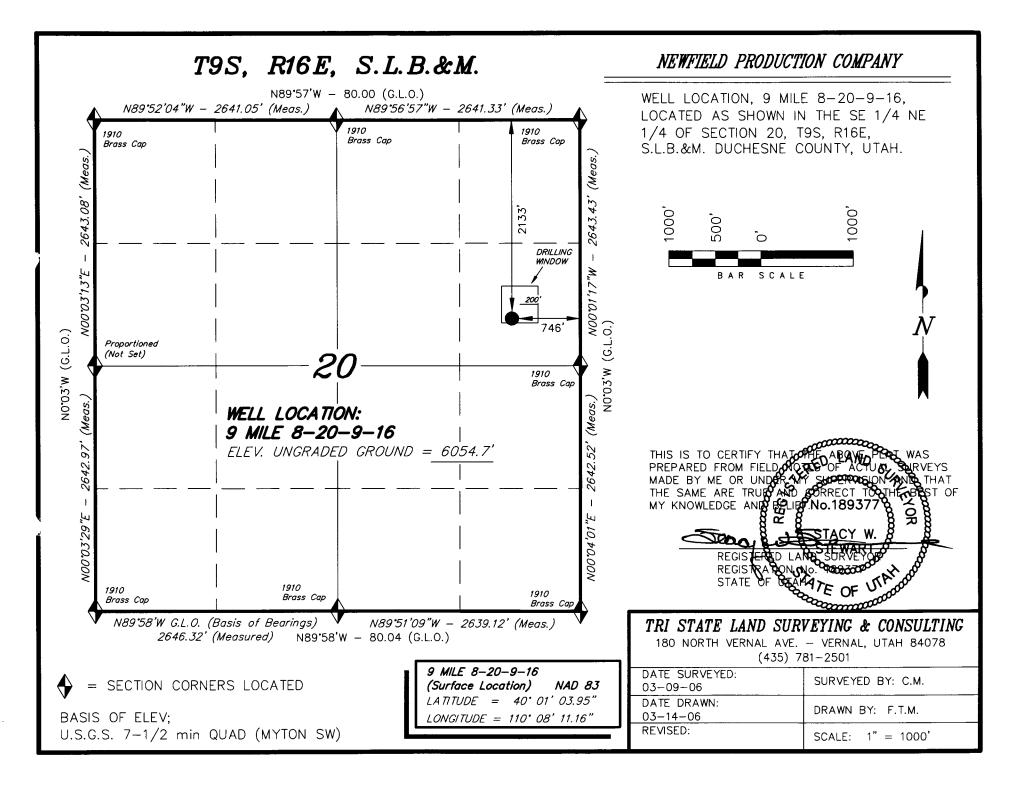
Form 3160-3 (September 2001)			OMB No	APPROVED 0. 1004-013 nuary 31, 20	5
UNITED STATES			5. Lease Serial No.	•	
DEPARTMENT OF THE IN BUREAU OF LAND MANAG	UTU-520				
			6. If Indian, Allotte		Name
APPLICATION FOR PERMIT TO DE			N//	4	
			7. If Unit or CA Agr		une and No.
la. Type of Work: 🖾 DRILL 🔲 REENTEI	R		N/A	· · ·	
			8. Lease Name and V	Well No.	
1b. Type of Well: 🖾 Oil Well 🖵 Gas Well 🛄 Other	🗳 Single Zone 🖵 Mul	ltiple Zone	Federal 8-2	0-9-16	
2. Name of Operator Newfield Production Company	· · · · · · · · · · · · · · · · · · ·		9. API Well No.	3013	-33107
3a. Address	3b. Phone No. (include area code)		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 At surface SE/NE 2133' FNL 746' FEL 57375 is		Ŷ	11. Sec., T., R., M., o		-
At proposed prod. zone 442987	11 -110.13574	12	SE/NE Sec. 2	20, T9S R	16E
14. Distance in miles and direction from nearest town or post office*	· · · · · · · · · · · · · · · · · · ·		12. County or Parish		13. State
Approximatley 14.7 miles southwest of Myton, Utah			Duchesne		UT
<ol> <li>Distance from proposed* location to nearest property or lease line, ft.</li> </ol>	16. No. of Acres in lease	17. Spaci	ng Unit dedicated to this	well	
(Also to nearest drig. unit line, if any) Approx. 507' f/lse, NA' f/unit	640.00		40 Acres		
<ol> <li>Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.</li> <li>Approx. 1250'</li> </ol>	19. Proposed Depth 5950'		1/BIA Bond No. on file UTB000192		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will s	start*	23. Estimated duration	on	
6055' GL	2nd Quarter 2006		Approximately seven (7) day	s from spud to r	ig release.
	24. Attachments				
The following, completed in accordance with the requirements of Onsho	ore Oil and Gas Order No.1, shall be	attached to th	is form:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	Item 20 above 5. Operator certif	). fication. te specific inf	ons unless covered by an formation and/or plans		
25. Signature	Name (Printed/Typed)			Date	
Title Regulatory Specialist	Mandie Crozier		,	<u>  3/2</u> ^	/06
Aphroved by Brature	Name (Printed/Typed)			Date	
	BRADLFY G HILL	I		\ N`<	-27-0(
	ENVIRONMENTAL MANAGE	- R			
Application approval does not warrant or certify the the applicant holds laperations thereon. Conditions of approval, if any, are attached.	legal or equitable title to those rights	in the subject	lease which would entit	le the appli	cant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it		and willfully	to make to any departm	ent or ager	ey of the United
States any false, fictitious or fraudulent statements or representations as t	to any matter within its jurisdiction.				
	to any matter within its jurisdiction.				

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Federal Approval of this Action is Necessary

MAR 2 3 2006





March 21, 2006

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

**RE**: Applications for Permit to Drill: Federal 7-20-9-16, 8-20-9-16, 10-20-9-16, 16-20-9-16, and 10-21-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed Federal 16-20-9-16 location is an Exception Location. 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

MAR 2 3 2006

DIV. OF OIL, GAS & MINING

## NEWFIELD PRODUCTION COMPANY FEDERAL #8-20-9-16 SE/NE SECTION 20, 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° – 2355'

 Green River
 2355'

 Wasatch
 5950'

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

Green River Formation 2355' - 5950' - Oil

#### 4. <u>PROPOSED CASING PROGRAM</u>

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 #8-20-9-16 SE/NE SECTION 20, 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 #8-20-9-16 located in the SE 1/4 NE 1/4 Section 20, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly – 10.9 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly – 2.0 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly – 0.2 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southeast; proceed southeast; proceed southeast; proceed southeast; proceed southeast along the proposed access road - 2,140<sup>2</sup>  $\pm$  to the proposed well location.

## 2. PLANNED ACCESS ROAD

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

#### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

#### 5. LOCATION AND TYPE OF WATER SUPPLY

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

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

#### 8. <u>ANCILLARY FACILITIES</u>

Please refer to the Monument Butte Field SOP.

#### 9. WELL SITE LAYOUT

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 #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #8-20-9-16 Newfield Production Company requests 2140' of disturbed area be granted in Lease UTU-52018 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 a 24" culvert required along the road entering the proposed location. 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 2140' of disturbed area be granted in Lease UTU-52018 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 buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map** "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

#### Water Disposal

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

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

#### Threatened, Endangered, And Other Sensitive Species

**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  $15^{th}$  (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 and August 15 and August 15 mile of any new construction or surface disturbing activities will be allowed between April 1 and August 15 mile and August 15 mile of any new construction or surface disturbing activities will be allowed between April 1 and August 15 mile radius of any active burrowing owl nest.

#### **Reserve Pit Liner**

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

#### Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass	Agropyron Cristatum	4 lbs/acre
Needle and Threadgrass	Stipa Comata	4 lbs/acre
Indian Ricegrass	Oryzopsis Hymenoides	4 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Federal #8-20-9-16 was on-sited on 1/25/06. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), Chris Carusona (Bureau of Land Management), Todd MaGrath (Bureau of Land Management), Brandon McDonald (Bureau of Landmanagement), and a SWCA Representative. Weather conditions were clear and ground cover was 50% open.

## 13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

#### <u>Representative</u>

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

#### **Certification**

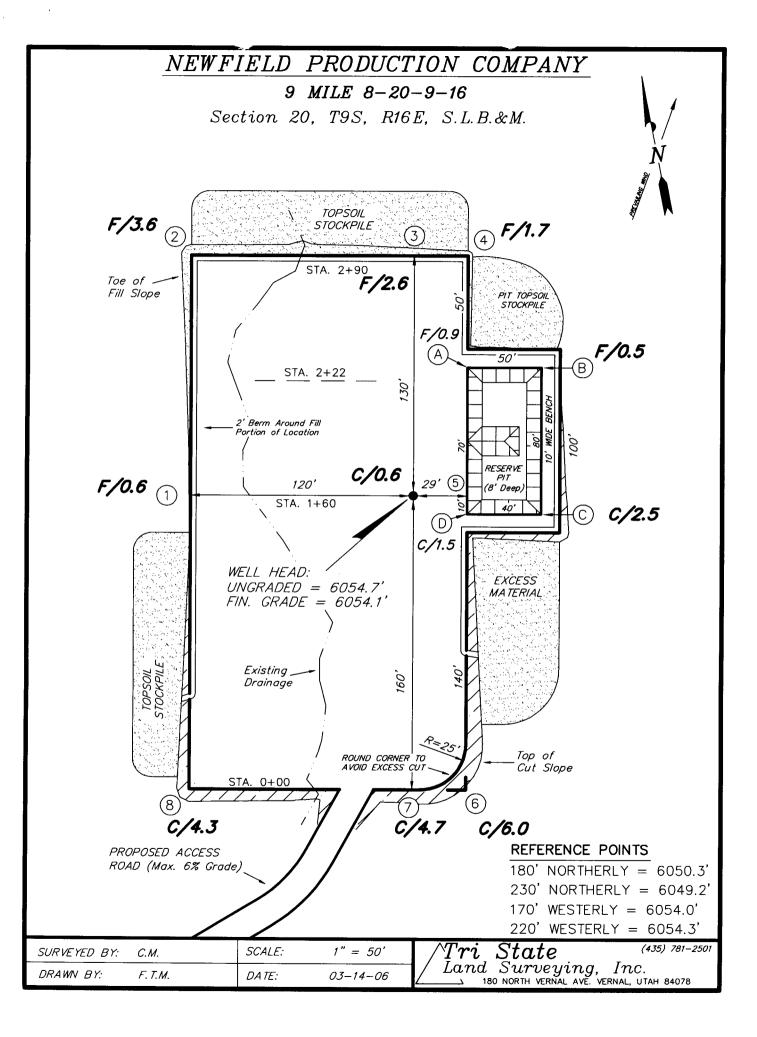
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-20-9-16 SE/NE Section 20, Township 9S, Range 16E: Lease UTU-52018 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

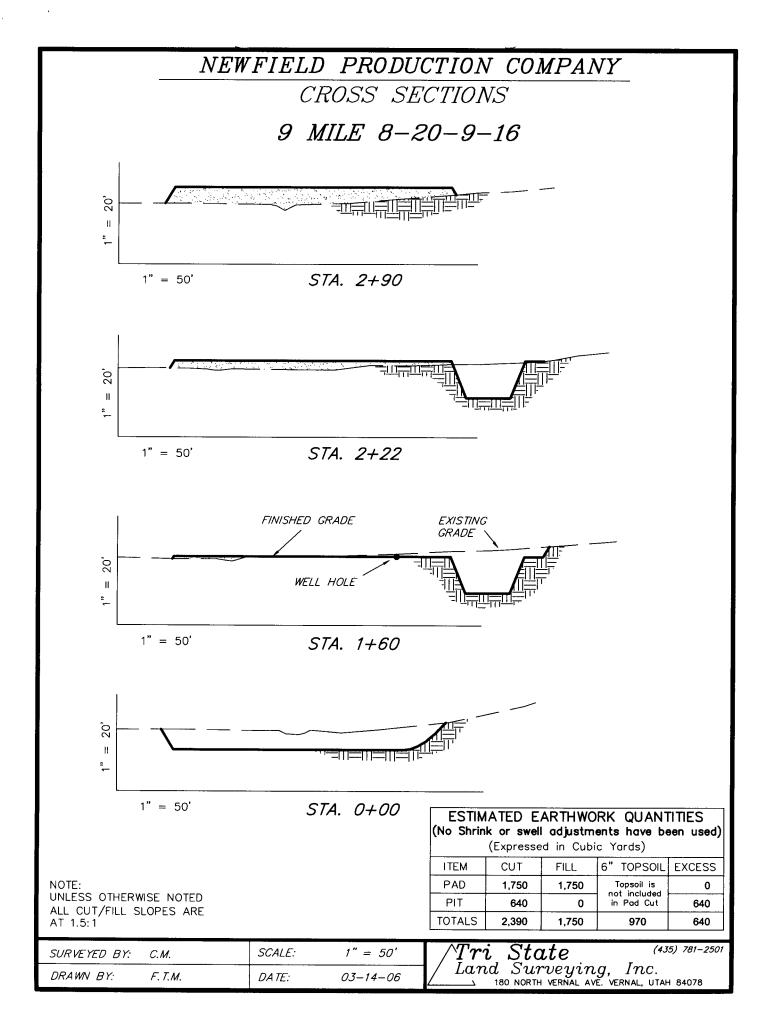
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be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

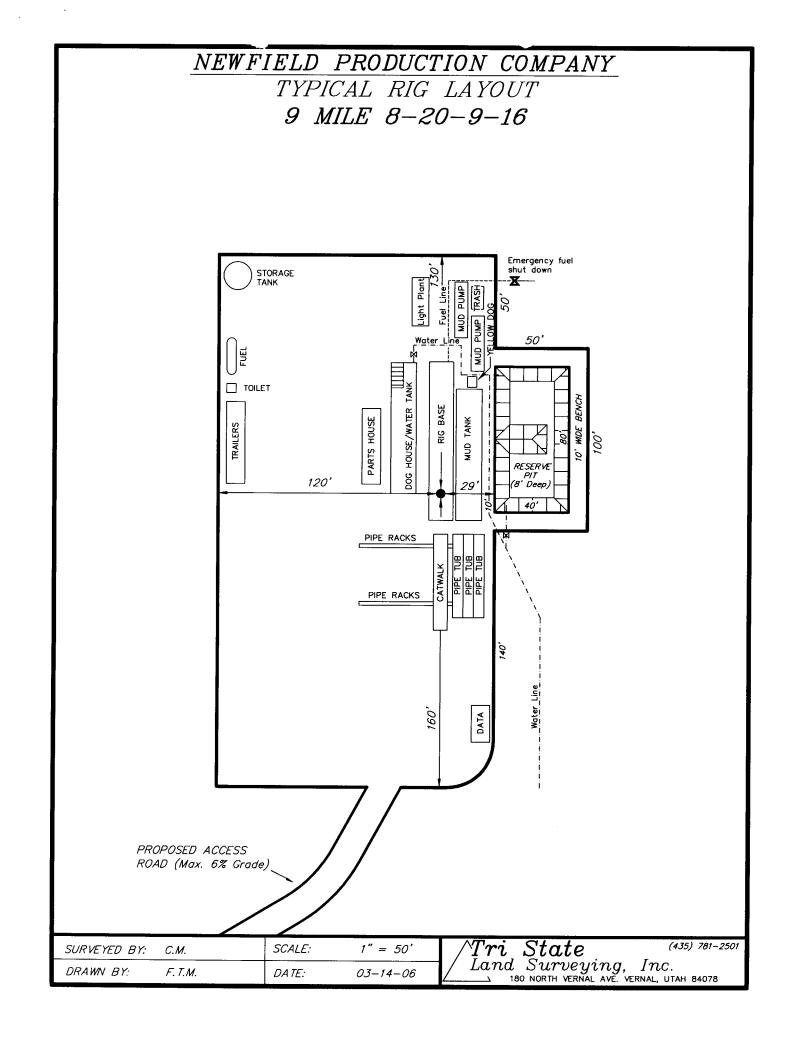
<u>3/21/06</u> Date

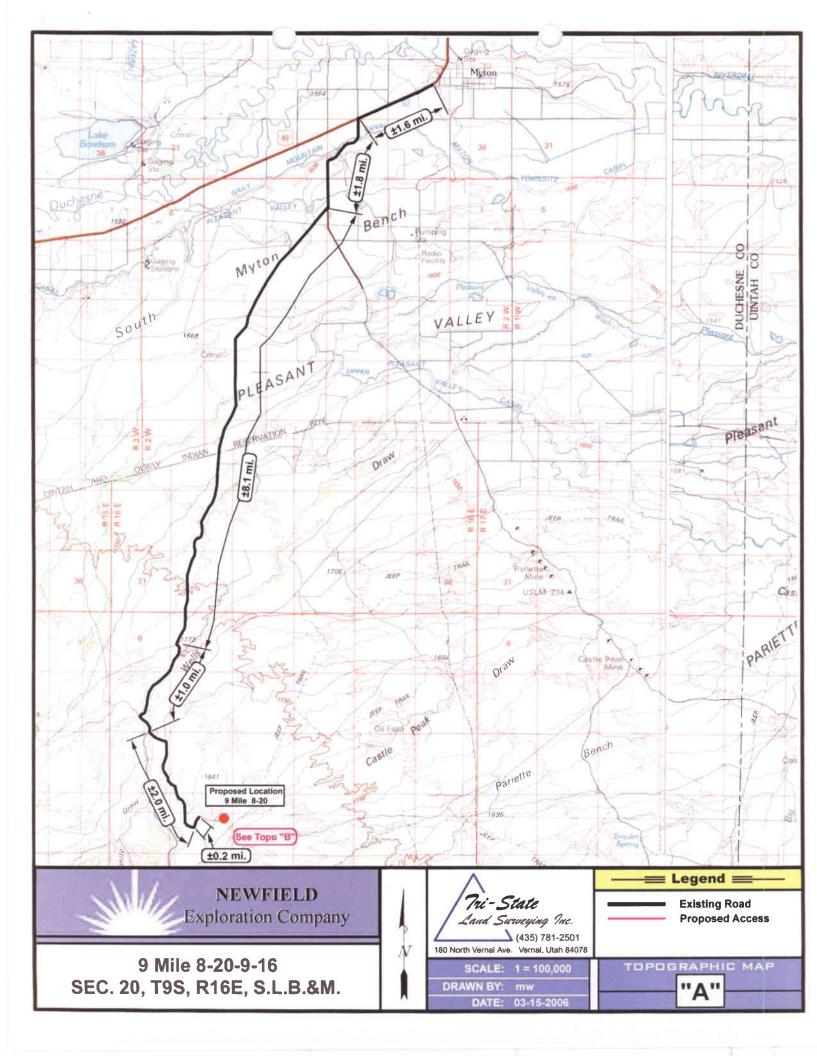
landy Mandie Crozier

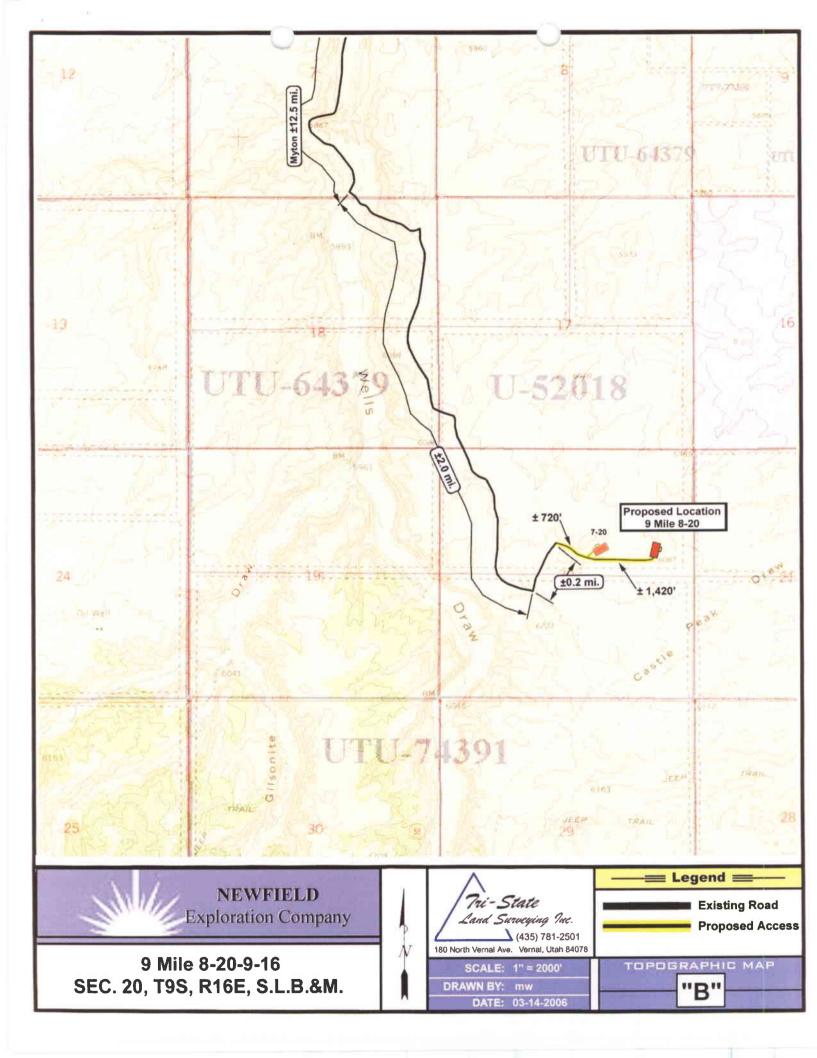
Regulatory Specialist Newfield Production Company

