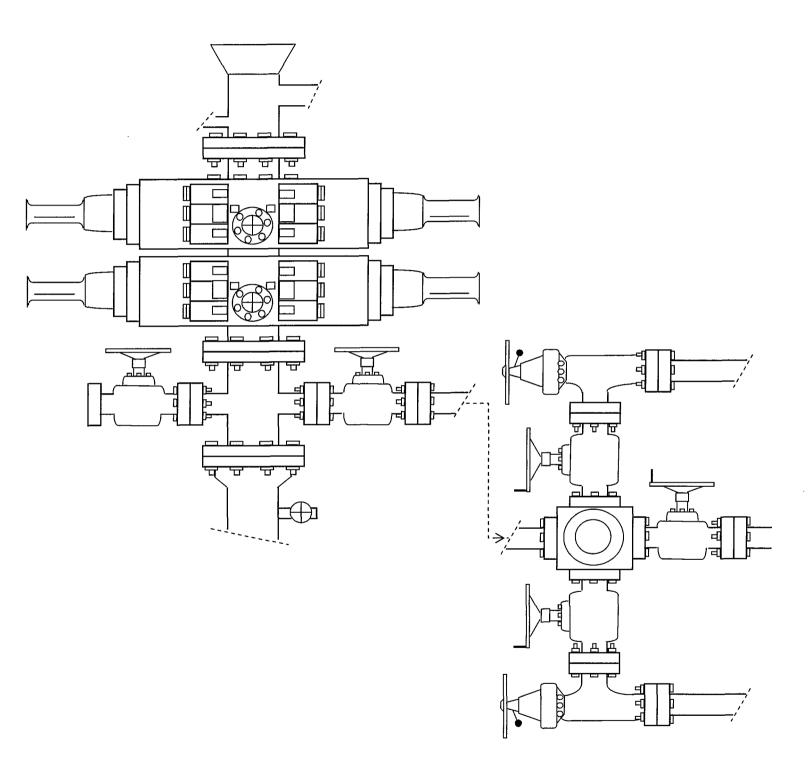


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Exhibiti Page lof 2

CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTION 23 and 24, DUCHESNE COUNTY, UTAH

By:

Andre' Jendresen and Keith Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company Rt. 3 Box 3630 Myton, UT 84052

- Submitted By:

Keith R. Montgomery Montgomery Archaeological Consultants, Inc. P.O. Box 147 Moab, Utah 84532

MOAC Report No. 05-270

September 7, 2005

United States Department of Interior (FLPMA) Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey) Permit No. U-05-MQ-0831b

NEWFIELD PRODUCTION COMPANY

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

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8,11 through 16-9-916]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

REPORT OF SURVEY

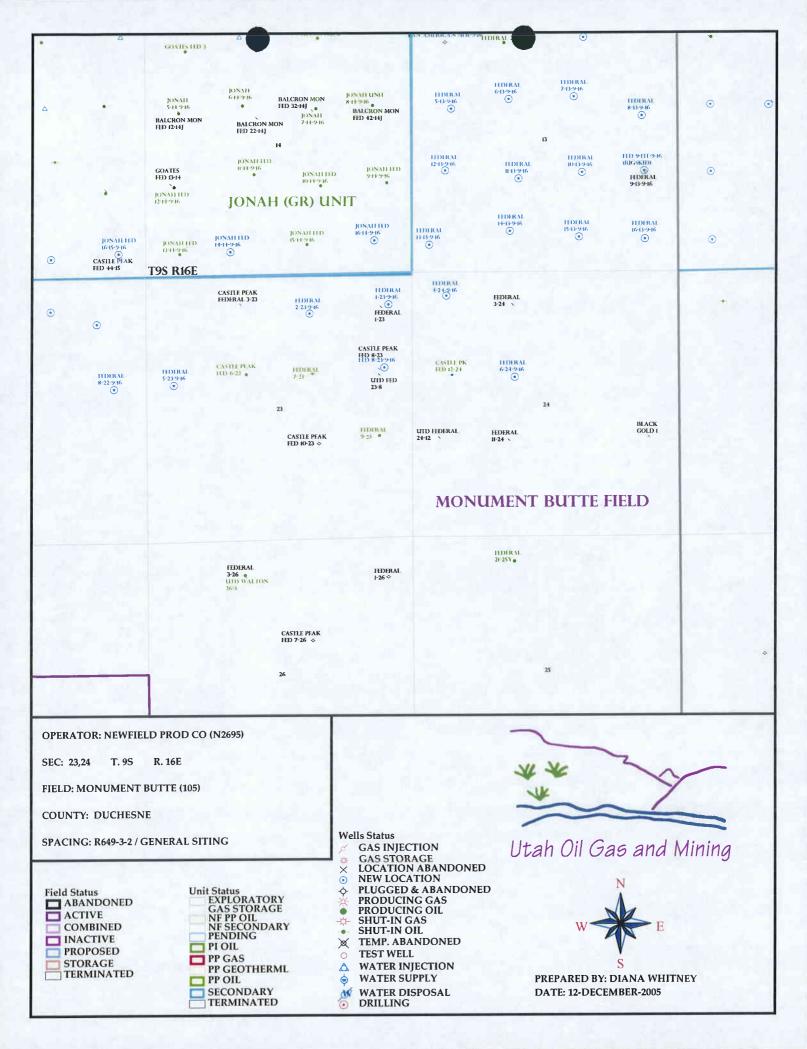
Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller Consulting Paleontologist September 28, 2005 WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/08/2005 API NO. ASSIGNED: 43-013-33002 WELL NAME: FEDERAL 1-23-9-16 OPERATOR: NEWFIELD PRODUCTION (N2695) CONTACT: MANDIE CROZIER PHONE NUMBER: 435-646-3721 PROPOSED LOCATION: INSPECT LOCATN BY: / 1 NENE 23 090S 160E SURFACE: 0632 FNL 0472 FEL Tech Review Initials Date BOTTOM: 0632 FNL 0472 FEL Engineering DUCHESNE MONUMENT BUTTE (105) Geology LEASE TYPE: 1 - Federal Surface LEASE NUMBER: UTU-15855 SURFACE OWNER: 1 - Federal LATITUDE: 40.02198 PROPOSED FORMATION: GRRV LONGITUDE: -110.0782 COALBED METHANE WELL? NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING: ./ Plat _____ R649-2-3. ✓ Bond: Fed[1] Ind[] Sta[] Fee[] Unit (NO. UT0056) ____ R649-3-2. General \mathbf{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 V Water Permit (No. MUNICIPAL) ____ Drilling Unit RDCC Review (Y/N) Board Cause No: (Date:) Eff Date: MM Fee Surf Agreement (Y/N) Siting: Λ [V Intent to Commingle (Y/N) R649-3-11. Directional Drill Sop, Seperate Lie COMMENTS:) approval STIPULATIONS:





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

December 12, 2005

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

Re: Federal 1-23-9-16 Well, 632' FNL, 472' FEL, NE NE, Sec. 23, 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 43-013-33002.

Sincerely,

Gil Hunt Associate Director

pab Enclosures

cc: Duchesne County Assessor Bureau of Land Management, Vernal District Office

Operator:	Newfield Produ	ction Company	·····
Well Name & Number	Federal 1-23-9-	16	
API Number: Lease:	43-013-33002 UTU-15855	·	
Location: <u>NE NE</u>	Sec. 23	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.

				DEC 0	7 200	5	
				BLMVEFM		JTAH	
Form 3160-3 September 2001) UNITED STATES				FORM AF OMB No. Expires Janu	1004-013	6	
DEPARTMENT OF THE II BUREAU OF LAND MANA		5. Lease Serial No. UTU-1585					
APPLICATION FOR PERMIT TO D		 If Indian, Allottee N/A 	or Tribe	Name			
1a. Type of Work: DRILL CREENTE		7. If Unit or CA Agree N/A	ment, N	ame and No.			
lb. Type of Well: 🖾 Oil Well 🗋 Gas Well 📮 Other	X	Single Zone 🔲 Multi-	ple Zone	8. Lease Name and W Federal 1-23-9-16	ell No.		
2. Name of Operator Newfield Production Company				9. API Well No.	33	007	
3a. Address	1	No. (include area code)		10. Field and Pool, or E	•	ry	
Route #3 Box 3630, Myton UT 84052	<u> </u>	135) 646-3721		Monument But		<u> </u>	
 Location of Well (Report location clearly and in accordance with At surface NE/NE 632' FNL 472' FEL 		11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 23. T9S R16E					
At proposed prod. zone						10.0	
 Distance in miles and direction from nearest town or post office* Approximatley 18.2 miles southwest of Myton, Utah 				Duchesne		13. State	
15. Distance from proposed* 16. No. of Acres in lease 17. Spational state in the state				cing Unit dedicated to this well 40 Acres			
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1321' 	19. Prop	osed Depth 5725'		M/BIA Bond No. on file			
 Elevations (Show whether DF, KDB, RT, GL, etc.) 5651' GL 		roximate date work will sta Quarter 2006	nrt*	23. Estimated duration Approximately seven (7) days from spud to rig release.			
	24. A	ttachments					
The following, completed in accordance with the requirements of Onshe	ore Oil and O	Gas Order No.1, shall be at	tached to this	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). 	n Lands, the	Item 20 above). 5. Operator certific	cation. specific info	ns unless covered by an operation and/or plans as			
5. Signatura		me (Printed/Typed)		1	Date		
Title	i N	Aandie Crozier			12/	6/05	
Regulatory Specialist		ame (Printed/Typed)			Date		
JERRY KEUCZNIA				J	9-	8-2006	
itle Assistant Field Manager	1	ffice					
Application approval does not warrant or certify the the applicant holds perations thereon. Conditions of approval, if any, are attached.	legal or equ	itable title to those rights in	n the subject l	ease which would entitle	the appl	icant to condu	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make states any false, fictitious or fraudulent statements or representations as	it a crime fo to any matte	or any person knowingly an er within its jurisdiction.	nd willfully t	o make to any departmen	nt or age	ncy of the Un	
and s may muse, noticed of a muddlean suitements of representations as							

SEP 1 5 2006

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** VERNAL FIELD OFFICE **VERNAL, UT 84078**



170 South 500 East

(435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Newfield Production Company Company: Federal 1-23-9-16 Well No: 43-013-33002 API No:

NENE, Sec 23, T9S, R16E Location: Lease No: **UTU-15855** Aareement: N/A

Petroleum Engineer: Petroleum Engineer: Supervisory Petroleum Technician: Environmental Scientist: Environmental Scientist: Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist: After Hours Contact Number: 435-781-4513

Matt Baker Michael Lee Jamie Sparger Paul Buhler Karl Wright Holly Villa Melissa Hawk Chris Carusona Scott Ackerman Office: 435-781-4490 Office: 435-781-4432 Office: 435-781-4502 Office: 435-781-4475 Office: 435-781-4484 Office: 435-781-4404 Office: 435-781-4476 Office: 435-781-4441 Office: 435-781-4437 Fax: 435-781-4410

Cell: 435-828-4470 Cell: 435-828-7875 Cell: 435-828-3913 Cell: 435-828-4029

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)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion - (Notify Chris Carusona)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	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)

- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- The proposed buried pipelines will be laid adjacent to the access roads, using the road as a
 working surface. The pipeline trench shall be dug in the borrow ditch of the road and the trench
 material side cast into the existing vegetation. Upon completion of backfilling the trenches,
 reclaim with a seed drill using the seed mix listed below. Seeding shall include the area where
 the trench material was set aside.
- The proposed action is in Golden eagle nesting habitat. According to the lease, new surface disturbing activities may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of February 1st through July 15th, No new drilling or surface disturbing activities (including road construction) will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities. Additionally, if drilling is anticipated from February 1st through July 15th a new survey for Golden eagle is needed with the exception request.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- The reserve pit will be lined with a 16 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 will 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 will 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.





Page 3 of 6 Well: Federal 1-23-9-16 9/6/2006

- Cultural And Paleontological 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 will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will 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 will be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- The boulders >3' found at the surface or above ground will be saved for final reclamation.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.
- Interim Reclamation (see below):
- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is converted to an injection well, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.

Interim Reclamation S	eed Mix for location:	
Galleta grass	Hilaria jamesii	6 lbs/acre
Western wheatgrass	Pascopyrum smithii	<u>6</u> lbs/acre
0	Per Live Seed Total	12 lbs/acre

- 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.
- Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- 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 will be doubled and the area raked or chained to cover the seed.



Page 4 of 6 Well: Federal 1-23-9-16 9/6/2006

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) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall 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 shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall 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 shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall 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 shall be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports shall 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 shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall 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, shall 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 shall 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) shall 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, shall 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) shall be submitted only when requested by the BLM, Vernal Field Office.
- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other 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.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall 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 shall 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 shall 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, should 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 (1/4 1/4, 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 shall 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, shall 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.

FORM 3160-5 UNITED STATES (June 1990) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT					FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.			
	SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals				TU-15855 ndian, Allottee or Tribe Name A			
I. Type of Well	SUBMIT IN	TRIPLICA	TE		Unit or CA, Agreement Designation			
X Well W	ell Other			FI 9. AP	II Name and No. E DERAL 1-23-9-16 I Well No.			
	DUCTION COMPANY			10. Fie	3-013-33002 eld and Pool, or Exploratory Area IONUMENT BUTTE			
	ton Utah, 84052 435-64 , T., R., m., or Survey Description)	6-3721			unty or Parish, State			
632 FNL 472 FEL	NE/NE Section	23, T9S R16	E	D	UCHESNE COUNTY, UT.			
12. CHECK	APPROPRIATE BOX(s)		NATURE OF NOTICE, RE	PORT, OR O	THER DATA			
TYPE OF SU				OF ACTION				
Si	otice of Intent ubsequent Report nal Abandonment Notice	X Other	oletion g Back	Comple	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water Report results of multiple completion on Well tion or Recompletion Report and Log form.)			
ally drilled, give subsurface locati	ons and measured and true vertical depths fo	r all markers and zon s to extend	es pertinent to this work.)* the Permit to Drill this					
	Dat By:	Utah Di Oil, Gas a e: <u>11-</u> Z	ed by the ivision of and Mining		RECEIVED NOV 2 8 2006 FOIL, GAS & MINING			
14. I hereby certify that the foregot Signed Mandie	ness true and correct	Title	Regulatory Specialist	· · · · · · · · · · · · · · · · · · ·	Date 11/27/2006			

CC: UTAH DOGM			
(This space for Federal or State office use)			
Approved by	Title	Date	
Conditions of approval, if any:			
CC: Utah DOGM			

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious

or fradulent statements or representations as to any matter within its jurisdiction.

Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:43-013-33002Well Name:Federal 1-23-9-16Location:NE/NE Section 23, T9S R16ECompany Permit Issued to:Newfield Production CompanyDate Original Permit Issued:12/12/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes \square No \square

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes □ No ☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes \Box No \blacksquare

Have there been any changes to the access route including ownership, or rightof-way, which could affect the proposed location? Yes □ No ☑

Has the approved source of water for drilling changed? Yes□No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes \Box No

Is bonding still in place, which covers this proposed well? Yes ☑ No □

RECEIVED NOV 2 8 2006

DIV. OF OIL, GAS & MINING

ianature

Title: Regulatory Specialist

Representing: Newfield Production Company

11/27/2006 Date

FORM 3160-5 U	INITED STATES	FORM APPROVED
	MENT OF THE INTERIOR RECEIVED	Budget Bureau No. 1004-0135 Expires: March 31, 1993
SUNDRY NOTICES	AND REPORTS ON WELLS I PH I	5. Lease Designation and Serial No. UTU-15855
Do not use this form for proposals to drill or to	deepen or reentry a different reservoir.	6. If Indian, Allottee or Tribe Name
Use "APPLICATIO	N FOR PERMIT -" for such proposals	s ister NA
	BUREAU OF LAND	IGMT
		7. If Unit or CA, Agreement Designation
SUBMIT	IN TRIPLICATE	N/A
Type of Well		
X Oil Gas		8. Well Name and No.
Well Well Other		FEDERAL 1-23-9-16
		9. API Well No.
Name of Operator		43-013-33002
NEWFIELD PRODUCTION COMPA	NY	10. Field and Pool, or Exploratory Area
Address and Telephone No.		MONUMENT BUTTE
Rt. 3 Box 3630, Myton Utah, 84052 43	35-646-3721	11. County or Parish, State
Location of Well (Footage, Sec., T., R., m., or Survey Descript	tion)	
632 FNL 472 FEL NE/NE Sec	ction 23, T9S R16E	DUCHESNE COUNTY, UT.
CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE, REPO	I PRT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF	ACTION
X Notice of Intent Subsequent Report	Abandonment Recompletion Plugging Back Casing Repair	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
Helphanesesta	X Other Permit Extension	Dispose Water
		(Note: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 9/8/06 (expiration9/8/07).

CONDITIONS OF APPROVAL ATTACHED

I hereby certify that the foregoing is the and correct Signed Mandie Crozier	Title	Regulatory Specialist	Date	9/7/2007	
CC: UTAH DOGM			······	······································	
(This space for Federal or State office use) Approved by	Title	Petroleum Engir	1001 Date	OCT 0 1 2007	
Conditions of approval, if any: CC: Utah DOGM	Utah DOGM			RECEIVED	
CC: Utah DOGM Title 18 U.S.C. Section 1001, makes it a crime for any person kn The hest atements or representations as to any matter within	nowingly and willfully	to make to any department or agency of the Uni			
JUGM			Div. OF	OIL, GAS & MINING	

CONDITIONS OF APPROVAL

Newfield Production Co.

Notice of Intent APD Extension

 Lease:
 UTU-15855

 Well:
 Fed 1-23-9-16

 Location:
 NENE Sec23-T9S-R16E

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 09/08/08

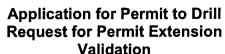
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490

FORM 3160-5 (June 1990)	UNI DEPARTME BUREAU OF	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.		
	SUNDRY NOTICES AN	ID REPORTS ON WELLS	UTU-15855	
Do not use	form for proposals to drill or to de Use "APPLICATION	6. If Indian, Allottee or Tribe Name NA		
	SUBMIT II	N TRIPLICATE	7. If Unit or CA, Agreement Designation N/A	
I. Type of Well X Well	Gas Well Other	 Well Name and No. FEDERAL 1-23-9-16 9. API Well No. 		
2. Name of Operator			43-013-33002	
	D PRODUCTION COMPANY	<u>[</u>	10. Field and Pool, or Exploratory Area MONUMENT BUTTE	
3. Address and Teleph Rt. 3 Box 3	ione No. 630, Myton Utah, 84052 435-	-646-3721	11. County or Parish, State	
	ootage, Sec., T., R., m., or Survey Description	DUCHESNE COUNTY, UT.		
12.	CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA	
TYPE	E OF SUBMISSION	Түре	OF ACTION	
	X Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Permit Extension	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
Newfield	bsurface locations and measured and true vertical dep Production Company reque date was 12/12/05 (expirati	ests to extend the Permit to Drill thi	s well for one year. The original	
This APD) is not yet due to expire wi	th the BLM.		
		Approved by the Utah Division of Oil, Gas and Mining		
		ate: 12-04-070	RECEIVED	
CON SENT TO OF		y: Brought	DEC 0 3 2007	
		<u> </u>	DIV. OF OIL, GAS & MINING	
14. I hereby certify the Signed	at the foregoing is true and correct Mandie Crozier	Title Regulatory Specialist	Date 11/30/2007	
CC: UTAH D				
	Federal or State office use)	Title	Date	
Approved by Conditions of ap CC: Utah DOG	, .			

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious

or fradulent statements or representations as to any matter within its jurisdiction.



(this form should accompany the Sundry Notice requesting permit extension)

API:43-013-33002Well Name:Federal 1-23-9-16Location:NE/NE Section 23,T9S R16ECompany Permit Issued to:Newfield Production CompanyDate Original Permit Issued:12/12/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☑ No □

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes⊡ No 🗹

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No ☑

Have there been any changes to the access route including ownership, or rightof-way, which could affect the proposed location? Yes □ No ☑

Has the approved source of water for drilling changed? Yes□No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes \Box No \square

Is bonding still in place, which covers this proposed well? Yes No

11/30/2007 Date

Title: Regulatory Specialist

Representing: Newfield Production Company

DEC 0 3 2007

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Con	NEWFIELD PRODUCTION COMPANY						
Well Name:			23-9-16				
Api No: 43-013-33002				_Lease Type:_	FEDERAL		
Section 23		<u>095</u>	_Range	16E	County	DUCHESNE	
Drilling Cor	Drilling Contractor NDSI			RIG # NS#1			
SPUDDE	D:						
	Date	12/10/07					
	Time	1:00 PM					
	How	DRY					
Drilling wi	II Commen	ce:					_
Reported by		DE	LL RAY				
Telephone #		(43	35) 828-6 1	110			
Date	12/10/07		Signe	ed	CHD		

	<i>1</i> 4		ж Т
FORN 0-5 (Septender 2001)	UNITED ST. DEPARTMENT OF T	HE INTERIOR	FORM APPROVED OMB No. 1004-0135 Expires January 31,2004
	BUREAU OF LAND M		5. Lease Serial No.
Do not	NDRY NOTICES AND R t use this form for propose ned well. Use Form 3160-3	EPORIS ON WELLS als to drill or to re-enter an 3 (APD) for such proposals.	USA UTU-15855 6. If Indian, Allottee or Tribe Name.
	INTRIPLICATE - Other	r Instructions on reverse side	7. If Unit or CA/Agreement, Name and/or
1. Type of Well Oil Well Gas W	Vell Dther		8. Well Name and No. Federal 1-23-9-16
 Name of Operator NEWFIELD PRODUCT 	TON COMPANY		9. APL Well No.
3a. Address Route 3 Box		3b. Phone <i>(include are code)</i>	43,013,33002
Myton, UT 4. Location of Well (Fe	84052 ootage, Sec., T., R., M., or Survey I	435.646.3721	10. Field and Pool, or Exploratory Area MONUMENT BUTTE
4. Location of wen (P	Jourge, Sec., 1., N., 141, 01 Survey 1	Jesenphiony	11. County or Parish, State
NENE Section 23 T9S			DUCHESNE, UT
<u> </u>		OX(ES) TO INIDICATE NATURI TYPE OF A	E OF NOTICE, OR OTHER DATA
TYPE OF SUBMISS			
Notice of Intent	Acidize		Production(Start/Resume) Water Shut-Off Reclamation Well Integrity
Subsequent Report	Casing Repair	<u> </u>	Recomplete X Other
	Change Plans	Plug & Abandon	Temporarily Abandon Spud Notice
Final Abandonment	Convert to	Plug Back	Water Disposal
•			
· /			
I hereby certify that the for	egoing is true and	Title	
correct (Printed/ Typed) Ray Herrera			
Gianatura 2		Drilling Foreman	
	enera		
Approved by	enero Manassario	Drilling Foreman Date	OMETCIE OSE
	THISSPAC	Drilling Foreman Date 12/13/2007	OFFICE USE Date
Conditions of approval, if any, certify that the applicant holds which would entitle the applica	are attached. Approval of this notice d legal or equitable title to those rights in ant to conduct operations thereon.	Drilling Foreman Date 12/13/2007 EFORFESTERATORSTATE Idees not warrant or n the subject lease Office	Date
Conditions of approval, if any, settify that the applicant holds which would entitle the applica Fitle 18 U.S.C. Section 1001 a	are attached. Approval of this notice d legal or equitable title to those rights in ant to conduct operations thereon. and Title 43 U.S.C. Section 1212, make	Drilling Foreman Date 12/13/2007 EFFORFEDERALORS FAUL Ioes not warrant or n the subject lease Office it a crime for any person knowingly and willfully	
Conditions of approval, if any, certify that the applicant holds which would entitle the applica Title 18 U.S.C. Section 1001 a	are attached. Approval of this notice d legal or equitable title to those rights in ant to conduct operations thereon. and Title 43 U.S.C. Section 1212, make	Drilling Foreman Date 12/13/2007 EFORFESTERATORSTATE Idees not warrant or n the subject lease Office	Date

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DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 321.02

LAST CASING 8 5/8" set @ 321.02	OPERATOR	Newfield Production Company
DATUM 12' KB	WELL	Federal I-23-9-16
DATUM TO CUT OFF CASING	FIELD/PROSPECT	Monument Butte
DATUM TO BRADENHEAD FLANGE	CONTRACTOR & RIG #	NDSI NS # 1
TD DRILLER 320' LOGGER		
HOLE SIZE 12 1/4		

LOG OF CAS	SING STRIN	G:						·	- <u></u>
PIECES	OD	ITEM - I	MAKE - DESCI	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
					ļ		<u></u>	ļ	
						• · · · · · · · · · · · · · · · · · · ·	ļ		
		Shoe	Joint 41.42'						
		WHI - 92 cs	g head		ļ		8rd	A	0.95
7	8 5/8"	Maverick ST			24#	J-55	8rd	A	309.17
			GUIDE	shoe		ļ	8rd	A	0.9
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	GTH OF ST	RING		311.02
TOTAL LENG	STH OF STE	RING	311.02	7	LESS CUT	OFF PIECE			
LESS NON C	SG. ITEMS		1.85		PLUS DATU	JM TO T/CU	IT OFF CSG		12
PLUS FULL	JTS. LEFT C	DUT	0		CASING SE	T DEPTH			321.02
-	TOTAL		309.17	7	่า				
TOTAL CSG.	DEL. (W/O	THRDS)	309.17	7	} сомрағ	RE			
TIMING			1ST STAGE						
BEGIN RUN	CSG.	Spud	12/10/2007	1:00 PM	GOOD CIRC	C THRU JOI	в	yes	
CSG. IN HOL	E		12/11/2007	10:30 AM	Bbls CMT C	IRC TO SUI	RFACE	4 bbls	
BEGIN CIRC			12/13/2007	8:40 AM	RECIPROC	ATED PIPE	FOR	N/A	
BEGIN PUM	P CMT		12/13/2007	9:00 AM			-		
BEGIN DSPL	CMT		12/13/2007	9:17 AM	BUMPED PI	0 PSI			
PLUG DOWN	1		12/13/2007	9:27 AM					
CEMENT US	ED			CEMENT CO	MPANY-	B. J.			
STAGE	# SX			CEMENT TY		/ES			
2 1	160	Class "G" w/	2% CaCL2 + 1	1/4#/sk Cello-F	-lake mixed @) 15.8 ppg 1	1.17 cf/sk yie	ld	·
								<u></u>	
CENTRALIZE	ER & SCRA	TCHER PLAC	CEMENT			SHOW MA	KE & SPACI	NG	
Centralizers	- Middle fi	rst, top seco	nd & third for	3					
<u>la sera di</u>		<u> </u>							

COMPANY REPRESENTATIVE Ray Herrera

1

- . "

DATE <u>12/13/2007</u>

STATE OF UTAH DIVISION OF OIL, GAS AND MINING ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY ADDRESS: RT. 3 BOX 3630

OPERATOR ACCT. NO.

N2695

4.54

DIV. OF OIL, GAS & MINING

.

MYTON, UT 84052

ACTION	Allan	7					•				1
CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APINUMBER	WELL NAME.		5 80	WELL	LOCATION	COUNTY	SPUD	EFFECTIVE
A	99999	16568	4310333002	FEDERAL 1-23-9-16	NENE	23	95	16E	DUCHESNE	DATE 12/13/2007	12/21/07
WELL 1 CO). //iminents: /	CREV									10/3//01
ACTION	CURRENT ENTITY NO.	NEW ENTITY NO.	API NJAHBER	WELL NAME			LL LOCA			SPUD	EFFECTIVE
A	999 99	16570	4301333004	FEDERAL 4-24-9-16	NWNW	8C 24	 9S	RG 16E	DUCHESNE	CATE 12/12/2007	DATE
	(SREV							DOULLONE		
ACTION	CURRENT ENTITY NO.	NEW ENTITY NO,	APINUMBER	WELL NAME			WELL	OCATION		SPUD	EFFECTIVE
		11	4301332961			a €	17	RG	COUNTY	DATE	
	99999	16561	4301332381	FEDERAL 8-23-9-16	SENE	23	95	16E	DUCHESNE	12/13/2007	12/31/07
	Gr	eev									13/31/07
ACTION	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME			WELL	OCATION		SPUD	EFFECTIVE
R	99999	12276	430133 <i>3520</i> 430133520	Wells Draw FEDERAL H-5-9-16	NENW	8 5	™ 95	16E		DATE 12/14/2007	DATE /2/21/000
	G	REV									<u></u>
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APINUMBER	LONE TREE			WELL	OCATION	т	SPUD	EFFECTIVE
B	99999				QQ	SC.	۹T.	85	COUNTY	DATE	DAVE
WELL 6 CX	1111	1/24/7	4301333309	FEDERAL 12-22-9-17	NWSW	22	95	17E	DUCHESNE	12/17/2007	12/31/07
	GR	RV 									
ACTION	CURRENT ENTERY NO,	NEW ENTIFY ND.	APT NUMBER	WELL NAME				OCATION		SPUD	EFFECTIVE
						-8C	•¶ •	RG	COUNTY	DATE	DUFE
WELL & CO	MMENT'S:										
	DE6 (See Instactions on be any antity for rane well (single							_	. 0		j
C-In	es to existing entity (group or in one existing entity to energy of form one existing entity to	ver existing entity							Signature	de	Tammi Lee
	er (explain in commanis section								Production Clerk		12/18/07

NOTE: Use COMMENT section to explain why each Action Code was selected.