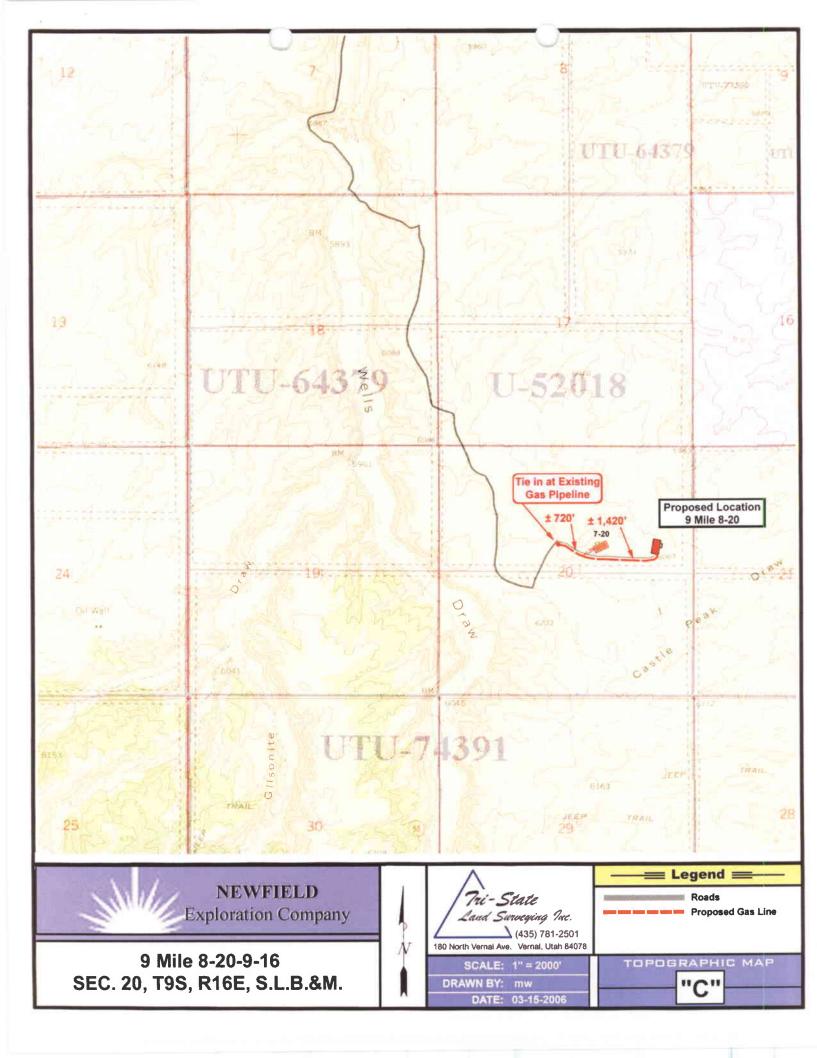




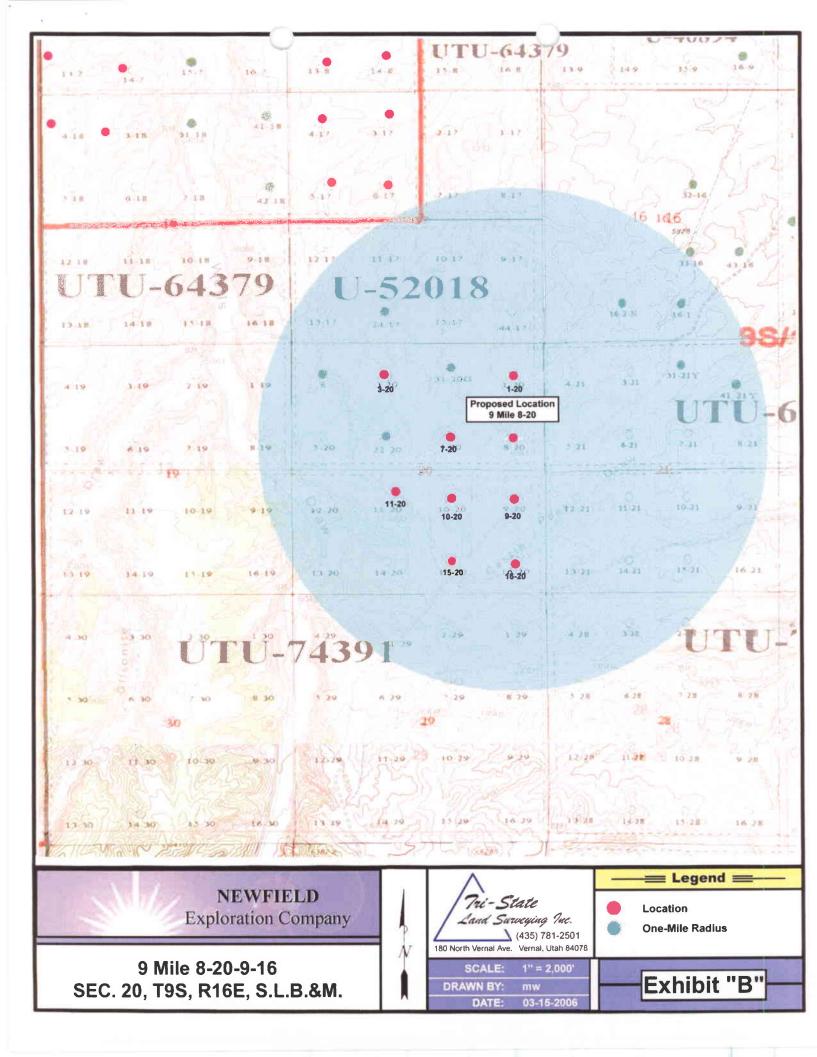








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2-M SYSTEM

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Blowout Prevention Equipment Systems

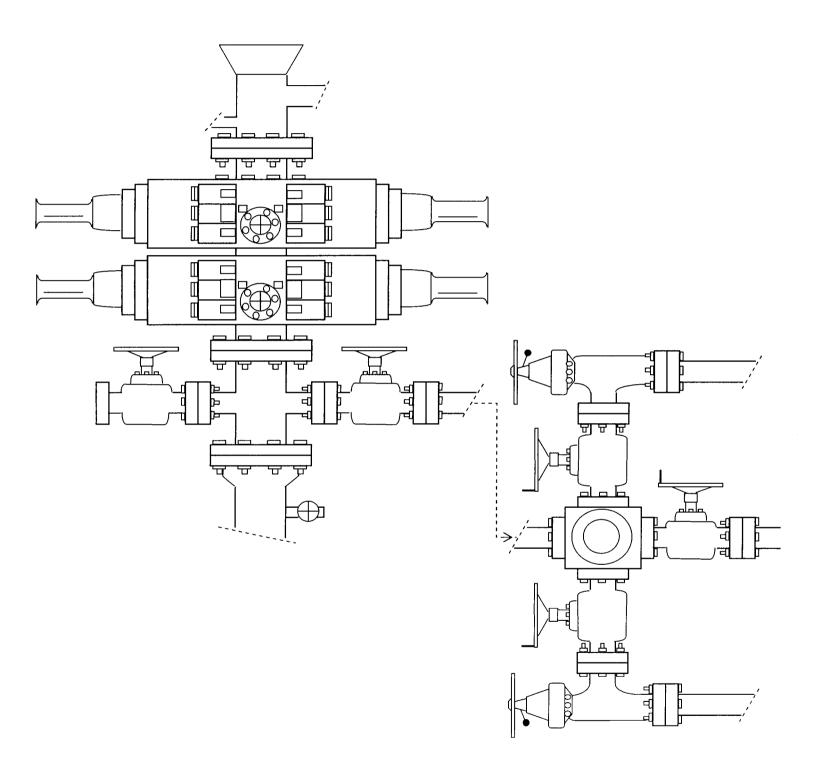


Exhibit "D" Page lof 2

## CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20, DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau fo Land Management Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 05-225

July 13, 2005

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

State of Utah Antiquities Project (Survey) Permit No. U-05-MQ-0668b

# Page 252

## NEWFIELD PRODUCTION COMPANY

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

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

## **REPORT OF SURVEY**

Prepared for:

## **Newfield Production Company**

Prepared by:

Wade E. Miller Consulting Paleontologist November 10, 2005

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/23/2006	API NO. ASSIGNED: 43-013-33107
WELL NAME: FEDERAL 8-20-9-16	
OPERATOR: NEWFIELD PRODUCTION ( N2695 )	PHONE NUMBER: 435-646-3721
CONTACT: MANDIE CROZIER	
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
SENE 20 090S 160E	Tech Review Initials Date
SURFACE: 2133 FNL 0746 FEL BOTTOM: 2133 FNL 0746 FEL	Engineering
COUNTY: DUCHESNE	Geology
LATITUDE: 40.01772 LONGITUDE: -110.1357	Curfage
UTM SURF EASTINGS: 573756 NORTHINGS: 44298 FIELD NAME: MONUMENT BUTTE (105	
LEASE NUMBER: UTU-52018 SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: GRRV COALBED METHANE WELL? NO
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:
Plat	R649-2-3.
Bond: Fed[1] Ind[] Sta[] Fee[]	Unit:
(NO. <u>UTB000192</u> )	✓ R649-3-2. General
N Potash (Y/N) N Oil Shale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qtr/Qtr & 920' Between Wel
$\checkmark$ Water Permit	R649-3-3. Exception
(NO. MUNICIPAL )	Drilling Unit
<u> </u>	Board Cause No:
(Date:)	Eff Date:
<u>Niv</u> Fee Surf Agreement (Y/N)	Siting:
$N_{\rm M}$ Intent to Commingle (Y/N)	R649-3-11. Directional Drill
COMMENTS:Sop, Seperate file	
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## 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

> > March 27, 2006

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

## Re: <u>Federal 8-20-9-16 Well, 2133' FNL, 746' FEL, SE NE, Sec. 20, T. 9 South,</u> R. 16 East, <u>Duchesne County, Utah</u>

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 43-013-33107.

Sincerely,

Still A-A-

Gil Hunt Associate Director

pab Enclosures

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

Operator:		Newfield Production Con	npany
Well Name & Number	· · · · · · · · · · · · · · · · · · ·	Federal 8-20-9-16	
API Number:		43-013-33107	
Lease:		UTU-52018	
Location: <u>SE NE</u>	Sec. <u>20</u>	<b>T.</b> <u>9 South</u>	<b>R.</b> <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.

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orm 3160-3			<b>C</b> <sup>1</sup>	FORM APPROV	1:1)	
September 2001)	c			OMB No. 1004-0 Expires January 31.	)136	
UNITED STATE: DEPARTMENT OF THE I				5. Lease Serial No.	· · · · · · · · · · · · · · · · · · ·	
BUREAU OF LAND MANA				UTU-52018 6. If Indian, Allottee or Tril	he Name	
APPLICATION FOR PERMIT TO D	RILL OR F			N/A		
la. Type of Work: A DRILL REENTE	ER			7. If Unit or CA Agreement. N/A	Name and No.	
1b. Type of Well: 🖾 Oil Well 📮 Gas Well 📮 Other	× 5	ingle Zone 📮 Multij	ole Zone	8. Lease Name and Well No Federal 8-20-9-16	. ·	
2. Name of Operator				9. API Well No.	77107	
Newfield Production Company 3a. Address	3b. Phone N	o. (include area code)		10. Field and Pool, or Explore		
Route #3 Box 3630, Myton UT 84052		5) 646-3721		Monument Butte	-	
4. Location of Well (Report location clearly and in accordance with	h any State requ	iirements.*)		11. Sec., T., R., M., or Blk. ar	nd Survey or Area	
At surface SE/NE 2133' FNL 746' FEL				SE/NE Sec. 20, T9S	8 R16E	
At proposed prod. zone						
<ol> <li>Distance in miles and direction from nearest town or post office* Approximatley 14.7 miles southwest of Myton, Utah</li> </ol>				12. County or Parish Duchesne	13. State	
5. Distance from proposed* location to nearest	16. No. of	Acres in lease	17. Spacir	ng Unit dedicated to this well		
property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 507' f/lse, NA' f/unit	6	40.00		40 Acres		
<ol> <li>Distance from proposed location* to nearest well, drilling, completed.</li> </ol>	19. Propos	ed Depth	20. BLM/	BIA Bond No. on file		
applied for, on this lease, ft. Approx. 1250	59	950'	UTB000192			
1. Elevations (Show whether DF, KDB, RT, GL, etc.)	i ('	cimate date work will sta	rt*	23. Estimated duration		
6055' GL		uarter 2006		Approximately seven (7) days from spuc	t to rig release.	
he following, completed in accordance with the requirements of Onsh		achments	buchad to the	is form:	······	
<ul> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).</li> </ul>		<ol> <li>Bond to cover the second second</li></ol>	he operatio ation. specific inf	ons unless covered by an existin formation and/or plans as may	-	
5. Signatura	Nam	e (Printed Typed)		Date		
W Landie sozier		ndie Crozier		1	/21/06	
itle Regulatory Specialist						
pproved hy (Signature)	Nam	e (Printed/Typed) <b>Terry Ker</b>		Date	<b>A b m c</b>	
ander & Mineral Resources	. Offi		red .	. 2.	8-2007	
pplication approval does not warrant or certify the the applicant holds perations thereon.	legal or equita	ble title to those rights in	the subject	lease which would entitle the ap FOVAL AT	plicant to conduct	
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make tates any false, fictitious or fraudulent statements or representations as	to any matter v	my person knowingly ar within its jurisdiction.				
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## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE 170 South 500 East VERNAL, UT 84078 (435) 781-4400



## **CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	Cell: 435-828-
Petroleum Engineer:	James Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
NRS/Environmental Scientist:	Scott Ackerman	Office: 435-781-4437	
NRS/Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
NRS/Environmental Scientist:	Jannice Cutler	Office: 435-781-3400	
NRS/Environmental Scientist:	Michael Cutler	Office: 435-781-3401	
NRS/Environmental Scientist:	Anna Figueroa	Office: 435-781-3407	
NRS/Environmental Scientist:	Melissa Hawk	Office: 435-781-4476	
NRS/Environmental Scientist:	Chuck Macdonald	Office: 435-781-4441	
NRS/Environmental Scientist:	Nathan Packer	Office: 435-781-3405	
NRS/Environmental Scientist:	Verlyn Pindell	Office: 435-781-3402	
NRS/Environmental Scientist:	Holly Villa	Office: 435-781-4404	
NRS/Environmental Scientist:	Darren Williams	Office: 435-781-4447	
NRS/Environmental Scientist:	Karl Wright	Office: 435-781-4484	
After Hours Contact Number: 435-	Fax: 435-781-4410		
	CONDUCTORS CITAT I	DE EUDNIQUED TO VOI	T D

## 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	-	Forty-Eight (48) hours prior to construction of location and access roads.
(Notify NRS)		
Location Completion	-	Prior to moving on the drilling rig.
(Notify NRS)		
Spud Notice	-	Twenty-Four (24) hours prior to spudding the well.
(Notify Petroleum Engineer)		
Casing String & Cementing	-	Twenty-Four (24) hours prior to running casing and cementing all casing
(Notify Supervisory Petroleum Te	chnic	ian)
BOP & Related Equipment Tests	-	Twenty-Four (24) hours prior to initiating pressure tests.
(Notify Supervisory Petroelum Te	chnic	ian)
First Production Notice	-	Within Five (5) business days after new well begins or production
(Notify Petroleum Engineer)		resumes after well has been off production for more than ninety (90)
		days.

## SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

## **STIPULATIONS:**

Lands in this lease have been identified as containing Golden eagle habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

There is a documented Golden Eagle nest located within 0.5 miles of the proposed location, not in lineof-site of the project area. With this occurrence there will be a timing restriction to protect the Golden Eagle nesting period from February 1- July 15.

Prairie dog burrows are also located within a hundred yards east of the proposed site. With this occurrence of the prairie dog burrows (burrowing owl habitat) there will also be a timing restriction from April 1- August 15.

## **CONDITIONS OF APPROVAL:**

- 1. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- 2. Avoid rocky outcrops.
- 3. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- 4. 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 three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- 5. The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- 6. 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.
- 7. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- 8. Pipelines will be buried at all major drainage crossings.
- 9. Prevent fill and stock piles from entering drainages.
- 10. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- 11. The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- 12. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.

- 13. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- 14. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- 15. The interim seed mix for this location shall be:

Indian Ricegrass (Oryzopsis hymenoides)	4 lbs/acre
Needle and Threadgrass (Stipa comata):	4 lbs/acre
Scarlet Globernallow (Sphaeralcea coccinea):	1 lb/acre
Winter Fat (Ceratoides lanata)	3 lbs/acre

- 16. All pounds are in pure live seed.
- 17. Rates are set for drill seeding; double the rate if broadcasting.
- 18. Reseeding may be required if initial seeding is not successful.
- 19. The operator will be responsible for treatment and control of invasive and noxious weeds.
- 20. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- 21. Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- 22. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- 23. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- 24. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- 25. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- 26. Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **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

1. None

## DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. 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.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

## 3. <u>Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours</u> in advance of casing cementing operations and BOPE & casing pressure tests.

4. 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.

- 5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- 6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

- 7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to a geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- 8. 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.
- 9. 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.

10. 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.

11. 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.

- 12. 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.
- 13. 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.
- 14. 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:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. 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).
  - f. 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.

- g. Unit agreement and / or participating area name and number, if applicable.
- h. Communitization agreement number, if applicable.
- 15. 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.
- 16. 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
- 17. 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.
- 18. 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.

	DEPARTME	epen or reentry	MENT S ON WELLS a different reservoir.	<b>U</b> 6. If I	Expires: Ma ase Designation TU-52018	au No. 1004-0135 urch 31, 1993 n and Serial No.
	SUBMIT IN	I TRIPLICA	TE	1	Unit or CA, Aj	greement Designation
	ias /ell Other			F) 9. AP	I Name and N EDERAL 8- I Well No.	20-9-16
2. Name of Operator NEWFIELD PROI	DUCTION COMPANY				3-013-331	U7 r Exploratory Area
3. Address and Telephone No.			·····			INT BUTTE
	ton Utah, 84052 435-6			11. Co	ounty or Parish	, State
4. Location of Well (Footage, Sec. 2133 FNL 746 FEL	, T., R., m., or Survey Description) SE/NE Section		E	D	UCHESN	IE COUNTY, UT.
		TO INDICATE	NATURE OF NOTICE, RE			ΓΑ
TYPE OF SL	IBMISSION		ТҮРЕ	OF ACTION	!	
s	otice of Intent ubsequent Report nal Abandonment Notice	Abandoo Recomp Plugging Casing I Altering X Other	letion g Back Repair		Water Shut Conversion Dispose Wa Report results of	ruction ee Fracturing •Off to Injection ater multiple completion on Well
13 Describe Proposed or Completed Or	erations (Clearly state all pertinent details	and give pertinent dates	s, including estimated date of starting any pro			etion Report and Log form.)
Newfield Produc	ons and measured and true vertical depthe tion Company reques as 3/27/06 (expiration	sts to extend 3/27/07).	the Permit to Drill this	s well for or	ne year.	The original
		Approv Utah I Oil, Gas	ved by the Division of and Mining			
	5-12-07 PM	Date: 0 By:	S-1707 VIIII			RECEIVED Mar 0 9 2007 Foil, gas & mining
14. I hereby certify that the forces	ng it true and correct	•				
Signed	and wy	<u>Len</u> Title	Regulatory Specialist		Date	3/5/2007
Mandie CC: UTAH DOGM	Crozier C	/			<u></u>	
(This space for Federal or Sta Approved by	ite office use)				Date	
Conditions of approval, if an CC: Utah DOGM	y:					

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: 43-013-33107 Well Name: Federal 8-20-9-16 Location: SE/NE Section 20, T9S R16E **Company Permit Issued to:** Newfield Production Company Date Original Permit Issued: 3/27/2006

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  $\Box$  No  $\Box$  (A)

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 Z

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes INO

Have there been any changes to the access route including ownership, or rightof-way, which could affect the proposed location? Yes□No 2

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 INO

Is bonding still in place, which covers this proposed well? Yes 2No

Date

3/5/2007

Title: Regulatory Specialist

Representing: Newfield Production Company

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DIV. OF OIL, GAS & MINING

## **DIVISION OF OIL, GAS AND MINING**

## SPUDDING INFORMATION

Name of Company: Newfield Pro	duction Company
Well Name: Federal 8-20-9-16	
API No <u>: <b>43-013-33107</b></u>	Lease Type: Federal
Section 20 Township 09S	Range <u>16E</u> County <b>Duchesne</b>
Drilling Contractor <u>NDSI</u>	Rig # <u>NS#1</u>
SPUDDED:	
Date <u>6-6-07</u>	
Time <u>12:00 PM</u>	
How_Dry	
Drilling will Commence:	
Reported by <u>Don Bastian</u>	
Telephone # 435-823-6012	······································
Date 6-6-07	SignedRM

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

## OPERATOR: NEWFIELD PRODUCTION COMPANY ADDRESS: RT. 3 BOX 3830

OPERATOR ACCT. NO.\_ N2

N2695

MYTON, UT 84052

ACTION	CURRENT	NEW	API NUMBER								
CODE	ENTRY NO.	ENTITY NO.		WELL NAME			WELL	LOCATION			
			1		00	<b>SC</b>	TP	RG	COUNTY	SPUD	EFFECTIVE
A	99999	16171	4301333024	FEDERAL 3-22-9-16	NENW	22	<b>9</b> 5	16E	DUCHESNE		DATE
ELL 1 Q	CHARLENTS:	RN						INC	DUCHESNE	5/31/2007	6/14/07
	$\bigcirc$	1.0									
CTION	CURRENT ENTITY NO.	NEW	APINUMBER	WELL NAME	<u> </u>						
	Enterin y ency.	ENTITY NO.			90		LLOCA			SPUD	EFFECTME
A	99 <b>99</b> 9	16172	4301332913	ASHLEY FEDERAL 16-26-9-15		вс 26	тр 95		COUNTY	DATE	DATE
	GRF	21/					<u></u>	15E	DUCHESNE	6/1/2007	6/14/0
CTION 200E	CURRENT	NEW	API NUMBER	WELL KANE							
	ENTITY NO.	ENTITY NO.	/					OCATION	1	SPUD	EFFECTIVE
<b>,</b> 1	<b>AAAAAA</b>	Г., <b>М</b>			90	<b>∞</b>	<u></u>	RG	COUNTY	DATE	CALCUNE
3	99999	12187	4301333263	HE FEDERAL L-26-8-16	NWSE	26	<b>8</b> S	16E	DUCHESNE	6/4/2007	(din).
	GRK	21/		HOWKEYE							<u> </u>
_	SM	-0		01	11 -		<b>—</b> .	<b>`</b>			
NOIT	CURRENT	NEW	API KUNDER		K=	NE	SU	)			
	ENTITY NO.	ENTITY NO.		WELL MAME	_		WELLL	CATION	T	SPUD	
	99999	16173	4301333107		00	SÇ	TP	NG	COUNTY	OATE	EFFECTIVE DATE
	GR	er er	430[33310/	FEDERAL 8-20-9-16	SENE	20	<b>9</b> 5	16E	DUCHESNE	6/5/2007	6/14/07
CTION											
ODE	ENRITY NO.	NEW ENTRY NO.	API NUMBER	WELL NAME			WELL	Nº 4 THOMAS			
						SC	1 97	RG	COUNTY	SPUD	EFFECTIVE
A	99999	16174	4301333106	FEDERAL 7-20-9-16	SWNE	20	95		DUCHESNE	6/6/2007	DATE
	GR	IEV .							BOOTALOTTE	0/0/2007	Q/14/P
TIDM	CURRENT	NEW	APINUMBER								
DE	ENTITY NO.	ENTITY NO.		WELL NAME			WELLIO	CATION		SPUD	
					00	80	9	RG	COUNTY	DATE	DATE
u 5 CO	INENTS:										
A-ine A-ine	XES (Gee Instructions on back w eality for new well (single w	of form)				·					
8- m	a manage a sign form of the									1/1	
C- lion	ane extring entir to another	a vieg Attelles ander							MAA MA.	1/ Aa	
0 - wel	freet one adulting unitiy to a n	www.enilly		RECEIV				-	Singline V	/ NR	Jentri Par
E - Mer	(explain in community satility)	)						-	1		
TE: Use C	CONVENT and its acquisite a	<b>.</b>	-	JUN 062	2002			عر	roduction Clerk		June le so
		nay 4627 Adligh Code	was selected		1007			-	/		Date
									-		

DIV. OF OIL, GAS & MINING

	UNITED STA DEPARTMENT OF TH BUREAU OF LAND MA	IE INTERIOR NAGEMENT		OM	ORM APPROVED 1B No. 1004-0135 res January 31,2004	
Do not use	Y NOTICES AND RE this form for proposal vell. Use Form 3160-3	PORTS ON WELLS s to drill or to re-enter an (APD) for such proposals	•	USA UTU-52018 6. If Indian, Allotte		
1. Type of Well	arrivati A.T.S. euno A.A.S.	Harter Bails on the other of the state of the state of th		7. If Unit or CA/Ag	greement, Name and/or	
	Other			8. Well Name and 1		
<ol> <li>Name of Operator NEWFIELD PRODUCTION C</li> </ol>	YON (DANIV			FEDERAL 8-2	0-9-16	
3a. Address Route 3 Box 3630	UMPANI	3b. Phone (include are	code)			
Myton, UT 84052		435.646.3721		10. Field and Pool, or Exploratory Area		
<ol> <li>Location of Well (Footage, 2133 FNL 746 FEL SENE Section 20 T9S R16E</li> </ol>	Sec., T., R., M., or Survey De	scription)		MONUMENT B	h, State	
	K APPROPRIATE BOX	X(ES) TO INIDICATE NA	TURE OF	DUCHESNE, UT		
TYPE OF SUBMISSION		TYPI	E OF ACTIO	N		
<ul> <li>Notice of Intent</li> <li>Subsequent Report</li> <li>Final Abandonment</li> </ul>	<ul> <li>Acidize</li> <li>Alter Casing</li> <li>Casing Repair</li> <li>Change Plans</li> <li>Convert to</li> </ul>	<ul> <li>Deepen</li> <li>Fracture Treat</li> <li>New Construction</li> <li>Plug &amp; Abandon</li> <li>Plug Back</li> </ul>	Reclam Recomp		Water Shut-Off Well Integrity Other Spud Notice	
Bond under which the work will be	or recomplete horizontally, give s e performed or provide the Bond N	t details, including estimated starting of ubsurface locations and measured and No. on file with BLM/BIA. Required s pletion or recompletion in a new interv	true vertical dep ubsequent report	ths of all pertinent markers is shall be filed within 30 d	s and zones. Attach the days following completion	

inspection.) On 6/5/07 MIRU NDSI NS # 1.Spud well @ 12:00 PM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313.80'/ KB On 6/7/07 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final

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JUN 1 1 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and	Title				
correct (Printed/ Typed) Troy Zufelt	Drillin	g Foreman			
Signature Albert 2 AB	Date 06/08/2	2007			
Approved by		Title		Date	
Conditions of approval, if any, are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject less 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 a States any false. fictitious and fraudulent statements or representations as to any matter statements or representations.	ny person knowir ter within its juris	ngly and willfully to ma diction	ake to any department	or agency of the United	

(Instructions on reverse)

## **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

8.5/8 CASING SET AT 313.8

LAST CASING 8 5/8" set @ 313.8	OPERATOR	Newfield Production Company
DATUM 12' KB	WELL	Federal 8-20-9-16
DATUM TO CUT OFF CASING	FIELD/PROSPECT	Monument Butte
DATUM TO BRADENHEAD FLANGE	<b>CONTRACTOR &amp; RIG</b>	# NDSI NS # 1
TD DRILLER 310 LOGGER		
HOLE SIZE 12 1/4		

LOG OF C	ASING STRI	NG:	· · · · · · · · · · · · · · · · · · ·						
PIECES OD ITEM - M			MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		Shoe	Joint 38.45'						
		WHI - 92 cs	g head				8rd	Α	0.95
7	8 5/8"	Maverick S	Maverick ST&C csg GUIDE shoe			J-55	8rd	A	301.95
							8rd	A	0.9
CASING IN	IVENTORY E	AL.	FEET	JTS	TOTAL LEN	GTH OF ST	RING		303.8
TOTAL LEI	NGTH OF ST	RING	303.8	7	LESS CUT O	OFF PIECE			2
LESS NON	CSG. ITEMS	3	1.85		PLUS DATU	м то т/си	T OFF CSG		12
PLUS FULL JTS. LEFT OUT			0		CASING SE	CASING SET DEPTH			
TOTAL			301.95	7	h				
TOTAL CSG. DEL. (W/O THRDS)			301.95						
TIMING			1ST STAGE						
BEGIN RUI	N CSG.	Spud	6/5/2007	12:00 PM	GOOD CIRC	THRU JOE	3	YES	·
CSG. IN HO	DLE		6/5/2007	5:00 PM	Bbls CMT CI	RC TO SUF	RFACE	4	
BEGIN CIR	с		6/7/2007	9:51 AM	RECIPROCA	TED PIPE	FOR	<u>N/A</u>	
BEGIN PUN	IP CMT		6/7/2007	10:06 AM			-		
BEGIN DSF	PL. CMT		6/7/2007	10:15 AM	BUMPED PL	UG TO	650		PSI
PLUG DOW	/N		6/7/2007	10:23 AM					
CEMENT U	SED			CEMENT CO	MPANY-	B. J.			
STAGE	# SX			CEMENT TYP	PE & ADDITIV	ES			
1	160	Class "G" w/	2% CaCL2 + 1	/4#/sk Cello-F	lake mixed @	15.8 ppg 1	.17 cf/sk yiek	<u>.</u>	
									÷.,
CENTRALIZ	ZER & SCRA	TCHER PLAC	EMENT			SHOW MAN		IG	· · · · · · · · · · · · · · · · · · ·
Centralizer	s - Middle fi	rst, top seco	nd & third for	3					

COMPANY REPRESENTATIVE Troy Zufeit DATE 6/7/2007

FORM 3160-5 (September 2001) [] SUNDR Do not use t abandoned w	FORM APPROVED OMB No. 1004-0135 Expires January 31,2004 5. Lease Serial No. USA UTU-52018 6. If Indian, Allottee or Tribe Name.				
1. Type of Well	RUMATE ARE OTHER IN	jinterions on asy sises) Secondary () (transf		7. If Unit or CA/A	greement, Name and/or
2. Name of Operator	Other	<u></u>		8. Well Name and FEDERAL 8-2	
NEWFIELD PRODUCTION CC 3a. Address Route 3 Box 3630 Myton, UT 84052	<u>OMPANY</u>	3b. Phone <i>(include are 435.646.3721</i>	code)	9. API Well No. 4301333107 10. Field and Pool.	or Exploratory Area
	Sec., T., R., M., or Survey Descr			MONUMENT E 11. County or Pari DUCHESNE, U	SUTTE sh, State
12. CHECK	K APPROPRIATE BOX(	ES) TO INIDICATE NA	TURE OF NO	OTICE, OR OT	HER DATA
TYPE OF SUBMISSION		TYP	E OF ACTION		. <u></u>
<ul> <li>Notice of Intent</li> <li>Subsequent Report</li> <li>Final Abandonment</li> </ul>	<ul> <li>Acidize</li> <li>Alter Casing</li> <li>Casing Repair</li> <li>Change Plans</li> <li>Convert to</li> </ul>	<ul> <li>Deepen</li> <li>Fracture Treat</li> <li>New Construction</li> <li>Plug &amp; Abandon</li> <li>Plug Back</li> </ul>	Reclamation	te ly Abandon	<ul> <li>Water Shut-Off</li> <li>Well Integrity</li> <li>Other</li> <li>Weekly Status Report</li> </ul>
Bond under which the work will be of the involved operations. If the op	peration (clearly state all pertinent de or recomplete horizontally, give subs performed or provide the Bond No. peration results in a multiple complet e filed only after all requirements, in	urface locations and measured and on file with BLM/BIA. Required s tion or recompletion in a new inter	true vertical depths subsequent reports sh val, a Form 3160-4 s	of all pertinent marker hall be filed within 30 hall be filed once testi	s and zones. Attach the days following completion ng has been completed.

inspection.) On 6/10/07 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notifed of test. PU BHA and tag cement @ 267'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6050'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5934' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of

cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 5:30 PM on 6/16/07.

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JUN 1 9 2007

### **DIV. OF OIL, GAS & MINING**

I hereby certify that the foregoing is true and correct (Printed/ Typed) Justin Crum	Title Drilling Forema	n			
Signature (ustin) hum	Date 06/17/2007				
A STATE OF A	DRAVISORSIT	MULTON HOURSDAR			
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	Office			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any personance of the section of the sectio	rson knowingly and w ithin its jurisdiction	illfully to make to any department	or agency of the United		

(Instructions on reverse)

### **NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

5 1/2" CASING S	ET AT <b>5934</b>
	Fit clir @ 5890.14
LAST CASING 8 5/8" Set @ 313.8	OPERATOR Newfield Production Company
DATUM 12' KB	WELL Federal 8-20-9-16
DATUM TO CUT OFF CASING 12'	FIELD/PROSPECT Monument Butte
DATUM TO BRADENHEAD FLANGE	CONTRACTOR & RIG # Patterson-UTI Rig # 155
TD DRILLER 5950' TD loggers	
HOLE SIZE 7 7/8"	

			ITEM - MAKE - DESCRIPTION			GRD	THREAD	CONDT	LENGTH
		Landing Jt	Landing Jt						14
		Short jt	5.58' @ 3946.	85'					
133	5 1/2"	ETC LT & C	casing		15.5#	J-55	8rd	Α	5876.1
									0.0
1	5 1/2"	ETC LT&C	csg		15.5#	J-55	8rd	A	44.6
			GUIDE	shoe			8rd	Α	0.6
ASING INVE	NTORY BA	AL.	FEET	JTS	TOTAL LEN	GTH OF ST	RING		5936.00
OTAL LENG	TH OF STF	RING	5936.00	134	LESS CUT C	OFF PIECE			1
ESS NON CS	SG. ITEMS		15.25		PLUS DATU	м то т/си	T OFF CSG		12
LUS FULL JT	rs. LEFT C	UT	203.32	5	CASING SE	T DEPTH			5934
Т	OTAL		6124.07	139	h				
OTAL CSG. [	DEL. (W/O	THRDS)	6124.07	139	} COMPAR	E			
IMING			1ST STAGE	2nd STAGE					
EGIN RUN C	SG.		6/15/2007	5:00 AM	GOOD CIRC 1	THRU JOB		Yes	
SG. IN HOLE	:		6/16/2007	10:00 AM	Bbls CMT CI	RC to surfa	ce	<b></b>	40
EGIN CIRC			6/16/2007	10:05 AM	RECIPROCA	ATED PIPE	FOR	THRUSTROK	E
EGIN PUMP	СМТ		6/16/2007	11:42 AM	DID BACK P	RES. VALV	'E HOLD ?	Yes	
EGIN DSPL.	СМТ		6/16/2007	12:42 PM	BUMPED PL	UG TO	1500		PSI
LUG DOWN			6/16/2007	1:04 AM					
EMENT USE	D			CEMENT CO	MPANY-	<u>B. J.</u>			
TAGE #	sx			CEMENT TYP	E & ADDITIV	'ES			<u> </u>
1	300	Premlite II w	/ 10% gel + 3 %	6 KCL, 5#'s /sl	< CSE + 2# sl	(kolseal + 1	1/4#'s/sk Cello	Flake	
		mixed @ 11.	.0 ppg W / 3.49	cf/sk yield					
2	425	50/50 poz W	// 2% Gel + 3%	KCL, .5%EC1	,1/4# sk C.F.	2% gel. 3%	SM mixed @	14.4 ppg W/ 1	1.24 YLD
ENTRALIZER	R & SCRAT	CHER PLAC	EMENT			SHOW MAI	KE & SPACIN	G	<u> </u>
entralizers -	Middle fir	st, top seco	nd & third. Th	en every thir	d collar for a	total of 20	l		

COMPANY REPRESENTATIVE Justin Crum

DATE <u>6/17/2007</u>

FORM 3160-5 (September 2001) D SUNDRY Do not use t abandoned w	FORM APPROVED OMB No. 1004-0135 Expires January 31,2004 5. Lease Serial No. USA UTU-52018 6. If Indian, Allottee or Tribe Name.				
St. Bours By 1. Type of Well	RIPORCO & CHICADA RIPORCO & CHICADA RIPORCO	etterten storressen (s. s) References References		7. If Unit or CA/A	Agreement, Name and/or
Oil Well Gas Well	Other			<ol> <li>Well Name and FEDERAL 8-</li> </ol>	
2. Name of Operator NEWFIELD PRODUCTION CO	MPANY			9 API Well No.	20-9-10
3a. Address Route 3 Box 3630		3b. Phone (include are	code)	4301333107	
Myton, UT 84052		435.646.3721		10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, 2	Sec., T., R., M., or Survey Descript	tion)		MONUMENT	
2133 FNL 746 FEL				11. County or Par	ish, State
SENE Section 20 T9S R16E				DUCHESNE, UT	
12. CHECK	APPROPRIATE BOX(ES	) TO INIDICATE NA	TURE OF NO	DTICE, OR OT	HER DATA
TYPE OF SUBMISSION		TYPE	OF ACTION		
<ul> <li>Notice of Intent</li> <li>Subsequent Report</li> <li>Final Abandonment</li> </ul>	<ul> <li>Acidize</li> <li>Alter Casing</li> <li>Casing Repair</li> <li>Change Plans</li> <li>Convert to</li> </ul>	<ul> <li>Deepen</li> <li>Fracture Treat</li> <li>New Construction</li> <li>Plug &amp; Abandon</li> <li>Plug Back</li> </ul>	Reclamation	e ly Abandon	Water Shut-Off Well Integrity Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereor. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced 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.

Accepted by the Uton Division of Oil, Gas and Mining FON RECORD ONLY

I hereby certify that the foregoing is true and correct ( <i>Printed</i> / <i>Typed</i> )	Title Regulatory Specialist			
Signature Kanthe Custin	Date 07/11/2007	Date		
	anoniment mest vegetti			
Approved by	Title	Date		
Conditions of approval, if any, are attached. Approval of this notice dot certify that the applicant holds legal or equitable title to those rights in the which would entitle the applicant to conduct operations thereon.	es not warrant or ne subject lease Office			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious and fraudulent statements or representations a	s to any matter within its jurisdiction			
(Instructions on reverse)	HE(	CEIVED		
	JUL	CEIVED 1 3 2007		

DIV. OF OIL, GAS & MINING

FORM 3160-4							st	UBMIT IN DUPL		FORM APPROVED	
(July 1992)			LINIT	TED S	тлт	50		(See other structions		OMB NO. 1004-01 Expires: February 2	
								reverse s	ide)	5. LEASE DESIGNATION	
7		DEPAR	-			LIN LET					-52018
										6. IF INDIAN, ALLOTTER	
WELL	COMF	PLETION	OR R	ECON	IPLE	TION H	REPORT A	ND LOG*			NA
1a. TYPE OF WORK		01								7. UNIT AGREEMENT N	AME
		OIL WELL	X	GAS WELL		DRY	Other			Fe	deral
1b. TYPE OF WELL	F				<b></b>		-			8. FARM OR LEASE NAM	ME, WELL NO.
	WORK OVER	DEEPEN		PLUG BACK		DIFF RESVR.	Other			Federal	8-20-9-16
2. NAME OF OPERATOR	A	No	ufield	Evolorof	tion C		-			9. WELL NO.	3-33107
3. ADDRESS AND TELEP	HONE NO.			-		Company				10. FIELD AND POOL OR	
		1401 17th									nent Butte
4. LOCATION OF WEI At Surface	LL (Report	locations clearly a 213	nd in accor 3' FNL &	rdance with 746' FEL	any State (SE/N	te requirement IE) Sec. 20	ts.*) 0, T9S, R16E			11. SEC., T., R., M., OR BI OR AREA	OCK AND SURVEY
At top prod. Interval rep	oorted below					,	.,				T9S, R16E
At total depth				14. API NO.			DATE ISSUED			12. COUNTY OR PARISH	13. STATE
				43	-013-3		0	3/27/07		Duchesne	υτ
15. DATE SPUDDED 06/05/07		D. REACHED	17. DA	TE COMPL.	(Ready to /09/07		18. ELEVATIONS (I 6055	DF, RKB, RT, GR, E1 5' GL	ГС.) <b>*</b>	6067' KB	19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD &		21. PLUG BAC	CK T.D., MD			2. IF MULTIPLE		23. INTERVALS		ARY TOOLS	CABLE TOOLS
5950'			5880'			HOW MANY	•	DRILLED BY		х	
24. PRODUCING INTERV	AL(S) OF T	HIS COMPLETION-		OM, NAME	(MD ANT	D TVD)*				^	25. WAS DIRECTIONAL
						r 4570-	5492'				SURVEY MADE
26. TYPE ELECTRIC AND	OTHER LO	GS RUN									27. WAS WELL CORED
<b>Dual Induction</b>	Guard,	SP, Compe	ensated						Ceme	ent Bond Log	No
23.				-			rt all strings set in v			MENTING RECORD	AMOUNT PULLED
CASING SIZE/C 8-5/8" - J	JRADE	WEIGHT		DEP	<u>тн set (</u> <b>314'</b>	MD)	HOLE SIZE			sx Class "G" cmt	AMOONT FOLLED
5-1/2" - J		15.			5934'	<u> </u> -	7-7/8"			d 425 sx 50/50 Poz	
· · · · · · · · · · · · · · · ·											
29.			ER RECO					30.		TUBING RECORD	
SIZE	1 1	TOP (MD)	BOTTO	OM (MD)	SACI	KS CEMENT*	SCREEN (MD)	size 2-7/8"	1	EOT @	TA @
								2-110		5547	5448'
31. PERFORATION REC	ORD (Interv	al, size and number	)				32.	ACID, SHOT,	FRACT	URE, CEMENT SQUE	EZE, ETC.
	ERVAL		S			/NUMBER		ERVAL (MD)		AMOUNT AND KIND OF	
	<u>`</u>	1) 5484'-5492'		19"		4/32	5484'-				and in 274 bbls fluid
		C) 5270'-5280'		19"	-	4/40	5270'-				and in 365 bbls fluid
(LODC) 5		6', 5129'-5138'		19"		4/84	5129'-		Frac w/ 95,147# 20/40 sand in 706		
	(LODO	C) 5055'-5074'		19"		4/76	5055'-			w/ 71,220 20/40 sa	
	(A	1) 4963'-4971'		19"		4/32	4963'				and in 492 bbls fluid
(C & D3) 4		9', 4656'-4663'		19"		4/48	4656'-				and in 376 bbls fluid
	(D	1) 4570'-4576'	.4	19"		4/24	4570'-	-4576'	Frac	w/ 42,080# 20/40 s	and in 356 bbls fluid
33.*					I	PRODUC	TION				
DATE FIRST PRODUCTION		PRODUCTIC				npingsize and	type of pump)				TATUS (Producing or shut-in)
07/09/0		UOLIDE TRETER		1/2" x 1- E SIZE	-1/2" 2		C RHAC SM F	GASMCF.		RBBL.	PRODUCING
DATE OF TEST		HOURS TESTED	Снок	II SIZE	TEST P	PERIOD			1		
10 day av		a . an i				>	GASMCF.	5	WATER	62	625 TY-API (CORR.)
FLOW. TUBING PRESS.		CASING PRESSUR		ULATED UR RATE		IL-BBL.	GASMCF.		WAIEK	JDL. UIL ORAVI	
				>		. <u> </u>					
34. DISPOSITION OF GAS	S (Sold, used	for fuel, vented, etc.)	Sold	& Used	for F	uel				RECEIVE	
35. LIST OF ATTACHME	NTS									JUL 2 7 200	)7
36. I hereby certify that	the gregoi	ng and attached ir	formation	is complete	and corr	rect as determ	ined from all availab	le records		0.000	MININGERIOCOT
SIGNED	<u> 1///</u>	MALL.	<u>a –</u>			TITLE	Pr	oduction Cle	erk D	V. OF OIL, GAS &	
Jentri I	Park	-04						D	<u></u>		JP
Title 18 U.S.C. Section 1002	akes it a crime 6	or any person knowingly	*( and willfully to	(See Instru make to any dem	ctions a artment or a	and Spaces f agency of the United	or Additional Data States any false, fictitious o	on Reverse Side r fraudulent statements or	) representation	ns as to any matter within its jurisd	liction.
		V	,	- <b>-</b>	-						

coveries); FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC.		то	P
				NAME	MEAS. DEPTH	TRUE VERT. DEPT
			Well Name Federal 8-20-9-16	Garden Gulch Mkr Garden Gulch 1	3594' 3787'	
				Garden Gulch 2	3892'	8
				Point 3 Mkr X Mkr	4136' 4396'	
				Y-Mkr Douglas Creek Mkr BiCarbonate Mkr	4429' 4540' 4772'	
				B Limestone Mkr Castle Peak Basal Carbonate	4863' 5444' 5882'	
				Total Depth (LOGGERS	5945'	
						: : :

۱,	STATE OF UTAH DEPARTMENT OF NATURAL R					
	5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-52018					
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for proposals to dr wells, or to drill horizont	7. UNIT of CA AGREEMENT NAME:					
1. TYPE OF WELL: OIL WELL				8. WELL NAME and NUMBER: FEDERAL 8-20-9-16		
2. NAME OF OPERATOR:				9. API NUMBER:		
NEWFIELD PRODUCTION CON	/PANY			4301333107		
3. ADDRESS OF OPERATOR:			PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:		
	TY Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE		
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2133 FNL	746 FEL			COUNTY: DUCHESNE		
OTR/OTR. SECTION. TOWNSHIP. RANGE	OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 20, T9S, R16E					
II. CHECK APPRO	PRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REF	PORT, OR OTHER DATA		
TYPE OF SUBMISSION		Т	PE OF ACTION			
		DEEPEN		<b>REPERFORATE CURRENT FORMATION</b>		
NOTICE OF INTENT (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		
X SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BAC	ĸ	WATER DISPOSAL		
(Submit Original Form Only)	CHANGE WELL STATUS		ON (START/STOP)	WATER SHUT-OFF		
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	 <b>RECLAMA</b>	TION OF WELL SITE	OTHER: - Weekly Status Report		
07/24/2007	CONVERT WELL TYPE		TE - DIFFERENT FORMATION			
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show a	all pertinent detai	ls including dates, depths	volumes, etc.		