Date

					,
FORM 3160-5	UNITED STATES				ORM APPROVED
	DEPARTMENT OF THE INTER				MB No. 1004-0135 bires January 31,2004
	BUREAU OF LAND MANAGEME Y NOTICES AND REPORTS (5. Lease Serial N	0.
Do not use	this form for proposals to drill o	or to re-enter an		UTU-15855 6. If Indian, Allott	ee or Tribe Name
abandoned w	/ell. Use Form 3160-3 (APD) for	such proposals.		-	
	RUELICALE Other Instructs	ni on referse side		7 If Unit or CA/A	greement, Name and/or
Type of Well	Other			8. Well Name and	No.
2. Name of Operator				Federal 1-23-9	9-16
NEWFIELD PRODUCTION CO Bar Address - Route 3 Box 3630	3b. Ph	one <i>(include are cod</i>		9. API Well No. 4301333002	
Myton, UT 84052		5.646.3721			, or Exploratory Area
and the state of the state of the state	Sec., T., R., M., or Survey Description)			MONUMENT E 11. County or Pari	
NENE Section 23 T9S R16E				-	
12 CHECK	APPROPRIATE BOX(ES) TO			DUCHESNE, U	· · · · · · · · · · · · · · · · · · ·
Track	AFFROINATE BOX(E3) TO				
TYPE OF SUBMISSION			F ACTION	<u> </u>	—
Notice of Intent		eepen	Production Reclamation	(Start/Resume)	Water Shut-Off Well Integrity
Subsequent Report		ew Construction	Recomplet		Other
Final Abandonment		lug & Abandon		y Abandon	
	Convert to	lug Back	Water Disp	oosal	
Final Abandonment Notices shall be inspection. Formation water is produ Ashley Monument Butte produced water is injecte Water not meeting quality approved surface dispose		lamation, have been complet production water m in facilities by compa enhance Newfield's s s Pariette #4 dispose C FC	Accenter U. I. Div	ator has determined t guidelines, it is act trucks. Sub ecovery project	hat the site is ready for final s transported to the sequently, the t. or at State of Utah
1 hereby certify that the foregoing is correct (Printed/ Lyped)	s true and	Title			
Mandie Crozier 2		Regulatory Speciali	st		
Signatureny in anterno	Lilaszin	Date 02/22/2008			
	STORENCE IN CONTROPORTED	PERSON DESTINAT	OFFICE	USE	
approved by		Title		Date	
Conditions of approval, if any, are attach	ed. Approval of this notice does not warrant or juitable title to those rights in the subject lease fuct operations thereon.				
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a crime for any p	ersop-know for m willful	lly to make to an	v department or ager	ncy of the United
<u>States any false, fictitious and fraudulent</u> (Instructions on reverse)	statements or representations as to any matter			. <u></u>	karantakar terretari dari dari dari dari dari dari dari d
	FE	B 2 6 2008			
		OIL, GAS & MINING	3		
•	NIV OF	OIL, GAS & WILLING			
and the second	DIV. OF				

	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING									
SUNDRY	SUNDRY NOTICES AND REPORTS ON WELLS									
Do not use this form for proposals to dr wells, or to drill horizont	7. UNIT or CA AGREEMENT NAME:									
I. TYPE OF WELL: OIL WELL	A GAS WELL OTHER			8. WELL NAME and NUMBER: Federal 1-23-9-16						
2. NAME OF OPERATOR:				9. API NUMBER:						
NEWFIELD PRODUCTION COM	1PANY			4301333002						
3. ADDRESS OF OPERATOR:			PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:						
Route 3 Box 3630 Cr 4. LOCATION OF WELL:	ry Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE						
FOOTAGES AT SURFACE:				COUNTY: DUCHESNE						
OTR/OTR. SECTION. TOWNSHIP. RANGE.	MERIDIAN: NENE, 23, T9S, R16E			state: UT						
IL CHECK APPROL	PRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REP	ORT, OR OTHER DATA						
TYPE OF SUBMISSION		T	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	2	WATER DISPOSAL						
(Submit Original Form Only)	CHANGE WELL STATUS		ON (START/STOP)	WATER SHUT-OFF						
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS		ION OF WELL SITE	X OTHER: - Weekly Status Report						
02/22/2008	CONVERT WELL TYPE		TE - DIFFERENT FORMATION							
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show a	all pertinent detai	s including dates, depths,	volumes, etc.						

The above mentioned well went on production 2/22/08. See attached daily activity report.

NAME (PLEASE PRINT) Tammi Lee

(This space for State use only)

SIGNATURE Same Stor

TITLE Production Clerk

DATE 02/28/2008

RECEIVED Mar 0 3 2008

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry FEDERAL 1-23-9-16 12/1/2007 To 4/29/2008

2/12/2008 Day: 1

Rigless on 2/11/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5707' & cement top @ 91'. Perforate stage #1. CP1 sds @ 5365-73' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 137 BWTR. SIFN.

2/19/2008 Day: 2

Rigless on 2/18/2008 - Stage #1, CP1 sands. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 22,746#'s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Leave pressure on well. 484 BWTR Stage #2, A1 & A3 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 12' & 18' perf gun. Set plug @ 5070'. Perforate A3 sds @ 4951- 63', A1 sds @ 4898- 4916' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 120 shots (2 runs). RU BJ Services. 1365 psi on well. Frac A1 & A3 sds w/ 159,791#'s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Leave pressure on well. 1589 BWTR Stage #3, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 11' perf gun. Set plug @ 4120'. Perforate GB6 sds @ 4007- 18' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. RU BJ Services. 1578 psi on well. Frac GB6 sds w/ 43,024#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs & died. Rec. est 300 BTF. SIWFN w/ 1678 BWTR.

2/20/2008 Day: 3

Western #4 on 2/19/2008 - MIRU Western #4. Hot oiler steamed & thawed out BOP & WH. Csg on vacuum. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, bit sub & 122 jts of 2 7/8" J-55 tbg. Tagged sand @ 3835'. RU Nabors power swivel & pump & lines. Circulate sand & drill out plugs as follows. Sand @ 3835', Plug @ 4120' (Drilled out in 21 mins), Sand @ 5055', Plug @ 5070' (Drilled out in 15 mins). Continue PU tbg. EOT @ 5317'. Circulate well clean. SIWFN w/ 1793 BWTR.

2/21/2008 Day: 4

Western #4 on 2/20/2008 - Hot oiler steamed & thawed out BOP & WH. Csg & tbg on vacuum. Continue PU & RIH w/ 2 7/8" J-55 tbg. Tagged sand @ 5630'. RU Nabors power swivel & pump & lines. C/O to PBTD @ 5740', LD extra tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2 jts, SN, 1 jt, TA, 170 jts of 2 7/8" J-55 tbg. SIWFN w/ 1838 BWTR.

2/22/2008 Day: 5

Western #4 on 2/21/2008 - Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#'s tension @ 5353', SN @ 5387', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B" grade rods as follows: 2 1/2" X 1 1/2" X 16' RHAC "CDI", 6- 1 1/2" wt bars, 20- 3/4" guided rods, 89- 3/4" plain rods, 100- 3/4" guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr.

http://www.inewfield.com/denver/SumActRpt.asp?RC=600159514&API=430133300200S01&MinDate=1/... 2/28/2008

Completion

Completion

Completion

Completion

Completion

Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORT!!!

Pertinent Files: Go to File List

FORM 3160-4 (July 1992)	LICATE* er in- s ons side)	TE* FORM APPROVED OMB NO. 1004-0137 Expires: February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO. U-15855							
WELL CON			D MANAGEME	•••		*	6. IF INDIA	N, ALLOTTER	E OR TRIBE NAME
1a. TYPE OF WORK							7. UNIT AG	REEMENT N.	NA ame
1b. TYPE OF WELL	OIL WELL	X GAS WEI		Other	•			CASTI	LE PEAK
NEW WORK WELL X OVER		PLU BAC		Other			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		ие, well no. L 1-23-9-16
2. NAME OF OPERATOR	Ne	wfield Explor	ation Company	,			9. WELL NO	1. 1. 1. 1. 1. 1.	3-33002
3. ADDRESS AND TELEPHONE N	0.			······	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	F.,	ND POOL OR	WILDCAT
4. LOCATION OF WELL (Rep At Surface At top prod. Interval reported be	ort locations clearly a	nd in accordance wi	00 Denver, CC th any State requirement L & 472' FEL NEN	its.*)	n an tha an tha start an tha Tha tha tha tha tha tha tha tha tha tha t	n Afrika statisti Na statisti Na statisti	11. SEC., T., OR AREA	R., M., OR BL	ENT BUTTE OCK AND SURVEY T9S R16E
At total depth		14. API N	o. 3-013-33002	DATE ISSUEI	2/12/07	n a _{se} n	12. COUNTY	OR PARISH	13. STATE UT
15. DATE SPUDDED 16. DAT 12/10/07	e t.d. reached 12/31/07	17. DATE COMPI		18. ELEVATIONS (DF, RKB, RT, GR, E 5663' KB	TC.)*			19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD	and the second of the second	K T.D., MD & TVD	22. IF MULTIPL	E COMPL.,	23. INTERVALS	ROT	ARY TOOLS		CABLE TOOLS
5825'		5740'	HOW MANY	*	DRILLED BY		Х		
24. PRODUCING INTERVAL(S), OI	THIS COMPLETION	[경영 : 이란말][[10][[]]	e (md and tvd)* N RIVER 4007	'-5373'					25. WAS DIRECTIONAL SURVEY MADE
26. TYPE ELECTRIC AND OTHER Dual Induction Guar		nsated Dens	ity, Compensat	ed Neutron, (GR, Caliper	, Ceme	ent Bond	l Log	27. WAS WELL CORED NO
23. CASING SIZE/GRADE	WEIGHT,		SING RECORD (Repo	rt all strings set in HOLE SIZE	· · · · · · · · · · · · · · · · · · ·	MENT CE	MENTING RE	CORD	AMOUNT PULLED
8-5/8" - J-55	24	¥	321.02	321.02' 12 1/4 To surface w/ 160s					AMOUNT FOLLED
5-1/2" J-55	15.5	5# 5	5784.19'	7 7/8	300sx of Pri	mlite II 8	& 400sx 50)/50 poz	
29.		R RECORD			30.		TUBING RI		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	size 2-7/8"	I	EOT @	4D)	PACKER SET (MD)
							5451.27	ر این که که ملط رف اور اور او	5352.90'
31. PERFORATION RECORD (Int <u>INTERVA</u>)		SIZE	<u>SPF/NUMBER</u>	32. DEPTH INT	ACID, SHOT, ERVAL (MD)				EZE, ETC. MATERIAL USED
CP1	sds 5365'-5373'	.49"	4/32	5365'-	-5373'	Frac w/	227463's	of 20/40 s	and in 347bbls of fluid
A1 sds 4898'-4916', A3		.49"	4/120	4898'-	تتشيب بينا والمنتخ والمتحد وأستعم والمتحد وتستعد الأراكي والمتعا	تبعك فسيست فسيعد فسترقط	·····		and in 1105 bbls of flu
GB6	sds 4007'-4018'	.49"	4/44	4007'-	-4018'	تبال الشبيب المعادية	<u> Selected a selected a</u>	<u></u>	and in 389 bbls of flui
	. A Line of the looking of the state of the s	han the fifth of the second	ini anti alla alla anti anti anti anti a	<u>, en di tre e incension</u>	an an gant and a star barries			<u>gal a contra da darrad</u>	• • • • • • • • • • • • • • • • • • •
33.*			PRODUC						
DATE FIRST PRODUCTION 2/21/08		2 1/	as lift, pumpingsize and t 2" X 1 1/2" X 1	ype of pump) 2'X 16' RHA					ATUS (Producing or shut-in) RODUCING
DATE OF TEST	HOURS TESTED	CHOKE SIZE	TEST PERIOD	LBBLS	GASMCF.	WATE			GAS-OIL RATIO
10 day ave	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GASMCF.	243	WATER-	121 BBL.	OIL GRAVIT	294 Y-API (CORR.)
34. DISPOSITION OF GAS (Sold, use	for fuel, vented, etc.)	>		 		ŀ	FEST WITNES	SED BY	
35. LIST OF ATTACHMENTS		Used for	r Fuel						
36. I hereby certify that the forego		ormation is complete	and correct as determin	ned from all availabl	le records	F	RECE MAR 1		3/11/2008
Tammi Lee							MAR 1	S Sano	
Title 18 U.S.C. Section 1001, makes it a crime	for any person knowingly and	*(See Instru willfully to make to any dep	artment or agency of the United	r Additional Data of States any false, fictitious or	on Reverse Side) fraudulent statements or	representation	OF OHaya	AS & MI	NING tion.

,

		TRUE VERT. DEPTH													
MARKERS	TOP	MEAS. DEPTH	3464' 3673'	3783' 4075'	4298' 4331'	4453' 4685'	4792' 5292'	5740' 0	5817'		 				
38. GEOLOGIC MARKERS		NAME	Garden Gulch Mkr Garden Gulch 1	Garden Gulch 2 Point 3 Mkr	X Mkr Y-Mkr	Douglas Creek Mkr BiCarbonate Mkr	B Limestone Mkr Castle Peak	Basal Carbonate Wasatch	Total Depth (Loggers)	 					
SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);	DESCRIPTION, CONTENTS, ETC.		Well Name Federal 1-23-9-16												
zones of porosity and sed, time tool open, fl	BOTTOM											 	 		
(Show all important : val tested, cushion u:	TOP														
 SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); 	FURMATION														



Well Name: Federal 1-23-9-16 LOCATION: S23, T9S, R16E COUNTY/STATE: Duchesne API: 43-013-33002

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Spud Date: 12-10-07 TD: 5825' CSG: 1-1-08 POP: 2-21-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
2/21/2008				1838				POP @ 12:00 w/ 74" SL @ 4 SPM. 1838 Total water to recover.
2/22/2008	20	0	62	1776	0	0	4 1/2	
2/23/2008	24	0	60	1716	0	0	4 1/2	
2/24/2008	24	0	95	1621	0	0	6	
2/25/2008	18	23	0	1621	0	40	6	Down - overspeed
2/26/2008	24	90	0	1621	0	10	4 1/2	
2/27/2008	24	27	0	1621	33	25	6	
2/28/2008	24	58	36	1585	31	25	6 1/4	
2/29/2008	24	0	97	1488	50	50	4 1/2	
3/1/2008	24	60	0	1488	35	30	4 1/2	
3/2/2008	24	112	23	1465	23	30	4 1/2	
3/3/2008	24	59	0	1465	24	45	4 1/2	
3/4/2008	24	58	5	1460	37	55	4 1/2	
3/5/2008	24	62	12	1448	31	65	4 1/2	
3/6/2008	24	58	8	1440	43	60	4 1/2	
3/7/2008	0	0	0	1440	0	40		Down - radiator problems
3/8/2008	18	20	58	1382	13	70	4 1/2	Down - bad radiator
3/9/2008	24	43	10	1372	27	70	4 1/2	
3/10/2008	24	47	5	1367	20	70	4 1/2	
3/11/2008				1367				
3/12/2008				1367				
3/13/2008				1367				
3/14/2008			1	1367				
3/15/2008				1367				
3/16/2008				1367				
3/17/2008				1367				a a construction of the second sec
3/18/2008				1367				
3/19/2008				1367				
3/20/2008				1367				
3/21/2008				1367				
3/22/2008			1	1367				
3/23/2008				1367				
	Ē	717	471	T T	367			

	STATE OF UTAH				FORM 9				
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI			5.LEASE UTU-15	DESIGNATION AND SERIAL NUMBER: 5855				
SUNDF	RY NOTICES AND REPORTS	S ON N	WELLS	6. IF INDI	AN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL forr	7.UNIT or GMBU (0	CA AGREEMENT NAME : GRRV)							
1. TYPE OF WELL Oil Well				1 ·	NAME and NUMBER: AL 1-23-9-16				
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY			9. API NU 430133	MBER: 330020000				
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-482		NE NUMBER:	L .	and POOL or WILDCAT: IENT BUTTE				
4. LOCATION OF WELL FOOTAGES AT SURFACE:				COUNTY: DUCHES					
0632 FNL 0472 FEL QTR/QTR, SECTION, TOWNSI Qtr/Qtr: NENE Section: 2	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 16.0E Meri	ridian: S	3	STATE: UTAH					
^{11.} CHEC	K APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPOR	RT, OR O	THER DATA				
TYPE OF SUBMISSION			TYPE OF ACTION						
			LTER CASING		CASING REPAIR				
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CI	HANGE TUBING		CHANGE WELL NAME				
SUBSEQUENT REPORT	CHANGE WELL STATUS	□ co	OMMINGLE PRODUCING FORMATIONS	1	CONVERT WELL TYPE				
Date of Work Completion: 9/23/2014		FF	RACTURE TREAT		NEW CONSTRUCTION				
372372014		Ц рі	LUG AND ABANDON		PLUG BACK				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		ECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION				
		L si	DETRACK TO REPAIR WELL		TEMPORARY ABANDON				
			ENT OR FLARE		WATER DISPOSAL				
Report Date:	WATER SHUTOFF	∐ si	TA STATUS EXTENSION		APD EXTENSION				
	WILDCAT WELL DETERMINATION	0	THER	OTHE	R:				
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 09/18/2014. On 09/22/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/23/2014 the casing was pressured up to 1244 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen.									
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUM 435 646-4874		TITLE Water Services Technician						
SIGNATURE N/A			DATE 9/25/2014						

Sundry Number: 55977 API Well Number: 43013330020000

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: <u>Millingen</u> Test Conducted by: <u>bung Daniek</u> Others Present:	Date 9:30	ém pm
•		•
Well: Federal 1-23-9-16	Field: GmBn	
Well Location: NE/NE Sec. 23, Tas, Bille E	API No: 43-013-3300 3	

Well Location: NE/NE Sec. 33, Tas, Pallo E Dischesne, Compy, What

Time	Casing Pressure				
0 min	1244	psig			
5	1244	psig			
10	1244	psig			
15	1244	psig			
20	1244	psig			
25	12-14	psig			
30 min	1244	psig			
35		psig			
40		psig			
45		psig			
50		psig			
55		psig			
60 min		psig			
Tubing pressure:	250	psig			
Result:	Pass F	ail			
Signature of Witness:					
Signature of Person Condu	Icting Test:	Jun			
	8				

-23-9-16	9:58:15 AM
Federal 1	9/23/2014 9

e e	PSI Absolute (psi)	
Legend 1900 P23437 1800 Absolute Pressure 1600 1500 1400	PSI Absolute (psi) PSI Absolute (psi) 00 01 02 03 04 05 05 06 05 05 05 05 05 05 05 05 05 05	10:33:20 / 9/23/20: -06:00
		10:26:40 AM 9/23/2014 -06:00
		10:20:00 AM 9/23/2014 -06:00
		10:13:20 AM 9/23/2014 -06:00
		10:06:40 AM 9/23/2014 -06:00
		10:00:00 AM 9/23/2014 -06:00

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Job Detail Summary Report

Well Name: Federal 1-23-9-16		
Jobs		l ios fran Dolo
Primary Job Type Conversion		9/15/2014 9/15/2014
Connet East Date		
9/15/2014 9/15/2014 MIRU		
Start Time 05:30	End Time 06:00	Comment C/Travt:
Start Time 06:00	End Time 07:00	Comment Safety Meeting,
Start Time 07:00	End Time 10:30	Comment : Repairs on NC#1 (Welding, Fab Work), MORUSU
Start Time 10:30	End Time 11:30	Comment : Safety Meeting,
Start Time 11:30	End Time 12:30	Comment RDPU
Start Time 12:30		Comment ; BMVV H/O Pumped 50BVV d/ Csg w/ Biocide
Start Time 13:15	End Time 14:45	Comment ; LD & Strip Polished Rod, US Rod Pmp, Wait on Wtr
Start Time 14:45	End Time 15:30	Comment ; H/O Flushed Rods w/ 40BW
Start Time 15:30	End Time 16:45	Comment Soft Seat Test, 3BW to Fill, PT Tbg to 3500psi, GOOD TESTI, Bleed Press
Start Time 16:45	End Time 18:00	Comment ; LD 1- 3/4"x 2',4',8' Pony Rods, 89- 3/4" 4per
Start Time 18:00	End Time 18:30	Comment C/Travi
ate 014	24th Activity Summary Continue LD Rods, NU BOPs	
05:30	End Time 06:00	Comment C/Travi
Start Time 06:00	End Time 06:30	comment Safety Meeting
Start Time 06:30	End Time 07:00	Comment ; OWU, BMW H/O Flushed Rods w/ 30BW w/ Biocide
Star Time 07:00	End Time 09:00	Comment LD-10- 3/4"4per- 89- 3/4" Plain- 20- 3/4" 4per- 6- 1 1/2" Wt Bars, Rod Pump on Trl,
Start Time 09:00	End Time 10:00	Comment XO For Tbg, ND WH Flange, Function Test BOPs, NU BOP, RU Workfloor
Start Time 10:00	End Time 12:30	Comment. Release TAC, POOH w/ 125- (3933) 2 7/8" B&D Everyother Collar
Start Time 12:30	End Time 13:30	Comment ; H/O Flushed Tbg w/ 40BW, POOH w/ Remaining 48- Jts, LD TAC,PSN,NC
Start Time 13:30	End Time 15:00	Comment MU Slaugh Scrapper, TIH w/ 173- Jts, PU 4-Jts, Tag Fill @ 5663'(77' of Fill on PB), LD 4- Jts,
Start Time 15:00	End Time 15:30	Comment : H/O Flushed Tbg w/ 40BW
1.	End Time 18:00	Comment LD 1-Jt, POOH w/ 124- Jts B&D Everyother Collar, H/O Flushed w/ 20BW During Trip;
Start Time 18:00	End Time 18:30	Comment SWJFN
Start Time 18:30	End Time 19:00	Comment
www.newfield.com		Page 1/3 B/24/2014

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Report Printed: 9/24/2014 . H/O Pmped 60BW w/ Multi-Chem PKR Fluids d/ Annulus, Circ @ 20Bbls Set 5 1/2" AS-1X CE @ 3952' w/ 1500# of Tension, NU 3K Injection Tree MU WFT AS-1X Injection PKR Assa., TIH w/ 125- Jts Doping Pins Check Csg Pressure- 1394psi, 100psi Loss in 720Min, comment : 5BW to Fill, PT Tbg to 3200psi, Observ Press Press Leveled Out For 30Min, GOOD TEST! RD Workfloor, ND BOPs, MU WH Flange : OWU, BMW H/O Flushed Tbg w/ 30BW : Drop S/Valv, MU RIH w/ S/Line to Seat : LD 48- Jts 2 7/8" on Trl, LD Scrapper Comment NFX Wtr Service Rep Preformed MIT 2BW to Fill Annulus, PT to 1500psi. 50psi Loss in 30Min, Bleed Off Gas Comment SWIFN w/ Pressure on Csg Comment C/Travl Comment . H/O Flushed Tbg w/ 30BW Comment Retrieve S/Valv w/ S/Line Comment : Repressure to 1490psi Comment 20psi Loss in 30Min Comment Safety Meeting Comment Safety Meeting Page 2/3 Comment C/Travl C/Trav Comment Comment Commen Commer Comn 14:15 17:15 17:45 00:70 07:30 08:00 00:90 07:00 07:30 08:30 10:00 10:45 11:15 13:30 13:45 15:00 16:00 16:30 17:00 18:00 18:30 19:00 00:90 24hr Activity Summary Will be preforming MIT this morning 24hr Activity Summary LD Remaining Tbg, PU PKR End Time amit bri End Time Well Name: Federal 1-23-9-16 Report End Date 9/18/2014 Report End Date 9/17/2014 17:45 07:30 10:45 13:45 16:00 16:30 17:00 17:15 18:00 18:30 05:30 00:90 07:00 00:90 10:00 11:15 14:15 15:00 05:30 00:70 07:30 08:30 13:30 www.newfield.com **Daily Operations** Report Start Date 9/17/2014 Report Start Date 9/18/2014 Start Time Start Time

NEWFIELD Well Name: Federal 1-23-9-16		Job Detail Summary Report
Start Time	End Time	
U8:00 Start Time	End Time 04:00	GOOD MIT, NO LOSS III JOUNIII 1334-DSI Comment DDMAOSLI Final Bin Renort!! Rearly for State MIT
US:00 Report Start Date Report End Date 24hr Av 9/23/2014 Cond	24hr Activity Summary Conduct MIT	
10:00	End Time 10:30	Comment On 09/22/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/23/2014 the casing was pressured up to 1244 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test.
www.newfield.com		Page 3/3 Report Printed: 9/24/2014

NEWFIELD **Schematic** 11/ Well Name: Federal 1-23-9-16 State/Province Field Name Surface Legal Location API/UWI Well RC Lease County GMBU CTB6 DUCHESNE Utah 23-9S-16E 43013330020000 500159115 Spud Date Fotal Depth All (TVD) (ftKB) PBTD (All) (ftKB Original KB Elevation (ft) Ground Elevation (ft) Rig Release Date On Production Date Original Hole - 5,740.0 12/10/2007 5.651 1/1/2008 2/20/2008 5,663 Most Recent Job Job End Date Primary Job Type Secondary Job Type Job Start Date Job Category Production / Workover Basic 9/15/2014 9/23/2014 Conversion TD: 5,825.0 Vertical - Original Hole, 9/24/2014 11:12:45 AM TVD Vertical schematic (actual) MD (ftKB) (ftKB) Incl (°) DLS DLS (° ... 12.1 3-1; Stretch Correction; 2 7/8; 12-13; 1.10 13.1 90.9 319.2 1; Surface; 8 5/8 in; 8.097 in; 12-320 ftKB; 307.90 ft 319,9 3-2; Tubing; 2 7/8; 2.441; 13-3,946; 3,932.89 3,945.9 3-3; Pump Seating Nipple; 2 7/8; 2 270; 3,946-3,947; 1 10 3,947.2 3-4; On-Off Tool; 4,52; 1,875; 3,947-3,949; 1.45 3,948.5 -3-5; X Seal Nipple; 2 7/8; 2,270; 3,949-3,949; 0.33 3,948.8 3-6; Packer; 4 5/8; 2.441; 3,949-3,956; 6.95 3,955.7 3-7; Cross Over; 3.64; 1.991; 3,956-3,956; 0.51 3,956.4 -3-8; Tubing Pup Joint; 2 3/8; 1.991; 3,956-3,960; 4.10 3,960.3 -3-9; XN Nipple; 2 3/8; 1,875; 3,960-3,962; 1.22 3,961.6 -3-10; Wireline Guide; 3 1/8; 1.991; 3,962-3,962; 0.40 3,961.9 4,006.9 10000 Perforated; 4,007-4,018; 2/18/2008 13839 4,018.0 4,898.0 1000 Perforated; 4,898-4,916; 2/18/2008 8853 4,916.0 4,951.1 19292 Perforated; 4,951-4,963; 2/18/2008 18882 4,962.9 5,365.2 10000 Perforated; 5,365-5,373; 2/18/2008 1000 5,373.0 5,739.2 5,739.8 5,740.2 5,783.5 2; Production; 5 1/2 in; 4.950 in; 12-5,784 ftKB; 5,771.88 ft 5,784.1 5,825.1

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NEWFIELD

Newfield Wellbore Diagram Data Federal 1-23-9-16

Surface Legal Location 23-9S-16E					API/UWI 43013330020000		Lease	
DUCHESNE		State/Province Utah			_{Basin} Uintah Basin		Field Name GMBU CTB6	
Vell Start Date		Spud Date 12/10/2007		Final Rig Release Date		On Production Date 2/20/2008		
12/9/2007 Iniginal KB Elevation (ft) Ground Eleva	ation (ft)	Tolal Depth (ft		2007	1/1/2008 Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB)	
5,663	5,651			5,825.0			Original Hole - 5,74(0.0
Casing Strings		1. 10.						1.000
Csg Des Surface		Run D 12/10/2007		OD (in) 8 5/8	ID (in) 8.097	Wt/Len (lb/ft) 24.00	Grade J-55	Set Depth (ftKB)
Production		1/1/2008		5 1/2	4.950	15.50		5,7
		1112000						
Cement String: Surface, 320ftKB 12/	13/2007		16.3	Half Street of the		the second second		
Cementing Company	13/2007				Top Depth (ftKB)	Boltom Depth (flKB)	Full Return?	Vol Cement Ret (bbl)
J Services Company					12.0	320.0		
luīd Description 2% CaCL2 + 1/4#/sk Cello-Fla	ake mixed				Fluid Type	Amount (sacks) 160	Class G	Estimated Top (ftKB) 1
String: Production, 5,784ftKl		3	100					Children and Children and
ementing Company						Boltom Depth (ftKB) 5,825.0	Full Return?	Vol Cement Ret (bbl)
3J Services Company					91.0 Fluid Type	3,623.0 Amount (sacks)	Class	Estimated Top (ftKB)
0% gel + 3 % KCL, 3#'s /sk (CSE + 2# s	sk/kolseal +	1/2#'s/sk	Cello Flake	Lead	300	Premlite II	9
Iuid Description 2% Gel + 3% KCL, .5%EC1,1/	4#skCE	2% del 3%	SM mixe	4	Fluid Type Tail	Amount (sacks) 400	Class 50:50 POZ	Estimated Top (ftKB) 2,50
Fubina Strings	H# SK O.I .	2 /0 gei. 5 /					00.001 02	2,00
ubing Description					Run Date	0044	Set Depth (ftKB)	
Tubing Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	9/15/2 Grade	2014 Len (ft)	Top (ftKB)	3,96 Btm (ftKB)
Stretch Correction	1	2 7/8		TTT (IDITY)	Citate	1.10	12.0	1;
ubing	125	2 7/8	2.441	6.50	J-55	3,932.89	13.1	3,94
Pump Seating Nipple	1	2 7/8	2,270			1.10	3,946.0	3,94
On-Off Tool	1	4.515	1.875	1	W. C.N. MARK	1.45	3,947.1	3,94
K Seal Nipple	1	2 7/8	2.270			0.33	3,948.5	3,94
Packer	1	4 5/8	2.441	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Charles and	6.95	3,948.9	3,95
Cross Over	1	3.635	1.991			0.51	3,955.8	3,956
Fubing Pup Joint	1	2 3/8	1.991		18-19-19-19-19-19-19-19-19-19-19-19-19-19-	4.10	3,956.3	3,960
XN Nipple	1	2 3/8	1.875			1.22	3,960,4	3,96
Wireline Guide	1	3 1/8	1.991	Lang Star		0.40	3,961.7	3,962
Rod Strings Rod Description		211013		X 1 781 18 5	Run Date	- 1 2	Set Depth (ftKB)	
	1							
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
					l			0 - 101
Portoration Intonvale								Date
		Top (ff	tKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
Stage# Zone 3 GB6, Original Hole	1	Top (f.	tKB) 4,007	Blm (ftKB) 4,018	Shot Dens (shots/ft) 4	Phasing (°)	Nom Hole Dia (in)	2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole		Top (f	4,007 4,898	4,018 4,916	4	Phasing (*)	Nom Hole Dia (in)	2/18/2008 2/18/2008
Stage#Zone3GB6, Original Hole2A1, Original Hole2A3, Original Hole		Top (f	4,007 4,898 4,951	4,018 4,916 4,963	4 4 4	Phasing (*)	Nom Hole Dia (in)	2/18/2008 2/18/2008 2/18/2008
Stage#Zone3GB6, Original Hole2A1, Original Hole2A3, Original Hole1CP1, Original Hole		Top (f	4,007 4,898	4,018 4,916	4 4 4	Phasing (°)	Nom Hole Dia (in)	2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stimulations & Treatments			4,007 4,898 4,951 5,365	4,018 4,916 4,963 5,373	4 4 4 4			2/18/2008 2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stage# ISIF	? (psi) 1,697	Top (f	4,007 4,898 4,951 5,365	4,018 4,916 4,963	4 4 4	Phasing (*) Total Clean Vol (bbl)	Nom Hole Dia (in)	2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stage#	1,697		4,007 4,898 4,951 5,365 ent (psi/ft)	4,018 4,916 4,963 5,373 Max Rate (bbl/min)	4 4 4 4 Max PSI (psi) 1,876			2/18/2008 2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stage#			4,007 4,898 4,951 5,365 ent (psi/ft) 0.86	4,018 4,916 4,963 5,373 Max Rate (bbl/min) 23,4	4 4 4 4 <u>Max PSI (psi)</u> 1,876 2,149			2/18/2008 2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stage# ISIF	1,697 2,091		4,007 4,898 4,951 5,365 ent (psi/ft) 0.86 0.86	4,018 4,916 4,963 5,373 <u>Max Rale (bbl/min)</u> 23.4 23.3	4 4 4 4 <u>Max PSI (psi)</u> 1,876 2,149			2/18/2008 2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stage# ISIF ISIF Total Prop	1,697 2,091 1,913 Vol Pumped		4,007 4,898 4,951 5,365 ent (psi/ft) 0.86 0.86	4,018 4,916 4,963 5,373 <u>Max Rale (bbl/min)</u> 23.4 23.3	4 4 4 4 <u>Max PSI (psi)</u> 1,876 2,149 2,515	Total Clean Vol (bbl)		2/18/2008 2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole 5 CP1, Original Hole Stage# ISIF Proppant Total Prop (1,697 2,091 1,913	Frac Gradie	4,007 4,898 4,951 5,365 ent (psi/ft) 0.86 0.86 0.79	4,018 4,916 4,963 5,373 <u>Max Rale (bbl/min)</u> 23.4 23.3	4 4 4 4 <u>Max PSI (psi)</u> 1,876 2,149 2,515			2/18/2008 2/18/2008 2/18/2008 2/18/2008
Stage# Zone 3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole Stimulations & Treatments Stage# ISIF 3 ISIF Proppant Total Prop 3 I	1,697 2,091 1,913 Vol Pumped	Frac Gradie	4,007 4,898 4,951 5,365 ent (psi/ft) 0.86 0.86 0.79	4,018 4,916 4,963 5,373 Max Rate (bbl/min) 23.4 23.3 23.2	4 4 4 4 <u>Max PSI (psi)</u> 1,876 2,149 2,515	Total Clean Vol (bbl)		2/18/2008 2/18/2008 2/18/2008 2/18/2008
3 GB6, Original Hole 2 A1, Original Hole 2 A3, Original Hole 1 CP1, Original Hole 5	1,697 2,091 1,913 Vol Pumped	Frac Gradie Proppant \ Proppant \	4,007 4,898 4,951 5,365 ent (psi/ft) 0.86 0.86 0.79 White Sand	4,018 4,916 4,963 5,373 <u>Max Rate (bbl/min)</u> 23.4 23.2 23.2 d 43024 lb	4 4 4 4 <u>Max PSI (psi)</u> 1,876 2,149 2,515	Total Clean Vol (bbl)		2/18/2008 2/18/2008 2/18/2008 2/18/2008

	STATE OF UTAH	-0	FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855
SUNDF	RY NOTICES AND REPORTS C	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: FEDERAL 1-23-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013330020000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0632 FNL 0472 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSI	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 16.0E Meridia	an: S	STATE: UTAH
^{11.} CHEC	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOP	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	 ACIDIZE CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show all erence well was put on inject 10/29/2014. 		 CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION WATER DISPOSAL APD EXTENSION OTHER:
NAME (PLEASE PRINT)	PHONE NUMBE		
Lucy Chavez-Naupoto SIGNATURE	435 646-4874	Water Services Technician DATE	
N/A		10/30/2014	



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-363

- **Operator:** Newfield Production Company
- Well: Federal 1-23-9-16
- Location: Section 23, Township 9 South, Range 16 East
- County: Duchesne
- **API No.:** 43-013-33002
- Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on May 6, 2010.
- 2. Maximum Allowable Injection Pressure: 1,671 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (**3,870'** 5,817') The injection top is limited by nearby well Federal 9-23-9-16 (43-013-30654).
- 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:

Duchesne County Well File

JR/MLR/is

ociate Director

cc: Bruce Suchomel, Environmental Protection Agency

Jill Loyle, Newfield Production Company, Denver

Bureau of Land Management, Verna

Newfield Production Company, Myton

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

10/27/2014 Date



OIL, GAS & MINING



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

GARY R. HERBERT Governor GREGORY S. BELL Lieutenant Governor

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

May 6, 2010

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

Subject: <u>Greater Monument Butte Unit Well: Federal 1-23-9-16, Section 23, Township 9 South, Range 16 East,</u> SLBM, Duchesne County, Utah, API Well # 43-013-33002

Gentlemen:

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 3,870 feet in the Federal 1-23 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

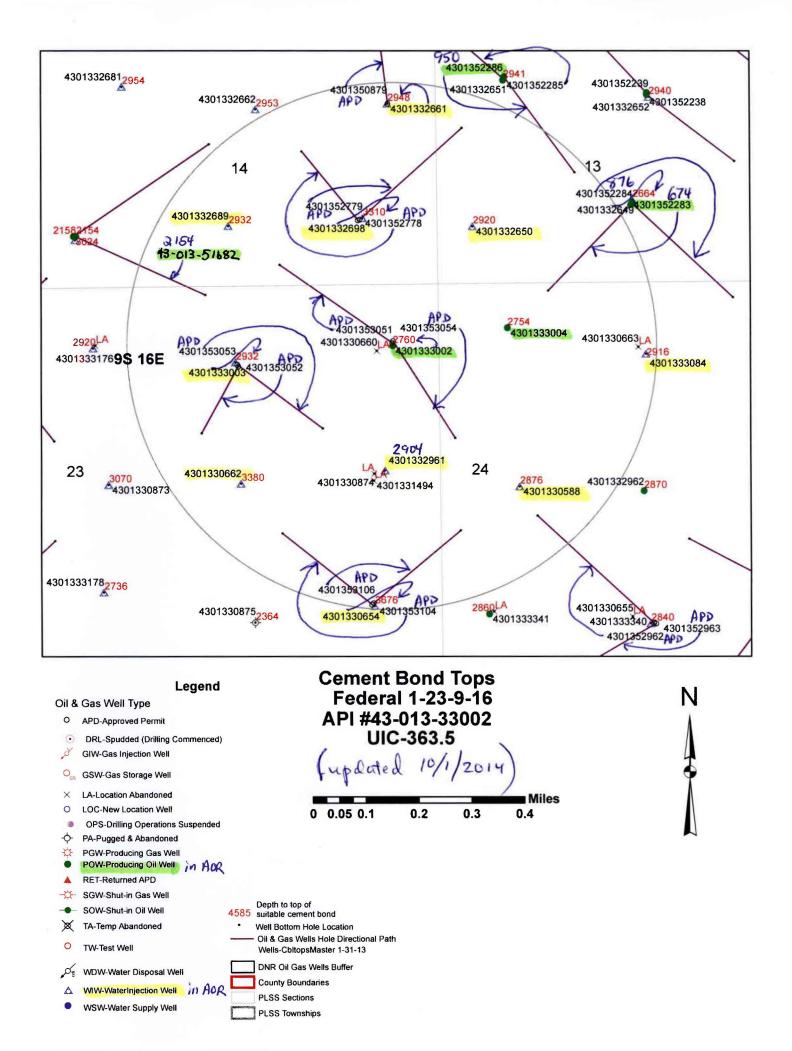
Gil Hunt Associate Director

GLH/MLR/js

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

N:\O&G Reviewed Docs\ChronFile\UIC\\Newfield\Greater Monument Butte 1594 West North Temple, Suite 1210, 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 1-23-9-16
Location: 23/9S/16E	API: 43-013-33002

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. The Federal Government is the mineral owner 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 leaseholders 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 321 feet and has a cement top at the surface. A 5¹/₂ inch production casing is set at 5,784 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,760 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,957 feet. Higher perforations will 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 (10/1/2014), based on surface locations, there are 2 producing wells and 10 injection wells in the area of review. In addition, there are 3 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location for a directional well with a surface location inside the AOR and bottom hole location outside the AOR and 1 approved surface location outside the AOR for a bottom hole location inside the AOR. Most of the existing wells have evidence of adequate casing and cement for the proposed injection interval. However, the Federal 9-23-9-16 well (API # 43-013-30654), located within the AOR, appears to have inadequate cement for the proposed injection interval. Its CBL (4/1/1983) indicates a cement top at about 3,676 feet. To protect this wellbore Newfield will not perforate the Federal 1-23-9-16 well above 3,870 feet (see next paragraph).

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 2100 feet. The requested injection interval is between 3,781 feet and 5,817 feet in the Green River Formation. However, the top of the acceptable cement is at about 3,676 feet in the Federal 9-23-9-16 well (API # 43-013-30654), located within the AOR, approximately $\frac{1}{2}$ mile south of the Federal 1-23-9-16 well. This cement top correlates to a depth of approximately 3,770 feet in the Federal 1-23-9-16 well. For this reason, it is suggested that the top of the injection interval be permitted no higher than a depth of 3,870 feet in the Federal 1-23-9-16 well. Information submitted by Newfield indicates

Federal 1-23-9-16 page 2

that the fracture gradient for the 1-23-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,671 psig. The requested maximum pressure is 1,671 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.

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): <u>Mark Reinbold</u> Date: <u>4/26/2010 (revised 10/1/2014)</u>

4770 S. 5600 W.
P.O. POX 704005
WEST VALLEY CITY, UTAH 84170
FED TAX 1.D # 87-0217663

The Salt Lake Tribune



Morning News

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE

DIV OF OIL-GAS & MINING. 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114 9001402352

3/31/2010

ACCOU	BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION		
DIV OF OIL-G	CAUSE NO. UIC-363		
TELEPHONE	ADORDER# / INVOICE NUMBE	TION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAI WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 2: TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNT UTAH, AS CLASS II INJECTION WELLS.	
8015385340	0000561251 /	THE STATE OF UTAH TO ALL PERSONS INTERESTED IN TH ABOVE ENTITLED MATTER.	
SCH	Notice is hereby given that the Division of Oil, Gas and Min ing (the "Division") is commencing an informal adjudicativ proceeding to consider the application of Newfield Produc		
Start 03/30/2010	End 03/30/2010	 proceeding to consider the application of NewField Production tion Company for administrative approval of the followin wells located in Duchesne County, Utah, for conversion t Class II injection wells: 	
CUST,	REF. NO.	Greater Monument Butte Unit: Hawkeye 14-23-8-16 well located in SE/4 SW/4, Sectic 23 Township 8 South Panae 16 Fact	
20100325	Howkeys 14:23-5-16 well foction is 2,4 3W/4, Section 23,7ownship 8 South, Ronge 16 East Monument Butte 4-26-8-16 well located in NW/4 NW/- Section 26, Township 8 South, Ronge 16 East Monument Butt Federal 10-26-8-16 well located in NW/4 SE/4, Section 2: Township 8 South, Ronge 16 East Monument Butte Federal 1-14-9-16 well located in SW/ DW/4 Section 2 Councils 0 South Bange 16 East		
CAI	PTION	 SW/4, Section 1, Township 9 South, Range 16 East Monument Federal 32-1J-9-16 well located in SW/4 NE/- Section 1, Township 9 South, Range 16 East 	
BEFORE THE DIVISI	Monument Butte Federal 1-14-9-16 well located in SW/ SW/4, Section 1, Township 9 South, Range 16 East Monument Federal 32-1J-9-16 well located in SW/4 NE/. Section 1, Township 9 South, Range 16 East South Wells Draw Federal 2-3-9-16 well located in NW/ NE/4, Section 3, Township 9 South, Range 16 East South Wells Draw Federal 8-3-9-16 well located in SE/. NE/4, Section 3, Township 9 South, Range 16 East South Wells Draw Federal 8-3-9-16 well located in SE/. NE/4, Section 3, Township 9 South, Range 16 East South Wells Draw Federal 8-3-9-16 well located in SE/. NE/4, Section 3, Township 9 South, Range 16 East Janah Unt 4-12-9-16 well located in NW/4 NW/4, Section 1 Township 9 South, Range 16 East Federal 1-23-9-16 well located in NE/4 NE/4, Section 2 Township 9 South, Range 16 East		
	SIZE	Township 9 South, Ronge 16 East Jonoh Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East	
73 Lines	2.00 COLUMN	Tegeral 1-22-9-16 well focated in NE/4 NE/4, Section 2: Township 9 South, Range 16 East The proceeding will be conducted in accordance with Utc Admin. 849-10, Administrative Procedures.	
TIMES	RATE	Selected zones in the Green River Formation will be used for	
4		water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient in formation submitted by Newfield Production Compony.	
MISC. CHARGES	AD CHARGES	Any person desiring to object to the application or otherw intervene in the proceeding, must file a written protest or r tice of intervention with the Division within fifteen days fi lowing unbirging of this patient. The Division's President	
	TOTAL COST	lowing publication of his notice. The Division's Presiding OF cer for the proceeding is Gil Hunt, Associate Director, at P.X Box 145801, Sait Lake City, UT 84114-5801, phone num ber (801) 538-5340. If such a protest or notice of interver tion is received, a hearing will be scheduled in accordan with the aforementioned administrative procedural rule Protestants and/or interveners should be prepared to demo	
	10142-0051	strate at the hearing how this matter affects their interests. Dated this 25th day of March, 2010.	
	250.28	STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/Gil Hunt	
4	Associate Director 561251 UPAXLP		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER. I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL. GAS AND MINI FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH. AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON	Start	03/30/2010	End 03/30/2010	VIRGINIA CRAFT
SIGNATURE	Rin	at 2 July	Commission # 581469 My Commission Expires January 12, 2014	
DATE	3/31/2010			Veranua Viast
		THIS IS NOT A STATEMENT PLEASE PAY FRO	BUT A "PROOF OF PUBLIC M BILLING STATEMENT	ATION"

AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for ______ consecutive issues, and that the first publication was on the ______ day of _______, 20_____, and that the last publication of such notice was in the issue of such newspaper dated the _______ day of _______, 20_____, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Publisher Subscribed and sworn to before me this UNT 20 / C> day of Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-363

BEFORE THE DIVI-SION OF OIL, GAS AND MINING DEPARTMENT OF

NATURAL RESOURC-ES

STATE OF UTAH IN THE MATTER OF THE APPLICATION OF NEWFIELD PRO-DUCTION COMPANY FOR ADMINISTRA-TIVE APPROVAL OF CERTAIN WELLS LO-CATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWN-SHIP9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THESTATEOFUTAH TO ALL PERSONS IN-TERESTED 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 for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23, Township 8 South, Range 16 East

Monument Butte 4-26-8-16 well located in NW/4 NW/4, Section 26, Township 8 South, Range 16 East Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East

Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4,

Section 1, Township 9 South, Range 16 East

Monument Federal 32-1J-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East

South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range Dated this 25th day of March, 2010. STATE OF UTAH DIVISION OF OIL. GAS & MINING

/s/ Gil Hunt

Associate Director Published in the Uintah Basin Standard March 30, 2010.

nd swom to before me this and 20 Notary Public

BONNIE PARRISH NOTARY PUBLIC-STATE OF UTH 471 N HILLGREST DR 415-5 ROOBEVELT, UTAH 14011 COMM, EXP. 3-31-2012

Greater Monument Butte Unit: Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23, Township 8 South, Range 16 East Monument Butte 4-26-8-16 well located in NW/4 NW/4, Section 26, Township 8 South, Range 16 East Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East Monument Federal 32-1J-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East ... South Walls Doom Dod Township9 South, Range 16 East South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South. Range 16 East Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 11. Township 9 South, Range 16 East Jonah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East Federal 1-23-9-16 well located in NE/4 NE/4. Section 23, Township 9 South, Range 16 East 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 Gil Hunt. Associate Director, 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

Dated this 25th day of March, 2010. STATE OF UTAH DIVISION OF OIL. GAS & MINING /s/ Gil Hunt

Associate Director Published in the Uintah Basin Standard March 30, 2010.

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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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 Gil Hunt, Associate Director, 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 25th day of March, 2010.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

Associate Director

Newfield Production Company

HAWKEYE 14-23-8-16, MONUMENT BUTTE 4-26-8-16, MONUMENT BUTTE FEDERAL 10-26-8-16, MONUMENT BUTTE FEDERAL 1-14-9-16, MONUMENT FEDERAL 32-1J-9-16, SOUTH WELLS DRAW FEDERAL 2-3-9-16, SOUTH WELLS DRAW FEDERAL 8-3-9-16, JONAH FEDERAL 4-11-9-16, JONAH UNIT 4-12-9-16, FEDERAL 1-23-9-16.

Cause No. UIC-363

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 <u>ubs@ubstandard.com</u>

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

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 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

SITLA 675 East 500 South, Suite 500 Salt Lake City, UT 84102-2818

for Sweet

From:Bonnie <bonnie@ubstandard.com>To:<jsweet@utah.gov>Date:3/26/2010 11:33 AMSubject:UIC 363

Jean,

Notice of Agency Action UIC 363 will publish on March 30th. Thank you,

--Bonnie Parrish Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 (435) 722-5131 (435) 722-4140 Fax bonnie@ubstandard.com



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

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

March 25, 2010

Via e-mail: ubs@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-363

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,

Jean Sweet

Jean Sweet Executive Secretary

Enclosure





Order Confirmation for Ad #0000561251-01

Client Client Phone	DIV OF OIL-GAS & MINING e 801-538-5340				•	or Customer or Phone	DIV OF OIL-GAS & MINING 801-538-5340	Ad Content Proof Actual Size BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NUTURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-363
Account# Address	9001402352 1594 W NORTH TEMP #1210,P.O. B				Payor Account BOX 145801 Payor Address		9001402352 1594 W NORTH TEMP #1210,P.O.	IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUC- TION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY,
Fax EMail Total Amou	SALT LAKE CITY, UT 84114 USA 801-359-3940 dianeholland@utah.gov nount \$250.28			Ordered By Jean Sweet		•	SALT LAKE CITY, UT 84114 Acct. Exec jvaldez	UTAH, AS CLASS II NJECTION WELLS. THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE BNTITLED MATTER. Notice is hereby given that the Division of Oil, Gas and Min- ing (the "Division") is commencing an informal adjudicative proceeding to consider the application of NewField Produc- tion Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:
Payment Amt Amount Due Payment Method Confirmation Notes: Text:		\$0.0 \$250.1	00) <u>Tear Sheet</u>		<u>Proofs</u> 0 <u>PO Number</u>	<u>Affidavits</u> 1 20100325	Greater Monument Butte Unit: Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23,Township 8 South, Range 16 East Monument Butte 4-26-8-16 well located in NW/4 NW/4, Section 26, Township 8 South, Range 16 East Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9, South, Range 16 East
Ad Type Legal Liner		Ad Size 2.0 X 73 I	_i			Color <none></none>		Monument Federal 32-11-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Ronge 16 East South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Ronge 16 East South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South, Ronge 16 East Jonah Fed- eral 4-11-9-16 well located in NW/4 NW/4, Section 11, Township 9 South, Ronge 16 East Jonah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Ronge 16 East Federal 1-23-9-16 well located in NE/4 NE/4, Section 23, Township 9 South, Ronge 16 East
<u>Product</u> Salt Lake T Scheduled						e - 0998		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 in- formation submitted by NewField Production Company.
Product Deseret Ne Scheduled		03/30/2010	Leg	cement al Liner	Notice	e - 0998		Any person desiring to object to the application company. Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or no- tice of intervention with the Division within fifteen days fol- lowing publication of this notice. The Division's Presiding Offi- cer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Saft Loke City, UT 84114-5801, phone num- ber (801) 538-5340. If such a protest or notice of interven-
Product sltrib.com:: Scheduled	Date(s):	03/30/2010	Leg	<u>cement</u> al Liner	Notice	e - 0998		ber (801) 539-5340. If such a protest or notice of interven- tion is received, a hearing will be scheduled in accordance with the aforenentioned administrative procedural rules. Protestants and/or interveners should be prepared to demon- strate at the hearing how this matter affects their interests. Dated this 25th day of March, 2010.
<u>Product</u> utahlegals.c Scheduled		03/30/2010		cement nlegals.c	com			Dated tins 2 sim day of wards, 2010. STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/Git Hunt Associate Director S61251 UPAXLP

Page 1

From:"Valdez-Carruther, Justina" <jvaldez@mediaoneutah.com>To:<JSWEET@utah.gov>Date:3/26/2010 12:05 PMSubject:20100325Attachments:OrderConf.pdf

MAR 30



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

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

March 25, 2010

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-363

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 for account #9001402352 to:

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

Sincerely,

Jean Sweet

Jean Sweet Executive Secretary

Enclosure





RECEIVED MAR 16 2010 DIV. OF CAL, GKS & MINING

March 9, 2010

Mr. Dan Jarvis State of Utah Division of Oil, Gas and Mining Post Office Box 145801 Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well Federal #1-23-9-16 Monument Butte Field, Lease #U-15855 Section 23-Township 9S-Range 16E Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Federal #1-23-9-16 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,

No. 10. W 102 P 11. 4. 4. 5. 7.

Eric Sundberg Regulatory Analyst

NEWFIELD PRODUCTION COMPANY

:

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

FEDERAL #1-23-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #U-15855

March 9, 2010

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Federal #1-23-9-16

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 and num	nber:	Federal #	1-23-9-16						
Field or Unit name:							Lease No.	U-15855	<u> </u>
Well Location: QQ		section		township	95	range		county	Duchesne
Is this application fo	r expansion c	of an existing	g project? .		· · · · · · · · · ·	Yes [X]	No []		
Will the proposed w	ell be used fo	r:	Disposal?	d Recovery?		Yes[]	No [X]		
Is this application fo	r a new well t	o be drilled	?			Yes[]	No [X]		
If this application is has a casing test Date of test: API number: 43-0	been perform		ell? _ 			Yes[]	No [X]		
Proposed injection i Proposed maximum Proposed injection z mile of the well.	injection:	[x] oil, [] (gas, and/or	to pressure [] fresh wa	iter within		-5-2 should	l	
			accompa	ny this form.					
List of Attachments:		Attachme	nts "A" thro	ough "H-1"					
I certify that this rep	ort is true and	d complete t	to the best	of my knowle	edge.				
Title Reg	Sundberg Julatory Analy 3) 893-0102	st		Signature Date 	3/11/	10			
(State use only) Application approve Approval Date						Title			
high an are			· · · · ·			_			

•

FEDERAL 1-23-9-16

Proposed Injection

Wellbore Diagram

Cement Top @ 91

Spud Date: 12/06/07 Put on Production: 02/11/08 GL: 5651' KB: 5663'

02.0001 112.0000

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (309.17') DEPTH LANDED: 321' HOLE SIZE: 12 ¼' CEMENT DATA: To Surface w/160sx of class 'G' cement

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 5815' DEPTH LANDED: 5784' HOLE SIZE: 7-7/8 CEMENT DATA: 300 sx of Primilite II and 400 sx of 50/50 poz. CEMENT TOP: 91'

TUBING

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SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 170 jts (5340.76') TUBING ANCHOR: 5352.76' KB NO. OF JOINTS: 1 jt (31.34') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5386.90' KB NO. OF JOINTS: 2 jts (62.82') TOTAL STRING LENGTH: EOT @ 5451.27' KB

ye wax x	
FR/	AC JOB
2/19/08 5365-537	3 Frac CP1 sds w/ 22,746#'s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped
	780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Calc flush: ? Actual Flush: 4830 gals.
N 2/19/08 4898-491	6 Frac A1 & A3 sds w/ 159,791#'s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.
2/19/08 4951-49	Frac A1 & A3 sds w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.
2/19/08 4007-40	Frac GB6 sds w/ 43,024#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Caic flush:? Actual Flush: 3948 gals.
	10/8/08 Pump change. Updated rod & tubing details.
	PERFORATION RECORD
Packer @ 3957'	
4007-4018'	02/12/08 5365-5373 4 JSPF 32 holes 02/19/08 4951-4963 4 JSPF 48 holes
	02/19/08 4898-4916 4 JSPF 72 holes
4898-4916'	02/19/08 4007-4018 4 JSPF 44 holes
4951-4963'	

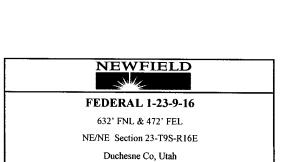
5365-5373'

PBTD @ 5740'

TD @ 5817

Initial Production: BOPD,

MCFD, BWPD



API #43-013-33002; Lease # U-15855

WORK PROCEDURE FOR INJECTION CONVERSION

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- 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.
- 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 #1-23-9-16 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 #1-23-9-16 well, the proposed injection zone is from Garden Gulch to TD (3781' - 5817'). 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 3463' and the TD is at 5817'.

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

The referenced log for the Federal #1-23-9-16 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.

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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 #U-15855) 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.

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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 321' KB, and 5-1/2", 15.5# casing run from surface to 5784' 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.

The proposed average and maximum injection pressures.

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The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1671 psig.

2.8 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 #1-23-9-16, for existing perforations (4007' - 5373') calculates at 0.86 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 1671 psig. We may add additional perforations between 3463' and 5817'. See Attachments G and G-1.

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

In the Federal #1-23-9-16, the proposed injection zone (3781' - 5817') is in the Garden Gulch to 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.

2.10 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-12.