The above subject well was completed on 07/09/07, attached is a daily completion status report.

-

NAME (PLEASE PRINT) Pentri Park	DATE 07/24/2007	
(This space for State use only)		RECEIVED

-

JUL 2 7 2007

DIV. OF OIL, GAS & MINING

### **Daily Activity Report**

Format For Sundry FEDERAL 8-20-9-16 5/1/2007 To 9/30/2007

### 6/29/2007 Day: 1

Completion

Completion

Rigless on 6/28/2007 - 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 @ 5861' & cement top @ 210'. Perforate stage #1. CP1 sds @ 5484-92' w/ 3 1/8" Slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 139 BWTR. SIFN.

### 7/2/2007 Day: 2

Rigless on 7/1/2007 - RU BJ Services. 5 psi on well. Frac CP1 sds w/ 15,470#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3882 psi. Treated w/ ave pressure of 2490 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2369 psi. Leave pressure on well. 413 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5270- 80' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 280 psi on well. Frac LODC sds w/ 29,548#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Broke @ 1855 psi. Treated w/ ave pressure of 2397 psi @ ave rate of 24.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2486 psi. Leave pressure on well. 778 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 9' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5164- 76', 5129-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. RU BJ Services. 990 psi on well. Frac LODC sds w/ 4,712#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 2942 psi. Blender broke down. Went to flush & over displaced treating fluid by 3 bbls. Will Refrac this zone in the morning. ISIP 2340 psi. Leave pressure on well. SIWFN w/ 1167 BWTR.

### 7/5/2007 Day: 3

#### Completion

Rigless on 7/4/2007 - RU BJ Services. 730 psi on well. Frac LODC sds w/ 95,147#'s of 20/40 sand in 706 bbls of Lightning 17 fluid. Re-broke @ 2538 psi. Treated w/ ave pressure of 2554 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2775 psi. Leave pressure on well. 1873 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 5110'. Perforate LODC sds @ 5055- 74' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. RU BJ Services. 700 psi on well. Frac LODC sds w/ 71,220#'s (Frac was designed for 130,000#'s) of 20/40 sand in 719 bbls of Lightning 17 fluid. Broke @ 2007 psi. Treated w/ ave pressure of 2372 psi @ ave rate of 24.3 BPM. Blender broke down in middle of frac. Was unable to get blender going. Bypassed blender & flushed sand away. ISIP 2680 psi. Leave pressure on well. 2592 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 8' perf gun. Set plug @ 5010'. Perforate A1 sds @ 4963-71' 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. Wait for BJ Services to swap out blender. RU BJ Services. 860 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ services. Frac A1 sds w/ 40,277#'s of 20/40 sand in 492 bbls of

1

Lightning 17 fluid. Broke @ 3979 psi. Had trouble getting crosslink (Pumped 92 bbls of fluid before getting crosslink). Treated w/ ave pressure of 2725 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2290 psi. Leave pressure on well. 3084 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 7' perf gun. Set plug @ 4810'. Perforate C sds @ 4704- 4709', D3 sds @ 4656- 4663' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ services. 25 psi on well. Brokedown C & D3 sds @ 2597 psi. Pumped a total of 141 bbls of fluid trying to get fluid to crosslink, Would not crosslink. Retested wtr in frac tanks, Tested good. Tested chemicals from Chem-add unit. Crosslinked a sample for hydration unit, Fluid crosslinked good. It was determined that fluid would not crosslink at the blender (Swapped out blender after Stage #4, Had trouble getting crosslink fluid on stage #5). Shut down for the day. BJ Services is going to look blender & chem-add unit to determine if they can find a problem. Leave pressure on well. 3225 BWTR. Will try to finish frac's on Thursday morning.

### 7/6/2007 Day: 4

Completion

Rigless on 7/5/2007 - RU BJ Services. 116 psi on well. Frac C & D3 sds w/ 29,723#'s of 20/40 sand in 376 bbls of Lightning 17 fluid. Re-broke @ 1400 psi (Initial break was 2597 psi). Treated w/ ave pressure of 1630 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1667 psi. Leave pressure on well. 3601 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4570- 76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. psi on well. Frac D1 sds w/ 42,080#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 2816 psi. Treated w/ ave pressure of 1829 psi @ ave rate of 24.4 BPM. ISIP 1875 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 2 1/2 hrs & died. Rec 141 BTF. MIRU NC #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged fill @ 4555'. RU Nabors power. Drill out plug @ 4610'. Circulate well clean w/ EOT @ 4637'. SIWFN w/ 3816 BWTR.

### 7/7/2007 Day: 5

NC #1 on 7/6/2007 - 6:30AM OWU, RIH W/-Tbg To Fill @ 4709', R/U Nabors Pwr Swvl, C/Out To Plg @ 4810', Drill Up Plg, Swvl I/Hle To Fill @ 4963', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5024', C/Out To Plg @ 5110', Drill Up Plg, Swvl I/Hle To Fill @ 5159', C/Out To Plg @ 5230', Drill Up Plg, Swvl I/Hle To Fill @ 5340', C/Out To Plg @ 5380', Drill Up Plg, Swvl I/Hle To Fill @ 5783', C/Out To PBTD @ 5880', Curc Well Clean 1 Hr, POOH W/-4 Jts Tbg EOB @ 5755', R/U Swab RIH IFL @ Surf, Made 13 Swab Runs, Recvred 155 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ 1800', SWI, 6:00PM C/SDFN. Well Gained 42 Bbls Wtr On C/Out To PBTD, Total Wtr Recvery For Day = 197 Bbls.

### 7/10/2007 Day: 6

NC #1 on 7/9/2007 - 6:30AM OWU, RIH W/-4 Jts Tbg To Fill @ 5878', R/U R/pmp & C/Out To PBTD @ 5880', Curc Well Clean, POOH W/-189 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x12x15' RHAC & Rod Production String Shown Below. Seat pmp, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM, 86'' SL, 5 SPM, (Final Report).

Completion

Completion

<b>`</b>	STATE OF UTAH DEPARTMENT OF NATURAL R					
	5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-52018					
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for proposals to dr	ill new wells, significantly deepen existing wells b al laterals. Use APPLICATION FOR PERMIT TO	elow current bottom. O DRILL form for su	hole depth, reenter plugged ch proposals.	7. UNIT or CA AGREEMENT NAME:		
			••••••••••••••••••••••••••••••••••••••	8. WELL NAME and NUMBER:		
OIL WELL	GAS WELL OTHER			FEDERAL 7-20-9-16		
2. NAME OF OPERATOR:				9. API NUMBER:		
NEWFIELD PRODUCTION CON	<u>1PANY</u>		T	4301333106		
3. ADDRESS OF OPERATOR:			PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:		
	TY Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE		
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2098 FNL	1041 EEI			COUNTY: DUCHESNE		
FOOTAGES AT SURFACE: 2098 FINL	1901 FEL					
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 20, T9S, R16E STATE: UT						
	5 ( ( L, 20, 1) ), ( ( ) 2					
II. CHECK APPRO	PRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REP			
11. CHECK APPRO TYPE OF SUBMISSION			OF NOTICE, REP PE OF ACTION			
TYPE OF SUBMISSION						
	PRIATE BOXES TO INDICAT	T	PE OF ACTION	ORT, OR OTHER DATA		
TYPE OF SUBMISSION	PRIATE BOXES TO INDICAT	TY DEEPEN	PE OF ACTION	ORT, OR OTHER DATA		
TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate)	PRIATE BOXES TO INDICAT	TY DEEPEN FRACTURE	TPE OF ACTION	ORT, OR OTHER DATA		
TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate)	PRIATE BOXES TO INDICAT	TY DEEPEN FRACTURE NEW CONST	TPE OF ACTION TREAT TRUCTION CHANGE	ORT, OR OTHER DATA		
TYPE OF SUBMISSION           NOTICE OF INTENT (Submit in Duplicate)           Approximate date work will	PRIATE BOXES TO INDICAT	TY DEEPEN FRACTURE NEW CONST OPERATOR	TPE OF ACTION TREAT TRUCTION CHANGE ABANDON	ORT, OR OTHER DATA  REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARITLY ABANDON TUBING REPAIR		
TYPE OF SUBMISSION           NOTICE OF INTENT (Submit in Duplicate)           Approximate date work will	PRIATE BOXES TO INDICAT  ACIDIZE  ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING	TY DEEPEN FRACTURE FRACTURE OPERATOR PLUG AND PLUG BACE	TPE OF ACTION TREAT TRUCTION CHANGE ABANDON	ORT, OR OTHER DATA   REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL  TEMPORARITLY ABANDON  TUBING REPAIR VENT OR FLAIR		
TYPE OF SUBMISSION         Image: Notice of Intent (Submit in Duplicate)         Approximate date work will         Image: Subsequent Report	PRIATE BOXES TO INDICAT	TY DEEPEN FRACTURE NEW CONST OPERATOR PLUG AND PLUG BACK PRODUCTION	TREAT TRUCTION CHANGE ABANDON	ORT, OR OTHER DATA  REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARITLY ABANDON TUBING REPAIR VENT OR FLAIR WATER DISPOSAL		
TYPE OF SUBMISSION         Image: Notice of Intent (Submit in Duplicate)         Approximate date work will         Image: Subsequent Report (Submit Original Form Only)	PRIATE BOXES TO INDICAT ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS	TY DEEPEN FRACTURE FRACTURE FRACTURE OPERATOR PLUG AND PLUG BACE PRODUCTIC	TREAT TRUCTION CHANGE ABANDON C	ORT, OR OTHER DATA  REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARITLY ABANDON TUBING REPAIR VENT OR FLAIR WATER DISPOSAL WATER SHUT-OFF		

The above subject well was completed on 07/12/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park	TITLE Production Clerk
signature	DATE07/31/2007
(This space for State use only)	RECEIVED
	AUG. 0 7 2007

1

DIV. OF OIL, GAS & MINING

### **Daily Activity Report**

Format For Sundry FEDERAL 7-20-9-16 5/1/2007 To 9/30/2007

### 7/3/2007 Day: 1

Rigless on 7/2/2007 - nstall 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5847' & cement top @ 48'. Perforate stage #1, LODC sds @ 5279-90' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120°) w/ 4 spf for total of 44 shots. 140 bbls EWTR. SIFN.

### 7/10/2007 Day: 2

Rigless on 7/9/2007 - Stage #1, LODC sds RU BJ Services. 10 psi on well. Frac LODC sds w/ 29,554#'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Broke @ 2750 psi. Treated w/ ave pressure of 1987 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2284 psi. Leave pressure on well. 370 BWTR. Stage #2, LODC sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' perf gun. Set plug @ 5140'. Perforate LODC sds @ 5030-38' 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. RU BJ Services. 1930 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. 1740 psi on well Frac LODC sds w/ 24,274#'s of 20/40 sand in 368 bbls of Lightning 17 fluid. Broke @ 2156 psi. Treated w/ ave pressure of 2044 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2143 psi. Leave pressure on well. 368 BWTR. Stage #3, A3 sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 11' perf gun. Set plug @ 5010'. Perforate A3 sds @ 4946-57' 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. 89 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. 76 psi on well Frac A3 sds w/ 40,017#'s of 20/40 sand in 427 bbls of Lightning 17 fluid. Broke @ 2935 psi. Treated w/ ave pressure of 1862 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2238 psi. Leave pressure on well. 427 BWTR. Stage #4, D3 sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 13' perf gun. Set plug @ 4770'. Perforate D3 sds @ 4655-68' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 52 shots. RU BJ Services. 1600 psi on well. Frac D3 sds w/ 48,763#'s of 20/40 sand in 450 bbls of Lightning 17 fluid. Broke @ 4031 psi. Treated w/ ave pressure of 1737 psi @ ave rate of 24.8 BPM. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 3 hrs. & died. Recovered 160 bbls water. MIRU NC #1. SWIFN.

### 7/11/2007 Day: 3

### Completion

NC #1 on 7/10/2007 - 6:30AM OWU, N/D 10,000 BOP & Frac Finge, N/U 3,000 Finge & 5,000 BOP, P/U & RIH W/-4 3/4 Bit, Bit Sub & 151 Jts Tbg To Plg @ 4770', Drill Up Plg, Swvl I/Hle To Fill @ 4939', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5087', C/Out To Plg @ 5140', Drill Up Plg, Swvl I/Hle To Fill @ 5722', C/Out To PBTD @ 5879', Curc Well Clean, 30 Min, R/D Swvl, POOH W/-4 Jts Tbg EOB @ 5751', 6:30PM C/SDFN. Lost 22 Bbls Wtr For Day.

7/12/2007 Day: 4

Completion

1

### Completion

Completion

NC #1 on 7/11/2007 - 6:30AM OWU, R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs Recvred 165 Bbls Wtr, Lite Trce Oil, Lite Trce Sand FFL @ 1900', R/D Swab, RIH W/-4 Jts Tbg To Fill @ 5873', 6' Of New Fill, R/U R/pmp & C/Out To PBTD @ 5879', Curc Well Clean, POOH W/-188 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 2 Jts Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 166 Jts Tbg, SWI, 6:00PM C/SDFN, 6:00PM. Lost 51 Bbls Wtr On C/Out To PBTD, Recvred 165 Bbls Wtr Swabbing, Total Recvery For Day = 114 Bbls.

### 7/13/2007 Day: 5

### Completion

NC #1 on 7/12/2007 - 6:30AM OWU, N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD, R/U R / pmp & Flsh Tbg W/-60 Bbls Wtr, P/U & RIH W/-CDI-2 1/2x1 1/2x12x16' RHAC & ROD String Shown Below. Seat pmp, R/U Unit, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig, POP @ 1:30PM, 85'' SL, 5 SPM, (Final Report).

**Pertinent Files:** Go to File List

DI SUNDRY Do not use this form for propo	//PANY	INING ON WI y deepen contal later	existing wells below	<ul> <li>5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018</li> <li>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</li> <li>7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)</li> <li>8. WELL NAME and NUMBER: FEDERAL 8-20-9-16</li> <li>9. API NUMBER: 43013331070000</li> </ul>
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Rt 3 Box 3630, Myton, UT, 8 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2133 FNL 0746 FEL	34052 435 646-482		NUMBER:	
FOOTAGES AT SURFACE: 2133 FNL 0746 FEL				9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
				COUNTY: DUCHESNE
	<b>P, RANGE, MERIDIAN:</b> Township: 09.0S Range: 16.0E Merio	idian: S		STATE: UTAH
11. CHECK	APPROPRIATE BOXES TO INDICA	ATE NATU	URE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
□ NOTICE OF INTENT Approximate date work will start:	ACIDIZE     CHANGE TO PREVIOUS PLANS     CHANGE WELL STATUS		R CASING IGE TUBING MINGLE PRODUCING FORMATIONS	CASING REPAIR CHANGE WELL NAME
SUBSEQUENT REPORT Date of Work Completion: 7/9/2014	DEEPEN OPERATOR CHANGE		TURE TREAT	NEW CONSTRUCTION     PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME     REPERFORATE CURRENT FORMATION		AMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION     TEMPORARY ABANDON
DRILLING REPORT Report Date:	U TUBING REPAIR U WATER SHUTOFF		OR FLARE	WATER DISPOSAL
	WILDCAT WELL DETERMINATION			OTHER:
	OMPLETED OPERATIONS. Clearly show ence well was put on injec 07/09/2014			epths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR
NAME (PLEASE PRINT) Lucy Chavez-Naupoto SIGNATURE	<b>PHONE NUM</b> 435 646-4874	W	TLE Vater Services Technician	



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-415

- **Operator:** Newfield Production Company
- Well: Federal 8-20-9-16
- Location: Section 20, Township 9 South, Range 16 East
- County: Duchesne
- **API No.:** 43-013-33107
- Well Type: Enhanced Recovery (waterflood)

### **Stipulations of Permit Approval**

- 1. Approval for conversion to Injection Well issued on March 19, 2014.
- 2. Maximum Allowable Injection Pressure: 1,670 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (3,893' 5,880')
- 5. Any subsequent wells drilled within a <sup>1</sup>/<sub>2</sub> 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: Rogers

JR/MLR/js

SITLA

Duchesne County Well File

OIL. GAS & MINING

beciate Director

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal

Newfield Production Company, Myton

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

Jill Loyle, Newfield Production Company, Denver



## 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

March 19, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 8-20-9-16, Section 20, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33107

Ladies and 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:

- 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 3,893 feet in the Federal 8-20-9-16 well.

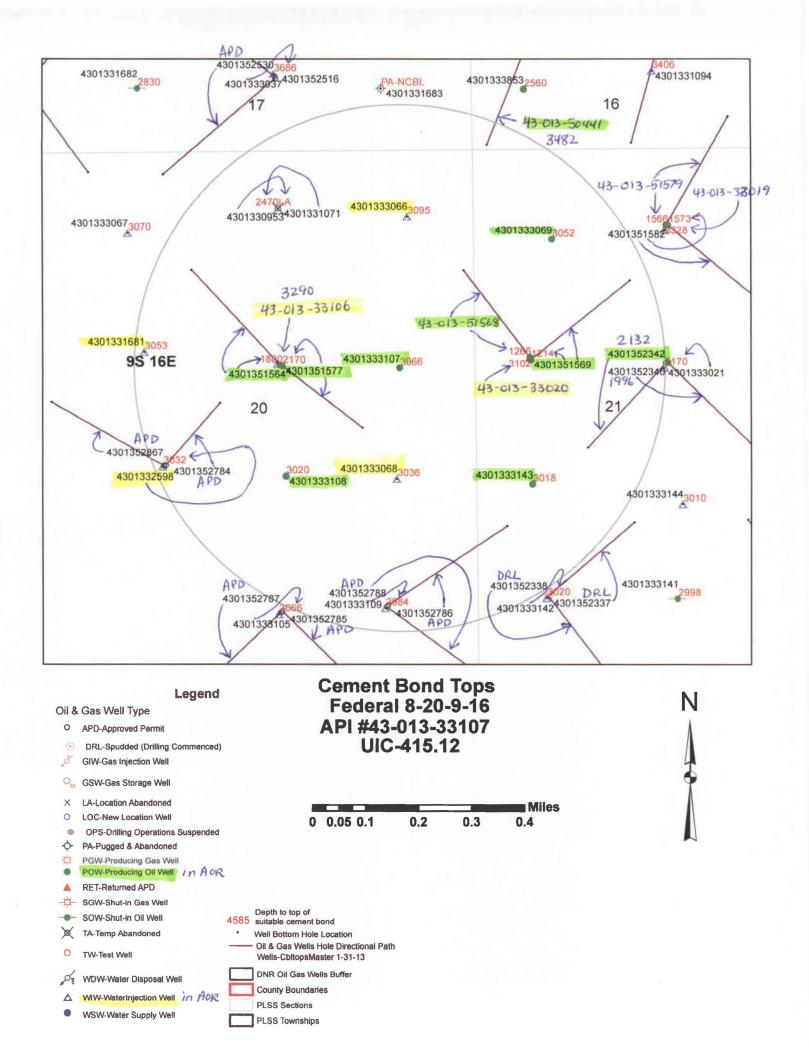
A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely ohn Rogers Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal SITLA Duchesne County Newfield Production Company, Myton Well File N:\O&G Reviewed Docs\ChronFile\UIC





### 4770 S. 5600 W. P.O. BOX 704005 WEST VALLEY CITY, UTAIL84170 FED.TAX 1.D.# 87-0217663 801-204-6910

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### The SaltLake Tribune



01-204-6910	PROOF OF PUBLIC	CATION	CUSTOM	ER'S COPY
	CUSTOMER NAME AND ADDRES	S	ACCOUNT NUMBER	DATE
	DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801		9001202352 BEFORE THE DIVISION OF OIL GAS AN DEPAILTMENT OF NATURAL RESOL STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE N	O. UIC-415
	SALT LAKE CITY, UT 84114		IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUR WELLS.	TY, UTAH, AS CLASS II INJECTION
	ACCOUNT	NAME	THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABO	ove entitled matter.
	DIV OF OIL-GAS	& MINING,	Notice is hereby given that the Division of Oh, Gas and Min an Informal adjudicative proceeding to consider the applica- pany, 1001 17th Street, Suite 2000, Denver, Colorado 6 for administrative approval of the following wells located version to Class II injection wells:	allon of NewHeld Production Com- 10202, telephone 303-893-0102, in Duchesne County, Utah, for con-
	TELEPHONE	ADORDER	Greater Monument Butte Unit: State 2-16-9-16 well located in NW/4 NE/4, Section 16, T API 43-013-33846 State 13-16-9-16 well located in SW/4 SW/4, Section East	
	8015385340	0000927358	API 43-013-33853 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, API 43-013-30650 Federal 10-17-9-16 well located in NW/4 SE/4, Section	
	SCHEDU	ILE	East API 43-013-33033 Federal 12-17-9-16 well located in NW/4 SW/4, Sector	17, Township 9 South, Range 16
	Start 12/13/2013	End 12/13/	Cast         API 43-013-33035           API 43-013-33035         Federal 16-18-9-16 well located in SE/4 SE/4, Section           Cast         API 43-013-32922           Federal 2-19-9-16 well located in NW/4 NE/4, Section	
	CUST. REF	F. NO.	East 42 01 2 22062	
	Newfield Cause UI	C-415	Federal 6-19-9-16 well located in SE/4 NW/4, Section East	
	CAPTIC	M	API 43-013-33100 Federal 12-19-9-16 well located in NW/4 SW/4, Section East API 43-013-33102	
1.000	Chi He		Federal 14-19-9-16 well located in SE/4 SW/4, Section East API 43-013-33161	
В	EFORE THE DIVISION OF OIL, GAS AND MINI	NG DEPARTM		
100	SIZE		Pederoi 8-20-9-16 well located in SE/4 NE/4, Section 20, API 43-013-33107 Federoi 3-21-9-16 well located in NE/4 NW/4, Section	
	94 Lines	3.00	East API 43-013-33019 Federal 4-21-9-16 well located in NW/4 NW/4, Section East	
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	3		API 43-013-33003 Costle Peak Federal 6-23 well located in SE/4 NW/4, Su 16 East	ection 23, Township 9 South, Range
	MISC. CHARGES		Federal 8-23-9-16 well located in SE/4 NE/4, Section 23 API 43-013-32961 Federal 14-24-9-16 well located in SE/4 SW/4, Section	
			East API 43-013-33343	
	RECEIVED		The proceeding will be conducted in accordance with UP Procedures.	
	DEC 2 0 2013	State State	Selected zones in the Green River Formation will be used requested injection pressures and rates will be determine mailion submitted by Newfield Production Company.	a pasea on tradure gradient mor
		/IT OF PUBLICATIC		the Division within fifteen days fol Officer for the proceeding is Bro- City, UT 84114-5801, phone name revention is received, a hearting will a administrative procedural rules
AS NEWSP	APER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH I	LEGAL BOOKER, I	motter affects their interests.	SEMONSITOR OF THE HELLING HOW TH
CAUSE NO COMPANY ENGLISH L NOTICE IS	HE DIVISION OF OIL, GAS AND MINING DEPARTMENT . UIC-415 IN THE MATTER OF THE APPLICA FOR DIV . U.C dba MEDIAONE OF UTAH, AGENT FOR THE SALT LA ANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY ALS COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL	OF OIL-GAS & MI KE TRIBUNE AND PUBLISHED IN SAL AS THE FIRST NE	D DIVISION OF C (5/ 8 rad Hill 923758 W SPAPER PUBLICATION DATE AND REM	DIL, GAS & MINING noger UPAXLP
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PUBLISHEE	mon		My Commission January 12,20	si469 ) Expues
DATE	12/13/2013			<u>A</u>
	THIS IS NOT A STATEMENT BUT A "PROOF OF PU		Vogenen Ving	
	PLEASE PAY FROM BILLING STATEME		NOTARY SIGNATURE	
	2210 RED/612	A MARK		

### **AFFIDAVIT OF PUBLICATION**

County of Duchesne, STATE OF UTAH

I, Kevin 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 <u>/</u> consecutive issues, and that the first publication was on the <u>/7</u> day of <u>December</u>, 20 <u>/3</u>, and that he last publication of such notice was in the issue of such newspaper dated the <u>/7</u> day of <u>December</u>, 20 <u>/3</u>, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and he notice remained on Utahlegals.com until the end of the cheduled run.

Publisher

ubscribed and sworn to before me on this

23 day of \_ Prear ec 20/3

y Kevin Ashby.

Notary Public

	Notary Public
1 (Marine)	BONNIE PARRISH
1(1(2)))	Commission #653427 My Commission Expires
and the second	February 23, 2016
1908	State of Utah

NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

BEFORE THE **DIVISION OF OIL** GAS AND MINING, DEPARTMENT OF NATURAL RE-SOURCES, STATE OF UTAH. IN THE MATTER OF THE APPLICA-TION OF NEW-FIELD PRODUC-TION COMPANY FOR ADMINISTRA-TIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCH-ESNE COUNTY, UTAH, AS CLASS **II INJECTION** WELLS. THE STATE OF UTAH TO ALL PER SONS INTERESTED IN THE ABOVE ENTITLED MAT-TER Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Continued on next page

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DIV OF OIL GAS & MINING

Continued from previous page

Suite 2000, Denver. Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

'Greater Monument Butte Unit:

State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-33846 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South,

Range 16 East API 43-013-33853 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-30650

Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East API 43-013-33033 Federal 12-17-9-

NW/4 SW/4, Section 17. Township 9 South, Range 16 East API 43-013-33035 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East API 43-013-32922 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East API 43-013-33063 Federal 6-19-9-16 well located in SE/4

WW/4, Section 19, Township 9 South, Range 16 East API 43-013-33100 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33102 Federal 14-19-9-16 well located in

SE/4 SW/4, Section 19. Township 9 South,

ing to object to the application or otherwise intervene the proceeding, mu file a written prote

Any person desi

or notice of interve tion with the Divisio within fifteen da following publication of this notice. The E vision's Presiding C ficer for the proceeding is Brad Hill, Permittin Manager, at P.O. B. 145801, Salt Lake Ci UT 84114-5801, pho number (801) 53 5340. If such a prote or notice of interve tion is received, a her ing will be schedul in accordance wi the aforemention administrative pr cedural rules. Prote tants and/or interve ers should be prepar to demonstrate at 1 hearing how this mai affects their interest

Dated this 11th of of December, 2013 STATE OF UTA DIVISION OF O GAS & MINING

> /s/ Brad Hill

16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East Published in Uintah Basin Stand December 17, 2012

----Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33161 Federal 16-19-9-16 well located in. SE/4 SE/4, Section 19, Township 9 South, Range 16 East API 43-013-33163 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East API 43-013-33107 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33019 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33069 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East API 43-013-33023 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-33003 Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East API 43-013-30873 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-32961 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East API 43-013-33343 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

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.

1241

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

Applicant: Newfield Production Company Well: Federal 8-20-9-16

Location: 20/9S/16E

**API:** 43-013-33107

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and 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 314 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,934 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,066 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,520 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface location, there are 8 producing wells, 6 injection wells, 1 shut-in well, and 1 temporarily abandoned well in the AOR. In addition, there is 1 horizontal producing well, with a surface location outside the AOR and a bottom hole location inside the AOR and 1 directionally drilled well with a surface location inside the AOR and a bottom hole location inside the AOR. Finally, there is 1 approved surface location inside the AOR for a horizontal well with a proposed bottom hole location outside the AOR. All existing wells within the AOR have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,893 feet and 5,880 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-20-9-16 well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,670 psig. The requested maximum pressure is 1,670 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 groundwater present should be adequately protected. Federal 8-20-9-16 page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold

Date: <u>3/19/2014</u>

### BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

### Greater Monument Butte Unit:

State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-33846 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33853 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-30650 Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East API 43-013-33033 Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East API 43-013-33035 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East API 43-013-32922 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East API 43-013-33063 Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East API 43-013-33100 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33102 Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33161 Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East API 43-013-33163 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East API 43-013-33107 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33019 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33069 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East API 43-013-33023 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East API 43-013-30873 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-32961 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East API 43-013-33343

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

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

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

Dated this 11th day of December, 2013.

STATE OF UTAH DIVISION OF OIL, GAS & MINING Brad Hill

Permitting Manager

#### **Newfield Production Company**

STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16, FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16, FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16, FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16, FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16, FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23, FEDERAL 8-23-9-16, FEDERAL 14-24-9-16

### Cause No. UIC-415

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 naclegal@mediaoneutah.com

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

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

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

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jan Sweet



### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

GARY R. HERBERT Governor SPENCER J. COX Lieutenant Governor

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

December 12, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

### Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-415

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 notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

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

Sincerely,

Jaan Sweet

Jean Sweet Executive Secretary

Enclosure





Jean Sweet <jsweet@utah.gov>

### **Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415**

1 message

**UB Standard Legals** <ubslegals@ubmedia.biz> To: Jean Sweet <jsweet@utah.gov> Thu, Dec 12, 2013 at 1:22 PM

On 12/12/2013 11:59 AM, Jean Sweet wrote:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

\_

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

This will publish Dec. 17. Thank you. Merry Christmas. Cindy



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

December 12, 2013

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-415

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,

Joan Sweet

Jean Sweet Executive Secretary

Enclosure





Jean Sweet <jsweet@utah.gov>

Thu, Dec 12, 2013 at 12:34 PM

### **Proof for Notice**

1 message

Stowe, Ken <naclegal@mediaoneutah.com> Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com> To: jsweet@utah.gov

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### The Salt Lake Tribune

. . . .



Deseret News

Remit to: P.O. Box 704005 West Valley City, UT 84170

### Order Confirmation for Ad #0000927358-01

Client Client Phone	DIV OF OIL 801-538-534	-GAS & MINING 40		Payor Cus Payor Pho		DIV OF OIL-GAS & MINING 801-538-5340
Account# Address		2 RTH TEMP #1210,P.O. I CITY, UT 84114 USA	BOX 145801	Payor Acc Payor Adc		9001402352 1594 W NORTH TEMP #1210,P.O. BO) SALT LAKE CITY, UT 84114
Fax EMail	801-359-39- juliecarter@			Ordered E Jean	Ϋy	Acct. Exec kstowe
Total Amon Payment A Amount Du Payment Met Confirmation Text:	ue hod	\$478.76 \$0.00 \$478.76	<u>Tear Sher</u> 0	0	oofs Number	<u>Affidavits</u> 1 Newfield Cause UIC-4
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Product utahlegals. Scheduled		Placement utahlegals.com 12/13/2013			<u>Positi</u> utahle	<b>on</b> gals.com

# Order Confirmation for Ad #0000927358-01

#### Ad Content Proof Actual Size



Newfield Exploration Company 1001 17th Street | Suite 2000 Denver, Colorado 80202 PH 303-893-0102 | FAX 303-893-0103

December 5, 2013

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well Federal #8-20-9-16 Monument Butte Field, Lease #UTU-52018 Section 20-Township 9S-Range 16E Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-20-9-16 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,

Loyle

Regulatory Associate

RECEIVED

DEC 06 2013

DIV. OF OIL, GAS & MINING

### **NEWFIELD PRODUCTION COMPANY**

### APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

#### FEDERAL #8-20-9-16

### MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

**LEASE #UTU-52018** 

**DECEMBER 5, 2013** 

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COVER PAGE	
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ATTACHMENT B	CERTIFICATION FOR SURFACE OWNERS WITHIN ONE-HALF MILE RADIOS
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ATTACHMENT E-13	WELLBORE DIAGRAM – GMB #3-16-9-16H
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED - 6/29/2007 - 7/10/2007
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

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Federal #8-20-9-16

### 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
<u></u>	Denver, Colorado 80202

Well Name and num	ber:	Federal #	8-20-9-16						
Field or Unit name:	Monument E	Butte (Greer	n River)				Lease No.	UTU-520*	18
Well Location: QQ	SENE	_ section	20	township	9S	_range	16E	county	Duchesne
Is this application for	r expansion o	of an existin	g project?			Yes [ X ]	] No [ ]	<u></u>	
Will the proposed we	ell be used fo	Dr:	Disposal	d Recovery? ?		Yes[]	No [ X ]		
Is this application for	r a new well t	o be drilled	?			Yes[]	No [ X ]		
If this application is f									
has a casing test t	been perform	ed on the w	/ell?			Yes[]	No [ X ]		
Date of test: API number: 43-0	13-33107	· · · ·							
Proposed injection in Proposed maximum Proposed injection z mile of the well.	injection:	from rate s [x ] oil, [ ] ;		to pressure r [] fresh wa	5880 1670 iter within	_psig 1/2			
	IMPOR	TANT:		al information any this form.	as require	d by R615	5-5-2 should	]	
List of Attachments:		Attachme	nts "A" thro	ough "H-1"					
I certify that this repo	ort is true and	d complete	to the best	of my knowle	dge.				
Name: Jill L	Loyle			Signature	Dia		Lylo		
	ulatory Assoc	ciate		Date	$\overline{\Lambda}$	\$151	8		_
Phone No. <u>303</u> -	383-4135				$-0^{-1}$	, -, -, -	-0		
(State use only) Application approved Approval Date	d by					Title			
			<sup></sup>			_			
Comments:									

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### FEDERAL 8-20-9-16

Proposed Injection Wellbore Diagram

Spud Date: 06/05/07 Put on Production: 07/09/07 GL: 6055' KB: 6067'

#### SURFACE CASING

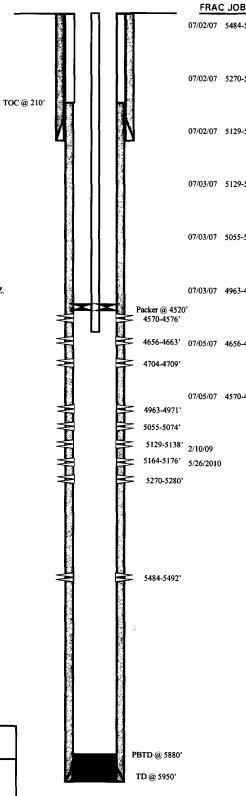
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (301.95') DEPTH LANDED: 313.8' KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 134 jts. (5920.75") DEPTH LANDED: 5934.00' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ. CEMENT TOP: 210' per CBL 6/28/07

#### TUBING (GI 5/21/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 174 jts (5422.26') TUBING ANCHOR: 5434.26' KB NO. OF JOINTS: 1 jt (31.65') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5468.71' KB NO. OF JOINTS: 2 jts (62.72') TOTAL STRING LENGTH: EOT @ 5532.98' KB



۱С	JOB				
7	5484-5492'	15470# 20 frac fluid. w/avg rate	sands as follo /40 sand in 27 Treated @ av of 24.6 BPM. 2 gal. Actual fl	4 bbls Lig g press of ISIP 2369	2490 psi ) psi. Calc
7	5270-5280'	29548# 20 frac fluid. w/avg rate	C sands as fo /40 sand in 36 Treated @ av <sub>i</sub> of 24.4 BPM. 8 gal. Actual fl	5 bbls Lig g press of ISIP 2486	2397 psi psi. Calc
7	5129-5176'	4712# 20/4 frac fluid.	C sands as fo 40 sand in 389 Blender Broke psi. Calc.flush 2 gal.	bbls Light e. Need to	Refrac.
7	5129-5176'	95147# 20 frac fluid. w/avg rate	C sands as fo /40 sand in 70 Treated @ ava of 24 BPM. IS / gal. Actual fi	6 bbls Lig g press of SIP 2775	2554 psi psi. Calc
7	5055-5074'	71220# 20 frac fluid. w/avg rate	C sands as fo /40 sand in 71 Treated @ av of 24.3 BPM. 8 gal. Actual fl	9 bbls Lig g press of ISIP 2680	2372 psi ) psi. Calc
7	4963-4971'	40277# 20 frac fluid. w/avg rate	ands as follow /40 sand in 49 Treated @ av of 24.5 BPM.   gal. Actual fl	2 bbls Lig g press of ISIP 2290	2725 psi ) psi. Calc
7	4656-4709'	29723# 20 frac fluid. w/avg rate	C sands as f /40 sand in 37 Treated @ av of 24.5 BPM. I gal. Actual fl	6 bbls Lig g press of ISIP 1700	1630 psi ) psi. Calc
7	4570-4576'	42080# 20 frac fluid. w/avg rate	sands as follo /40 sand in 35 Treated @ av of 24.4 BPM. 8 gal. Actual fl	6 bbls Lig g press of ISIP 1875	1829 psi 5 psi. Calc
		Pump Cha	nge. Updated i	& t detail	s.
10		Tubing lea	k. Updated ro	d and tubir	ng detail.
		PERFOR	ATION RE	CORD	
		06/28/07	5484-5492'	4 JSPF	32 holes
		07/02/07	5270-5280'	4 JSPF	40 holes
			5164-5176'	4 JSPF	48 holes
			5129-5138'	4 JSPF	36 holes
			5055-5074'	4 JSPF	76 holes
			4963-4971' 4704-4709'	4 JSPF	32 holes
			4704-4709	4 JSPF 4 JSPF	20 holes 28 holes
			4030-4003	4 JSPF 4 JSPF	28 holes 24 holes

•

NEWFI	ELD
FEDERAL 8-	20-9-16
2133'FNL & 74	46' FEL
SE/NE Section 20	-T9S-R16E
Duchesne Co.	, Utah

API #43-013-33107; Lease # UTU-52018

### WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 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 17<sup>th</sup> 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 #8-20-9-16 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 #8-20-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3893' - 5880'). 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 3571' and the TD is at 5950'.

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

The referenced log for the Federal #8-20-9-16 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #UTU-52018) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

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

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

See Attachments A and B.

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

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

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

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

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

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

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

The casing program is 8-5/8", 24# surface casing run to 314' KB, and 5-1/2", 15.5# casing run from surface to 5934' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

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

See Attachment F.

#### 2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1670 psig.

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

The minimum fracture gradient for the Federal #8-20-9-16, for existing perforations (4570' - 5492') calculates at 0.80 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 1670 psig. We may add additional perforations between 3571' and 5950'. See Attachments G and G-1.

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

In the Federal #8-20-9-16, the proposed injection zone (3893' - 5880') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very finegrained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-13.

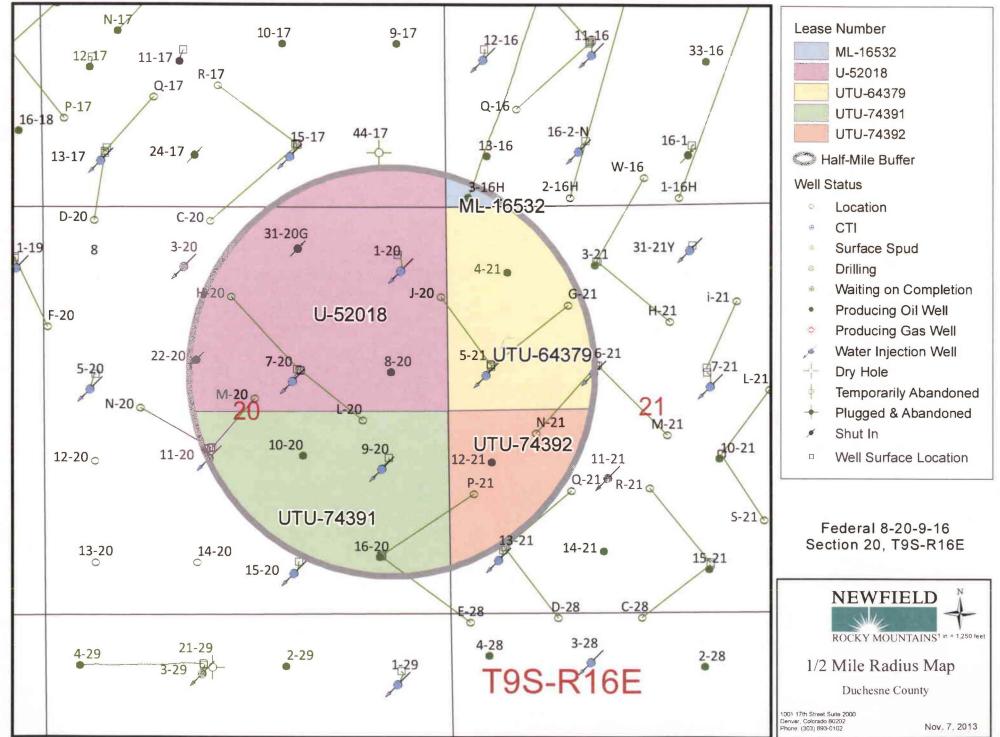
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



## ATTACHMENT A-1

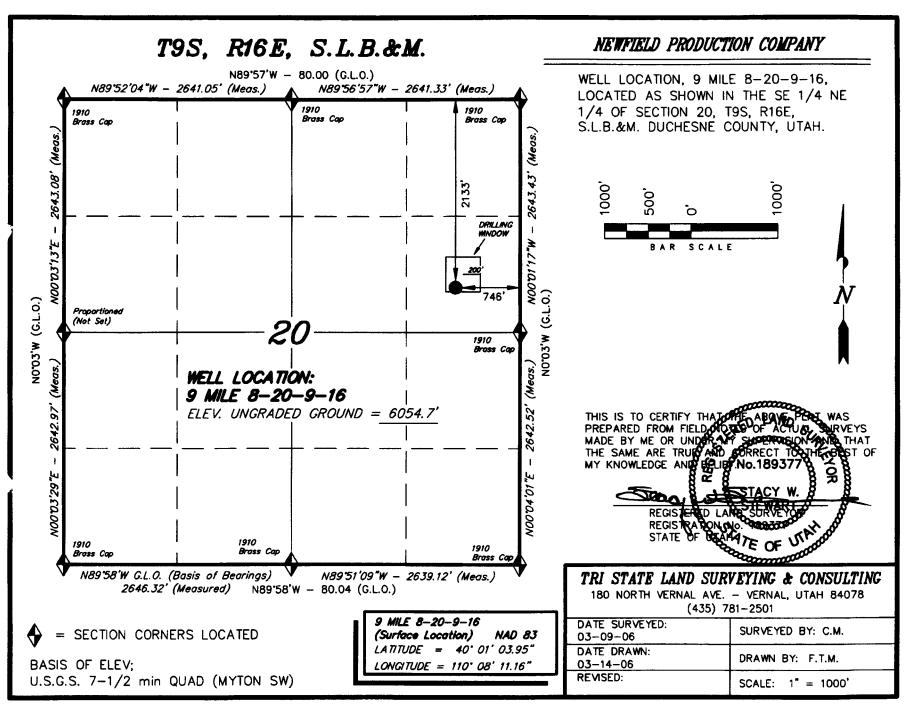


EXHIBIT B						
#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner		
1	T9S-R16E SLM	USA	Newfield Production Company	USA		
	Section 17: S2	UTU-52018	Newfield RMI LLC			
	Section 20: N2	НВР				
2	T9S-R16E SLM	USA	Newfield Production Company	USA		
	Section 19: E2SW, SE, LOTS 3, 4	UTU-74391	Newfield RMI LLC			
	Section 20: S2	НВР	ABO Petroleum Corp			
	Section 29: All		MYCO Industries Inc			
	Section 30: All		OXY Y-1 Company			
			Yates Petroleum Corp			
3	T9S-R16E SLM	USA	Newfield Production Company	USA		
	Section 21: S2	UTU-74392	Newfield RMI LLC			
	Section 22: NENE, S2	НВР	ABO Petroleum Corp			
	Section 23: SWSW		MYCO Industries Inc			
	Section 24: SESE		OXY Y-1 Company			
	Section 26: NENE		Yates Petroleum Corp			
	Section 27: All					
	Section 28: All					
4	T9S-R16E SLM	USA	Newfield Production Company	USA		
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC			
	Section 9: SWSW	НВР	Yates Petroleum Corp			
	Section 17: NE					
	Section 18: E2SW, SE, LOTS 3,4					
	Section 19: NE, E2NW, LOTS 1,2					
	Section 21: N2					
	Section 22: W2NE, SENE, NW					

-

5 T9S-616E SLM Section 16: All

.