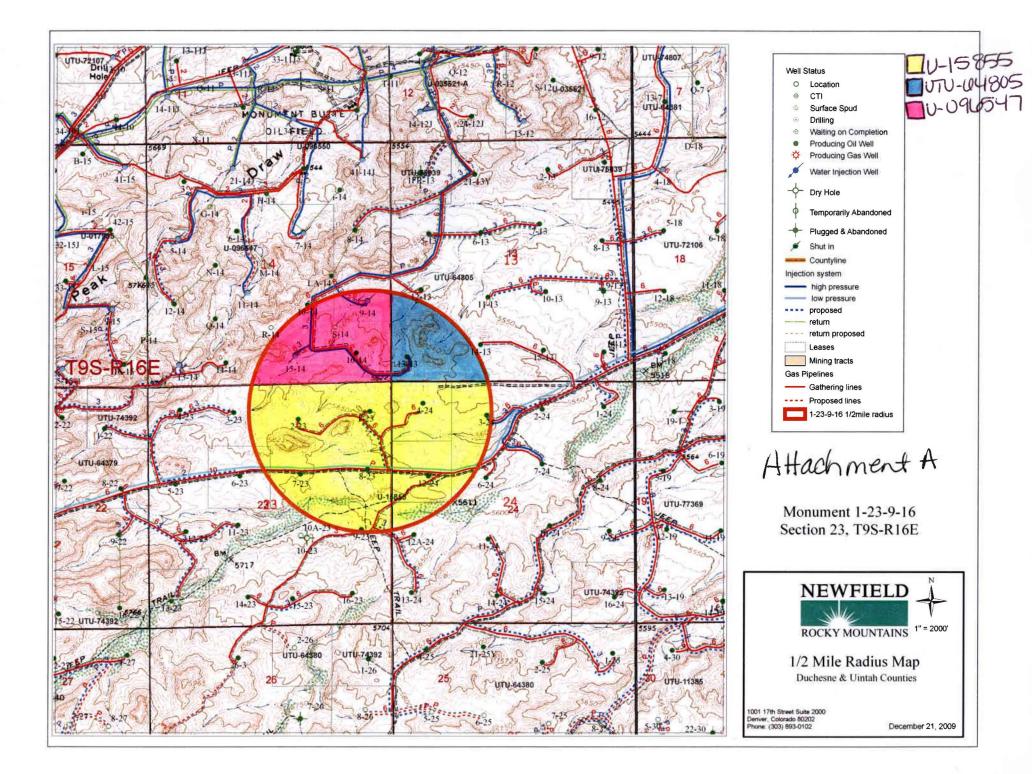
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

2.11 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.

2.12 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.



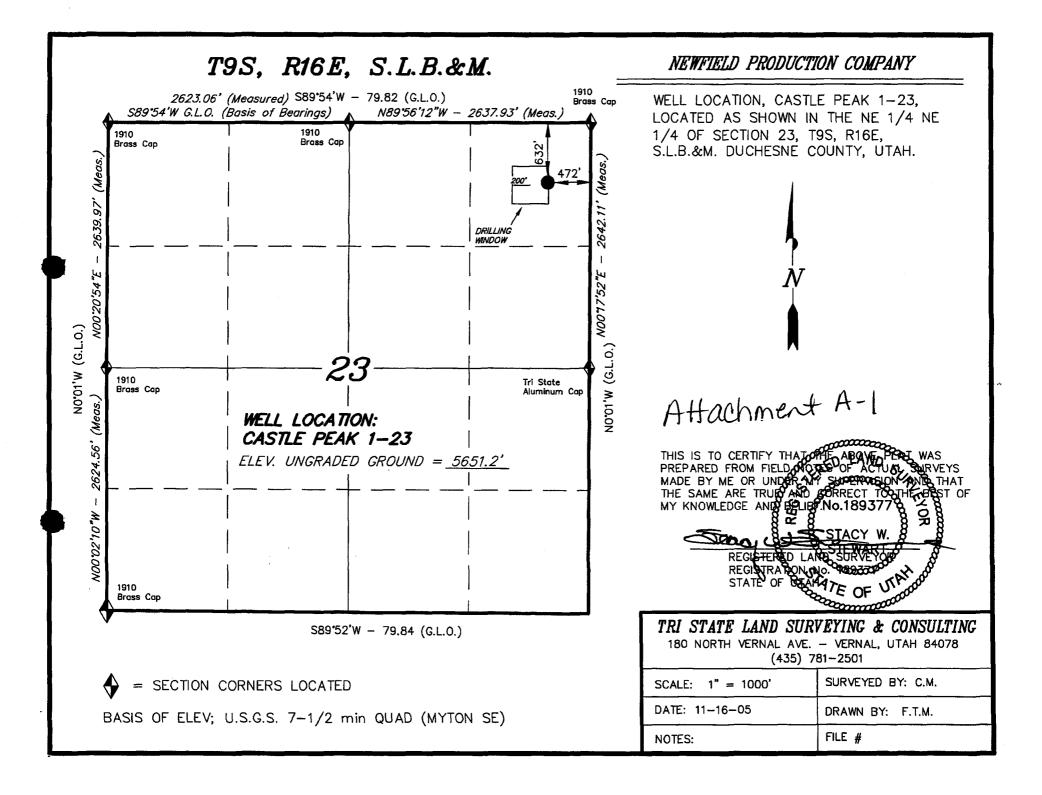


EXHIBIT B Page 1 of 2

#	Land Description	Minerals Ownership & Expires	& Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	U-15855 HBP	Newfield Production Company 1001 17 th St. Suite 2000 Denver, CO 80202 Bee Hive Oil, LLC 3738 Newland Drive Round Rock, TX 78681 Six Gold Oil, LLC PO Box 8758 The Woodlands, TX 77387-8758 Rust To Gold, LLC 17350 State Hwy 249, Suite 249 Houston, TX 77064-1140 King Oil and Gas of Texas, Ltd C/O Allan C. King 800 Bering Dr Houston, TX 77057 Jasper Warren 17350 State Hwy 249 Suite 140 Houston, TX 77064-1140	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well Federal #1-23-9-16

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 Production Company

Eric Sundberg **Regulatory Analyst**

Sworn to and subscribed before me this <u>1</u><u><u><u>H</u></u> day of <u>March</u> Notary Public in and for the State of Colorado: <u>Caudice</u> <u>L</u></u> 2010.

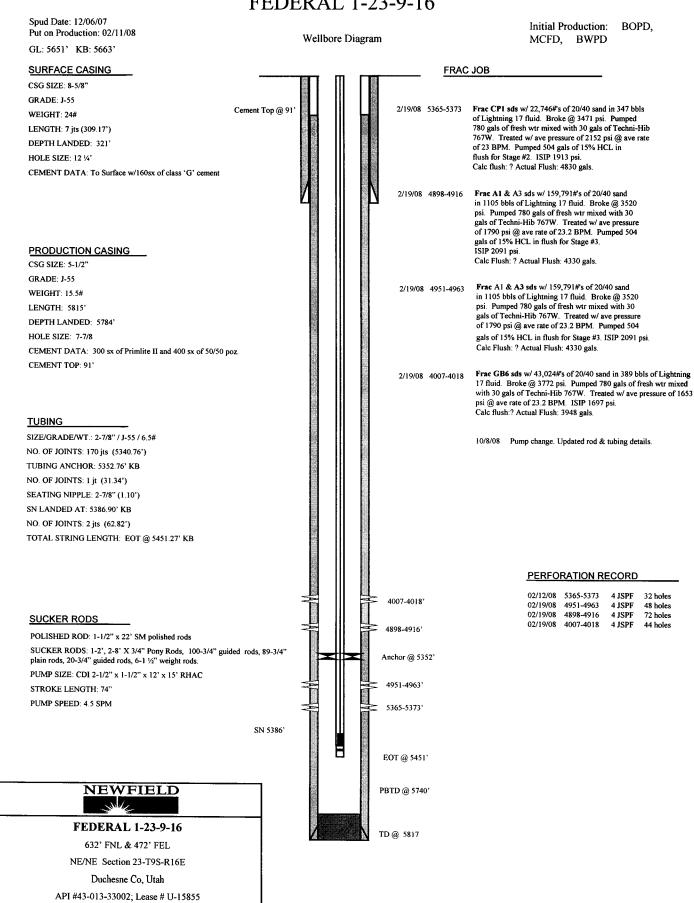
My Commission Expires:

My Commission Expires 02/10/2013



AHachment E

FEDERAL 1-23-9-16



Attachment E-1

Initial Production: 46 BOPD, 111 MCFPD, 45 BWPD

Jonah Federal 9-14-9-16

Injection Wellbore

10-23-06

11-10-06

Spud Date: 05/13/05 Put on Production: 06/15/05 GL: 5571' KB: 5583'

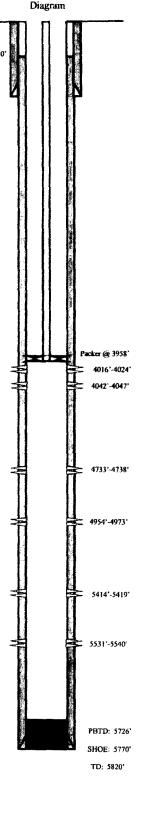
SURFACE CASING Cement top @ 160* CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT:24# LENGTH: 7 jts. (304.57') DEPTH LANDED: 314.57* HOLE SIZE: 12-1/4" CEMENT DATA: 160 sks Class "G" cement, est. 6 bbls cement to surface

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: (36 jts. (5772.05') DEPTH LANDED: 5770.05' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sks Prem Lite II, 400 sks 50-50 Poz mix CEMENT TOP @ 160'

TUBING

SIZE/GRADE/WT .: 2 7/8" / 6.5# / J-55 NO. OF JOINTS: 121 jts. (3937.79') NO. OF JOINTS: 1 jt. (32.55') SN LANDED AT: 1.10' (3954') NO. OF JOINTS: 2 jts. (65 66') TOTAL STRING LENGTH EOT - 3958'



FRAC J	ОВ	
06/07/05	5414'-5540'	Frac CP4 and CP2 sand as follows: 40,739#'s of 20/40 sand in 416 bbts lightning 17 frac fluid. Treated w/avg press of 1595 psi, w/avg rate of 24.9 bpm. ISIP 1780 psi. Calc flush: S412 gal Actual flush: 5166 gal
06/07/05	,4954*-4973'	Frac A3 sand as follows: 70,185#'s of 20/40 sanct in 538 bbls fightning 17 frac fluid. Treated w/avg press of 1763 psi. ISIP 2170 psi Calc flush: 4952 gal. Actual flush: 4704 gal.
06/08 /05	4733'-4738'	Frac 81 sand as follows: 20,2104's of 20/40 sand in 253 bbls tightning 17 frac fluid. Treated w/avg press of 2085 psi, w/ avg rate of 24.8 bpton ISIP 2050 psi. Cale flush: 4731 gal. Actual flush: 4494 gal
06/08/05	4016' -404 7'	Frac GB6 sand as follows: 38,754#'s of 20/40 sand in 347 bbbs lightning 17 fiac fluid Treated w/avg press of 1704 pai w/avg rate of 24.7 bpm. ISIP 1840 psi. Calc flush: 4014 gal Actual flush: 3948 gal

Well Converted to Injection Well.

MIT to complete Conversion

PERFORATION RECORD						
06/01/05	5531'-5540'	4 JSPF	36 holes			
06/01/05	5414'-5419'	4 JSPF	20 holes			
06/07/05	4954'-4973'	4 JSPF	76 holes			
06/07/05	4733'-4738'	4 JSPF	20 holes			
06/08/05	4042'-4047'	4 JSPF	20 holes			
06/08/05	4016'-4024'	4 JSPF	32 holes			

NEWFIELD 1

Jonah Federal 9-14-9-16 1785' FSL & 508' FEL NE/SE Section 14-T9S-R16E Duchesne Co, Utah API 43-013-32661; Lease UTU-096550

Attachment E-2

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Spud Date: 5-18-05

Jonah Federal 10-14-9-16

Put on Production: 6-23-05					Initial Production: 55 BOPD,
GL: 5607' KB: 5619'		Injection Well Diagram	bore		22 MCFD, 232 BWPD
SURFACE CASING				FRAC JOB	
CSG SIZE 8-5/8" GRADE 1-55 WEIGHT 244	Content Top@ 90'			6-15-05 5109-5139'	Frac LODC sand as follows: 40770W's 20/40 sand in 380 bbls Lightning 17 finc fhuid Treated @ avg press of 3940 psi w/avg rate of 24 3 BPM ISIP 2950 psi Calc flush: 5107 gal Actual flush 4872 gal
LENGTH 7 jts (303') DEPTH LANDED 314 85' KB HOLE SIZE 12-1/4" CEMENT DATA 160 sxs Class "G" cmi, est :	Casing Shoe @ 315 5 bbis cmt to surf			6-15-05 49 80-5007 *	Frac A3 anad as follows: 110,5598's 20/40 sand in 774 bbls Lightning 17 fine fluid Treated @ avg press of 1950 psi w/avg rate of 24 8 BPM avg press of 1950 psi flush 4978 gal Actual flush: 4746 gal
				6-16-05 4808-4817'	Fine B2, sand as fellows: 408774's 20/40 sand in 371 bbls Lightning 17 fine fluid Treated @ avg press of 2399 psi w/avg rate of 25 1 BPM VSJ P 2300 psi Calc flush 4505 gal Actual flush 4536 gal
PRODUCTION CASING CSG SIZE 5-1/2" GRADE J-55				6-16-05 3937-3946*	Frac GB2 sand as follows: 293764's 20/40 sand in 281 bbls Lightning 17 frac fluid Treated @ ang press of 1385 psi wavg rate of 14 3 BPM ISIP 2100 psi Calc Rush 3935 gal Actual flush 3864 gal
WEIGHT 15 5#				04/24/06	Pump Change. Update rod and tubing details
LENGTH 137 jis (5796 74')				6/11/08	Pump Change Updated rod and tubing detail
DEPTH LANDED 5809 99' KB HOLE SIZE 7-7/8' CEMENT DATA 310 sss Prem Lite II & 400	n			12/28/10 4055-4070*	Frac GB6 sands as follows: Frac with 46694# 20/40 sand in 262 bbls Lighting 17 fluid
CEMENT TOP AT 90'	533 30 30 FUZ			12/29/10	Re-Completion finalized - updated tbg and rod details
				06/25/13 06/28/13	Convert to Injection Well Conversion MIT Finalized - update tbg
SIZE/GRADE/WT 2-7/8" / J-35 / 6 5# NO OF JOINTS 120 jts (3904') SEATING NIPPLE 2-7/8" () 10') SN LANDED AT 3916' KB RET HEAD AT 3917 / ARROW #1 PACKER CE AT 3922' XO 2-3/8 x 2-7/8 J-55 AT 3926' TBG PUP 2-3/8 J-55 AT 3926 5' X/N NIPPLE AT 3930 6' TOTAL STRING LENGTH FOT @ 3932 17			SN @ 3916' Ret Head @ 3917 Packer @ 3922' X/N Nipple @ 393 EOT @ 3932'		
		卫	4055-4060'		
		*	4066-4070'		PERFORATION RECORD 6-10-05 \$131-5139' 4 JSPF 32 holes 6-10-05 \$109-5113'' 4 JSPF 16 holes 6-13-05 4980-5007' 4 JSPF 108 holes 6-13-05 4808-4817' 4 JSPF 36 holes
		幸	4653-4663		6-16-05 4653-4663' 4 JSPF 40 holes 6-16-05 3937-3946' 4 JSPF 36 holes 12-28-10 4066-4070' 3 JSPF 12 holes
		4	4808-4817		12-28-10 4055-4060' 3 JSPF 15 holes
		#	4980-5007		
		- 1	5109-5113		
Jonah Federal 10-14- 1730' FSL & 1820' F NW/SE Section 14-19S: Duchesne Co, Utah	9-16 EL -R16E		PB I D @ 5766' SHOE @ 5810' TD @ 582'		
API #43-013-32662; Lease #U					LCN 07/01/13

Attachment E-3

Jonah Federal 15-14-9-16

Injection Wellbore

Spud Date: 5-4-05 Put on Production: 6-10-05 GL: 5631' KB: 5643'

SURFACE CASING

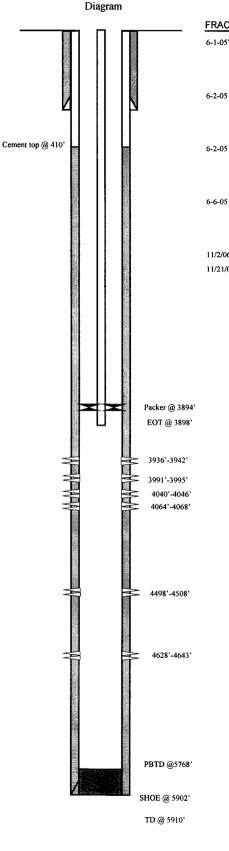
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (302-46') DEPTH LANDED: 314.31' KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 139 jts. (5888.88") DEPTH LANDED:5902.13' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ. CEMENT TOP AT: 410'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 116 jts (3877.64') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 3889.64' KB TOTAL STRING LENGTH: EOT @ 3898.24' KB



Initial Production: BOPD 42, MCFD 13, BWPD 161

FRAC JOB	
6-1-05' 4628-4643'	Frac C sand as follows: 57,701#'s 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of2180 psi w/avg rate of 24.5 BPM. ISIP 3700 psi. Screened out short of flush.
6-2-05 4498-4508'	Frac D1 sand as follows: 69,795#'s 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1589 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4496 gal. Actual flush: 4200 gal.
6-2-05 4040-4068'	FracGB6 sand as follows: 28,155#'s 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 psi w/avg rate of 24.6 BPM. ISIP 3450 psi. Screened out short of flush.
6-6-05 3936-3942'	Frac GB2 & GB4 sand as follows: 29,409#'s 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.4 BPM. ISIP 1900 psi. Calc flush: 3934 gal. Actual flush: 3881 gal.
11/2/06	Well converted to an Injection well.
11/21/06	MIT completed and submitted.

PERFORATION RECORD						
5-25-05	4628-4643'	4 JSPF	60 holes			
6-2-05	4498-4508'	4 JSPF	40 holes			
6-2-05	4040-4046'	4 JSPF	24 holes			
6-2-05	4064-4068'	4 JSPF	16 holes			
6-2-05	3991-3995'	4 JSPF	16 holes			

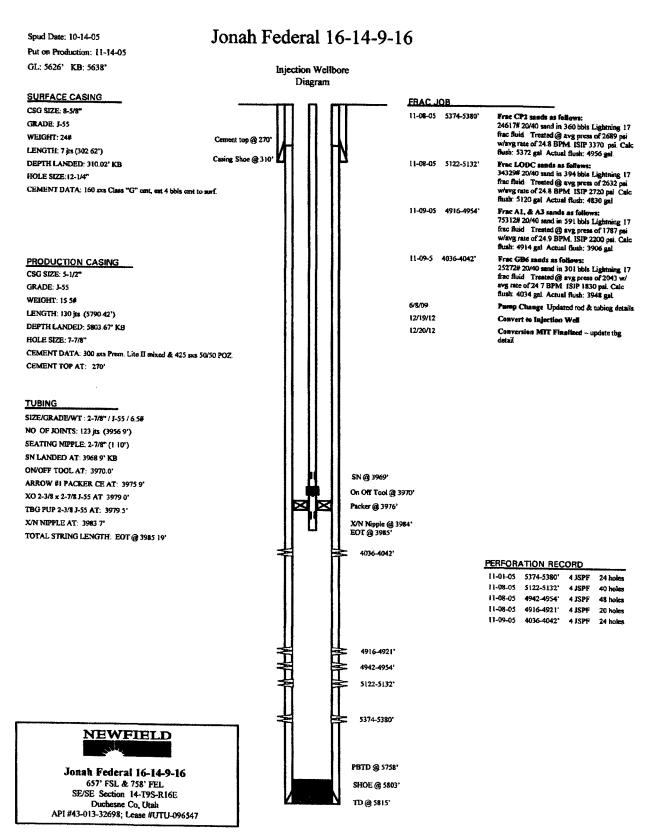
24 holes

6-2-05 3936-3942' 4 JSPF

NEWFIELD

Jonah Federal 15-14-9-16 610' FSL & 2096' FEL SW/SE Section 14-T9S-R16E Duchesne Co, Utah API #43-013-32689; Lease #UTU-096547

Attachment E-4



LCN 01/04/13

Attachment E-5

FEDERAL 13-13-9-16

Spud Date: 04/13/07 Put on Production: 05/23/07 GL: 5592' KB: 5604'

Injection Wellbore Diagram

Ø

Casing shoe @ 319'

SURFACE CASING

Cement Top @ Surface CSG SIZE: 8-5/8* GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (309.33') DEPTH LANDED: 319.33' KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 131 jts. (5793.19') DEPTH LANDED: 5789.19' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 126 jts (3906.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 3918.4' KB ON/OFF TOOL AT: 3919.5' ARROW #1 PACKER CE AT: 3924.9' XO 2-3/8 x 2-7/8 J-55 AT: 3928.3* TBG PUP 2-3/8 J-55 AT: 3928.8' X/N NIPPLE AT: 3932.9' TOTAL STRING LENGTH: EOT @ 3934.27'



FEDERAL 13-13-9-16 555'FSL & 344' FWL SW/SW Section 13-T9S-R16E Duchesne Co, Utah API #43-013-32650; Lease # UTU-64805

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u na		S. Car		
		N. AND	SN @ 3918'	
X		Č.	On Off Tool @ 3919' Packer @ 3925'	
でもない			X/N Nipple @ 3933' EOT @ 3934'	
STATISTICS			3983-3990' 4027-4035'	
and the			4494-4499'	
			4628-4642'	
1			4909-4914'	
		1.5	4949-4959'	
114.30			5366-5374'	
Al Inc. Market		Alexandre	5528-5533'	
		22200		
	-		PBTD @ 5756'	
		Ň	SHOE @ 5789'	

TD @ 5800'

Initial Production: 53 BOPD, 3 MCFD, 88 BWPD

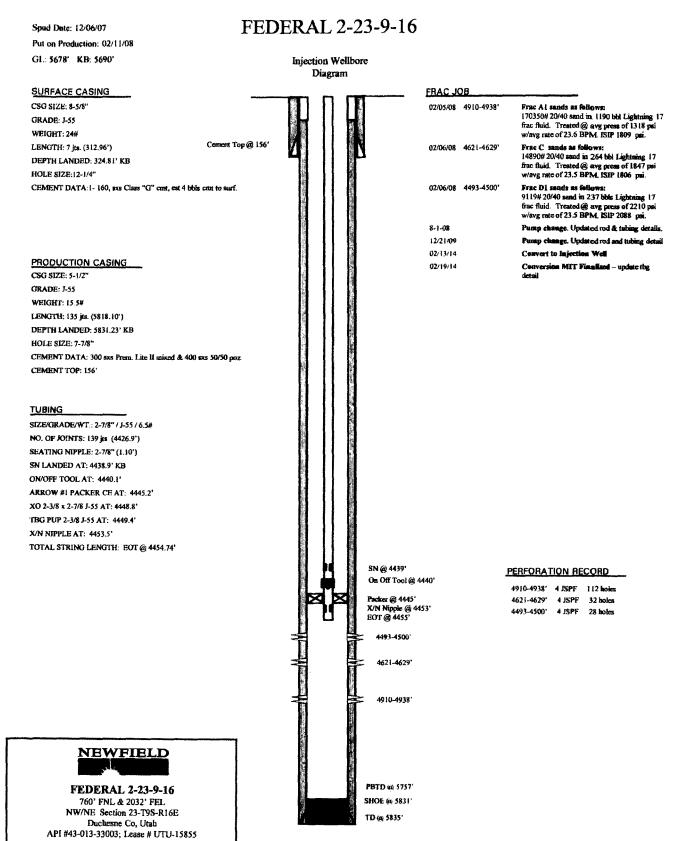
FRAC J		
05/15/07	5528-5533'	Frac CP3 sands as follows: 14792# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2351 psi w/avg rate of 24.8 BPM ISIP 2074 psi. Calc flush: 5526 gal. Actual flush: 5019 gal.
05/15/07	5366-5374'	Frac CP1 sands as follows: 40830# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1857 psi wlavg rate of 22.6 BPM, ISIP 1997 psi. Calc flush: 5364 gal. Actual flush: 4868 gal.
05/18/07	4909-4959'	Frac A1&3 sands as follows: 67943# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1919 psi w/avg rate of 24.7 BPM. ISIP 1970 psi. Caic flush: 4907 gal. Actual flush: 4406 gal.
05/18/07	4628-4642'	Frac C sauds as follows: 29975# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1884 psi w/avg rate of 24.7 BPM, ISIP 1910 psi. Calc flush: 4626 gal. Actual flush: 4124 gal
05/1 8/07	4494-4499'	Frac D1 sands as follows: 14891# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1954 psi w/avg rate of 24.7 BPM. ISIP 1980 psi. Calc flush: 4492 gal. Actual flush: 3990 gal
05/1 8/07	39 83- 4035'	Frac GB4&6 sands as follows: 56438# 20/40 sand in 443 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi wlavg rate of ? BPM. ISIP 1685 psi. Calc flush: 3981 gal. Actual flush: 3910 gal
7/17/08		Pump change, updated rod and tubing detail.
1/20/2010	1	Pump change. Updated rod and tubing detail
12/11/12		Convert to Injection Well
12/12/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD							
05/02/07	5528-5533'	4 JSPF	20 holes				
05/1 5/ 07	5366-5374'	4 JSPF	32 holes				
05/15/07	4949-4959'	4 JSPF	40 holes				
05/15/07	4909-4914'	4 JSPF	20 holes				
05/18/07	4628-4642'	4 JSPF	56 holes				
05/18/07	4494-4499'	4 JSPF	20 holes				
05/18/07	4027-4035'	4 JSPF	32 holes				
05/18/07	3983-3990'	4 JSPF	28 holes				

Attachment E.5A

NEWF	ELD					Schematic			
Mall			40		43-	013-329	61		
Vell Nam		eral 8-23-9	-16		APHUMI	Wel RC	Laase State/Provence	Field Name	County
3-9S-16E	Rig Relea	te Date IOn P	reduction Date	Original KB Eravatio		9610000 500159250 Ground Elevation (ft)	Utah Total Depth Ali (TVD) (fKB)	GMBU CTB6 PBTD (AII) (ffRB)	DUCHESNE
			4/2008	5,697		5,685	and a set of the set o	Original Hole	- 5,753.0
ost Recent	Job	Prere	ary Job Type		Secondary	Job Type	Job Start Date	Job End Date	
roduction / \		Cor	version		Basic		2/14/2014	2/2	25/2014
D: 5,810	TVD I		1	Vertic	cal - Origin	nal Hole, 9/9/2014 9:43	2:28 AM		
ID (ftKB)	(ftKB)	Incl (")	DLS			Vert	ical schematic (actual)		
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314 3							-1, Surface, 8 5/8 in, 8.097 in	12-314 RKB; 3	02.20 11
321 9				000000000000000000000000000000000000000		Constanting of the second	-2-1; Tubing; 2 7/8; 2.441; 12	2-3,947; 3,935.0	0
3,946 9							-2-2; Nipple: 2 7/8, 2.441; 3,9	47-3 948- 1 10	
3,948 2					E		-2-3; On-Off Tool: 2 7/8; 2.44		1.80
3 949 8					L.C.		-2-4; Packer; 5 1/2; 4.950; 3,		
3,957 0							-2-5; XO Nipple, 2 3/8; 1.867		
3,957 3									
3 961 6							-2-6; Tubing Pup Joint; 2 3/8		
3 963 3					E	3	-2-7; XN Nipple, 2 3/8; 1 867	; 3,962-3,963; 1	60
4,000 0									
4,015 1						N. A.			
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4,454 1				3	Ι				
								12/2008	
4,462 9					I	8			
4,725 1				1				12/2008	
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Attachment E-6



LCN 02/24/14

arbinente-7

FEDERAL 4-24-9-16

Spud Date: 12/12/07 Put on Production: 02/26/08 GL: 5613' KB: 5625'

Wellbore Diagram

Cement Top @ 84'

Initial Production: BOPD, MCFD, BWPD

19538# 20/40 sand in 318 bbls Lightning 17

frac fluid. Treated @ avg press of 2319 psi

frac fluid. Treated @ avg press of 2913 psi w/avg rate of 23.1 BPM. ISIP 3354 psi.

79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi.

54904# 20/40 sand in 482 bbls Lightning 17 frac fluid. Treated @ avg press of 2070 psi w/avg rate of 23.1 BPM. ISIP 2153 psi.

74458# 20/40 sand in 594 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 23.1 BPM. ISIP 1788 psi.

w/avg rate of 23.0 BPM. ISIP 2169 psi.

Frac CP1 sands as follows:

Frac LODC sands as follows: 14448# 20/40 sand in 267 bbl Lightning 17

Frac A3 & A1 sands as follows:

Frac D1 sands as follows

Frac GB6 sands as follows:

FRAC JOB

02/21/08 5350-5360'

02/21/08 5062-5068'

02/21/08 4936-4947'

02/21/08 4481-4491'

02/21/08 4018-4032'

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (304.16') DEPTH LANDED: 316,01' KB HOLE SIZE: 12-1/4" CEMENT DATA:1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 134 jts. (5745.08') DEPTH LANDED: 5758.33' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. CEMENT TOP: 84'

TUBING

SUCKER RODS

STROKE LENGTH: 102" PUMP SPEED, 4.5 SPM:

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 182 jts (5610.75') TUBING ANCHOR: 5610.75' KB NO. OF JOINTS: 2 jts (62.42') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5675.97' KB NO. OF JOINTS: 2 jts (61.58') TOTAL STRING LENGTH: EOT @ 5739.10' KB

POLISHED ROD: 1-1/2" x 26' SM polished rods

3/4" plain rods, 20-3/4" scrapered rods, 6-1 1/2" weight rods. PUMP SIZE: CDI 2-1/2" x 1-1/2" x 10x 14' 'RHAC

SUCKER RODS: 1-2', & 1-6' x 3/2"" pony rods, 100-3/4" scrapered rods, 100-

			4018-4032'	
Ĩ		181	4481-4491'	
ł			4893-4900'	
			4936-4947'	
Ī.			5062-5068'	
j			Anchor @ 561	1
Í			5350-5360'	
			EOT @ 5739' PBTD @ 5705'	
			SHOE @ 5758'	
/		N	TD @ 6775'	

02/21/08	5350-5360'	4 JSPF	40 holes
02/21/08	5062-5068'	4 JSPF	24 holes
02/21/08	4936-4947'	4 JSPF	44 holes
02/21/08	4893-4900'	4 JSPF	28 holes
02/23/08	4481-4491'	4 JSPF	40 holes
02/23/08	4018-4032'	4 JSPF	56 holes

PERFORATION RECORD

NEWFIELD

SN 5676'

FEDERAL 4-24-9-16 462' FNL & 679' FWL NW/NW Section 24-T9S-R16E Duchesne Co, Utah

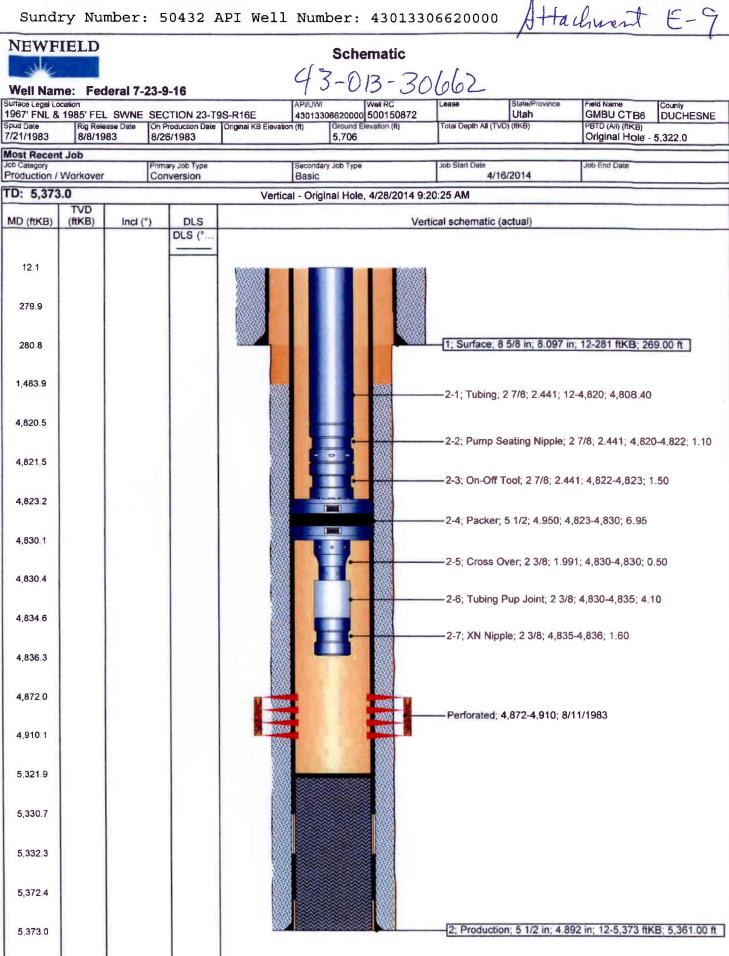
SUM

API #43-013-33004; Lease # UTU-15855

Attachment E-8

CL 5403 KB: 5617 Injection Wellbore Diagram FRACE CASING CS0 3728: 4-347 SC0 3728 SC0	Spud Date: 10-13-07	reucial	3-24-9-16		Initial	Production: 56.4 BOPD,
Diagram PRACE CASING CORR VIEW STATE TOC 6 107 CORR VIEW STATE TOC 6 107 DIAGRAM	Put on Production: 11-21-07	.				
EURPLACE CASING FPE LOC and an efform BRADE J-53 TOC (6) 107 BRADE J-107 TOC	GL: 5605' KB: 5617'	•			25.0 M	ICFD, 34.3 BWPD
Cold REE: 4-50" Cold REE: 4-50" RECORT: 264 RECORT: 264 RECORD: Cold REE: 265 RECORD: Cold REE: 26	SURFACE CASING			FRAC JOE	1 .	
BLADE: 3-55 TOC @ 10* UPUGHT: 24 11-14-77 PERTICADED: 10* Casing the @ 30* II-14-77 4784-497 PR-A Table 5: Elefter: 0.79 Add the dift optic UPUGHT: 24 PERCIDATION CASING EXEMPTICADE: 10* II-14-77 EXEMPTICADE: 10* II-14-77 <	CSG SIZE: 8-5/8"	22 22				Frac LODC stads as follows:
NUMBER 2011 Starting 2011 DEFINIT AND DD: 100 Dire of the starting 2011<	GRADE: J-55 TO	C@ 105'				15,380# 20/40 sand in 274 bbls Ligh
DEPTH LANDED 320* Coning Shoe (8 30* IL-L4-7 4920-493* PrevA Linead to Telemer: 70:397-2004 and Levol Market 70:397-2004 and Levol Market 70:397-2004 and Levol Market 70:307-2004 and And And And 70:307-2004 and And	WEIGHT: 24#					ISUP 2956 pai. Calc flush: 5025 gal.
Chang Society 3:00 Comp Society 3:00	LENGTH: 7 jts. (311')					• -
Didd Start Durk-160 as Clast '07 cat If Add. There is 2002, pill 62, 375 PRODUCTION CASING IL-16-67 4504.4647 IL-16-67 4504.4647 There C and/or as following: The Add. There is 700 DIGD START Digd Start Start The C and/or as following: The Add. There is 700 DIGD START Digd Start Start The C and/or as following: The Add. There is 700 DIGD START Digd Start Start The C and/or as following: The Add. There is 700 DIGD START Digd Start Start The C and/or as following: The Add. There is 700 DIGD START Digd Start Start The C and/or as following: The Add. There is 700 DIGD START Digd Start Start The C and/or add. Add. There is 700 DIGD START Digd Start Start The C and/or add. Add. There is 700 DIGD START Digd Start Start The Digd Start There is 800 and the Add. There is 700 DIGD START Digd Start Start Digd Start Start There is 800 and the Add. There is 700 DIGD START Digd Start Start Digd Start Start Digd Start Start DIGD Start Start Digd Start Start Digd Start Start Digd Start Start DIGD Start Start Digd Start Start Digd Start Start	-	hoe @ 320'		11-16-07	4920-4938'	Frac A1 sands as follows: 90,793# 20/40 sand in 690 bbls Ligh
PRODUCTION CASING Proc Class is fidene: The out 0/3/0/8 Z/0/9						17 fluid. Treat at 2002 psi @ 24,75
PRODUCTION CASING PRODUCTION CASING ESG SIZE: 5-107 CRADE: 1-35 Weights: 1-107 CRADE: 1-35 Weights: 1-35 Weights: 1-35 Weights: 1-35 Weights: 1-35 Weig	CEMENT DATA: 160 sxs Class "G" cmt					
Bit Lipschut 71 Mid. Tree 119 CODUCTION CASING Get 24 Mid. Street 757 COS 3028: 1-07 Get 24 Mid. Street 753 COS 3028: 1-07 Get 24 Mid. Street 754 Street 754 Get 755 Street 754 Get 755 Street 755 Get 755 Street 755				11-16-07	4634-4646'	
@ 34 BPX LST 157 pi. C.4. BODUCTION CASING (B 200 UCTION CASING (D 200 UCTION CASING <td></td> <td>400200</td> <td>3</td> <td></td> <td></td> <td></td>		400200	3			
PRODUCTION CASING Proc D3 mate at haloma: CSG SERI-1-1/2" RADE: 1-53 MERDE: 1-53 WEIGHT:: 15.5% MEIGHT:: 15.5% Proc D1 mate at haloma: 25:0% LI-16-17 3955-600° Proc CID: action at haloma: 25:0% Proc CID: action at haloma: 25:0% LI-16-17 3955-600° Proc CID: action at haloma: 25:0% Proc CID: action at haloma: 25:0% LI-16-17 3955-600° Proc CID: action at haloma: 25:0% Proc CID: action at haloma: 25:0% LI-16-17 3955-600° Proc CID: action at haloma: 25:0% Proc CID: action at haloma: 25:0% LI-16-17 3955-600° Proc CID: action at haloma: 25:0% Proc CID: action at haloma: 25:0% DEPTH LANDED: 574.72° Proc CID: action at haloma: 25:0% EXEMPTO FAT: 105 Male: Verteret': Update into 40: action at haloma: 25:0% STUGBING Competition at haloma: 25:0% TUBING Tobale part. Liphane: 17: fraid. STUCEACHART: 2-7/8** Proc D1 # BEI mater at haloma: 25:0% STUCEACHART: 2-7/8** Proc D1 # BEI mater at haloma: 25:0% STUCEACHART: 2-7/8** Proc D1 # BEI mater at haloma: 25:0% STUCEACHART: 2-7/8***						@ 24.8 BPM. ISIP 1897 psi, Calc
PRODUCTION CASING Prevent 14,1588 20/07 and 1 a 20 ORADE:: 35 Weight:: 155 DENOTI:: 156 II.16-77 DENOTI:: 157 II.16-77 DENOTI:: 17.70 II.16-77				11-16-07	4544-5441'	
DRADE: 1/5 G 2/5 / BFA/SUP: 1/5 / Junches Shoe /L (39.25) MEDIT: 15.5 // ELEWTH: 161 // Junches Shoe /L (39.25) Hill - 16 / FA/SUP: 1/5 / Junches Shoe /L (39.25) DER JEFT 16 // Junches Shoe /L (39.25) DER JEFT 16 / SUP / SUP / Junches Shoe /L (39.25) DER JEFT 16 // SUP / SUP //		-86, P				Frac with 14,138# 20/40 sand in 261
DAULE - 323 Sec. 453 (2) LENGTH: 153 // File: 454 (2) DENS SIZE: 7-2* File: 453 (2) DENT LANDED - 574.72* G 2.4 (143) Life: 10 (17) Life: 1						
LENGTH: 148 ps. (5741.47) lockeds Size JA. (39.25') File Vectors 255.72' IDGE 2522: 7:76'' File Vectors 255.72' IDEMED 255.72'' File Vectors 255.72'' IDEMED 255.72'' File Vectors 255.72'' <td></td> <td></td> <td></td> <td></td> <td></td> <td>flush: 4542 gal. Actual flush: 3952</td>						flush: 4542 gal. Actual flush: 3952
NOLE SIZE: : 7/8" Web Lightning 17 hild: Treat 172 (#2.4.8 PWL ANDED: 554.72" DEPTH LANDED: 554.72" Balan Xinta Math. 4002. Balan Xinta Math. 4002. EBMENT TOP AT: 105" TUBING Tableg Math. Updated red & to balan detail. 50/2019 Tableg Math. Updated red & to balan detail. 50/2019 Tableg Math. Updated red & to balan detail. 50/2011 Tableg Math. Updated red & to balan detail. 50/2011 Tableg Math. Updated red & to balan detail. 50/2012 Tableg Math. Updated red & to balan detail. 50/2013 Carvertin Injection Weil 2007/12 (2007) SIN (D PDP 2.34 J.55 AT: 3949.9" (NO NPELEC 2.35 J.55 AT: 3949.9" (NO NE AT SET 2.35 AT: 3949.9" (NO N				11-16-07	3995-4006'	
BEPTH LANDED: 574.72' Bit: 3792 EMARK TD ATA: 300 # Frem, Lite II mixed & 400 sex 50/50 FOZ. Bit: 3792 EMENT DATA: 300 # Frem, Lite II mixed & 400 sex 50/50 FOZ. 74609 Majer: Viortaver: Updated ond & n data. SV25019 Tubing Emit. Updated rod & hubing data. 69/2011 Tubing Emit. Updated rod & hubing data. 69/2011 SV25019 Tubing Emit. Updated rod & hubing data. SV25019 SV25019 SV25019 Tubing Emit. Updated rod & hubing data. SV25019 <td></td> <td>2.0</td> <td></td> <td></td> <td></td> <td>bbis Lightning 17 fluid. Treat at 172</td>		2.0				bbis Lightning 17 fluid. Treat at 172
EBMENT DATA: 300 ak Press, Late II mixed & 400 set 50/50 POZ. 7609 Major Vorture: Updated rod & to deal to bin deal. EBMENT TOP AT: 105' 54/2010 Tableg lask. Updated rod & to bin deal. SV2/020402/07: 2:7/8"/L55 / 6:5# 7609 Major Vorture: Updated rod & to bin deal. SV2/020402/07: 2:7/8"/L55 / 6:5# 100/017: 125 js (397.11) 100/017: 125 js (397.11) SU2/020402/07: 2:7/8"/L55 / 6:5# 100/017: 125 js (397.11) 100/017: 125 js (397.11) SU2/020402/07: 2:7/8"/L55 / 6:5# 100/017: 125 js (397.11) 100/017: 125 js (397.11) SU2/020402/07: 2:7/8"/L55 / 6:5# 100/017: 125 js (397.11) 100/017: 125 js (397.11) SU2/020402/07: 2:7/8"/L55 / 6:5# 100/017: 125 js (397.11) Cenverties MTF Plasticed - update deal. SN @ 3939' On off Tool(@ 3900'' Parket 394.1' No off Tool(@ 3900'' SN @ 3939' On off Tool(@ 3900'' Parket 394.1' NN oppie @ 355'' SN @ 3939' On off Tool(@ 3900'' 4374-4381' 4374-4381' SN @ 3939' On off Tool(@ 3900'' 4387-4384' 357F'' SN @ 3939' On off Tool(@ 3900'' 4384-4351'' FEREORATION RECORD 4024-4931' 4374-438	DEPTH LANDED: 5754.72'					
EBAGENT TOP AT: 105' 5472010 Tableg task. Updated rod and table data. TUBING Tobleg task. Updated rod at lubing data. 6972011 Tobleg task. Updated rod at lubing data. STEP/GRADEWT: 2:7/8"/L55 / 6.5# With 200227 (2) Prace 10 & 20527 (2) Prace 10 & 20527 (2) STEP/GRADEWT: 2:7/8"/L55 / 6.5# With 200227 (2) Convert to fajediced with a 542 (2002) With 200227 (2) STEP/GRADEWT: 2:7/8"/L55 / 1: 598.0 '/ Convert to fajediced with a 542 (2002) Convert to fajediced with a 542 (2002) SN (# 3959.1' KR DWOPT TOOLAT: 3940.2' Convert to fajediced with a 542 (2002) Convert to fajediced with a 542 (2002) SN (# 3959.1' KR DWOPT TOOLAT: 3940.2' Convert to fajediced - update detail With Name a 3955' SN (# 3959.1' KR DWOPT TOOLAT: 3940.2' SN (# 3959.1' Convert to fajediced - update detail SN (# 3959.1' KR DWOPT TOOLAT: 3940.2' SN (# 3959.1' Convert to fajediced - update detail SN (# 3959.1' KR DWOPT TOOLAT: 3940.2' SN (# 3959.1' SN (# 3959.1' SN (# 3959.1' KR DWOPT TO (2) SN (# 3959.1' SN (# 3959.1') SN (# 3959.1' KR DWOPT TO (2) SN (# 3959.1') SN (# 3959	CEMENT DATA: 300 sk Prem, Lite II mixed & 400 sxs 50/50 POZ.			7/6/09		
TUBINO 69/2011 Tableg sub. Updated rod & tubing data SIZE/ORADEWT: 2:78"/155 / 6.58 1000/12 4378-4493 Price Di & Dist and a fatterr: Free with 29/22/2040 and is 2020 Ubd and is 2	CEMENT TOP AT: 105'			5/4/2010		Tubing leak, Updated rod and tubin
Description Proc. void 39232 2040 cond is 352 WE/PORADE/WT: 2-7/8"/1-55/6.5# Bit Lipting: 17 Bid. NO. OF KORTS: 125 is (3927.1') 100 PP/12 SRATINO MIPLE: 2-7/8"/1-55/6.5# Convert is Lajocation Wolf SNA Control Art: 3940.2* Convert is Lajocation Wolf SNA COPF TOOL AT: 3940.2* Converties MIT Finaticed - update detail SNA COPF TOOL AT: 3940.2* SNA (0.378.1: 3948.9*) CONVERT COLL Tool (0.3990') Peck will a SACE 394.4* X/N Nipple (0.3956') CONVERT COLL SNA (0.378.1: 3949.9*) CONVERT: EDT (0.3958.1') 3955-4006' FOTAL STRING LENGTH: EDT (0.3958') 3955-4006' SNA 44451' 4422-4493' 4492-4493' 4492-4493' 4492-4932' 100 4/2 4378-4380' 4492-4932' 100 4/2 4378-4380' 4920-4938' 100 4/2 4378-4380' 5027-5035' 3 SIFF 4 blue 4920-4938' 100 4/2 4378-4380' 5027-5035' 3 SIFF 5 blue 5027-5035' 3 SIFF 6 blue 90104/2 4378-4380' 3 SIFF 5 blue 5027-5035'				6/9/2011		Tubing leak. Updated rod & tubing
NO. OF JOINTS: 125 ja (3927.1') SEATINO NIPPLE: 27/8' (1,10') SN LANDED AT: 3939.1' KB NO/OFT TOOL AT: 3940.2' ARROW #I PACKER CE AT: 3944.00' KO 2-3/8 J-55 AT: 3940.9' KON INPEL AT: 3954.1' TOTAL STRING LENGTH: EOT @ 3958' IOTAL STRING LENGTH: EOT @ 3958'	TUBING			10/ 05 /12	4378-4493'	
SEATING NIPPLE 2-78" (1.10') 1972/12 Conversion MTT Finalized - update detail DNORF TOOL AT: 3930,2' SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3750') SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3930') Conversion MTT Finalized - update detail SN (@ 3936') Conversion MTT Finalized - update detail SN (@ 3936') Conversion MTT Finalized - update detail SN (@ 3936') Conversion MTT Finalized - update detail SN (@ 3936') Conversion MTT Finalized - update detail SN (@ 3936') Conversion MTT Finalized - update detail SN (@ 3936') Conversion MTT Finalized - update detail SN (@ 3936') Good' (% STF (% ST)) SN (@ 4936') STF (% ST) MTT Finalized - update detail SO (% ST) SN (@ 4936')				1000000		· •
SN LANDED AT: 3939.1' KB SN (@ 3939') DNOFT TOOL AT: 3940.2' SN (@ 3939') ARROW #I PACKER CE AT: 3940.2' SN (@ 3593') OC 0ff Tool (@ 3940') Pecker 3944' X/N Nipple @ 3956' BOT @ 3956' FIBO PUP 2-3/8 1-55 AT: 3949.9' SN (@ 1999') VIN NIPPLE AT: 3956.1' 3955-4006' YOTAL STRING LENGTH: BOT @ 3958' 4387-4388' 4492.4493' 4482.4493' 4544-4551' 418PF 74 bulks 4024-4933' 4544-4551' 4387-4388' 4492.4493' 4544-4551' 418PF 72 bulks 902-4038' 1004/12 4372-4380' 3 JSFF 3 bulks 902-4038' 1004/12 4372-4380' 3 JSFF 3 bulks 902-4038' 1004/12 4372-4380' 3 JSFF 3 bulks 902-7503' 1004/12 4372-4380' 3 JSFF 3 bulks 902'' 5027-5035' 1004/12 4372-4380' 3 JSFF 3 bulks 902'' 903''' 1004/12 4372-4380' 3 JSFF 3 bulks 903'' 903'''' 1004/12 4372-4380' 3 JSFF 3 bulks 903''' 1004/12 4372-4380' 3 JSFF 3 bulks 1004/12 4372-4380' 3 JSFF 3 bulks 903'''' 903''''''''''''''''''''''''''''''''''''						•
DNOFF TOOL AT: 3940.2' RROW 4II PACKER CE AT: 3944.00' NO 2-3/8 x 2-7/8 J-55 AT: 3946.9' IBO PUP 2-3/8 J-55 AT: 3946.9' INO NIPPLE LTD Federal 3-24-9-16 722' FNL & 2063' FWLL NEW PTEELD PBTD @ 5620' SHOE @ 3755' TD @ 3775'				1412		
NEWFIELD Peterai3-24-9-16 VEX.VIE. & 2063' FWLL Petro 2435' Content			SN @ 3939'			
X0 2-38 x 2-78 L55 AT: 3949.9' KNN NIPPLE AT: 3956.1' XNN NIPPLE AT: 3956.1' XIN NIPPLE AT: 3956.1' 3955-4006' 4378-4380' 4387-4385' 4492-4493' 4492-4493' 4544-4551' 995-4006' 4544-4551' 995-4006' 4544-4551' 995-4006' 4544-4551' 4544-455' 4544-455' 4544-455' 4544-455' 4544-455' 4544-455' 4544-455' 4544-455' 4587 4584-455' 4587 4587 4584-455' 1004/12 4587 4587 4587 4587 4587 4587 4587 4587 4587 4587 4587 1004/12 4587 4587 4587 4587 4587 </td <td>ARROW #I PACKER CE AT: 3944.09</td> <td></td> <td></td> <td>ĝ 3940'</td> <td></td> <td></td>	ARROW #I PACKER CE AT: 3944.09			ĝ 3940'		
CN NIPPLE AT: 3956.1' YOTAL STRING LENGTH: EOT @ 3958' 4378-4380' 4387-4388' 4492-4493' 4544-4551' 995-4006' 4387-4388' 4492-4493' 4634-4646' 3955-7005' 995-4006' 4387-4388' 4492-4493' 4634-4646' 992-4005' 920-4938' 1004/12 4387-4388' 920-4938' 1004/12 4387-4388' 920-4938' 1004/12 4387-4388' 920-4938' 1004/12 4387-4388' 920-4938' 1004/12 4387-4388' 920-5035' 920-4938' 1004/12 4387-4388'' 920-4938'' 1004/12 4387-4388'' 920-4938'' 1004/12 4387-816E	XO 2-3/8 x 2-7/8 J-55 AT: 3948,9'		Packer 3944'			
CAN NIPPLE AT: 3956.1' TOTAL STRING LENGTH: EOT @ 3958' 4378-4380' 4387-4388' 4492-4493' 4544-4551' 995-4006' 4544-4551' 995-4006' 4544-4551' 995-4006' 4544-4551' 995-4006' 4544-4551' 995-4006' 4544-4551' 4544-4551' 995-4006' 4547 4547 4547 4517 4547 5027-5035' 1	TBG PUP 2-3/8 J-55 AT: 3949.9'					
MEWFIELD Federal 3-24-9-16 722' FNL & 2063' FWL NEW Section 24-T9S-R16E	X/N NIPPLE AT: 3956.1'	1				
4387-4388' 4492-4493' 4544-4551' 4544-4551' 4634-4646' 3995-4006' 4387-4388' 4492-4493' 4634-4646' 3995-4006' 4387-4388' 4634-4646' 3995-4006' 4387-4388' 4634-4646' 3995-4006' 4387-4388' 4634-4646' 4387-4388' 4920-4938' 1004/12 4387-4388' 3185PF 4920-4938' 1004/12 4387-4388' 3185PF 4920-4938' 1004/12 4387-4388' 3185PF 6 bd 5027-5035' 1004/12 4387-4388' 3185PF 6 bd 920-4938' 1004/12 4387-4388' 5027-5035' 1004/12 4387-4388' 5027-5035' 1004/12 4378-4380'	TOTAL STRING LENGTH: EOT @ 3958'		- 3955-4006			
4387-4388' 4492-4493' 4544-4551' 4544-4551' 4634-4646' 3995-4006' 4387-4388' 4492-4493' 4634-4646' 3995-4006' 4387-4388' 4634-4646' 3995-4006' 4387-4388' 4634-4646' 3995-4006' 4387-4388' 4634-4646' 4387-4388' 4920-4938' 1004/12 4387-4388' 3185PF 4920-4938' 1004/12 4387-4388' 3185PF 4920-4938' 1004/12 4387-4388' 3185PF 6 bd 5027-5035' 1004/12 4387-4388' 3185PF 6 bd 920-4938' 1004/12 4387-4388' 5027-5035' 1004/12 4387-4388' 5027-5035' 1004/12 4378-4380'		Ц	Ц			
Hereine		百	Π			
NEWFIELD PBTD @ 5620' SU27-5035' JSPF 48 Federal 3-24-9-16 722' FNL & 2063' FWL NEW Section 24-TPS-R16E Su275'		百	F1			
NEWFIELD Federal 3-24-9-16 722' FNL & 2063' FWL NEWW Section 24-T9S-R16E		F	4492-4493	,		
NEWFIELD Federal 3-24-9-16 722' FNL & 2063' FWL NEWW Section 24-T9S-R16E		「「「」	4544-4551	,	PE	RFORATION RECORD
4634-4646' 4 ISPF 48 holes 4920-4938' 4 JSPF 72 holes 5027-5035' 4 JSPF 3 LBP 4920-4938' 10/04/12 4432-4493' 3 LSPF 5027-5035' 10/04/12 4387-4388' 3 LSPF 3 holes 5027-5035' 10/04/12 4387-4388' 3 LSPF 3 holes 5027-5035' 10/04/12 4378-4380' 3 LSPF 3 holes 5027-5035' 10/04/12 4378-4380' 3 LSPF 6 holes Federal 3-24-9-16 722' FNL & 2063' FWL NENW Section 24-T9S-R16E TD @ 5775'		料	4634-4646	•		
NEWFIELD 920-4938' 10/04/12 492-4493 3 LSPF 3 Lsp Federal 3-24-9-16 722' FNL & 2063' FWL NEW Section 24-T9S-R16E 5027-5035' 10/04/12 4378-4380' 3 LSPF 6 Lsp		11	11			
NEWFIELD PBTD @ 5620' Federal 3-24-9-16 31SPF 722' FNL & 2063' FWL NENW Section 24-T9S-R16E			11			
NEWFIELD Federal 3-24-9-16 722' FNL & 2063' FWL NENW Section 24-T9S-R16E		有	4920-4938	,		10/04/12 4492-4493' 3 JSPF 3 hc
NEWFIELD Federal 3-24-9-16 722' FNL & 2063' FWL NENW Section 24-T9S-R16E		뷕	5027-5035	i 1		
Federal 3-24-9-16 TD @ 5775' 722' FNL & 2063' FWL TD @ 5775' NENW Section 24-T9S-R16E TD @ 5775'		П				
Federal 3-24-9-16 TD @ 5775' 722' FNL & 2063' FWL TD @ 5775' NENW Section 24-T9S-R16E TD @ 5775'						
Federal 3-24-9-16 TD @ 5775' 722' FNL & 2063' FWL TD @ 5775' NENW Section 24-T9S-R16E TD @ 5775'						
Federal 3-24-9-16 TD @ 5775' 722' FNL & 2063' FWL TD @ 5775' NENW Section 24-T9S-R16E TD @ 5775'	······································					
Federal 3-24-9-16 SHOE @ 5755' 722' FNL & 2063' FWL TD @ 5775' NENW Section 24-T9S-R16E TD @ 5775'	NEWFIELD		PBTD @ 562	0'		
Federal 3-24-9-16 TD @ 3775' 722' FNL & 2063' FWL NENW Section 24-T9S-R16E		1	Market and Annual An			
722' FNL & 2063' FWL NENW Section 24-T9S-R16E	Federal 3-24-9-16					
NENW Section 24-T9S-R16E						
	NENW Section 24-T9S-R16E					
	PI #43-013-33084; Lease #UTU-15855					

LCN 10/18/12



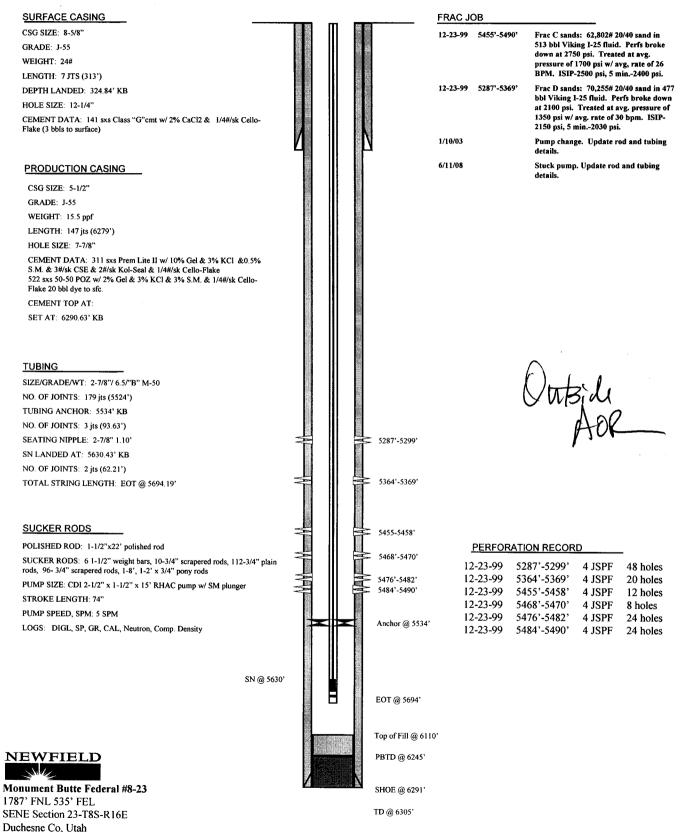
Attachment E10

Monument Butte Federal #8-23-8-16

Spud Date: 11/28/00 Put on Production: 12/31/99 GL: 5393.6' KB: 5403.6'

API #43-013-32101; Lease #UTU-76560

Wellbore Diagram



Attachment E-11

Spud Date: 09/21/81 Put on Production: 11/07/81 GL: 5663' KB: '

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: jts (294 ') DEPTH LANDED: 294' KB HOLE SIZE: 12-1/4" CEMENT DATA:

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: ? jts (') DEPTH LANDED: 6019 ' HOLE SIZE: 7-7/8" CEMENT DATA: CEMENT TOP AT: 2870'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 126 jts (3842.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 3854.4' KB ON/OFF TOOL AT: 3855.5' ARROW #1 PACKER CE AT: 3861.3' XO 2-3/8 x 2-7/8 J-55 AT: 3864.3' TBG PUP 2-3/8 J-55 AT: 3864.8' X/N NIPPLE AT: 3869' TOTAL STRING LENGTH: EOT @ 3871'



Castle Peak Federal 12-24-9-16 749 FWL 1982 FNL SWNW Section 24-T9S-R16E Duchesne Co, Utah API #43-013-30588; Lease #U-15855

Castle Peak Federal 12-24-9-16

Injection Wellbore

Diagrar	n	
	FRAC JOB	
	9-21-81	Spud Well
<u> </u>	10-24-81	Perf: 5,736'-5,835'
	10-30-82	Frac BGR zone as follows: Totals 3,000 gal, 2,000# sd Avg TP 2,300 ISIP 1,580, after 5 min 1,450
C	11-3-81	Perf: 5,324'-5,340', 5,314'-5,319' Frac CP-1 zone as follows: Totals 26,500 gal, 40,000# 20/40 sd 9,000# 10/20 sd ISIP 2,160, sfter 5 min 2,120
Cement top @ 2870'	9-29-82	Perf: 4,607'-4,609', 4,612'-4,618'
	9-30-82	Frac C-SD zone as follows: Totals 35,500 gal, 85,000# 20/40 sd Max TP 2,800 @ 30 BPM Avg TP 2,400 @ 30 BPM ISIP 2,000, after 5 min 1,750
	10-5-82	Perf: 3,923'-3,931', 3,941'-3,948'
	10-6-82	Frac GB-6 zone as follows: Totals 35,500 gal, 85,000# 20/40 sd Max TP 2,400 @ 30 BPM Avg TP 1,900 @ 30 BPM ISIP 1,700, after 5 min 1,575
	5/11/2009	Re-Completion
	5/11/2009 5314-5340' SN @ 3854'	Frac stg#1 CP1 sds as follows: 80,105# 20/40 sand in 740 bbls of Lightning 17 fluid. Treated @ ave pressure of 3498 w/ ave rate of 17 bpm w/ 6 ppg sand. ISIP was 2198 w/.85FG. 5 minutes
	On Off Tool @ 3855'	was 2145. 10 min was 2135 15 min was 2126 (10 psi on casing).
	Packer @ 3861' 5/11/2009 4880-4929'	Frac A sds as follows: 50,237# 20/40 sand in 488
	X/N Nipple @ 3869' EOT @ 3871'	bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4470 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 1946 w/ 83FG. 5 minutes was 1919. 10 min was 1807. 15 min was 1734 (0 psi
「「「「」」	3923-3931 [°]	on casing).
₩	3941-3948' 5/11/2009 4736-4740'	Frac B1 sds as follows: 16,144# 20/40 sand in 208 bbls of Lightning, 17 frac fluid. Treated @ ave pressure of 4147 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 2014 w/ 86FG. 5 minutes was 1646. 10 min was 1607. 15 min was 1586 (0 psi on casing).
	11/21/12	Convert to Injection Well
	11/27/12	Conversion MIT Finalized - update tbg detail
A A A A A A A A A A A A A A A A A A A	4607-4609	
Ţ	4612-4818'	
Ţ	<u>II</u>	
Ī	4736-4740'	
Ŕ	4880-4886'	
	4917-4921'	PERFORATION RECORD
*	4925-4929	5736-5835' JSPF holes 5324-5340' JSPF holes
		5314-5319' JSPF boles
		4612-4618' JSPF holes 4607-4609' JSPF holes
Ц		3941-3948' JSPF holes
Ť	5314-5319'	3923-3931' JSPF holes 4/20/09 5324-5340' 4 JSPF 64 holes
₹ 1	5324-5340'	4/20/09 5314-5319' 4 JSPF 16 holes
		4/20/09 4925-4929' 4 JSPF 16 holes 4/20/09 4917-4921' 4 JSPF 16 holes
		4/20/09 4880-4886' 4 JSPF 16 holes
		4/20/09 4736-4740' 4 JSPF 16 holes
	5736-5835'	
	PBTD @ 5977'	
a transmission and a second second	TD @ 6257'	

NEWFIELD		Schematic	;	
-Million -		42.013	30654	
Nell Name: Feder	al 9-23-9-16	API/UWI Well RC	Lease State/Province	Field Name County
3-9S-16E Ind Date Rig Release	Date On Production Date Original K	43013306540000 500151 B Elevation (ft) Ground Elevation (ft)	587 Utah	GMBU CTB6 DUCHESNE
10/1983 3/23/1983		5,663		Original Hole - 5,360.0
ost Recent Job b Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
roduction / Workover	Conversion	Basic	8/22/2014	8/26/2014
D: 5,413.0		Vertical - Original Hole, 8/27/20	14 9:10:45 AM	
AD (ftKB) (ftKB)	Incl (°) DLS DLS (°		Vertical schematic (actual)	
12.1	DL3 (
269.0				
270.0			1; Surface; 8 5/8 in; 8.097 i	n; 12-270 ftKB; 258.00 ft
284.1	<u> </u>			
3,314.0		9000 9000	6-1; Tubing; 2 7/8; 2 441; 1	2-3,838; 3,826.35
3,838.3			6 1: Dump Cooting Nipples	2 7/0, 2 020 2 020 4 40
3,839.6			6-2; Pump Seating Nipple;	
3,840.9	-		6-3; On-Off Tool; 2 7/8; 3,8	
3,847.8				
3,848.4				
3,852.4			6-6; Tubing Pup Joint; 2 3/8	
3,853.7			6-7; XN Nipple; 2 3/8; 3,853	
3,854,0			6-8; Wireline Guide; 2 3/8;	3,854-3,854; 0.50
3,878,0			Perforated; 3,878-3,880; 8/	12/2012
3,879.9		1000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1	Penolaled, 5,676-5,660, 67	12/2013
3,950 1			Perforated; 3,950-3,951; 8/	12/2013
3,951.1			, . ,	
3,955,1		2000		12/2013
3,958.0				
4,485.9			Perforated; 4,486-4,490; 8/	12/2013
4,490.2			, analaca, 4,400 4,400, a	
4,613.8			Perforated; 4,614-4,618; 8/	12/2013
4,618.1				
4,808.1		199000 A40300 199000	Perforated; 4,808-4,821; 4/	2/1983
4,820.9			1	
5,277_9		10000 1000000	Perforated; 5,278-5,280; 8/	12/2013
5,279_9				
5,321.9			Perforated; 5,322-5,324; 8/	12/2013
5,324.1				
5,359.9				
5,360.6				
5,404.2				
5,404.9			2; Production; 5 1/2 in; 4.8	92 in; 12-5,405 ftKB; 5,393.00 ft

Report Printed: 8/27/2014

NEWF	ELD				Schematic				
- Suble			40	43	3-013-5	1682			
Surface Legal LC		BU C-23-9	10	APIUWI	Well RC	Lease	State/Province	Field Name GMBU CTB6	County
23-9S-16E				Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth Atl (TVD)		PBTD (All) (ftKB) Original Hole -	A
lost Recen	6/20/2	013 7/13	2/2013	5,759	5,746			Chighnan (10)e -	0,095.1
ob Category Production /	and the second		iry Job Type er	Secondar N/A	у Јор Туре	Job Start Date 9/17/2	014	Job End Date 9/22	2/2014
D: 6,147		1993		Slant - Origina	al Hole, 10/1/2014 12:20	:47 PM	1.1.1	Charles -	V-In III
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	lar - The second state	Vertic	cal schematic (ac	tual)	A Catholan	Here and
			DLS (° 0 3			1 MIRANIC HURS		No. of Concession, Name and Address of Address of Street of Street of Street of Street of Street of Street of St	
13.1	13.1	0.0							
29.9	29.9	0.1							
36.1	36 1	0.1							
49_9	49.9	0.1							
303.1	303.1	0.7				-1; Surface; 8 5/	8 in; 8.097 in;	13-303 ftKB; 29	10.10 ft
1,799.9	1,782,0	16.1	-			-3-2; Tubing; 2 3	7/8; 2.441; 14-	5,621; 5,606.60	
4,155.8	4,034.5	15.8	/	55684 - 20246 -	NAS20 X6220	-Perforated; 4,1	55-4,156; 7/1/:	2013	
4,165.0	4,043.4	15.8	$ \rangle$	3500a 6505a	1905) 1955)	-Perforated; 4,1	63-4,165; 7/1/	2013	
4,170.9	4,049.1	15.7		1000com	20050	-Perforated; 4,1	70-4,171; 7/1/	2013	
4,211.9	4,088.6	15.3			19235	-Perforated; 4,2	10-4,212; 7/1/	2013	
4,214.9	4,091.4	15.3		223253	807028	-Perforated; 4,2	14-4,215; 7/1/	2013	
4,227.0	4,103.1	15.5		199000	19935 19936	-Perforated; 4,2	25-4,227; 7/1/	2013	
4,248.0	4,123.4	15.7		55050 65650	0225	-Perforated; 4,2	46-4,248; 7/1/	2013	
4,713,9	4,572.3	16.2	7	10000	20202	-Perforated; 4,7	13-4,714; 7/1/	2013	
4,717.8	4,576.0	16.2		95656	AND SS	-Perforated; 4,7	16-4,718; 7/1/	2013	
				000000 000000	620059	-Perforated; 4,7	22-4,723; 7/1/	2013	
4,723.1	4,581.1	16.3		22220	165265 155556	-Perforated; 4,7	29-4 730 [,] 7/1/	2013	
4,730.0	4,587.7	16.3		1990an 1997aa	- 06034 	-Perforated; 4,7			
4,734.9	4,592.4	16.2		358663	22000	-Perforated; 4,8			
4,807.1	4,661.8	15.8	}			-renorated, 4,0	03-4,007, 7747	2013	
5,094.2	4,937.7	15.8	2	NODER STORE	5000 6605	-Perforated; 5,0	94-5,097; 7/1/	2013	
5,211.0	5,050.0	15.9		12222	20050	-Perforated; 5,2	11-5,213; 7/1/	2013	
5,214.9	5,053.8	15.9		389682 268283	- 5403k	-Perforated; 5,2	15-5,218; 7/1/	2013	
5,620.4	5,445.5	15.4	X					,621-5,623; 2.80	
5,632.9	5,457.5	15.6				Perforated; 5,6	33-5,639; 7/1/	2013	
5,649.9	5,473.9	15.8				- 3-4; Tubing; 2	7/8; 2.441; 5,6	23-5,655; 31,40	
5,655.8	5,479.6	15.9				- 3-5; Pump Sea	ting Nipple; 2	7/8; 5,655-5,656	5; 1 <i>.</i> 10
5,718.5	5,539.7	16.4				- 3-6; Tubing; 2	7/8; 2.441; 5,6	56-5,719; 62.80	
			5			- 3-7; Notched c	ollar; 2 7/8; 5,	719-5,719; 0.50	
6,095.1	5,901 9	13.2			I I I I I I I I I I I I I I I I I I I				
6,140.7	5,946.3	13.2				2; Production;	5 1/2 in; 4.950	in; 13-6,142 ftK	B; 6,128.51 ft
6,147.0	5,952.3	13.2			A 490.9				
www.newfi	eld.com				Page 1/1	D		Report Pri	nted: 10/1/20

NEWF	IELD					Schematic				
		IBU D-24-9	-16		4		52283			
Inface Legal Lo ESW 769 F		WL Sec 13 T	9S R16E Me	er SLB	API/UWI 43013522	Well RC 2830000 50036079	2 UTU64805	State/Province Utah	Field Name GMBU CTB5	Duchesne
oud Date /20/2014	Rig Rele 2/3/20		Production Date	Original KB Elevation 5,595	n (ft)	Ground Elevation (ft) 5,582	Total Depth All (TV Original Hole		PBTD (All) (ftKB) Original Hole -	5 970 1
ost Recent				0,000		0,002	o liginal fiold	0,07012	Toriginal field	0,01011
b Category			ary Job Type	ant	Secondary P&P	Јор Туре	Job Start Date	4/2014	Job End Date	5/2014
D: 6,021		Fia	cture Treatm		1	111-1- 4/0/0014		4/2014	2/20	5/2014
D. 0,021	TVD		1	Siani	- Origina	al Hole, 4/9/2014	2:57:03 PM	-		
MD (ftKB)	(ftKB)	Incl (°)	DLS				Vertical schematic (actual)		
13.1	13.1	0.0	DLS (°		monuna					
	15.1	0.0					— 1-1; Tubing H	Hanger; 7; 2.44	1; 13-14; 0.90	
15.1	18.0						1: Conductor	- 14 in: 12 500	in; 13-18 ftKB; 5.0	0.4
18.0	_	0.0					T, Conductor	, 14 11, 13.500	III, 13-10 IKD, 3.0	
57.4	57.4	0.1								
277.9	277,9	0.6	1 1							
323.5	323.5	0.7					2; Surface; 8	5/8 in; 8.097 i	n; 13-323 ftKB; 31	0.38 ft
1,940,9	1,917.0	14.5					1-2; Tubing;	2 7/8; 2,441; 1	4-5,456; 5,442.21	
3,356.3	3,284,4	14.0								
3,996_1	3,906.1	13.9		1994 1997		- 40203	——— Perforated; 3	8,995-3,996; 2/	18/2014	
4,004.9	3,914_7	14.1		2650 6600	-	123244	Perforated; 4	,004-4,005; 2/	18/2014	
4,011.2	3,920.7	14.2		0500 20200 20200		12000	Perforated; 4	,010-4,011; 2/	18/2014	
4,021.0	3,930.2	14.3		18574	-		Perforated; 4	,020-4,021; 2/	18/2014	
4,029.9	3,938.8	14.4		3060 130au		- ACCES	Perforated; 4	,029-4,030; 2/	18/2014	
4,090.9	3,997,9	14.6				- 22925	Perforated: 4	,090-4,091; 2/	18/2014	
	Contraction 21			93950 69550				,109-4,110; 2/		
4,109.9	4,016.3	14,5		3000		- 6005		1,117-4,118; 2/		
4,118_1	4,024,3	14.4		1020	a	19998		,122-4,123; 2/		
4,123.0	4,029.0	14,3		100			i enorated, -	r, 122- 4 , 123, 2/	10/2014	
4,859.9	4,744.5	13,3		(REC)	-	- 1958		,860-4,861; 2/	18/2014	
4,868.1	4,752.5	13.4		989 5860		- 43952	Perforated; 4	,868-4,869; 2/	18/2014	
4,873,0	4,757.3	13.4		1890 1970		46255	Perforated; 4	,873-4,874; 2/	18/2014	
4,879.9	4,764.0	13.4		-1509 -2004		- HOUSES		,880-4,881; 2/		
5,006,9	4,887.5	13.5		\$\$200 35000	A==	- 2002		5,007-5,008; 2/		
5,013.1	4,893.5	13.6		1593	.			5,007-5,008, 2/ 5,013-5,014; 2/		
5,021.0	4,901.2	13.6		5000 5000		- 17658 - 65526	TALL BELLEVINES A			
5,056,1	4,935,3	13.9		93954 (1954				5,021-5,022; 2/		
5,066.9	4,945 8	14.0		000		10022		5,056-5,057; 2/		
5,076,1	4,954.7	14.0		50000 22000	- 11	- 4005		5,067-5,068; 2/		
				1000a 1000a	-	17555	Perforated; 5	5,076-5,077; 2/	18/2014	
5,083.0	4,961,4	14.0		200			Perforated; 5	5,083-5,084; 2/	18/2014	
5,456.0	5,325,2	12.6			E		1-3; Anchor/	catcher; 4.70;	2,441; 5,456-5,459	; 2.80
5,465.9	5,334.8	12.6						5,474-5,476; 2/		
5,476.0	5,344.7	12.9		5066 (3276					,459-5,491; 32.30	
5,482.9	5,351,4	13.0		220	3	1888 ····	Perforated; 5	5,480-5,483; 2/	14/2014	
5,491.1	5,359 4	13.3							2 7/8; 2.380; 5,491	1-5,492; 1.10
5,556.4	5,422.8	14.1							,492-5,556; 64.03 2.441; 5,556-5,557	0.50
5,970.1	5,826.0	9.5								, 0.50
6,015,4	5,870.7	8.3								
6,021.0	5,876.2	8.2			8	1000	3; Production	n; 5 1/2 in; 4.9	50 in; 13-6,017 ftK	B; 6,003.88 f
	ield.com	0.2		2005						

NEWF	IELD					Schemat	ic				
Well Nam	ne: GM	BU Q-13-	9-16			43-0	13-	52286			
Surface Legal Loo	cation		T9S R16E M	er SI B	API/UWI	2860000 50034		Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County
Spud Date	Rig Rele	ase Date Or		Original KB Elevation		Ground Elevation		Total Depth All (TV	D) (ftKB)	PBTD (All) (ftKB)	1
12/28/2013	1/16/2	014		5,564		5,554		Original Hole	- 5,858.3	Original Hole -	5,949.6
Nost Recent	Job	IPr	mary Job Type		Secondary	Job Type	-	Job Start Date	_	Job End Date	
nitial Comple	etion		acture Treatm	ient	P&P	111 100			1/2014		0/2014
TD: 6,005	.0			Slant	t - Origin	al Hole, 3/7/20	14 7:26:	35 AM			
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	6. 10 × 1	(Verti	ical schematic (actual)	- Star	
-20,7	-20.7	0.0	DLS (° 0 — 4		F	-					
9.2	9,2						n <u>hr -n</u> d m		Hente di meni -	Neurie (le calle dir dir decement	
9.8	9.8	0.0			ang management	winianaumanium	de traduction au	ADDITIONAL			
10.8	10.8							— 1-1; Tubing I	Hanger; 7; 2.44	1; 10-11; 0.90	
11.2	11.2	0.0									
12.1	12.1					Track					
14.1	14,1	0.0						-1; Conductor	; 14 in; 13.500	in; 10-14 ftKB; 4.0	DO ft
15.1	15.1										
21.3	21.3	0.1									
29.2	29,2										
55_1	55,1	0.1									
279.5	279,5										
280.5	280,5	0.7									
325.5	325.4							0.0.0	FIG : 0.007	10.007.0100.01	7.00.0
327.1	327.1	0.8						-2; Surface; 8	5/8 in; 8.097 i	n; 10-327 ftKB; 31	7.02 ft
332.0	332.0	40.4	7				CALCULATION OF THE OWNER OF THE O				
1,904.2	1,881.5 3,406.6	13.4	I					— 1-2; Tubing;	2 7/8; 2.441; 1	1-5,744; 5,733.40	
3,480.3 3,491.5	3,408.8	14.6	7								
4,236.9	4,141.2	14.0	Ŧ								
4,237.9	4,142.2	14.6		2859	.	1000		— Perforated; 4	,237-4,238; 2/	3/2014	
4,243.1	4,147.2			200		·······································					
4,247.0	4,151.0	14.6		100		1388	•	-Perforated; 4	,243-4,247; 2/	3/2014	
5,004.3	4,885.8		Z		III						
5,078.1	4,957,6	13.8				200					
5,084.0	4,963_4		2	200				- Perforated; 5	5,078-5,084; 2/	3/2014	
5,494.1	5,362.5	14.8	×	200		1000		Decferated: 6	404 E 40E. 0	6/2014	
5,495.1	5,363.4					19965		-renorated; 5	5,494-5,495; 2/	0/2014	
5,499.0	5,367.2	14.9		1000				Deeferstert	100 E E04. 0	C/0014	
5,501.0	5,369.1			None None		1888		— Perforated; 5	5,499-5,501; 2/	0/2014	
5,612.9	5,477.3	14.8		2005				- Perforated F	5,613-5,617; 2/	3/2014	
5,617.1	5,481_4					1068		-i enorateu; c	,010-0,017, 2/	5/2014	
5,744.4	5,604.4	14.5	$\langle \rangle$	~~~~~				-1-3: Anchor/	catcher: 4 1/2	2.441; 5,744-5,74	7.280
5,747.0	5,607.0							,			., 2.00
5,754.3	5,613.9	14.7						—1-4; Tubing;	2 7/8; 2.441; 5	,747-5,778; 31.15	
5,778.2	5,637_1							-1-5 Pumn S	eating Ninnle	2 7/8; 2.310; 5,778	8-5 779 1 10
5,779.2	5,638_1	14.8						, i unp 0	- and ruppid,	_ //0, 2,010, 0,770	,,,,,,,,,,,
5,793.0	5,651.4	14.0				1000		-Perforated; 5	5,793-5,797; 1/	31/2014	
5,796.9	5,655,2	14.6		888		60840				,779-5,842; 62.80	
5,842.2	5,699_1	14.0						-1-7; Notched	collar; 2 7/8: 2	2.441; 5,842-5,843	3: 0.45
5,842.5 5,949.5	5,699,4 5,803,8	14.0									
5,949.5	5,805,7	11.1									
5,951.4	5,848.6	1.11									
5,996.1	5,849.6	10.4						3. Production	1: 5 1/2 in: 4 0	0 in: 10 5 000 81	D. 5 000 00 0
6,004.9	5,858.3	10,4							i, 5 1/2 in; 4.9	50 in; 10-5,996 ftK	D, 5,986.00 ft
0,004.0	0,000.0		1 1	1.1.1		04040					
www.newf			and a transmission of the								

Attachment +

Sample ID: WA-33968

Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078

Water Analysis Report

Production Company: NEWFIELD PRODUCTION (158) Well Name: Mon BT 1-23-9-16 Sample Point: tank Sample Date: 11/19/2009 Sales Rep: Randy Huber Lab Tech: Peter Poulsen

Sample Specif	ics	An	alysis @ Proper	ties in Sample Specifics	
Test Date:	11/19/2009	Cations	mg/L	Anions	mg/L
		Calcium (Ca):	40.00	Chloride (CI):	9000.00
Temperature (°F):	100	Magnesium (Mg):	-	Sulfate (SO4):	23.00
Sample Pressure (psig):	0	Barium (Ba):	5.00	Dissolved CO2:	
Specific Gravity (g/cm³):	1.0120	Strontium (Sr):	-	Bicarbonate (HCO3):	3904.00
pH:	8.6	Sodium (Na):	7184.00	Carbonate (CO3):	
Turbidity (NTU):		Potassium (K):		H ₂ S:	35.00
	*********	Iron (Fe):	0.81	Phosphate (PO ₄):	
		Manganese (Mn):	0.12	Silica (SiO ₂):	
Calculated T.D.S. (mg/L)	20192	Lithium (Li):	-	Fluoride (F):	
Molar Conductivity (µS/cm):	30594	Aluminum (Al):	•	Nitrate (NO ₃):	
Resitivity (Mohm):	0.3269	Ammonia NH ₃ :	-	Lead (Pb):	
				Zinc (Zn):	
			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Bromine (Br):	
		1.13	Share and a state	Boron (B):	

Scale Values @ Test Conditions - Potential Amount of Scale in Ib/1000bbl Calcium Sulfate Strontium Sulfate Calcium Carbonate Gypsum Barium Sulfate Calculate **Test Conditions** CaSO 4 BaSO₄ CaCO₃ CaSO 4- 2H 20 SrSO₄ Temp Gauge Press. °F psi Sat Index Scale psi 100 0 33.64 56.10 0.00 -2951.60 0.00 -3092.60 -1.77 3.35 0.18 80 0 28.45 61.63 0.00 5.01 -3.68 0.00 -3277.50 2.71 0.10 -100 0 33.64 56.10 0.00 -2.36 0.00 -3092.60 1.77 3.35 0.12 120 0 37.06 51.73 0.00 0.00 1.17 0.14 -1.67 -2812.00 1.19 0 140 38.99 48.88 0.00 -1.28 0.00 -2476.30 0.81 -1.60 0.15 160 0 39.45 47.70 0.00 -1.07 -5.03 0.00 -2121.60 0.57 0.17 180 0 38.58 48.04 0.00 -0.96 0.00 -1775.40 0.40 -9.18 0.18 200 0 36.65 49.60 0.00 -0.92 0.00 -1456.10 0.29 -14.12 0.18 220 2.51 33.69 52.23 0.00 -0.94 0.00 -1188.30 -20.42 0.18 0.20 10.3 54.87 0.00 -0.98 0.00 -27.40 240 30.48 -944.11 0.15 0.18 260 20.76 -1.05 27.04 57.02 0.00 0.00 -738.99 0.11 -35.53 0.18 -1.15 280 34.54 23.58 57.44 0.00 -570.21 0.01 0.08 -44.97 0.18 300 52.34 20.23 54.45 0.00 -1.27 0.01 -433.70 0.06 -55.91 0.18

Notes:

Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

Multi-Chem	Production	Chemicals	
in the street	i fourerenert	Sugaro	

Commitment

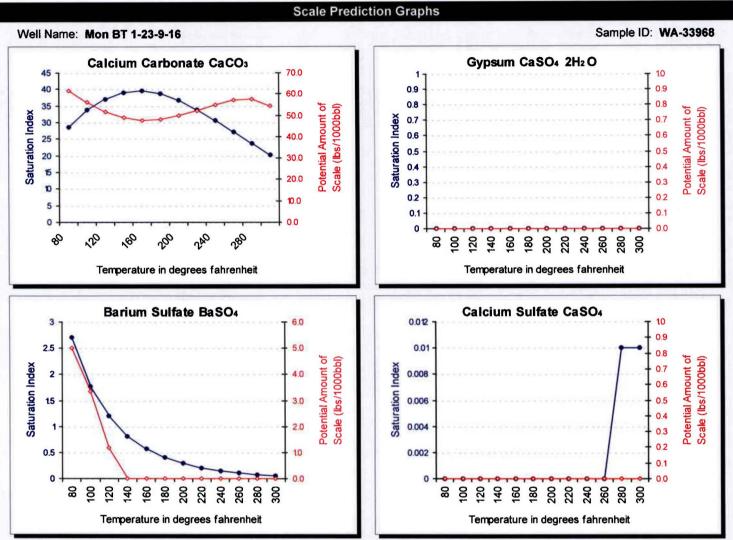
Page 1 of 2

Monday, November 23, 2009

Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078





Multi-Chem Production Chemicals

Ethics

Commitment

Page 2 of 2

Monday, November 23, 2009

Excellence

Innovation

Attachment +

Sample ID: WA-35267

Multi-Chem Group, LLC

Multi-Chem Analytical Laborator 1553 East Highway 40 Vernal, UT 84078

Water Analysis Report

Production Company: NEWFIELD PRODUCTION (158) Well Name: Beluga Injection Sample Point: Tri-plex Suction Sample Date: 1 /5 /2010 Sales Rep: Randy Huber Lab Tech: John Keel

Sample Specific	cs	An	alysis @ Proper	ties in Sample Specifics	
Test Date:	1/5/2010	Cations	mg/L	Anions	mg/L
		Calcium (Ca):	80.00	Chloride (Cl):	5000.00
Temperature (°F):	90	Magnesium (Mg):	24.40	Sulfate (SO 4):	419.00
Sample Pressure (psig):	0	Barium (Ba):	1.00	Dissolved CO ₂ :	•
Specific Gravity (g/cm³):	1.0090	Strontium (Sr):	•	Bicarbonate (HCO 3):	1195.00
pH:	8.9	Sodium (Na):	3720.00	Carbonate (CO 3):	•
Turbidity (NTU):		Potassium (K):	•	H ₂ S:	4.50
		Iron (Fe):	1.85	Phosphate (PO 4):	•
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Manganese (Mn):	0.50	Silica (SiO ₂):	•
Calculated T.D.S. (mg/L):	10446	Lithium (Li):	•	Fluoride (F):	
Molar Conductivity (µS/cm):	15828	Aluminum (Al):	•	Nitrate (NO ₃):	•
Resitivity (Mohm):	0.6318	Ammonia NH ₃ :	•	Lead (Pb):	•
recontroly (morniny.	0.0010		44 - CO 11 - 1	Zinc (Zn):	•
			Y . N + 1	Bromine (Br):	•

			Scal	e Values @	Test Co	nditions -	Potentia	al Amount	of Scal	e in lb/1000)bbl	
Test	Conditions	Calcium Ca		Gyps CaSO ₄ -		Calcium CaS		Strontium		Barium S		Calculated
Temp °F	Gauge Press. psi	CaC Sat Index	Scale		Scale	Sat Index	Scale	SrS(Sat Index	Scale	BaSC Sat Index	Scale	CO 2 psi
90	0	49.24	111.17	0.02	-2085.20	0.01	-2351.30	-		12.30	1.56	0.02
80	0	44.16	105.89	0.02	47.31	0.01	-2417.70	-	-	15.21	1.59	0.02
100	0	53.68	113.99	0.02	48.69	0.01	-2260.90	-	-	10.01	1.53	0.02
120	0	60.39	114.38	0.02	48.41	0.02	-2025 80	-	-	6.75	1.45	0.02
140	0	64.25	111.45	0.02	47.46	0.02	-1746.70	-	-	4.64	1.33	0.02
160	0	64.90	105.75	0.03	46.17	0.03	-1453.00	-	-	3.24	1.17	0.02
180	0	62.66	95.44	0.03	44.37	0.04	-1167.30	-	•	2.30	0.96	0.03
200	0	58.21	81.42	0.04	41.69	0.06	-904 51	-	-	1.65	0.67	0.03
220	2.51	52.02	67.58	0.04	37.93	0.09	-682.32	-	-	1.18	0.25	0.03
240	10.3	45.61	54.64	0.05	32.65	0.14	-482.88	-	-	0.86	-0.28	0.03
260	20.76	39.13	43.84	0.05	26.60	0.23	-316.86	-	-	0.63	-0.97	0.02
280	34.54	32.95	35.19	0.05	20.60	0.38	-182.37	-	•	0.47	-1.89	0.02
300	52.34	27.27	28.42	0.06	15.23	0.62	-76.59	-	-	0.35	-3.09	0.02

Notes:

Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

Multi-Chem Production Chemicals

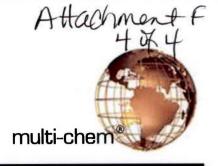
Page 1 of 2

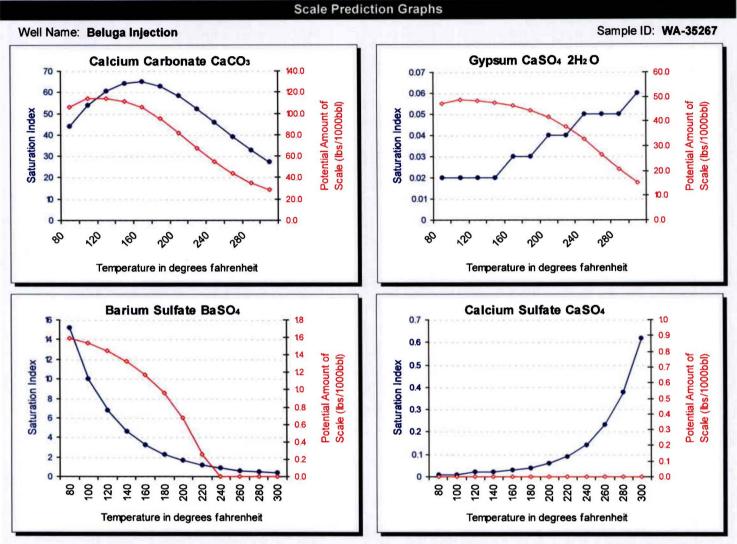
Thursday, January 07, 2010

Boron (B):

Multi-Chem Group, LLC

Multi-Chem Analytical Laborator 1553 East Highway 40 Vernal, UT 84078





Commitment

Page 2 of 2

Excellence

Thursday, January 07, 2010

Attachment "G"

Federal #1-23-9-16 Proposed Maximum Injection Pressure

Frac	Interval			Calculated Frac	
(fe	eet)	Avg. Depth	ISIP	Gradient	
Тор	Bottom	(feet)	(psi)	(psi/ft)	Pmax
5365	5373	5369	1913	0.79	1878
4898	4916	4907	2091	0.86	2059
4951	4963	4957	2091	0.86	2059
4007	4018	4013	1697	0.86	1671 🗲
				Minimum	1671

Calc	culation 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.