State of Utah ML 16532 HBP Newfield RMI LLC QEP Energy Company El Paso E&P Company LP American Petroleum Corp Brave River Production Trans Republic Resources Inc State of Utah

#### **CERTIFICATION FOR SURFACE OWNER NOTIFICATION**

RE: Application for Approval of Class II Injection Well Federal #8-20-9-16

,

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 Jill L Loyle Regulatory Associate
Sworn to and subscribed before me this 5 day of December, 2013.
Notary Public in and for the State of Colorado: Lyli Til. My Commission Expires: 12 31 15
LYDIA BIONDO Notary Public State of Colorado

### FEDERAL 8-20-9-16

Spud Date: 06/05/07 Put on Production: 07/09/07 GL: 6055' KB: 6067'

1

#### Wellbore Diagram

GL: 6055' KB: 6067'		FRAC JOB	
SURFACE CASING CSG SIZE: 8-5/8"		07/02/07 5484-5492`	Frac CP1 sands as follows: 15470# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 5482 gal. Actual flush: 4981 gal.
GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (301.95') TOC @ 2 DEPTH LANDED: 313.8' KB		07/02/07 5270-5280'	Frac LODC sands as follows: 29548# 20/40 sand in 365 bbls Lightning 17 frac fluid. Treated @ avg press of 2397 psi w/avg rate of 24.4 BPM. ISIP 2486 psi. Calc flush: 5268 gal. Actual flush: 4796 gal.
HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.		07/02/07 5129-5176'	Frac LODC sands as follows: 4712# 20/40 sand in 389 bbls Lightning 17 frac fluid. Blender Broke. Need to Refrac. ISIP 2340 psi. Calc.flush: 5127 gal. Actual flush: 5292 gal.
PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55		07/03/07 5129-5176'	Frac LODC sands as follows: 95147# 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 2554 psi w/avg rate of 24 BPM. ISIP 2775 psi. Calc flush: 5127 gal. Actual flush: 4662 gal.
WEIGHT: 15.5# LENGTH: 134 jts. (5920.75') DEPTH LANDED: 5934.00' KB HOLE SIZE: 7-7/8''		07/03/07 5055-5074'	Frac LODC sands as follows: 71220# 20/40 sand in 719 bbls Lightning 17 frac fluid. Treated@avg press of 2372 psi w/avg rate of 24.3 BPM. ISIP 2680 psi. Calc flush: 5053 gal. Actual flush: 5095 gal.
CEMENT DATA: 300 sxs PrenLite II mixed & 425 sxs 50/50 POZ, CEMENT TOP: 210' per CBL 6/28/07	4570-45	07/03/07 4963-4971' 76'	Frac A1 sands as follows: 40277# 20/40 sand in 492 bols Lightning 17 frac fluid. Treated @ avg press of 2725 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc flush: 4961 gal. Actual flush: 4452 gal
TUBING (GI 5/21/10) SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 174 jts (5422.26')	4570-45		Frac D3&C sands as follows: 29723# 20/40 sand in 376 bbls Lightning 17 frac fluid. Treated@avg press of 1630 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4654 gal. Actual flush: 4200 gal
TUBING ANCHOR: 5434.26' KB NO. OF JOINTS: 1 jt (31.65') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5468.71' KB	4963-4 5055-50		Frac D1 sands as follows: 42080# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated@avg press of 1829 psi w/avg rate of 24.4 BPM. ISIP 1875 psi. Calc flush: 4568 gal. Actual flush: 4494 gal.
NO. OF JOINTS: 2 jts (62.72') TOTAL STRING LENGTH: EOT @ 5532.98' KB	4963-4 5055-50 5129-5 5164-51 5270-5	76' 5/26/2010	Pump Change. Updated r & t details. Tubing leak. Updated rod and tubing detail.
SUCKER RODS (GI 5/21/10)			PERFORATION RECORD
POLISHED ROD: 1-1/2" x 26' SM polished rods SUCKER RODS: 100 x %" guided rods, 58 x %" sucker rods, 54 x %" guided	Anchor @	·	06/28/07         5484-5492'         4 JSPF         32 holes           07/02/07         5270-5280'         4 JSPF         40 holes           07/02/07         5164-5176'         4 JSPF         48 holes
rods, 6 x 1-½" weight bars PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC STROKE LENGTH: 86" PUMP SPEED, SPM: 4.0	5484-5	192'	07/02/07         5129-5138'         4 JSPF         36 holes           07/03/07         5055-5074'         4 JSPF         76 holes           07/03/07         4963-4971'         4 JSPF         32 holes           07/03/07         4704-4709'         4 JSPF         20 holes
PUMPING UNIT: WEATHERFORD C-228-213-86	EOT @ 5.	533'	07/03/07 4656-4663' 4 JSPF 28 holes 07/05/07 4570-4576' 4 JSPF 24 holes
NEWFIELD			
FEDERAL 8-20-9-16	РВТД @ 5	880'	
2133'FNL & 746' FEL SE/NE Section 20-T9S-R16E	TD @ 595	0,	
Duchesne Co, Utah API #43-013-33107; Lease # UTU-52018			

## ATTACHMENT E



### Federal 4-21-9-16

Spud Date: 10-25-06 Put on Production: 12-12-06 GL: 5991' KB: 6003'		Well	oore Diagra	m			Initial Production MCFD, BWPI	
SURFACE CASING					FRAC J	Эв		
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24#	Cement top@110'	A CONTRACT OF				5494-5512'	frac fluid. Treated w/avg rate of 25 Bl	a follows: n 385 bbls Lightning 1' @ avg press of 2157 ps PM. ISIP 2550 psi. Cal ctual flush: 10458 gal.
LENGTH: 7 jts (310.54') DEPTH LANDED: 322.39' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, e	st 3 bbls cmt to surf.				12-04-06	5204-5222'	Frac LODC sands 23667# 20/40 sand frac fluid. Treated w/avg rate of 25 Bl	-
		Ľ		<u>Y</u>	12-05-06	4993-5072'	frac fluid. Treated w/avg rate of 25 Bl	s <b>as follows:</b> d in 829 bbls Lightning @ avg press of 2350 p PM. ISIP 2200 psi. Cal- tual flush: 4704 gal.
PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#					12-05-06	4636-4654'	Frac DS2 sands as 80794# 20/40 sand frac fluid. Treated avg rate of 25 BPM	-
LENGTH: 135 jts. (5924.58') DEPTH LANDED: 5937.83' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mix CEMENT TOP AT: 110'	ed & 452 sxs 50/50 POZ.				12-05-06	4400-4406'	frac fluid. Treated avg rate of 25 BPM	as follows: in 265 bbls Lightning @ avg press of 2077 w I. ISIP 1720 psi. Calc tual flush: 4284 gal.
CEMENT TOP AT: 110'					11/13/08		Parted rods. Update	ed rod & tubing details.
TUBING		×		5 4400-4406'				
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#				4636-4654'				
NO. OF JOINTS: 173 jts (5453.00')				- 4030-4054				
TUBING ANCHOR: 5465.00' KB		×.		4993-5003'				
NO. OF JOINTS: 1 jts (31.52')			l ŝ					
SEATING NIPPLE: 2-7/8" (1.10')				- 5062-5072'				
SN LANDED AT: 5499.32' KB		8		5062-5072'				
NO. OF JOINTS: 2 jts (63.04')				5204-5210'				
TOTAL STRING LENGTH: EOT @ 5563.	91' KB	Star H	P.24.8					
				5214-5222'				
UCKER RODS		A		Anchor @ 5465'			PERFORATION R	ECORD
	- SN 54	<sup>99'</sup>		5494-5512'				2' 4 JSPF 72 hole
POLISHED ROD: 1-1/2" x 22' SM		÷.					12-04-06 5214-522 12-04-06 5204-521	
SUCKER RODS: 1-2', 4', 6', 8' x 34" pony : plain rods, 32- 34" guided rods, 6- 1 1/2" weig							12-04-06 5062-507	
PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RH							12-04-06 4993-500	3' 4 JSPF 40 hole
STROKE LENGTH: 86"							12-05-06 4636-465	
PUMP SPEED, SPM: 5 SPM							12-05-06 4400-440	6'4 JSPF 24 hole
NEWFIELI	)			EOT @ 5564'				
				PBTD @ 5916'				
Federal 4-21-9-16	i		100 A	SHOE @ 5937'				
851' FNL & 782' FWL	·	20	4	TD @ 5965'				
NW/NW Section 21-T9S-R	16E							
Duchesne Co, Utah								
Ducheshe Co, Otali								

API # 43-013-33069; Lease # UTU-64379

ATTACHMENT E-2

Spud Date: 10/21/06 Put on Production: 12/02/06 K.B.: 6048' G.L.: 6036'

### Federal 5-21-9-16

Injection Wellbore Diagram

Cement Top@ 50'

Casing Shoe @ 322'

SURFACE CASING	G
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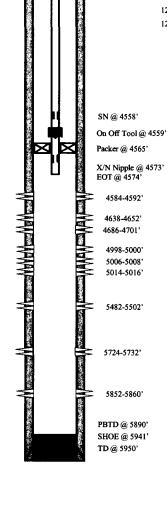
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (310.62') DEPTH LANDED: 322.47' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 135 jts. (5927.96') DEPTH LANDED: 5941.21' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. CEMENT TOP: 50'

#### TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 141 jts (4545.8') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4557.8' KB ON/OFF TOOL AT: 4558.9' ARROW #1 PACKER CE AT: 4564.8' XO 2-3/8 x 2-7/8 J-55 AT: 4567.7\* TBG PUP 2-3/8 J-55 AT: 4568.2' X/N NIPPLE AT: 4572.3' TOTAL STRING LENGTH: EOT @ 4574'



FRAC J	ОВ	
11/22/06	5852-5860'	Frac CP5 sands as follows: 24030# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated@avg press of 2590 psi w/avg rate of 24.8 BPM. ISIP 2850 psi. Cale flush: 5858 gal. Actual flush: 5334 gal.
11/22/06	5724-5732'	Frac CP4 sands as follows: 37476# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2400 psi w/avg rate of 24.9 BPM. ISIP 2500 psi. Calc flush: 5730 gal. Actual flush: 5216 gal.
11/22/06	5482-5502'	Frac CP1 sands as follows: 56615#20/40 sand in 467 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Cale flush: 5500 gal. Actual flush: 4977 gal.
11/24/06	4584-4652'	Frac D1, D2 sands as follows: 156867# 20/40 sand in 1002 bbls Lightning 17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 25.1 BPM. ISIP 1960 psi. Cale flush: 4650 gal. Actual flush: 4494 gal.
03/21/07		Pump Change: Updated rod and tubing detail.
6/1/2010		Pump change. Updated rod and tubing detail.
9/7/2010		Pump change. Updated rod and tubing detail.
10/22/10	4998-5016'	Frac A3 sands as follows: 61766# 20/40 sand in 501 bbls Lightning17 frac fluid.
10/25/10		<b>Re-Completion Finalized</b>
12/13/12		Convert to Injection Well
12/14/12		Conversion MIT Finalized – update tbg detail

PERFOR	ATION REC	ORD	
11/09/06	5852-5860'	4 JSPF	32 holes
11/22/06	5724-5732'	4 JSPF	32 holes
11/22/06	5482-5502'	4 JSPF	80 holes
11/24/06	4686-4701'	4 JSPF	60 holes
11/24/06	4638-4652'	4 JSPF	56 holes
11/24/06	4584-4592'	4 JSPF	32 holes
10/22/10	5014-5016'	3 JSPF	6 holes
10/22/10	5006-5008'	3 JSPF	6 holes
10/22/10	4998-5000'	3 JSPF	6 holes



Federal 5-21-9-16 2033' FNL & 551' FWL SW/NW Section 21-T9S-R16E Duchesne Co, Utah API # 43-013-33020; Lease # UTU-64379

## ATTACHMENT E-3

Spud Date: 10/22/06 Put on Production: 12/07/06 GL: 6019' KB: 6031'

### Federal 6-21-9-16

Injection Wellbore

SN @ 4515' On Off Tool @ 4518' Packer @ 4524' X/N Nipple @ 4532' EOT @ 4534'

4588-4596'

4635-4651'

4995-4999' 5008-5012' 5098-5106'

5472-5476'

PBTD @ 5884'

TD @ 5960'

5487-5497'

			Wellbore gram
SURFACE CASING			
CSG SIZE: 8-5/8"	TOC @ 60'	2	١. ١
GRADE: J-55	Ũ		
WEIGHT: 24#			
LENGTH: 7 jts. (310.77')			
DEPTH LANDED: 322.62' KB	Carina 64 @ 2022		
HOLE SIZE:12-1/4"	Casing Shoe @ 323'	4	
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt	to surf.		
			E E
PRODUCTION CASING CSG SIZE: 5-1/2"			
GRADE: J-55			
WEIGHT: 15.5#			
LENGTH: 13.5# LENGTH: 134 jts. (5916.95')			
DEPTH LANDED: 5930.20' KB			
HOLE SIZE: 7-7/8"			
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs	50/50 BOZ	3626	j j
CEMENT TOP: 60'	50/50 POZ.	ŝ.	S.
TUBING			
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#			
NO. OF JOINTS: 144 jts (4500.5')			2
STRETCH (1.2)			
NO. OF JOINTS: 1 jts $(1.1')$			i i
SEATING NIPPLE: 2-7/8" (1.10')			
SN LANDED AT: 4514,9' KB			
ON/OFF TOOL AT: 4517.8'			
ARROW #1 PACKER CE AT: 4524'			
XO 2-3/8 x 2-7/8 J-55 AT: 4527.7'			
TBG PUP 2-3/8 J-55 AT: 4528.2'		$\mathbf{\Sigma}$	
X/N NIPPLE AT: 4532.3'		S L	
TOTAL STRING LENGTH: EOT @ 4533.9'			
TOTAL STRING LENGTH. LOT @ 4555.7			
			252 <sup>4</sup>
		ŝ.	i i
		D M	100

NEWFIELD	
Federal 6-21-9-16	
3160/FMI 0 1007/ FUU	

2159'FNL & 1887' FWL SE/NW Section 21-T9S-R16E Duchesne Co, Utah API #43-013-33021; Lease #UTU-64379

FRAC JO	В	
11/28/06	5497-5472'	Frac CP1 sands as follows: 60318# 20/40 sand in 517 bbls Lightning 17 frac fluid. Treated @ avg press of 2202 psi w/avg rate of 25.0 BPM. ISIP 3010 psi. Cale flush: 5495 gal. Actual flush: 4964 gal.
11/28/06	5098-5106'	Frac LODC sands as follows: 19850# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2154 psi w/avg rate of 14.3 BPM. ISIP 2720 psi. Calc flush: 5096 gal. Actual flush: 4590 gal.
11/28/06	4651-4588'	Frac D1 & D2 sands as follows: 125303# 20/40 sand in 857 bols Lightning 17 frac fluid. Treated @ avg press of 1655 psi w/avg rate of 24.8 BPM. ISIP 1880 psi. Cale flush: 4649 gal. Actual flush: 4494 gal.
03/15/07		Pump Change. Update rod and tubing details.
11/11/10	4995-5012'	Frac A3 sands as follows: 32618# 20/40 sand in 283 bbls Lighting 17 fluid.
11/17/10		<b>Re-Completion</b> finalized – updated tbg and rod details
4/7/2011		Pump Change. Rod & tubing detail updated.
07/24/13		Convert to Injection Well
07/30/13		Conversion MIT Finalized – update tbg detail

PERFOR	ATION RE	CORD	
11/28/06	5487-5497'	4 JSPF	40 holes
11/28/06	5472-5476'	4 JSPF	16 holes
11/28/06	5098-5106'	4 JSPF	32 holes
11/28/06	4635-4651'	4 JSPF	64 holes
11/28/06	4588-4596'	4 JSPF	32 holes
11/11/10	5008-5012'	3 JSPF	12 holes
11/11/10	4995-4999'	3 JSPF	12 holes

LCN 07/31/13

## ATTACHMENT E-4

### Federal 12-21-9-16

#### Spud Date: 7-30-07 Put on Production: 8-28-07

#### GL: 6054' KB: 6066'

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (302.22') DEPTH LANDED: 313.23' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 149 jts. (6047.38') DEPTH LANDED: 6061.02' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. CEMENT TOP AT: 152'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 181 jts (5688.') TUBING ANCHOR: 5700.' KB NO. OF JOINTS: 2 jts (63.00') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5766.' KB NO. OF JOINTS: 1 jts (31.50') GAS ANCHOR: 5799 NO. OF JOINTS: 3 jts (94.6) TOTAL STRING LENGTH: EOT @ 5899' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM SUCKER RODS: 1-4', 1-8' X ¼" Pony Rods, 99- ¼" guided rods, 106- ¾" plain rods, 19- ¾" guided rods, 6-1 ¼" sinker bars. PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger STROKE LENGTH: 86" PUMP SPEED, SPM: 5 SPM

Federal 12-21-9-16	
1952' FSL & 557' FWL	
NW/SW Section 21-T9S-R16E	
Duchesne Co, Utah	
API # 43-013-33143; Lease # UTU-74392	

#### Wellbore Diagram

		FRAC J	D
		08-24-07	
		08-24-07	
		08-24-07	2
		08-24-07	
		08-24-07	
		08-24-07	
	4209-4216'		
		12-12-07 10/26/09	
	4592-4601'	10/14/11	
222.00	4688-4699'		
	4939-4948'		
	5434-5450'		
	Anchor @ 5700'		

#### Initial Production: BOPD, MCFD, BWPD

J	ОВ	
7	5927-5934'	Frac BSLS sands as follows: 29629# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated@avg press of 2275 psi w/avg rate of 24.7 BPM. ISIP 2025 psi. Calc flush: 5925 gal. Actual flush: 5376 gal.
7	5434-5450'	Frac CP1 sands as follows: 70328#20/40 sand in 585 bbls Lightning 17 frac fluid. Treated@ avg press of 2158 psi w/avg rate of 24.7 BPM. ISIP 2435 psi. Calc flush: 5432 gal. Actual flush: 4872 gal.
7	4939-4948'	Frac A3 sands as follows: 39870# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 4937 gal. Actual flush: 4410 gal.
7	4688-4699'	Frac C sand as follows: 47661#20/40 sand in 452 bbls Lightning 17 frac fluid. Treated@avg press of 1903 w/ avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4686 gal. Actual flush: 4221 gal.
7	4592-4601'	Frac D2 sand as follows: 48185# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated@ avg press of 1687 w/ avg rate of 24.7 BPM. ISIP 1740 psi. Calc flush: 4590 gal. Actual flush: 4074 gal.
7	4209-4216'	Frac pb8 sand as follows: 37092# 20/40 sand in 322 bbls Lightning 17 frac fluid. Treated@ avg press of 2218 w/ avg rate of 24.7 BPM. ISIP 3225 psi. Calc flush: 4207 gal. Actual flush: 1718 gal.
7 9 1		Pump Change. Updated rod & tubing details. Pump Change. Updated rod & tubing details. Pump Change. Updated rod & tubing details.