Attachment G-1



-				DAILY CON	IPLET	ION REP	ORT			-	
WELL N	NAME:		Federal 1-23	-9-16	Rep	oort Date:	12-	Feb-08			Day: <u>1</u>
Ope	eration:		Completion					Rig:	Rig	gless	
				WE	LL ST	ATUS					· · · · · · · · · · · · · · · · · · ·
Surf Csg: Tbg:	8 5/8' Size:	@	<u>321'</u> Wt:	Prod C Grd:	sg:	5 1/2" Pkr/EC	@ ot @:	5784'	Csg BP/Sand		5707' WL
				PERFOR	NOITAS)				
Zone			<u>Perfs</u>	SPF/#shots		Zoi	ne		<u>Perfs</u>		SPF/#shots
									<u></u>		
CP1 sds		5365	-5373'	4/32							
			,	CHRONOLO	GICAL	OPERAT	IONS				<i>"</i>
Date Worl	k Perfor	med	l: 11-Fel	b-08				SITP:		SICP:	0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5707' & cement top @ 91'. Perforate stage #1. CP1 sds @ 5365-73' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 137 BWTR. SIFN.

	······································	FLL	JID RECOVERY (BB	LS)	
Starting fluid l	oad to be recovered:	137	Starting oil rec to		
Fluid <u>lost</u> /reco	vered today:	0	Oil lost/recovered	today:	-
Ending fluid to	be recovered:	137	Cum oil recovered	d:	_
IFL:	FFL:	_ FTP:	Choke:	Final Fluid Rate:	Final oil cut:
••••••••••••••••••••••••••••••••••••••	STIMULA	FION DETAIL	······································	COST	S
Base Fluid use	ed:	Job Type:		Weatherford BOP	\$540
Company:				NPC NU crew	\$300
Procedure or E	Equipment detail:			NDSI trucking	\$800
	······································		· · · · · · · · · · · · · · · · · · ·	Perforators LLC	\$5,504
. <u> </u>				Drilling cost	\$326,272
				D&M hot oil	\$472
· · · ·				Location preparation	\$300
		· · ·	·	NPC wellhead	\$1,500
				Benco - anchors	\$1,200
			· · · · · · · · · · · · · · · · · · ·	Admin. Overhead	\$3,000
				NPC Supervisor	\$300
Max TP:	Max Rate:	Total flu	uid pmpd:		an a
Avg TP:	Avg Rate:	Total Pr	op pmpd:		
ISIP:	5 min:	10 min:	15 min:	DAILY COST:	\$340,188
Completio	on Supervisor:(Drson Barney	-	TOTAL WELL COST:	\$340,188

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NEWFIELD

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Attachment G1 2067

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					· · ·				Daru a
WELL NA		Federal 1-23	3-9-16	Report Date:	19-1	Feb-08			Day: 2a
Opera	ation:	Completion				Rig:	Rigle		
				LSTATUS					art and a second se
	8 5/8' Size:	@ <u>321'</u> Wt:	Prod Cs Grd:			5784'	Csg PI BP/Sand PI		5707' WL
Гbg:	Size:	¥¥C:	Giu	FRI/EC	יש יו <i>י</i> פ		Dr/Janu Fi		· · · · · · · · · · · · · · · · · · ·
			PERFORA	ATION RECORD	2				
<u>Zone</u>		<u>Perfs</u>	SPF/#shots	Zoi	ne		<u>Perfs</u>	-	SPF/#shots
· · · · · · · · · · · · · · · · · · ·	-					· · ·			
		······································		بر بین میں بین 				_	
CP1 sds		5365-5373'	4/32					-	
		· · · · · · · · · · · · · · · · · · ·					<u></u>	-	
N-4- 1071 -	Deefer			ICAL OPERAT	IONS	OITO.			0
Date Work	Pertor	rmed: <u>18-Fe</u>	2D-U8			511P:	S	ICP:	0 psi
Starting flui	d load 1	to be recovered:		COVERY (BBLS				· · .	
Fluid <u>lost</u> /re	covere		137 Sta 17 Oil	rting oil rec to da lost/recovered to	ate:			····	
⁼ luid <u>lost</u> /re Ending fluid	covere I to be i	d today: 34 recovered: 48	137 Sta 17 Oil 34 Cur	rting oil rec to da lost/recovered to m oil recovered:	ate: oday: _	Eluid Pato			il out:
Fluid lost/re	covere I to be i	d today: 34 recovered: 48 FFL: FT	137 Sta 17 Oil 34 Cur P: Chok	rting oil rec to da lost/recovered to m oil recovered:	ate: oday: _	Fluid Rate:		inal o	il cut:
Fluid <u>lost</u> /re Ending fluid IFL:	covere to be i	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u>	137 Sta 17 Oil 14 Cur 19: Chok N DETAIL Cur	rting oil rec to di lost/recovered to m oil recovered: 	ate: oday: _		COSTS		
Fluid <u>lost</u> /re Ending fluid IFL: Base Fluid u	covere I to be I	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Jo	137 Sta 17 Oil 14 Cur 19: Chok N DETAIL Cur	rting oil rec to da lost/recovered to m oil recovered:	ate: oday: _	BJ Se	COSTS ervices-CP1		\$20,11
Fluid <u>lost</u> /re Ending fluid IFL: Base Fluid u Company:	covere l to be i used:	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Jo 3J Services	137 Sta 17 Oil 14 Cur 19: Chok N DETAIL Ob ob Type: Sa	rting oil rec to da lost/recovered to m oil recovered: <e:< td=""><td>ate: oday: _</td><td>BJ Se CD wt</td><td>COSTS ervices-CP1 r & trucking</td><td></td><td>\$20,11 \$44</td></e:<>	ate: oday: _	BJ Se CD wt	COSTS ervices-CP1 r & trucking		\$20,11 \$44
Fluid <u>lost</u> /re Ending fluid IFL: Base Fluid u Company: Proce <u>dure o</u>	covere I to be i used: E or Equip	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Ja 3J Services pment detail:	137 Sta 17 Oil 14 Cur 14 Cur 17 Chok N DETAIL Sa ob Type: Sa CP1 san	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi	COSTS ervices-CP1 r & trucking ate wtr heat		\$20,11 \$440 \$1,100
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid u Company: Proce <u>dure o</u> 780 g	covere I to be i used: E or Equip als of p	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Jo 3J Services pment detail: pre-pad of 4% Techn	137 Sta 17 Oil 14 Cur 14 Cur 17 Chok N DETAIL Sa ob Type: Sa CP1 san	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv		\$20,11 \$440 \$1,100 \$1,250
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid u Company: Procedure o 780 g 509 g	Loverer I to be i used: E or Equip als of f als of f	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Jo 3J Services pment detail: pre-pad of 4% Techn flush spacer	137 Sta 17 Oil 14 Cur 14 Cur 17 Chok N DETAIL Sa ob Type: Sa CP1 san	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking		\$20,111 \$440 \$1,100 \$1,250 \$300
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid t Company: Proce <u>dure o</u> 780 g 509 g 2500	covered I to be I used: Br Equip als of p als of f gals of	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Ja 3J Services pment detail: pre-pad of 4% Techn flush spacer	137 Sta 17 Oil 14 Cur P: Chok N DETAIL Ob ob Type: Sa CP1 san ni-Hib 767W	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv		\$20,111 \$440 \$1,100 \$1,250 \$300
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid L Company: Procedure o 780 g 509 g 2500 1915	sed: E r Equip als of p gals of gals W	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Je 3J Services pment detail: pre-pad of 4% Techn flush spacer f pad // 1-4 ppg of 20/40 sa	137 Sta 17 Oil 14 Cur 14 Cur P: Chok N DETAIL Ob ob Type: Sa CP1 san ni-Hib 767W	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking		\$20,111 \$440 \$1,100 \$1,250 \$300
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid u Company: Proce <u>dure o</u> 780 g 509 g 2500 1915 3544	covered I to be in used:	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Ja 3J Services pment detail: pre-pad of 4% Techn flush spacer	137 Sta 17 Oil 14 Cur 19: Chok N DETAIL Cob ob Type: Sa CP1 san ni-Hib 767W and sand	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking		\$20,11 \$44 \$1,10 \$1,25 \$30
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid t Company: Procedure o 780 g 509 g 2500 1915 3544 Flush	covered I to be I used: E or Equip als of p als of f gals of gals W gals W W/ 50	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Je 3J Services pment detail: pre-pad of 4% Techn flush spacer f pad // 1-4 ppg of 20/40 sa // 4-6.5 ppg of 20/40	137 Sta 17 Oil 14 Cur 14 Cur 17 Chok N DETAIL Chok ob Type: Sa CP1 san ni-Hib 767W and sand ncid	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking		\$20,111 \$440 \$1,100 \$1,250 \$300
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid t Company: Procedure o 780 g 509 g 2500 1915 3544 Flush	covered I to be I used: E or Equip als of p als of f gals of gals W gals W W/ 50	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Je 3J Services pment detail: pre-pad of 4% Techn flush spacer f pad // 1-4 ppg of 20/40 sa // 4-6.5 ppg of 20/40 4 gals of 15% HCL a	137 Sta 17 Oil 14 Cur 14 Cur 17 Chok N DETAIL Chok ob Type: Sa CP1 san ni-Hib 767W and sand ncid	Inting oil rec to da lost/recovered to m oil recovered: and frac	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking		\$20,111 \$440 \$1,100 \$1,250 \$300
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid t Company: Procedure o 780 g 509 g 2500 1915 3544 Flush Flush	covered I to be I used: E or Equip als of p als of f gals of gals W gals W W/ 50 W/483	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Je 3J Services pment detail: pre-pad of 4% Techn flush spacer f pad // 1-4 ppg of 20/40 sa // 4-6.5 ppg of 20/40 4 gals of 15% HCL a	137 Sta 17 Oil 14 Cur 14 Cur P: Chok N DETAIL Ob ob Type: Sa CP1 san ni-Hib 767W and sand ncid	rting oil rec to da lost/recovered to m oil recovered: (e:	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking		\$20,111 \$440 \$1,100 \$1,250 \$300 \$100
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid L Company: Procedure o 780 g 509 g 2500 1915 3544 Flush Flush **Flus Max TP:	covered to be in used:	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Je 3J Services pment detail: pre-pad of 4% Techn flush spacer f pad // 1-4 ppg of 20/40 sa // 4-6.5 ppg of 20/40 sa // 4-8 spacer f pad // 4-8 spacer	137 Sta 17 Oil 14 Cur P: Chok N DETAIL Chok ob Type: Sa <u>CP1 san</u> ni-Hib 767W and sand sand sand sand sand m Chols pump/line M Total fluid pmpc	volume** d: 347 bbls	ate: oday: Final 	BJ Se CD wt Zubi Weatherfor N NPC	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking supervision		\$20,11! \$44(\$1,10) \$1,25(\$30) \$100
Fluid <u>lost</u> /ref Ending fluid IFL: Base Fluid t Company: Procedure o 780 g 2500 1915 3544 Flush Flush **Flus Max TP: Avg TP:	covered to be in used:	d today: 34 recovered: 48 FFL: FT <u>STIMULATION</u> Lightning 17 Je 3J Services pment detail: pre-pad of 4% Techn flush spacer f pad // 1-4 ppg of 20/40 sa // 4-6.5 ppg of 20/40 sa // 4-8 spacer f pad // 4-8 spacer	137 Sta 17 Oil 14 Cur 14 Cur 17 Chok N DETAIL Chok ob Type: Sa <u>CP1 san</u> ni-Hib 767W and sand ncid s 2 bbls pump/line	volume** d: 347 bbls	ate: poday: Final 	BJ Se CD wt Zubi Neatherfor NPC	COSTS ervices-CP1 r & trucking ate wtr heat d tools/serv PC trucking supervision		\$20,115 \$440 \$1,100 \$1,250 \$300 \$100

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Attachm	ent G-1
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DAILY COMPLETION REPORT	

WELL NAME: Operation:			Federal 1-23-9-16			port Date:	19-	Feb-08		Ŭ	Day: <u>2b</u>	
		Completion					Rig:	Rig	less			
				W	/ELL ST	ATUS					· · · ·	
Surf Csg:	8 5/8'	@	321'	Prod	I Csg:	5 1/2"	@	5784'	Csg	PBTD:	5707' WL	
Tbg:	Size:		Wt:	Grd:		Pkr/EC	рт @: _		<u>BP</u> /Sand	PBTD:	5070'	
				PERFC	DRATIO		2					
<u>Zone</u>			<u>Perfs</u>	SPF/#shots		. <u>Zo</u>	ne		Perfs		SPF/#shots	
						·						
A1 sds		4898	8-4916'	4/72		· ·						
A3 sds		4951	-4963'	4/48	•						the state	
CP1 sds		5365	5-5373'	4/32	•					_		
					·			. ·		_	<u></u>	
				CHRONOL	OGICA	L OPERAT	IONS					
Date Wor			d: <u>18-Fe</u>	b-08				SITP:		SICP:	1365 psi	

Day 2b. Stage #2, A1 & A3 sands.

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 12' & 18' perf gun. Set plug @ 5070'. Perforate A3 sds @ 4951- 63', A1 sds @ 4898- 4916' w/ 3-1/8" Slick Guns (19 gram, 49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 120 shots (2 runs). RU BJ Services. 1365 psi on well. Frac A1 & A3 sds w/ 159,791#'s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Leave pressure on well. 1589 BWTR See Day 2c

		-		FLUID RECO	VERY (BBLS	5)	······	
Starti	ng fluid loa	d to be recove	ered:48	34 Starti	ng oil rec to da	ate:		<u>.</u>
Fluid	lost/recove	red today:	1105	Oil lo	st/recovered to	oday:		
Endin	ig fluid to b	e recovered:	1589	Cum	oil recovered:			
IFL:		FFL:	FTP:	Choke:		Final F	uid Rate:	Final oil cut:
- . (*	21 A.	STIM	ULATION D	ETAIL	:		COST	<u>s</u>
Base	Fluid used:	Lightning	g 17 Job	Type: San	d frac		BJ Services-A1/A3	\$32,153
Comp	any:	BJ Services	<u>}</u>				CD wtr & trucking	\$2,840
Proce	dure or Eq	uipment detai	l:	<u>A1 & A3 san</u>	ds		NPC fuel gas	\$375
	780 gals o	f pre-pad of 4	1% Techni-H	lib 767W		W	eatherford tools/serv	\$2,450
1 sta	438 gals o	f flush space	r				Perforators LLC	\$7,317
15	12100 gal	s of pad					NPC supervision	\$100
n Angala Janat	8000 gals	W/ 1-5 ppg o	f 20/40 sand					
	16000 gal	s W/ 5-8 ppg	of 20/40 sar	nd				
	4254 gals	W/8 ppg of 2	20/40 sand					
n an tair an ta	Flush W/ 5	504 gals of 15	5% HCL acid					
	Flush W/ 4	1330 gals of s	lick water.					
	Flush cal	led @ blende	rincludes 2	bbls pump/line vo	lume			
М	ax TP: 214	Max Rate:	23.3 BPM	Total fluid pmpd:	1105 bbls			
A	vg TP: 179	D Avg Rate:	23.3 BPM	Total Prop pmpd:	159,791#'s		DAILY COST:	\$45,235.
	ISIP: 209) min:	FG: <u>.86</u>	T	OTAL WELL COST:	\$408,728
C	ompletion	Supervisor:	Orson	Barney				an a



Attachment Gr1 487

DAILY COMPLETION	REPORT

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					D	AILY C	OMPL	ETION RE	PORT			•	
WELL N	IAME:		Fede	ral 1.	-23-9-1	6	R	eport Date	e: 19-	-Feb-08	Day: <u>2</u> c		
Оре	ration		Completion						Rig:	Rig: Rigless		.:	
				· · · · ·			WELL S	TATUS					
Surf Csg:	8 5/8	@	321'	I		Pr	od Csg:	5 1/2"	0	5784'	c	sg PBTD:	5707' WL
Tbg:	Size:	-		Wt:		Grd		Pkr/	EOT @:		BP/Sa	and PBTD:	4120'
				_			······································	······································			-	B	P: 5070'
						PER	FORATI	ON RECO	RD				
Zone			<u>Perfs</u>		<u>S</u>	PF/#shot	<u>s</u>	<u>Z</u>	Zone		<u>Perfs</u>		SPF/#shots
GB6 sds	_	4007	-4018'		4	/44	_			<u></u>			1. japan 1. j.
A1 sds	_	4898	-4916'		4	172						-	44 (4)
A3 sds	_	4951	-4963'		4	/48							
CP1 sds	-	5365	-5373'		4	32							
										<u></u>			
••••••••••••••••••••••••••••••••••••••					C	HRONC	LOGIC	AL OPERA	TIONS				••••••••••••••••••••••••••••••••••••••
Date Worl	< Perfo	ormed	: _	18-	Feb-08					SITP		SICP:	1578 psi
Day 2c. RU Perfo gun. Set p EXP-3319 20/40 sand Techni-Hib flowback o	rators olug @ -331 T d in 38 0 767W	WLT, 4120' itan) w 9 bbls /. Trea	crane & Perfora // 4 spf fo of Lightr ated w/ a	lubric ate G or tot ning ave p	B6 sds al of 44 17 fluid ressure	a @ 400 I shots. Broke a of 1653 d for 5 h	7- 18' w/ RU BJ \$ @ 3772 3 psi @ irs & die	Services. 1 psi. Pump ave rate of d. Rec. es	k Guns 578 psi bed 780 g 23.2 BP t 300 BT	(19 gram, on well. Fr gals of fres M. ISIP 16	.49" HE, ac GB6 h wtr mi 97 psi.	120°, 21.9 sds w/ 43, xed with 3 Begin imm	92" pen, ,024#'s of 0 gals of
				-				VERY (BB			· .		
Starting flu				ed:	1589	<u>J</u>		ng oil rec to	-				
Fluid lost/r			. –		89	<u> </u>	2	st/recovered	· · .				
Ending flui	a to be		erea:		1678			oil recovere	· · · · · ·		•		AN IN INC.
IFL:	· · · ·	FFL:			FTP:		Choke:	;		Fluid Rate		rinal (oil cut:
			STIMU	LATI	ON DE	TAIL					<u>C</u> (OSTS	
Base Fluid	used:	Lig	htning 1	17	Job Ty	/pe:	Sand	d frac		BJ S	ervices-	GB6	\$13,993
1999 B			~		-								

Starting fluid load to be recovered: 1589 Starting oil rec to date: Fluid lost/recovered today: 89 Oil lost/recovered today: Ending fluid to be recovered: 1678 Cum oil recovered: IFL: FTP: Choke: Final Fluid Rate:	Final oil cut:
STIMULATION DETAIL COST	<u>S</u>
Base Fluid used: Lightning 17 Job Type: Sand frac BJ Services-GB6	\$13,993
Company: BJ Services CD wtr & trucking	\$720
Procedure or Equipment detail: <u>GB6 sands</u> NPC fuel gas	\$125
780 gals of pre-pad of 4% Techni-Hib 767W Weatherford tools/serv	\$2,450
434 gals of flush spacer Perforators LLC	\$2,683
3200 gals of pad NPC supervision	\$100
2500 gals W/ 1-5 ppg of 20/40 sand NPC flowback hand	\$400
5480 gals W/ 5-8 ppg of 20/40 sand Unichem chemicals	\$400
Flush W/ 3948 gals of slick water. Pit reclaim	\$5,000
NPC sfc equipment	\$130,000
Boren welding/labor	\$19,500
NDSI wtr disposal	\$5,000
Max TP: 1876 Max Rate: 23.4 BPM Total fluid pmpd: 389 bbls B&L-new J-55 tbg	\$25,193
Avg TP: 1653 Avg Rate: 23.2 BPM Total Prop pmpd: 43,024#'s DAILY COST:	\$205,564
ISIP: 1697 5 min: 10 min: FG: .86 TOTAL WELL COST:	\$614,292
Completion Supervisor: Orson Barney	
 A second s	



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Attachment	6.
537	L
Day: <u>3</u>	

				DA		- 0 -					
WELL N	NAME:	Fed	eral 1-2	3-9-16		Rep	ort Date:	19-	Feb-08	-	Day: 3
Оре	ration	: <u>Comp</u>	letion	· .					Rig:	Western #	1
	· · · · ·			. t. e	W	ELL STA	TUS		······		
Surf Csg:	8 5/8	'@ 32 [.]	1'		Prod	Csg:	5 1/2"	@	5784'	Csg PBTD:	5707' WL
Tbg:	Size:	2 7/8"	Wt:	6.5#	Grd:	J-55	Pkr/E	от @: _	5317'	<u>BP</u> /Sand PBTD:	4120'
										·	P: 5070
				•	PERFC	DRATION	RECOR	D			
Zone		<u>Perfs</u>			#shots		Zo	ņe		<u>Perfs</u>	SPF/#shots
GB6 sds		4007-4018'		4/44							Si7
A1 sds	_	4898-4916'	<u> </u>	4/72						·	395F 22
A3 sds		4951-4963'		4/48							
CP1 sds		5365-5373'		4/32				<u> </u>			·
				<u> </u>							<u></u>
				CHI	RONOL	OGICAL	OPERAT	IONS			
Date Wor	k Perfo	ormed:	18-F	eb-08			,		SITP:	SICP:	Vacuum
MIRLIMA	ostorn :	#4 Hot oiler	steame	d & thay	ved out	BOP & W	H Csar	n vacu		ameron BOP & 5	MWH NU
										J-55 tbg. Tagged	
						•		•		/s. Sand @ 3835	
		•								inue PU tbg. EOT	
• •		an. SIWFN v					inou out i				G
0							· .				1997 - 1997 -
					a sa	1999 - S. 1994 1997 - S. 1997 - S. 1 1997 - S. 1997 - S. 19					
							19 (19 (19 (19 (19 (19 (19 (19 (19 (19 (
· · · · ·					FLUID I	RECOVE	RY (BBL	<u>S)</u>			
Starting flu	uid load	to be recover	red:	1678	• • • •	Starting o	oil rec to d	ate:			

Starting fluid load to be re	ecovered: 1678	FLUID RECOVERY (Starting oil rec	to date:	· · · · · · · · · · · · · · · · · · ·	······································
Fluid <u>lost</u> /recovered today Ending fluid to be recover	والباطر مرادق المحلق المتعلية المتعقلية والمتعاد والمتعاد والمتعادية والمحلفة والمحلفة والمحلفة والمح	Oil lost/recove		<u>*************************************</u>	2
IFL: FFL:	FTP:	Choke:	_	Fluid Rate:	inal oil cu t:
				COSTS	
	· · · · · · · · · · · · · · · · · · ·			Western rig #4	\$5,328
an a	··· ··· ···		_	Weatherford BOP	\$255
· · · · ·			<u> </u>	NPC wtr & trucking	\$400
	· · · · · · · · · · · · · · · · · · ·			Nabors power swivel	\$750
		e e e e e e e e e e e e e e e e e e e		D&M hot oil	\$465
and a state of the				NPC supervision	\$300
				NPC location cleanup	\$400
	· · · · ·		·····	Mt West sanitation	\$400
				CDI TA	\$525
		· · ·		CDI SN	\$80
	· · · · · · · · · · · · · · · · · · ·			· · ·	
			<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
				DAILY COST:	\$8,903
en general de la companya de la comp		· · · · · · · · · · · · · · · · · · ·	<u> </u>	TOTAL WELL COST:	\$623,195
Completion Supervi	sor: Orson Bar	ney			
					1.