PERFORATION RECORD							
08-20-07	5927-5934'	4 JSPF	28 holes				
08-24-07	5434-5450'	4 JSPF	64 holes				
08-24-07	4939-4948'	4 JSPF	36 holes				
08-24-07	4688-4699'	4 JSPF	44 holes				
08-24-07	4592-4601'	4 JSPF	36 holes				
08-24-07	4209-4216'	4 JSPF	28 holes				



EOT @ 5899'

5927-5934'

8

TD @ 6055'

TW 11/01/11



### FEDERAL 16-20-9-16

Spud Date: 05/29/07 Put on Production: 08/21/07 GL: 6129' KB: 6141'

#### Wellbore Diagram

4596-4604'

4701-4709

4771-4779'

3.7

**69** 

Cement Top @ 343'

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (295.42") DEPTH LANDED: 306.32" KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

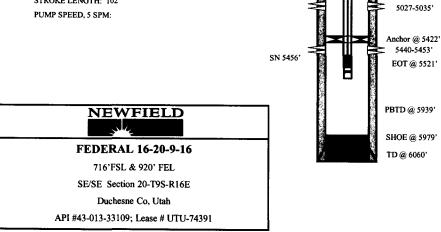
CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 155 jts. (5977.37") DEPTH LANDED: 5978.62' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 172 jts (5410.01') TUBING ANCHOR: 5422.01' KB NO. OF JOINTS: 1 jts (31.47') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5456.28' KB NO. OF JOINTS: 2 jts (63.01') TOTAL STRING LENGTH: EOT @ 5520.84' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods SUCKER RODS:1-2' & 1-8' x 7/8" pony rods, 100-3/4" scrapered rods, 92-3/4" plain rods, 20-3/4"scrapered rods 6-1 ½" weight rods. PUMP SIZE: CDI 2-1/2" x 1-1/2" x 18' RHAC STROKE LENGTH: 102" PUMP SFEED. 5 SPM:



FRAG	С ЈОВ	
08/13/07	5440-5453'	Frac CP1 sands as follows: 29557# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2090 psi w/avg rate of 24.5 BPM. ISIP 2215 psi. Calc flush: 5438 gal. Actual flush: 4956 gal.
08/16/07	5027-5035'	Frac LODC sands as follows: 19063#20/40 sand in 311 bols Lightning 17 frac fluid. Treated @ avg press of 2091 psi w/avg rate of 24.8 BPM. ISIP 2350 psi. Calc flush: 5025 gal. Actual flush: 4536 gal.
08/16/07	4771-4779'	Frac B1 sands as follows: 46260#20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2079 psi w/avg rate of 24.8 BPM. ISIP 1940 psi. Calc flush: 4769 gal. Actual flush: 4326 gal.
08/16/07	4701-4709'	Frac C sands as follows: 108507# 20/40 sand in 795 bibl Lightning 17 frac fluid. Treated @ avg press of 2113 psi w/avg rate of 24.8 BPM. ISIP 1995 psi. Calc flush: 4698 gal. Actual flush: 4200 gal.
08/16/07	4596-4604'	Frac D2 sands as follows: 44879# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2001 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc

flush: 4594 gal. Actual flush: 4536 gal.

PERFORATION RECORD						
08/07/07	5440-5453'	4 JSPF	52 holes			
08/16/07	5027-5035'	4 JSPF	32 holes			
08/16/07	4771-4779'	4 JSPF	32 holes			
08/16/07	4701-4709'	4 JSPF	32 holes			
08/16/07	4596-4604'	4 JSPF	32 holes			

## ATTACHMENT E-6

### Federal 9-20-9-16

Injection Wellbore

Diagram

Cement top @ 88'

Casing Shoe @ 313'

Spud Date: 6-14-07 Put on Production: 8-23-07 GL: 6095' KB: 6107'

#### SURFACE CASING

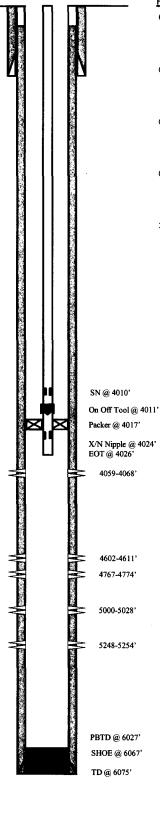
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (302.22') DEPTH LANDED: 313.12' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 156 jts. (6053.98') DEPTH LANDED: 6067.23' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. CEMENT TOP AT: 88'

#### TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 127 jts (3997.8') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4009.8' KB ON/OFF TOOL AT: 4010.9' ARROW #1 PACKER CE AT: 4016.8' XO 2-3/8 x 2-7/8 J-55 AT: 4019.7' TBG PUP 2-3/8 J-55 AT: 4020.2' X/N NIPPLE AT: 4024.3' TOTAL STRING LENGTH: EOT @ 4026'



FRAC JOB	
08-17-07 5248-5254'	Frac LODC sands as follows: 14994# 20/40 sand in 282 bbls Lightning 17 frac fluid. Treated @ avg press of 2477 psi w/avg rate of 24.8 BPM. ISIP 2540 psi. Calc flush: 5246 gal. Actual flush: 4704 gal.
08-17 5000-5028'	Frac LODC sands as follows: 151355# 20/40 sand in 1050 bbls Lightning 17 frac fluid. Treated@ avg press of 1647 psi w/avg rate of 24.8 BPM. ISIP 2100 psi. Calc flush: 4998 gal. Actual flush: 4494 gal.
08-17-07 4764-4774'	Frac B.5 sands as follows: 19761#20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 2232 psi w/avg rate of 24.8 BPM. ISIP 4148 psi. Calc flush: 4762 gal. Actual flush: 3839 gal.
08-17-07 4602-4611'	Frac D2 sand as follows: 45991#20/40 sand in 435 bbls Lightning 17 frac fluid. Treated @ avg press of 2094 w/ avg rate of 24.8 BPM. ISIP 1850 psi. Calc flush: 4600 gal. Actual flush: 4515 gal.
2/1/2010	Pump change. Updated rod and tubing detail.
12/05/12 4059-4068'	Frac GB4 sand as follows: 21580# 20/40 sand in 250 bbls Lightning 17 frac fluid.
12/06/12	Convert to Injection Well
12/11/12	Conversion MIT Finalized – update tbg detail

PERFORATION RECORD						
08-13-07	5248-5254'	4 JSPF	24 holes			
08-17-07	5000-5028'	4 JSPF	112 holes			
08-17-07	4767-4774'	4 JSPF	28 holes			
08-17-07	4602-4611'	4 JSPF	36 holes			
12/04/12	4059-4068'	3 JSPF	27 holes			

### NEWFIELD

Federal 9-20-9-16 2011' FSL & 789' FEL NE/SE Section 20-T9S-R16E Duchesne Co, Utah API # 43-013-33068; Lease # UTU-74391



### Federal 10-20-9-16

SURFACE CASING         FAC JOB           CSG SIZE 3-8/87         GRADE ::35         Proc CFS statis to fiders: fits fluid. Transfig ary press of 18/87.09/18/12:235 /r blass: 10:23 /r blass of the class in the clas in the class in the class in the class in the class i	Put on Production: 8-31-07 GL: 6105' KB: 6117'		Wellbo	re Diagra	m			MCFD,	roduction: BWPD	BOPI	
Cost State: 3-54°         Createst taple:           WEIGHT: 34         Createst taple: 224'           UPCOPE_01500         Createst taple: 224'           DBSTH LANDED: 315.21 'KB         Createst taple: 224'						FRAC .IC	B				
LINDRY 12, 19 (19) 30 DEPTIL ANDED 31/2 17 KB MOLE 3022 12/41 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING GRADE. 3/5 WEGGT 15.5 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING GRADE. 3/5 WEGGT 15.5 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING GRADE. 3/5 WEGGT 15.5 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING GRADE. 3/5 WEGGT 15.5 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING GRADE. 3/5 WEGGT 15.5 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING GRADE. 3/5 WEGGT 15.5 CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont to set." PRODUCTION CASING CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont for set." PRODUCTION CASING CEMENT DATA: 160 as Clas. "O" onl. et 7 bits ont for set." PRODUCTION CASING CEMENT DATA: 160 as S000 POZ. CEMENT TO AT: 200 TUBING SUBJECT DATA: 160 as S000 POZ. CEMENT TO AT: 200 CEMENT TO AT: 200	CSG SIZE: 8-5/8" GRADE: J-55							45032#	20/40 sand in	460 bbls L	
BIOL DECORPTION CASING         999949 2001 and in 65 bits Lighter for due to surf.           DCMINT DATA: 169 bits Class "O" exit, et 7 bits cuit to surf.         98-29 47           PRODUCTION CASING         06-29-07           CG0 SIZE: 5-17"         98-29 47           CG0 SIZE: 5-17"         98-29 51           CG0 SIZE: 5-17"         98-19 51           CG0 SIZE: 5-17"         98-19 51           SIZE: CG0 SIZE: 5-17"         98-10 50           SIZE: CG0 SIZE: 5-17"         98-10 50           SIZE: CG0 SIZE: 5-17"         98	LENGTH: 7 jts (303.36')	o@ 220				00.00.07	5000 5040V	flush: 5	971 gal. Actua	l flush: 51	
PRODUCTION CASING GRADE :45 WEIGHT: 15:49         (0:23:07         420:4950         Free At mode is 40 beau india. Thereoid is a prove of 108 may mode is 40 beau india. Thereoid is a prove of 108 may mode is 40 beau india. Thereoid is a prove of 108 may mode is 100 beau india. Thereoid is a prove of 108 may mode is 100 beau india. Thereoid is a prove of 108 may mode is 100 beau india. Thereoid is a prove of 108 may mode is 100 beau india. Thereoid is a prove of 108 may mode is 100 beau india. Thereoid is a prove of 108 may mode is 100 beau india. Thereoid is a prove of 108 may mode is 100 beau india. There is a dataset to the india. Th	DEPTH LANDED: 315.21' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.					08-29-07	5002-5040	89993# frac flui w/avg r	20/40 sand in d. Treated @ ate of 24.7 BP	694 bbls I avg press M. ISIP 25	of 1981 p 506 psi. C
SGG SIZE: 5-1/2*       9805667 2004 mark 6 77 2 bit. Lightmark: 775 git. Academic Size: 5-1/2*         GRADE: 1-35       WEIGHT: 1-55         WEIGHT: 1-55       900567 2004 mark 6 772 git. Academic Size: 5-1/2*         DEPTI LANDED: SPA3015 KD       0-28.05         DEVELO: SPA3015 KD       0-28.05         DEVELO: SPA3015 KD       0-28.05         DEVELO: SPA3015 KD       0-29.05         SUBJE: G6.071       0-29.05         DEVELO: SPA3015 KD       0-29.05         SUCKER RODS       0-29.07 KB         UCKER RODS       0-29.07 KB         URMP SPEED. SPM: 5 SPM         DEVETIELD <td></td> <td></td> <td>Z</td> <td></td> <td>Y</td> <td>08-29-07</td> <td>4920-4936'</td> <td>Frac A 114939 frac flui w/avg r</td> <td>1 sands as foll # 20/40 sand in d. Treated @ ate of 24.7 BP</td> <td>lows: n 845 bbls avg press M. ISIP 22</td> <td>Lightning of 1896 p 218 psi. C</td>			Z		Y	08-29-07	4920-4936'	Frac A 114939 frac flui w/avg r	1 sands as foll # 20/40 sand in d. Treated @ ate of 24.7 BP	lows: n 845 bbls avg press M. ISIP 22	Lightning of 1896 p 218 psi. C
NEIGHT: 153 (1997.26')         DEPTI LESTE: 153 (1997.26')         DEPTI LESTE: 153 (1997.26')         DEPTI LESTE: 153 (1997.26')         CEMENT DATA: 300 ass Pren. Lik II mixed & 400 ass 50'50 POZ.         CEMENT TOP AT: 226'         TUBING         SIZE-GRADE WT: 2.78' / 1-53 / 6.5#         NO. OF JOINTS: 151 (1-6')         SEATTING NIPPLE: 2.78' (1.10')         NO. ADDORTS: 153 (1-10')         SIALADDED, 5502 KB         UCKER RODS         NOLADED T: 25782 KB         NOLADED T: 25782 KB         NO. OF JOINTS: 153 (1-10')         SIALADED T: 25782 KB         NOLADED T: 25782 KB         NOLENET T: 1-12" 16 12" 1-12" 16 20	PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55					08-29-07	4794-4814'	80966# frac flui avg rate	20/40 sand in d. Treated @ of 24.7 BPM.	672 bbls I avg press ISIP 2205	of 2005 w 5 psi. Cale
DEPTH LANDED: 5943.51' KB         6/10/2010         Parad rods, Update rod and tubing dem           CEMENT DAT: 320'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         6/10/2010         Parad rods, Update rod and tubing dem           SIZE: 07.87'         10/15/11         10/15/11         10/15/11           SIX: 07.87'         10/15/11         10/15	WEIGHT: 15.5#								-		-
NOLE SIZE: 7-78"       010-2010       Parled rold. Update rold and tubing deta         CREMENT TOP AT: 225'       1						05/28/08		Tbg les	ik. Updated tu	bing and re	od detail
CEMENT DATA: 300 iss Prem. Lite II mixed & 400 iss 50:50 POZ. CEMENT TOP AT: 25' TUBING SIZE/CRADEWT: 2-78" /-55 / 6.5# NO. OF JOINTS: 15 /s (169') TUBING ANCHOR: 5693' KB NO. OF JOINTS: 15 /s (16) SEATINO INPIPLIE: 2-78" (1.10') SEATINO INPIPLIE: 2-78" (1.10') SIX IANDED AT: 25 /s (3.0') TOTAL STRINO LENGTH: EOT @ 5792.90' KB UCKER RODS NOLS: 2.16' 1-1' 2-2' x8" pony sub, 222-3/4; guided ond(103.ewg), 6-11/2" x26' SM SUCKER RODS: 2.16' 1-1' 2-2' x8" pony sub, 222-3/4; guided ond(103.ewg), 6-11/2" x10'' is 20 RHAC w/SM plunger STROEL ENGTH: 120" PUMP SEE: 2.16'' 1-1' 2-2' x8" pony sub, 222-3/4; guided Ord(101.ewg), 6-11/2" to 20 RHAC w/SM plunger STROEL ENGTH: 120" PUMP SEE: 2.16'' 1-1' 1-2'' to 20 RHAC w/SM plunger STROEL ENGTH: 120" PUMP SEE: 2.16'' 1-1' 1-2'' to 20 RHAC w/SM plunger STROEL ENGTH: 120" PHTD @ 5901' SHOE @ 5944' TD @ 5950'						6/10/2010		Parted r	ods. Update ro	d and tubi	ng details
CEMENT TOP AT: 226'         TUBING         SIZE/GRADEWT: 2-7/8"/1-55 /6.5 #         NO. OF JOINTS 115 (6593)         TUBING ANCHOR: 5693 KB         NO. OF JOINTS 115 (1616)         SIZE/GRADEWT: 2-7/8" (1-10')         SNLANDED AT: 5728 4' KB         NO. OF JOINTS 115 (1616)         SUCKER RODS         VOLISHED ROD: 1-1/2" x 26' SM         SUCKER RODS         SUCKER R		7.									
SIZE/GRADEWT: 2-7/8*7/1-55 / 6.5#         NO. OF JOINTS: ISI Jp. (6997)         TUBING ANCHOR: 5693 XB         NO. OF JOINTS: ISI jp. (16.7)         SEATING NIPPLE: 2-7/8* (1.10°)         SIX LANDED AT: 572.4* KB         NO. OF JOINTS: Jp. (16.7)         SIX TOTAL STRING LENGTH: EOT @ 5792.90* KB         UCKER RODS         SIX STRING         SIX STRING         LUCKER RODS         SIX STRING LENGTH: EOT @ 5792.90* KB         SIX STRING LENGTH: 12" weight bas         POLISHED ROD: 1-1/2" x 26* SM         SIX STRING LENGTH: 12"         Federal 10-20-9-16         2041' FSL & 1892' FEL         NW/SE Section 20-T99S-R16E            NW/SE Section 20-T99S-R16E	CEMENT TOP AT: 226'										
SIZE/GRADEWT, 2-78" (1-55/6-54 NO. OF JOINTS: 181 js (5693) TUDING ANCHOR: 5997 XB NO. OF JOINTS: 1js (14.0) SEATINO NIPPLE: 2-78" (1.10°) SILANDED AT: 5728 ' KB NO. OF JOINTS: 2 js (53.0°) TOTAL STRING LENGTH: EOT @ 5792.90' KB UCKER RODS SN 5728' NOLSHED ROD: 1-1/2" x 26' SM SUCCER RODS - 5736 - 5748' PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger SN 5728' PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger SN 5728' PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger SN 5728' PUMP SPEED, SPM: 5 SPM PUMP SPEED, SPM: 5 SPM PUMP SPEED, SPM: 5 SPM	TUBING				- 4704 4914						
TUBING ANCHOR: 5693' KB         NO. OF JOINTS: 1 js (31.6')         SEATING NIPPLE: 2-78" (1.10')         NS LANDED AT: 578.4 'KB         NO. OF JOINTS: 2 js (63.0')         TOTAL STRING LENGTH: EOT @ 5792.90' KB         JUCKER RODS         SULKER RODS:	SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#		T		- 4/94-4014						
NO. OF JOINTS: 1 is (31.6') SEATING NIPPLE: 2-78" (1.10') SN 1ANDED AT 5728.4' KB NO. OF JOINTS: 2 js (63.0') TOTAL STRING LENGTH: EOT @ 5792.90' KB UCKER RODS POLISHED ROD: 1-12" x 26' SM SUCKER RODS: 2-16' 1-1'-2' x 3" pony sub, 222-3/4: guided of8(139ew), 61-12" x 16'x 20 RHAC w/SM plunger STROKE LENGTH: 120" PUMP SPEED, SPM: 5 SPM Federal 10-20-9-16 2041' FSL & 1892' FEL NW/SE Section 20-T9S-R16E	NO. OF JOINTS: 181 jts (5693')				-						
NO. OF JOINTS: 1 is (31.6') SEATING NIPPLE: 2-78" (1.10') SN 1ANDED AT 5728.4' KB NO. OF JOINTS: 2 js (63.0') TOTAL STRING LENGTH: EOT @ 5792.90' KB UCKER RODS POLISHED ROD: 1-12" x 26' SM SUCKER RODS: 2-16' 1-1'-2' x 3" pony sub, 222-3/4: guided of8(139ew), 61-12" x 16'x 20 RHAC w/SM plunger STROKE LENGTH: 120" PUMP SPEED, SPM: 5 SPM Federal 10-20-9-16 2041' FSL & 1892' FEL NW/SE Section 20-T9S-R16E	TUBING ANCHOR: 5693' KB				<del>-</del> 4920-4936'						
SN LANDED AT: 5728.4 KB NO. OF JOINTS: 2 js (63.0') TOTAL STRING LENGTH: EOT @ 5792.90' KB UCKER RODS POLISHED ROD: 1-1/2" x 26' SM SUCKER RODS: 2-16' 1-12' x 16' 20 RHAC w/SM phanger STROKE LENGTH: 1-20" PUMP SIZE: 2-1/2" x 1-1/2" x 16' 20 RHAC w/SM phanger STROKE LENGTH: 120" PUMP SPEED, SPM: 5 SPM Federal 10-20-9-16 2041' FSL & 1892' FEL NW/SE Section 20-T9S-R16E	NO. OF JOINTS: 1 jts (31.6')										
Anchor @ 5693'       PERFORATION RECORD         UCKER RODS       SN 5728'         POLISHED ROD: 1-1/2" x 26' SM       SN 5728'         SUCKER RODS: 2-16' 1-4' 1-2' x x" pony sub, 222-3/4: guided rods(U3aev), 6-1 1/2'' wight bars       902-07' 5002-5013' 4 15FP 44 ba         PUMP SIZE: 2-1/2" x 1-1/2" x 16'x 20 RHAC w/SM plunger       5736-5748'       08-24-07' 5002-5013' 4 15FP 44 ba         PUMP SIZE: 2-1/2" x 1-1/2" x 16'x 20 RHAC w/SM plunger       BOT @ 5792'       08-29-07' 4794-4814' 4 JSFF 80 ba         PUMP SPEED, SPM: 5 SPM       BOT @ 5792'       BTD @ 5903'         Federal 10-20-9-16       SO41' FSL & 1892' FEL       NW/SE Section 20-T9S-R16E	SEATING NIPPLE: 2-7/8" (1.10')		I		= 5002-5013'						
NEWFIELD       Packar 10-20-9-16         2041' FSL & 1892' FEL       NW/SE Section 20-T9S-R16E	SN LANDED AT: 5728.4' KB			2	<b>5030-5040</b>						
UCKER RODS       Anchor @ 5693'       PERFORATION RECORD         POLISHED ROD: 1-1/2" x 26' SM       5736-5748'       08-24-07       5736-5748'       4185PF       48 ho         SUCKER RODS: 2-16' 1-4' 1-2' x %" pony sub, 222-3/4: guided       08-29-07       5030-5040'       4185PF       49 ho         PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger       5736-5748'       08-29-07       5030-5040'       4185PF       49 ho         RICKELE RODI: 1-120"       NUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger       EOT @ 5792'       08-29-07       4794-4814'       4185PF       80 ho         RUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger       EOT @ 5792'       EOT @ 5792'       08-29-07       4794-4814'       4185PF       80 ho         RUMP SPEED, SPM: 5 SPM       Federal 10-20-9-16       2041' FSL & 1892' FEL       PBTD @ 5903'       SHOE @ 5944'       TD @ 5950'       U @ 5950'       U @ 5950'	-										
UCKER RODS         Intervention         Interventinterventintervention         Intervention         <	TOTAL STRING LENGTH: EOT @ 5792.90' KB										
POLISHED ROD: 1-1/2" x 26' SM       00-240') 570'574'' 4' 137'F 4's lit         SUCKER RODS: 2-16' 1-4' 1-2' x ½" pony sub, 222-3/4: guided       08-29-07       5002-5013'       4 JSPF       4 bit         08-29-07       5002-5014'       4 JSPF       4 bit       08-29-07       5002-5013'       4 JSPF       4 bit         08-29-07       5002-5013'       4 JSPF       4 bit       08-29-07       5002-5013'       4 JSPF       4 bit         08-29-07       4794-4814'       4 JSPF       8 bit       08-29-07       4794-4814'       4 JSPF       8 bit         PUMP SPEED, SPM:       5 SPM       Federal 10-20-9-16       2041' FSL & 1892' FEL       PBTD @ 5903'       SHOE @ 5944'       TD @ 5950'	UCKER RODS	CNI 6779)						PERFOR	ATION REC	ORD	
NEWFIELD       08-29-07       5002-5013'       4 JSPF       44 bc         08-29-07       4920-4936'       4 JSPF       64 bc         08-29-07       4920-4936'       4 JSPF       64 bc         08-29-07       4920-4936'       4 JSPF       80 bc         STROKE LENGTH:       120"       PUMP SIZE:       2-1/2" x 16' x 20 RHAC w/SM plunger       08-29-07       4794-4814'       4 JSPF       80 bc         STROKE LENGTH:       120"       PUMP SPEED, SPM:       5 SPM       5 SPM       EOT @ 5792'       EOT @ 5792'         NEWFIELD       Stroke & 1892' FEL       NW/SE Section 20-T9S-R16E       Stroke & 1892' FEL       TD @ 5950'		SN 5728			5736-5748'						48 hole
PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger       08-29-07 4794-4814' 4 JSPF 80 hd         STROKE LENGTH: 120"       08-29-07 4794-4814' 4 JSPF 80 hd         PUMP SPEED, SPM: 5 SPM       EOT @ 5792'         Federal 10-20-9-16       SHOE @ 5903'         2041' FSL & 1892' FEL       SHOE @ 5944'         TD @ 5950'       TD @ 5950'	SUCKER RODS: 2-16' 1-4' 1-2' x 3'" pony sub, 222-3/4: guided							08-29-07	5002-5013'	4 JSPF	40 hole 44 hole 64 hole
STROKE LENGTH: 120" PUMP SPEED, SPM: 5 SPM	· · · · · · · · · · · · · · · · · · ·										80 hole
PUMP SPEED, SPM: 5 SPM			8								
NEWFIELD         Federal 10-20-9-16         2041' FSL & 1892' FEL         NW/SE Section 20-T9S-R16E	PUMP SPEED, SPM: 5 SPM										
Federal 10-20-9-16         SHOE @ 5944'           2041' FSL & 1892' FEL         TD @ 5950'           NW/SE Section 20-T9S-R16E         E					EOT @ 5792'						
Federal 10-20-9-16         SHOE @ 5944'           2041' FSL & 1892' FEL         TD @ 5950'           NW/SE Section 20-T9S-R16E         E					PBTD @ 5903'						
Federal 10-20-9-16         TD @ 5950'           2041' FSL & 1892' FEL         TD @ 5950'           NW/SE Section 20-T9S-R16E         TD @ 5950'					-						
2041' FSL & 1892' FEL NW/SE Section 20-T9S-R16E	Federal 10-20-9-16										
	2041' FSL & 1892' FEL		-23	<i>.</i>	1 D @ 5950'						
Duchesne Co, Utah	NW/SE Section 20-T9S-R16E										
	Duchesne Co. Utah										