NEWFIELD

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Attachment G 587

DAILY COMPLETION REPORT

	<u>LL NAME:</u>	Fede	ral 1-23-9-16		Report Date: _	21-Fe	b-08	Day: <u>4</u>	
	Operation:	Comple	etion		· ·		Rig:	Western	#4
				WELL	STATUS				
Surf C	sg: <u>8 5/8'</u>	@321		Prod Csg	the second s	· · · · · · · · · · · · · · · · · · ·	5784'	Csg PBT	*****
Tbg:	Size:	2 7/8"	Wt: 6.5#	Grd: J	-55 Pkr/EO	Т@:	5317'	BP/Sand PBT	<u>D</u> : <u>5740'</u>
				PERFORAT	ION RECORD				<u></u>
Zo	ne	<u>Perfs</u>		<u>#shots</u>	Zon	<u>e</u>		<u>Perfs</u>	SPF/#shots
GB6 s		007-4018'	4/44						······
A1 sd A3 sd		898-4916' 951-4963'	<u>4/72</u> 4/48			<u> </u>			
CP1 s		365-5373'	4/32	· · ·					
					· · · · · · · · · · · · · · · · · · ·	······································	·		
			CHR	ONOLOGI		DNS		,	
Date '	Work Perfor	ned:	20-Feb-08	_	• •		SITP:	Vac SIC	P: Vacuum
sand	@ 5630'. RU	Nabors pov	ut BOP & WH. ver swivel & pur as follows: NC,	mp & lines.	C/O to PBTD @	D 5740'.	LD extr	a tbg. TOH w/	tbg. LD bit &
									r
				n na sea Sean ann an Sean Ann Sean ann an Seannach		·			-
		······································	Ē	LUID REC	OVERY (BBLS)			
Startin	ng fluid load te	o be recovere	ed: <u>1793</u>		ing oil rec to da		· :		
	lost/recovered	-	45	<u> </u>	ost/recovered to	day:			:40
Endin	g fluid to be re	FFL:	<u>1838</u> FTP:	Cum Choke	oil recovered:	Final Fl	uid Rate:	Fin	al oil cut:
	the second state is a second state of the second state of the second state of the second state of the second st								
,	TUBIN			ROD DE	ETAIL			COSTS	·····
		<u>G DETAIL</u>		ROD DE			We	COSTS estern rig #4	\$5,572
170		<u>G DETAIL</u> 00' KB		<u>ROD DE</u> ?" x 22' polis					\$5,572 \$255
170	<u>12.</u>	<u>G DETAIL</u> 00' KB			hed rod		Weath	estern rig #4	
· ·	<u>12.0</u> jts 2 7/8 J-55 TA (2.80') @	<u>G DETAIL</u> 00' KB (')		2" x 22' polis	hed rod subs		Weath N	estern rig #4 herford BOP PC trucking	\$255 \$400
1	<u>12.</u> jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (G DETAIL 00' KB (') ' KB ')		" x 22' polis 3/4" pony - 3/4" guide	hed rod subs d rods		Weath N Nabors p	estern rig #4 herford BOP PC trucking ower swivel	\$255 \$400 \$750
1	<u>12.0</u> jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @	G DETAIL 00' KB (') ' KB ') ' KB		" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro	hed rod subs d rods ods		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300
1	<u>12.0</u> jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55	G DETAIL 00' KB (') ' KB (') ' KB (')		" x 22' polis 3/4" pony - 3/4" guide	hed rod subs d rods ods d rods		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel	\$255 \$400 \$750
1 2	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB (') ' KB (')		" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" wei	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300
1 2	<u>12.0</u> jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55	G DETAIL 00' KB (') ' KB ') ' KB (') 5')	1 1/2	2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" weig 2 1/2" x 1 1/2"	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300
1 2	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB ') ' KB (') 5')	1 1/2	" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" wei	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300
1 2	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB ') ' KB (') 5')	1 1/2	2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" weig 2 1/2" x 1 1/2"	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300
1 2	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB ') ' KB (') 5')	1 1/2	2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" weig 2 1/2" x 1 1/2"	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300
1 2	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB ') ' KB (') 5')	1 1/2	2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" weig 2 1/2" x 1 1/2"	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil	\$255 \$400 \$750 \$300 \$300
1 2	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB ') ' KB (') 5')	1 1/2	2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" weig 2 1/2" x 1 1/2"	hed rod subs d rods ods d rods ght bars		Weath N Nabors p A	estern rig #4 herford BOP PC trucking ower swivel action hot oil supervision	\$255 \$400 \$750 \$300 \$300
1	12.0 jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45	G DETAIL 00' KB (') ' KB (') ' KB (') ' KB	1 1/2	2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" wei 2 1/2" x 1 1/2" C pump	hed rod subs d rods ods d rods ght bars		Weath Nabors p A NPC	estern rig #4 herford BOP PC trucking ower swivel action hot oil supervision	\$255 \$400 \$750 \$300 \$300
1	<u>12.</u> jts 2 7/8 J-55 TA (2.80') @ jt 2 7/8 J-55 (SN (1.10') @ jts 2 7/8 J-55 2 7/8 NC (.45 EOT @	G DETAIL 00' KB (') ' KB (') ' KB (') ' KB		2" x 22' polis 3/4" pony - 3/4" guide 3/4" plain ro - 3/4" guide - 1 1/2" wei 2 1/2" x 1 1/2" C pump	hed rod subs d rods ods d rods ght bars		Weath Nabors p A NPC	estern rig #4 herford BOP PC trucking ower swivel action hot oil supervision	\$255 \$400 \$750 \$300 \$300 \$300 \$300 \$300 \$37,577

Attachment6. 7067



Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5451' BP/Sand PBTD: 5740' Zone Perfs SPF/#shots Zone Perfs SPF/#shots GB6 sds 4007-4018' 4/44			DAILY C	OMPLETIO	N REPO	DRT					
WELL STATUS WELL STATUS Start Cag Date Work Performation CHRONOLOGICAL OPERATIONS Starting oil rest ot attribution vacuum. ND BOP. Set TA w' 16,000#'s tension @ 5353', SN @ 5387', SN @ 5387', SN @ 547', 11/2'' X 12'' X 11/2'' X 12'' X 11/2'' X 12'' X 11/2'' X 11/2'' X 12'' X 11/2''	WELL NAME:	Federal 1-2	3-9-16	Repor	t Date: _	22-F	eb-08			Day: <u>5</u>	
Surt Csg: 8 5/8' © 321' Prod Csg: 5 1/2" © 5764' Csg PBTD: 5740' Tog: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT@: 5451' DPS_sand PBTD: 5740' Cone Perfs SPF/#shots Zone Perfs SPF/#shots GB6 sds 4007-4018' 4/44 Zone Perfs SPF/#shots A1 sds 4898-4916' 4/72	Operation:	Completion		. * . 			Rig:	West	tern #4		
Surt Csg: 8 5/8' © 321' Prod Csg: 5 1/2" © 5764' Csg PBTD: 5740' Tog: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT@: 5451' DPS_sand PBTD: 5740' Cone Perfs SPF/#shots Zone Perfs SPF/#shots GB6 sds 4007-4018' 4/44 Zone Perfs SPF/#shots A1 sds 4898-4916' 4/72				WELL STAT	US						
PERFORATION RECORD Zone Perfs SPF/#shots Zone Perfs SPF/#shots GB6 sds 4007-4018' 4/44 Zone Perfs SPF/#shots A1 sds 4398-4916' 4/72 Zone SPF/#shots SPF/#shots A3 sds 4951-4963' 4/48 Secondary Secondary Secondary A3 sds 4951-4963' 4/44 Secondary SITP: Vac SICP: Vacuum Date Work Performed: 21-Feb-08 SITP: Vac SICP: Vacuum Hot olier steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#'s tension @ 5353', SN @ 537', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w' B' grade rods as follows: 21/2' X 1 1/2' X 16' RHAC 'CDF', 6-1 1/2' wt bars, 20- 3/4' guided rods, 89- 34' pilain rods, 100-3/4' guided rods, 1-2', 2-8' X 34'' pony, 11/2' X 22' Polish rod. Hang head, Space out rods. Filt bg w/ 6 bbls of wir. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w' 74'' SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTIH Starting fluid load to be recovered: 1838 Starting oil rec to date: Filt gg/recovered today: Site of the mode recovered: Filt gg/recovered today: Site of the mode recovered: Filt gg/recovered today: Site of the mode recovered: Site of the mode re	Surf Csg: 8 5/8'	@ 321'				@	5784'	Csg	PBTD:	574	10'
Zone Parts SPF/#shots Zone Parts SPF/#shots GB6 sds 4007-4018' 4/44	Tbg: Size:	2 7/8" Wt:	6.5# Grd:	J-55	Pkr/EO	T @:	5451'	BP/Sand	PBTD:	574	10'
Zone Parts SPF/#shots Zone Parts SPF/#shots GB6 sds 4007-4018' 4/44			DEDE		ECORD				<u></u>	•.	
EdB 6 sds 4007-4018' 4/44 A1 sds 48984916' 4/72 A3 sds 489514963' 4/48 CP1 sds 5365-5373' 4/32 Date Work Performed: 21-Feb-08 SITP: Vac SICP: Vacuum Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000%* tension @ 5337; SN @ 5387, EOC @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up nod pump. PU & RiH+w/ 'B' grade rods as Side rods, 1-2', 2-8' X 34'' ponys, 1 1/2'' X 22' Polish nod. Hang head, Space out rods. Fill tbg w/ 60 bbis of wr. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/74'' SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTING Starting fluid load to be recovered: 1838 Starting oil rec to date: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil ctt ² TUBING DETAIL ROD DETAIL Western rig #4 \$2,413 170 jts 27/8 J-55 (5340.76') 1 1/2'' x 22' polished rod (B) Weatherford BOP \$255 TA (2.80') @ 5380.90'KB 89-3/4'' plain rods (B) NPC for thk/stoks/stoks) \$1,000 2 1/2 7/8 J-55 (5340.76') 1 1/2''' x 22' polished rod (B) NPC for thk/stoks/stoks) \$1,000 1 1/2 7/8 J-55 (5340.76') 1 1/2''' x 22' polishe	Zone	Perfs						Perfs		SPF/#s	shots
A3 sds 4951-4963' 448 CP1 sds 5365-5373' 432 CHRONOLOGICAL OPERATIONS CHRONOLOGICAL OPERATIONS Date Work Performed: 21-Feb-08 SITP: Vac S37', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B" grade rods as 537', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B" grade rods as 610lows: 2 1/2" X 11/2" X 16" RHAC "CDI", 6 - 11/2" wt bars, 20-34" guided rods, 89-3/4" plain rods, 100-3/4" guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head. Space out rods. Fill tbg w/ 6 bbls of wtr. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTIT Starting fluid load to be recovered: 1838 Starting oil rec to date: Fluid Iosyfrecovered today: 1888 Cum oil recovered: Final Fluid Rate: FIL: FFL: FTP: Choke: Final Fluid Rate: TUBING DETAIL ROD DETAIL Western rig #4 S2,413 170 jis 27/8 J-55 (5140.76') 1 1/2" x 22' polished rod (B) Weatherford BOP \$255 TA (2.60') @ 5385.76' KB 1-2'. 2-8' X 3/4" pony sube (B) B grade rod string \$9,216 1 jiz 27/8 J-55 (62.82') 20-3/4" guided rods (B) NPC swb tnk 5 dys \$200' <td>GB6 sds 4</td> <td>007-4018'</td> <td>4/44</td> <td>- </td> <td></td> <td>-</td> <td></td> <td></td> <td>~</td> <td></td> <td></td>	GB6 sds 4	007-4018'	4/44	- 		-			~		
CP1 sds 5365-5373' 4/32 CHRONOLOGICAL OPERATIONS CHRONOLOGICAL OPERATIONS Date Work Performed: 21-Feb-08 SITP: Vac SICP: Vacuum Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#s tension @ 5353', SN @ 5387', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RHW "B' grade rods as follows: 2 1/2" X 1 1/2" X 1 1/2" X 1 1/2" X 1 1/2" X 21 Polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbis of Wr. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTI!!! Starting fluid load to be recovered: 1838 Starting oil rec to date: Fluid logs/recovered today: 30 Oil lost/recovered today: Final Fluid Rate: Fluid logs/recovered: 1868 Cum oil recovered: Final Fluid Rate: Final oil cuti: IFL: FTP: Choke: Final Fluid Rate: Final oil cuti: 12 (2/6) / KB 11/2" x 22' polished rod (B) Western rig #4 \$2,413 170 Its 2 7/8 J-55 (6340.76') 1 1/2" x 22' polished rod (C) Western rig #4 \$2,413 18 (2/6) / KB 1 /2" x 22' polished rod (B) NPC frea hk(5mkX5dys) \$1,000 1 It 27/6 J-55 (6340.76') 1 1/2" x 12' rol's (C) <	and the second								-		
CHRONOLOGICAL OPERATIONS CHRONOLOGICAL OPERATIONS Date Work Performed: 21-Feb-08 Not olier steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#s tension @ 5353', SN @ 5387', EOT @ 5451', NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B" grade rods as follows: 2 1/2" X 1 1/2" X 16' RHAC "CDI", 6-1 1/2" wt bars, 20-3/4" guided rods, 89-3/4" plain rods, 100-3/4" guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head, Space out rods. Fill by w/ 6 bbis of wtr. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTIE! FLUID RECOVERY (BBLS) Starting fluid load to be recovered: 1868 IBUS DETAIL COM KE FLUID RECOVERY (BBLS) Starting fluid load to be recovered: 1868 IBE: FIL: FINE FIL: FINE TUBING DETAIL COOSTS Western rig #4 \$2,413 11/2" x 22' polished rod (B) Western rig #4 \$2,413 TUBING DETAIL COSTS TUBING DETAIL COSTS									-		·
Date Work Performed: 21-Feb-08 SITP: 'Vac SICP: 'Vacuum Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#'s tension @ 5353', SN @ 5387', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B' grade rods as follows: 21/2" X 1 1/2" X 16' RLAC. 'COL", 6- 11/2" wt bars, 20- 344' guided rods, 9- 34'' gliahr rods, 100- 34'' guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTIT Starting fluid to be recovered: 1838 Starting oil rec to date:				 .					-		·····
Date Work Performed: 21-Feb-08 SITP: Vac SICP: Vacuum Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#'s tension @ 5353', SN @ 5387', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B' grade rods as follows: 21/2" X 1 1/2" X 16' RHAC 'CDI", 6-1 1/2" wt bars, 20- 34'' guided rods, 89- 34'' plain rods, 100- 34'' guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr. Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74'' SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORTI!! Starting fluid to be recovered: 1838 Starting oil rec to date:			CHRONO	LOGICAL O	PERATIO	DNS					
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CDI rod pump \$1,450			RHAC pur	mp		-			~		
DAILY COST: \$15,939 Completion Supervisor: Orson Barney TOTAL WELL COST: \$646,711							CI		~	\$1	
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ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 3957'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	180' balance plug using 21 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 casing to 371'

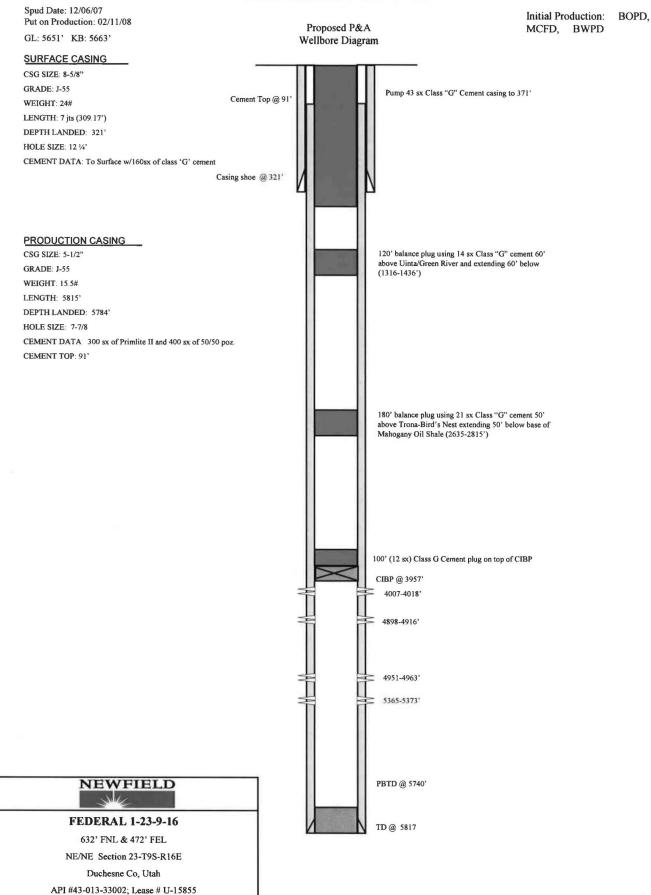
The approximate cost to plug and abandon this well is \$59,344.

Federal #1-23-9-16

1

Attachment H-1

FEDERAL 1-23-9-16



FORM 3160-5 (August 2007) [SUNDR Do not use abandoned w	FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010 5. Lease Serial No. UTU-15855 6. If Indian, Allottee or Tribe Name.						
SUBMIT IN	N TRIPLICATE - Other	Instructions on page 2		7. If Unit or CA/A GMBU	Agreement, Name and/or		
1. Type of Well Image: Oil Well Image	Other		8. Well Name and Federal 1-23-9-1				
NEWFIELD PRODUCTION C 3a. Address Route 3 Box 3630 Myton, UT 84052	OMPANY	code)	9. API Well No. 4301333002 10. Field and Pool, or Exploratory Area				
NENE Section 23 T9S R16E	Sec., T., R., M., or Survey Desc		TIBEOEN	MONUMENT E 11. County or Par DUCHESNE, U	ish, State JT		
TYPE OF SUBMISSION		·····	OF ACTION				
 Notice of Intent Subsequent Report Final Abandonment 	 Acidize Alter Casing Casing Repair Change Plans Convert to Injector 	 Deepen Fracture Treat New Construction Plug & Abandon Plug Back 	Reclamat	ete rily Abandon	Water Shut-Off Well Integrity Other		
Bond under which the work will b of the involved operations. If the	Deration: (Clearly state all pertinent or recomplete horizontally, give sub e performed or provide the Bond No operation results in a multiple compl be filed only after all requirements, i	surface locations and measured and on file with BLM/BIA. Required s etion or recompletion in a new interv	true vertical depth ubsequent reports ral, a Form 3160-4	s of all pertinent mark shall be filed within 30 shall be filed once tes	ers and zones. Attach the 0 days following completion sting has been completed.		

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and	Title						
correct (Printed/ Typed)							
Eric Sundberg	Regulatory Analyst						
Signature	Date						
E Tul	03/02/2010						
THIS SPACE FOR FED	DERAL OR STATE OFFICI	E USE					
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 which would entitle the applicant to conduct operations thereon.	Office						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any p States any false, fictitious and fraudulent statements or representations as to any matter w		any department or agency of the United					

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(Instructions on page 2)

D	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES IVISION OF OIL, GAS, AND MININ	IG	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855			
Do not use this form for below current bottom-h	Proposals to drill new wells, significantly ole depth, reenter plugged wells, or to dri PERMIT TO DRILL form for such proposals	deepen existing wells Il horizontal laterals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)			
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: Federal 1-23-9-16				
2. NAME OF OPERATOR: Newfield Production Compar	ıy	9. API NUMBER: 43013330020000				
3. ADDRESS OF OPERAT 4 Waterway Square Place, Su	DR: ite 100, The Woodlands, TX, 77380	PHONE NUMBER: 435-646-4802	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE			
	:: WNSHIP, RANGE, MERIDIAN: 3 Township: 9S Range: 16E Meridian: S		COUNTY: DUCHESNE STATE: UTAH			
11. CHECH	APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE,	REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTIO	N			
On 08/19/2019 N concerning the 5 Yea pressured up to 126 well was not injection	ACIDIZE Image: Change to previous plans Change well status Image: Change well status DEEPEN Image: Change well status OPERATOR CHANGE Image: Change well status PRODUCTION START OR RESUME Image: Change well status REPERFORATE CURRENT FORMATION Image: Change well status WATER SHUTOFF Image: Change well status WILDCAT WELL DETERMINATION Image: Change well status D OR COMPLETED OPERATIONS. Clearly sh Mark Reinbold with the State of Utah r MIT on the above listed well. On 08 5 psig and charted for 15 minutes wing during the test. The tubing pressue a State representative available to we reinbold.	DOGM was contacted /22/2019 the casing th no pressure loss. T re was 878 psig durir	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 Utah Division of Oil, Gas and Mining			
NAME (PLEASE PRINT)	PHONE NUMBI	R				
Lucy Chavez-Naupoto	435 646-4874	Field Production Assista	nt			
SIGNATURE N/A		DATE 9/3/2019				

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

	RK Reinbold GTT UNRUH]	Date: <u>8 - 22 -</u>	<u>2019</u> Time:	9:44	@m pm
Well Name: Fener	1 1 12 0 10					
	Al 1-23-9-14	>				
Field: Monument P.			County: Due		State:	Ut
Location: <u>NENE</u> Sec: Operator: <u>Newfield</u>	<u> </u>	T_9	N/S	R_16_	(E)/ W	
Last MIT: 9 / 23 / 2014	1	Maximur	API # <u>43-013</u> n Allowable Press	- 33007 sure: 1671	-	psig
		maximu				haiR
Is this a regulary sche	v	≻ Yes	{ } No			
Initial Test for Permit	l l	} Yes	N ¹⁰ 9			
Test after well rework	t t	} Yes	{>>>} No			
Well injection during	test? {	} Yes	{>>>} No	If Yes, rate:		bpd
Pre-test casing / tubing annu	lug pressure.	0.	/ /	901	•	
ric-test easing / tubing anin	inus pressure.	-0-	1	887	_ psig	
MIT DATA TABLE	Test #1		Test #2			
TUBING	PRESSURE				-	
Initial Pressure	T T	psigl		maio		
End of test pressure	882	psig psig		psig		
CASING / TUBING	ANNULUS		RESSURE	psig		
0 minutes	1		RESSURE			
5 minutes	1269.2			psig		
10 minutes	1267.0			psig		
15 minutes	1265.8	psig psig		psig		
20 minutes	1264.8	psig		psig psig		
25 minutes		psig		psig		
30 minutes	-	psig		psig		
minutes	-	psig		psig		
minutes		psig		psig	8	
RESULT {	Pass {	} Fail	{ } Pass		Fail	
Does the annulus pressure build b Additional comments for mechanic of test, reason for failing test (cas Signature of Witness:	ical integrity pressure ing head leak, tubing	{} Y e test, such as leak, other), e	volume of fluid a	≫} No added to annulus a	and bled ba	ck at end
Signature of Person Conducting T	est: Overthe	Unruh			•	

9, 5 yr. MIT)	
Federal 1-23-9-16 (8/22/2019,	8/22/2019 9:41:14 AN

Legend N89296	Absolute Pressure			-								8/22/2019 -06:00
												9:56:40 AM 8/22/2019 -06:00
												9:53:20 AM 8/22/2019 -06:00
												9:50:00 AM 8/22/2019 -06:00
												9:46:40 AM 8/22/2019 -06:00
												9:43:20 AM 9:43:20 AM 8/22/2019 -06:00
2000 1900 1900 1900	1700	1600 mhmhmh	1400	1300	isq) 910 110 110 110 110	losdA l 3 g minulanta	линани 00 02 Sd	600 1000 1000	500 400	200 300 200 100 100 100 100 100 100 100 100 100	0 00 00 00 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					
2. Sundry or legal documentation wa				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。					
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	cost bonding: A ge well(s) Appro	ies: Approve			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:									_			

	STATE OF UTAH			FORM 9
	DEPARTMENT OF NATURAL RE DIVISION OF OIL, GAS ANI			5. LEASE DESIGNATION AND SERIAL NUMBER
				see attached list
SUNDRY	NOTICES AND REPO	ORTS ON WELL	S	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
Do not use this form for proposals to drill n drill horizontal k	new wells, significantly deepen existing wells be aterals. Use APPLICATION FOR PERMIT TO I	elow current bottom-hole depth, DRILL form for such proposals.	reenter plugged wells, or to	7 UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	GAS WELL OTH	1ER		8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR:				9. API NUMBER:
Newfield Production Com	pany			attached
3. ADDRESS OF OPERATOR: 4 Waterway Square Place St _{CIT}	The Woodlands		HONE NUMBER: (435) 646-4936	10. FIELD AND POOL, OR WILDCAT: attached
4. LOCATION OF WELL				
FOOTAGES AT SURFACE:				COUNTY
QTR/QTR. SECTION, TOWNSHIP, RAN	IGE, MERIDIAN:			STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO IND	ICATE NATURE C	F NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	T		PE OF ACTION	
	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE T	REAT	SIDETRACK TO REPAIR WELL
Approximate date work will start	CASING REPAIR	NEW CONST	RUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS		HANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND A	BANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS		N (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMAT		ON OF WELL SITE	
	CONVERT WELL TYPE		E - DIFFERENT FORMATIO	OTHER
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly sho		of Newfield Prod	
This sundry is serve as no Inc. Attached is a list of a	all wells wells that will be ope	erated under Ovintiv	Production Inc e	
	all wells wells that will be ope NEV pany Ovin e Suite 100 4 W 30 The		ace Suite 100	
Inc. Attached is a list of a PREVIOUS NAME: Newfield Producion Com 4 Waterway Square Place The Woodlands, TX 7738	all wells wells that will be ope pany Ovin e Suite 100 4 W 30 The (435	erated under Ovintiv N NAME: htiv Production Inc. /aterway Square Pl Woodlands, TX 77	ace Suite 100 /380 Regulatory Ma	
Inc. Attached is a list of a PREVIOUS NAME: Newfield Producion Com 4 Waterway Square Plac The Woodlands, TX 7738 (435)646-4825	all wells wells that will be ope pany Ovin e Suite 100 4 W 30 The (435	erated under Ovintiv N NAME: htiv Production Inc. Vaterway Square Pl Woodlands, TX 77 5)646-4825	ace Suite 100 /380 Regulatory Ma	effective January 24, 2020.

STATE OF U		- 0			FORM 9
DEPARTMENT OF NATUR. DIVISION OF OIL, GAS	[E DESIGNATION AND SERIAL NUMBER		
SUNDRY NOTICES AND R	EPORTS (ON WELI	LS		DIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing drill horizontal laterals. Use APPLICATION FOR PER	wells below current MIT TO DRILL form	bottom-hole depti for such proposal	h, reenter plugged wells, or to s.		attached or CA AGREEMENT NAME:
		L NAME and NUMBER:			
2. NAME OF OPERATOR:	9. API NUMBER:				
Newfield Production Company	attac				
3. ADDRESS OF OPERATOR: 4 Waterway Square Place SL _{CITY} The Woodlands		LD AND POOL, OR WILDCAT:			
4. LOCATION OF WELL					
FOOTAGES AT SURFACE:				COUNT	Y
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:				STATE:	UTAH
11. CHECK APPROPRIATE BOXES TO	INDICATE	NATURE	OF NOTICE, REPOR	RT, OF	R OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
	Ľ	DEEPEN			REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	Γ.	FRACTURE	TREAT		SIDETRACK TO REPAIR WELL
Approximate date work will start.		NEW CONST			TEMPORARILY ABANDON
CHANGE TO PREVIOUS PL	ANS	OPERATOR			TUBING REPAIR
	L.				VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL STATUS			ON (START/RESUME)		WATER DISPOSAL WATER SHUT-OFF
Date of work completion:	FORMATIONS	-	ION OF WELL SITE		OTHER:
	Г. Г	_	TE - DIFFERENT FORMATION		UTHER.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Cle	arly show all perti	nent details inc	luding dates, depths, volume	s, etc.	
This sundry is serve as notification of the formal of Inc. Attached is a list of all wells wells that will be	corporate na	me change	e of Newfield Produc	tion C	
PREVIOUS NAME: Newfield Producion Company	NEW NAM				
4 Waterway Square Place Suite 100	4 Waterway	Square P	lace Suite 100		
The Woodlands, TX 77380	The Woodla (435)646-48		7380		
(435)646-4825	(433)040-40	525			
		TITL	Regulatory Mana	ger, R	Rockies
R R AACI		IIL			
SIGNATURE AND ALL SUMMOL		DAT	e <u>3/16/2020</u>	- 1	
(This space for State use only)					



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

I Name and	TRANSFER OF AU		API Number
ee attache			Atttached
cation of Well			Field or Unit Name
Footage :	,	County :	See Attached Lease Designation and Number
QQ, Section,	Township, Range:	State : UTAH	See Attached
FFECTIVE	DATE OF TRANSFER: 1/24/2020		
JRRENT OF	PERATOR		
0	Newfield Production Company		Shon McKinnon
Company:		Name:	RI Q ANIdI
Address:	4 Waterway Square Place, Suite 100	Signature:	
	city The Woodlands state TX zip 77380	Title:	Regulatory Manager, Rockies
Phone:	(435) 646-4825	Date:	3/18/2020
Comments	:		
WOPERA	TOR		
Company:	Ovintiv Production, Inc	Name:	Shon McKinnon
Address:	4 Waterway Square Place, Suite 100	Signature:	Shouth Sunno
	_{city} The Woodlands _{state} TX _{zip} 77380	Title:	Regulatory Manager, Rockies
Phone	(435) 646-4825	Date:	3/18/2020
Comments			
Somments	•		
is 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:		7/1/2021	1264.5								
FORMER OPERATOR:				NEW OPERATOR:							
Ovintiv Production, Inc.				Ovintiv USA, Inc.							
Groups: Greater Monument Butte		a far a P									
WELL INFORMATION:											
Well Name	API Number	Town I	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 & Sunda cost bonding: A ge well(s) Appro-	n the FO n the NE Number: PD on: ries: Approved	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				GB Fed 13-20-8-17 Canvasback Fed 1-22-8-17 B001834-B							
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:				107238142A 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	
TYPE OF SUBMISSION TYPE OF ACTION	
	REPERFORATE CURRENT FORMATION
Image: Notice of INTENT (Submit in Duplicate) Image: Notice of INTENT (Submit in Duplicate) Image: Notice of INTENT (Submit in Duplicate)	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 I 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 Julian Canter DATE 9/8/2021	
This space for State use only)	ROVED
Bv Ut	ah Division of
	as, and Mining
	ul Medina
	ucillacha



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

UIC FORM 5

	COL CAS & MENEME		
	TRANSFER OF AU	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
	hore		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	OR:					
Ovintiv USA, Inc.				Scout Energy Ma	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: <i>A</i> e well(s) Appro	n the FC n the NE Number PD on: ries: Approve	CW ope	rator on: Istin	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 1 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 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 sum 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 sum 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 sum 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 Lai	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 O 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 Lan State/Fee Bond #105189 BLM Bond #105073466	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380 Sizemore nd Innovation 977	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 Signature - Todd FI Managing Director State/Fee Bond #61 BLM Bond #612402	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 Wood ands, Texas 7 Signature - Christian C. S Director, Rockies and Lar State/Fee Bond #105189 BLM Bond #105073466	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380 Sizemore nd Innovation 977	RECOMPLETE - DIFFERENT FORMATION	nes, etc. on the attached exhibit from Ovint gement, LLC d, Suite 100
12. DESCRIBE PROPOSED OR O 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 Lan State/Fee Bond #105189 BLM Bond #105073466	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380 Sizemore nd Innovation 977	RECOMPLETE - DIFFERENT FORMATION	nes, etc. on the attached exhibit from Ovinti 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 Wood ands, Texas 7 Signature - Christian C. S Director, Rockies and Lar State/Fee Bond #105189 BLM Bond #105073466	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380 Sizemore nd Innovation 977	RECOMPLETE - DIFFERENT FORMATION	nes, etc. on the attached exhibit from Ovinti 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 State/Fee Bond #105189 BLM Bond #105073466	CONVERT WELL TYPE COMPLETED OPERATIONS. Clearly show all dry as notification of the transfer y Management, LLC effective Se : e, Suite 100 7380 Sizemore nd Innovation 977	RECOMPLETE - DIFFERENT FORMATION	nes, etc. on the attached exhibit from Ovinti gement, LLC d, Suite 100

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