API # 43-013-33108; Lease # UTU-74391

## ATTACHMENT E -℅

#### Spud Date: 11/29/05

Put on Production: 11/17/06 K.B.: 6154, G.L.: 6142

#### SURFACE CASING

CSG SIZE: 8-5/8" (G GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (262.90') DEPTH LANDED: 323.15' KB Ca HOLE SIZE:12-1/4" CEMENT DATA: 300 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 136 jts. (6010.04") DEPTH LANDED: 6023.29" KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 145 jts (4556.4') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4568.4' KB CE @ 4572.77' TOTAL STRING LENGTH: EOT @ 4575.87' KB

# Packer @ 4573' EOT @ 4576' 4612-4629' 4650-4668' 4726-4734' 5135-5148' 5256-5269' PBTD @ 5880' TD @ 6050'

Federal 11-20-9-16

Injection Wellbore Diagram

Cement Top@ 8'

Casing Shoe @ 323'

FRAC JOB	
11/13/06 5256-5269'	Frac LODC sands as follows: 78169# 20/40 sand in 622 bbls Lightning 17 frac fluid. Treated @ avg press of 2527 psi w/avg rate of 25.4 BPM. ISIP 2720 psi. Calc flush: 5267 gal. Actual flush: 4746 gal.
11/13/06 5135-5148' 11/13/06 4612-4629'	Frac LODC sands as follows: 101332# 20/40 sand in 784 bbls Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.2 BPM. ISIP 1800 psi. Calc flush: 5146 gal. Actual flush: 4620 gal. Frac C, D3 sands as follows:
	184392# 20/40 sand in 1225 bbls Lightning 17 frac fluid. Treated @ avg press of 1436 psi w/avg rate of 24.3BPM. 1640 psi. Calc flush: 4627 gal. Actual flush: 4494 gal.
11/27/06	Pump Change. Update rod and tubing details.
	Major Workover
05/14//08 4612-4629'	Acidize D2 sands: Pump 16.6 bbls techni-hib 767, W/ 10.1 bbls acid,. ISIP @ 950 psi.
05/14//08 4650-4668'	Acidize D3 sands: Pump 16 bbls techni-hib 767, W/ 10.7 bbls acid,. ISIP @ 675 psi.
1/9/09	Tubing Leak. Updated rod & tubing details.
2/2/2010	Tubing leak. Updated rod and tubing details.
11/20/2010	Tubing leak. Updated rod and tubing detail.
3/20/2012	Tubing leak: Updated rod and tubing detail.
04/11/12	Convert to Injection Well
04/17/12	Conversion MIT Finalized - update tbg

detail

PERFORATION RECORD							
11/06/06	5256-5269'	4 JSPF	52 holes				
11/13/06	5135-5148'	4 JSPF	52 holes				
11/13/06	4726-4734'	4 JSPF	32 holes				
11/13/06	4650-4668'	4 JSPF	72 holes				
11/13/06	4612-4629'	4 JSPF	68 holes				

### NEWFIELD

Federal 11-20-9-16 2143' FSL & 2155' FWL NE/SW Section 20-T9S-R15E Duchesne Co, Utah API #43-013-32598; Lease #UTU-74391

## ATTACHMENT E-9

### Federal 7-20-9-16

TOC @ 48'

Spud Date: 6-6-07 Put on Production: 8-12-05 GL: 6078' KB: 6090'

#### SURFACE CASING

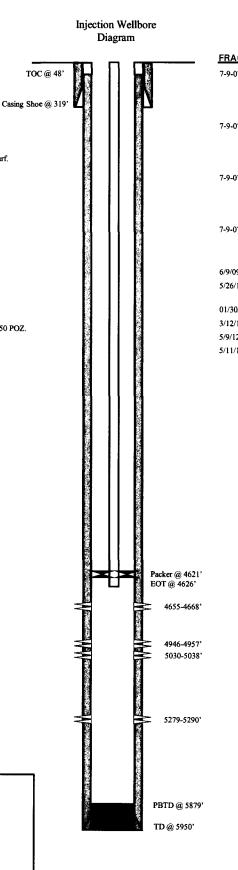
CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH:.7 jnts (306.9') DEPTH LANDED: 318.75' KB HOLE SIZE:12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 1343 jts. (5918.61') DEPTH LANDED: 5931.86' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ. CEMENT TOP AT: 48'

#### TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 146 jts (4605') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4617' KB ARROW #1 PKR CE @ 4621.42' TOTAL STRING LENGTH: EOT @ 4626'



AC JOB	
07 5279-5290''	Frac LODC, sands as follows: 29,554# 20/40 sand in 370 bbls Lightning 17 frac fluid. Treated @ avg press of 1987 psi w/avg rate of 24.7 BPM. ISIP 2284 psi. Calc flush:5277 gal. Actual flush: 4746 gal.
07 5030-5038'	Frac LODC sands as follows: 24,274# 20/40 sand in 368 blobs Lightning 17 frac fluid. Treated@ avg press of 2044 psi w/avg rate of 24.7 BPM. ISIP 2143 psi. Cale flush: 5028 gal. Actual flush: 4557 gal.
07 4946-4957'	Frac A3 sands as follows: 40,017# 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 1862 psi w/avg rate of 24.7 BPM. ISIP 2238 psi. Calc flush: 4344 gal. Actual flush: 4389 gal.
07 4655-4668'	Frac D3 sands as follows: 48,763# 20/40 sand in 450 bbls Lightning 17 frac fluid. 24.8 BPM. Calc flush: 4653 gal. Actual flush: 4578 gal.
09	Stuck Pump. Updated rod & tubing details.
5/11	Pump Change. Updated rod and tubing detail.
30/12	Parted rods. Updated rod and tubing detail
2/12	Pump change: Updated rod & tubing detail
12	Convert to Injection Well
/12	Conversion MIT Finalized – update tbg detail

PERFORATION RECORD						
7-3-07	5279-5290'	4 JSPF	44 holes			
7-9-07	5030-5038'	4 JSPF	32 holes			
7-9-07	4946-4957'	4 JSPF	44 holes			
7-9-07	4655-4668'	4 JSPF	52 holes			

#### NEWFIELD J.

Federal 7-20-9-16 2098' FNL & 1961' FEL SW/NE Section 20-T9S-R16E Duchesne Co, Utah API #43-013-33106; Lease #UTU-52018

Attachment E-10

Spud Date: 05/16/07	FEDERA	AL 1-2	20-9-16			
Put on Production: 07/25/07	Tair	tion Walls -	70			
GL: 6038' KB: 6050'	-	tion Wellbo Diagram	ic.			
SURFACE CASING				ERAC JC	B	
GRADE: J-55 WEIGHT: 24#	nt Top @ 60'			07/19/07	5526-5544'	Frac CP1 sands as follows: 40327# 20/40 sand in 416 bbls Lightning frac fluid. Treated @ avg press of 2186 p w/avg rate of 24.7 BPM. ISIP 2165 psi. flush: 5524 gal. Actual flush: 5002 gal.
LENGTH: 7 jts. (312.36') DEPTH LANDED: 324.21' KB Casing: HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.	Shoe @ 324'			07/19/07	5124-5138'	Frac LODC sands as follows: 60273# 20/40 sand in 510 bbls Lightning frac fluid. Treated @ avg press of 2674 p w/avg rate of 24.8 BPM. ISIP 2760 psi. C flush: 5122 gal. Actual flush: 4582 gal.
				07/19/07	4780-4795'	Frac C sands as follows: 60060# 20/40 sand in 510 bbls Lightning frac fluid. Treated @ avg press of 1833 p w/avg rate of 24.8 BPM. ISIP 1800 psi. flush: 4778 gal. Actual flush: 4288 gal.
PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55				07/19/07	4680-4694'	Frac D2 sands as follows: 79938# 2040 sand in 623 bbls Lightning frac fluid. Treated @ avg press of 1860 p w/avg rate of 24.8 BPM. ISUP 1960 psi.
WEIGHT: 15.5# LENGTH: 137 jts. (6015.83') DEPTH LANDED: 6029.08' KB HOLE SIZE: 7-7/8"				07/20/07	4160-4167'	flush: 4678 gal. Actual flush: 4120 gal Frac GB6 sands as follows: 25213# 20/40 sand in 335 bbls Lightning frac fluid. Treated @ avg press of 2145 p w/avg rate of 24.3 BPM. ISIP 2025 psi, 0.000 f 2014 spl
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.	. []			1/26/09		flush: 5503 gal. Actual flush: 4914 gal Pump Change. Updated r & t details.
CEMENT TOP: 60'					4636-4639'	Frac D1 sands as follows: 12260# 20/40 sand in 178 bbls Lightning frac fluid.
TUBING				10/09/12		Convert to Injection Well
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 133 jts (4089.7') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4102 KB ON/OFF TOOL AT: 4102.8' ARROW #1 PACKER CE AT: 4107.75'			SN @ 4102'	10/12/12		Conversion MIT Finalized – update tbg detail
XO 2-3/8 x 2-7/8 J-55 AT: 4111.6'			-			
TBG PUP 2-3/8 J-55 AT: 4112.1' X/N NIPPLE AT: 4116.5'			On Off Tool @ 410 Packer 4108'	3'		
FOTAL STRING LENGTH: EOT @ 4118'			X/N Nipple @ 4116			
	[]	니	EOT @ 4118'			REPEOPATION RECORD
	₩ 		= 4160-4167			PERFORATION RECORD           07/10/07         5526-5544'         4 JSPF         72 holes           07/19/07         5124-5138'         4 JSPF         56holes           07/19/07         4780-4795'         4 JSPF         60 holes           07/19/07         4680-4694'         4 JSPF         56 holes
	E	E	E 4636-4639' E 4680-4694'			07/19/07 4160-4167' 4 JSPF 28 holes
	Į	I				10/05/12 4636-4639' 3 JSPF 9 holes
	Tî -	ĥ	4780-4795'			
	ħ	Ē	5124-5138'			
	1	FP	5526-5544'			
NEWFIELD	ן ך		PBTD @ 5958'			
FEDERAL 1-20-9-16			SHOE @ 6029'			
617'FNL & 652' FEL		N State	TD @ 6050			
NE/NE Section 20-T9S-R16E						
Duchesne Co, Utah						
·						

API #43-013-33066; Lease # UTU-52018

LCN 10/18/12

## ATTACHMENT E-11

### Monument Federal #22-20

Wellbore Diagram

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 253.07'			8/20/96	5273'-5277'	BJ Services: 2058 water w/ 32 ball se Ball action but no I ATP= 3000 psi, A' ISIP= 1920 psi.	ealers. ball off.	
DEPTH LANDED: 263.07 KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sks super "G", 2% CaCl <sub>2</sub> , 1/4#/sk Cello-flake. Returned 10 bbls to pit.		6	9/22/96	4961'-4965' 4972'-4977'	BJ Services: 1806 water w/ 28 ball s off. ATP= 2200 p ISIP= 1500 psi.	ealers. Balled	
		6	W22/96	5015'-5025'	BJ Services: 2100 off. ATP= 2600 p ISIP= 1500 psi.		r w/ 40 ball sealers
CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 5696.50'	- T@ 1110	٤	9/22/96	5073'-5076' 5094'-5098' 5115'-5119'	BJ Services: 2394 water w/ 44 balls off. ATP= 2500 p ISIP= 1300 psi.	ealers. Balled	
HOLE SIZE: 7-7/8" CEMENT DATA: 181 sks super "G", 3% salt, 2% gel, 2#/sk Kol-seal, 1/4#/sk Cello-flake, Tail w/ 400 sks	nt Top@ 1110'	E	8/22/96	5141'-5148' 5151'-5153'	BJ Services: 2436 water w/ 36 ball s- off. ATP= 3600 p ISIP= 2100 psi.	ealers. Balled	
50/50 POZ, 2% gel, 1/4#/sk Cello-flake, 2#/sk Kol-seal. CEMENT TOP AT: 1110' KB		ε	V29/96	4574'-4576'	BJ Services: 1554 water w/ 8 ball se off. ATP= 2700 p ISIP= 1550 psi.	alers. Balled	
TUBING		6	W29/96	4632'-4638'	BJ Services; 1722 water w/ 20 ball so but no ball off. ATI ATR= 3.8 bpm, IS	ealers. Ball action P= 3000 psi,	
NO. OF JOINTS: 144 Jts (4513.91') TUBING ANCHOR: 2-7/8'x5-1/2'x2.75' NO. OF JOINTS: 25 Jts (778.60') SEATING NIPPLE: 2-7/8'x1.10' PERFORATED SUB: 2-7/8'x4.20' MUD ANCHOR: 2-7/8'x31.40' STRING LENGTH: 5342.36' SN LANDED AT: 5305.26' KB		4574'-4576	8/21/5 8/23/5		KCL wate sand & 10 ATP= 350 ISIP= 243 10 min= 1 30 min= 1 BJ Servic KCL wate sand & 11	es: 11,214 gal 2 rr w/ 5700# 20/4 0,000# 16/30 sar 00 psi, 4TR= 19. 80 psi, 5 min= 21 090 psi, 15 min= 910 psi. es: 52,626 gal 2 rr w/ 52,200# 20 19,780# 16/30 sa 0 psi, 4TR= 55.	0 nd. 8 bpm, 50 psi, = 2020 psi, % /40 and.
SUCKER RODS		4632'-4638			ISIP= 211	0 psi, 5 min= 17 630 psi, 15 min=	756 psi,
WELL LAST PULLED: Completion POLISHED ROD: 1-1/4"x22' SM SUCKER RODS: 210-3/4"x25' D-61 Plain 1-7/8"x2' Pony w/ 2-1/2" guide 1-1-1/2"x25' K-Bar 1-7/8"x2' Pony w/ 2-1/2" guide TOTAL STRING LENGTH: 5301'		4961'-4965 4972'-4977 5015'-5025 5073'-5076 5094'-5098	, 8/30/9 ,	96 4574'-457 4632'-44	538' KCL wate ATP= 350 ISIP= 187	es: 13,398 gal 2 nr w/ 36,400# 16 00 psi, ATR= 29, 10 psi, 5 min= 16 430 psi, 15 min= 090 psi.	/30 sand. 8 bpm, 300 psi,
PUMP NUMBER: Trico #1187		ŝ.		PERFO	RATION RECOR	D	
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC		5141'-5148 5151'-5153			Schlumberger		4 SPF
w/ SM Plunger STROKE LENGTH: 72 inches PUMP SPEED, SPM: 4.2 spm PUMPING UNIT SIZE: Lufkin C16D-173-74	an Mariana an Anna an A	±5273'-5277		8/22/96	Schlumberger	4972'-4977' 5015'-5025'	2 SPF 2 SPF 2 SPF
SN: E100070M458691 PRIME MOVER: Ajax E-30, 7-1/4"x8" SN: 79866		SN LANDED ( EOT LANDED				5073'-5076' 5094'-5098' 5115'-5119' 5141'-5148'	2 SPF 2 SPF 2 SPF 2 SPF
TANK SIZES & NUMBERS: 2-400 bbl Natco 12'x20' TANK #15N: 8D-16101-03 TANK #2 SN: 8D-16101-02	Β	PBTD @ 5659 TD @ 5750' K		8/29/96	Schlumberger	5151'-5153' 4574'-4576' 4632'-4638'	2 SPF 4 Holes 10 Holes
WFIELD N ment Butte							

Monument Butte Lease #U-52018 SE NW Section 20, T9S, R16E 1980' FNL, 1980' FWL Duchesne County, Utah

Elev.GR - 6097' GL Elev.KB - 6107' KB (10' KB)

## ATTACHMENT E-12

Spud Date: 1/04/85 Put on Production: 4/08/85 GL: 6051' KB: 6030-6063 ,

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## NGC Fed. 31-20G-9-16

#### Wellbore Diagram

#### Initial Production: 88 BOPD, 62 MCFPD, 21 BWPD

SURFACE CASING CSG SIZE: 8-5/8"	¥				
GRADE: K-55			3/10/85	5530'-5556'	Frac zone as follows:
WEIGHT:24#	÷				120,000# 20/40 sand + 30,000# 12/20 sand 1263 bbl gel. Average treating pressure 28
LENGTH: 7 jts. (319.75')					psi at 20 BPM. ISIP 2500 psi. Calc. flush:
DEPTH LANDED: 319'	41				5530 gal. Actual flush: 3654 gal. 3/10/85
HOLE SIZE:12-1/4"			3/17/85	4760'-4780'	Frac zone as follows:
CEMENT DATA: 250 sxs Class "H"					45,000# 20/40 sand + 12,135# 12/20 sand i 1112 bbl gel. Average treating pressure 310 psi at 20 BPM. ISIP 1800 psi. Calc. flush: 4760 gal. Actual flush: 1260 gal.
			3/26/85	4692'-4702'	Frac zone as follows: 32,000# 20/40 sand + 14,000# 12/20 sand i 581 bbl gel. Average treating pressure 3200 psi at 25 BPM. ISIP 2000 psi. Calc. flush: 400 zero 1 Annuel Annuel 2444 articles 24444 articles 24444 articles 24444 articles 2444
PRODUCTION CASING			1/31/98	5082'-5105'	4692 gal. Actual flush: 3444 gal. Frac zone as follows: 120,000# 20/40 sand in 489 bbl gel. Average
CSG SIZE: 5-1/2" / J-55 LT&C / 15.5#					treating pressure 6600 psi at 24.8 BPM. ISI 4693 psi. Calc. flush: 1317 gal. Actual flush
LENGTH: 74 jts. CSG SIZE: 5-1/2" / K-55 / 15.5#					1737 gal.
LENGTH: 74 jts.					
	ment Top@ 2450'				
HOLE SIZE: 7-7/8"					
CEMENT DATA: 240 sxs Lite, tail w/ 570 sxs Class "H" CEMENT TOP AT: 2450' per CBL	ŝ				
TURING					
TUBING					
SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#					
NO. OF JOINTS: 172 jts. (5457.93')					
TUBING ANCHOR: 5469.93' KB					
NO. OF JOINTS: 2 jts. (62.00')					
SN LANDED AT: 1.10' x 2 7/8" (5533.03') KB					
NO. OF JOINTS: 1 jt. (31.90')					
TOTAL STRING LENGTH: 5564.93' KB					
		4692'-470	17'		
		4092 470	,2		
SUCKER RODS	<b>F</b>	4760'-478	0,		
POLISHED ROD: 1-1/4" X 22'					
	7/07				
SUCKER RODS: 4 - 1-1/2" weight rods, 154 - 3/4" slick rods, 61 - guided rods, 1-4', 1-6', 1-10' x 7/8" pony rods	//8	5082'-509	·?'		
PUMP SIZE: 2-1/2" x 1-1/2' x 16' RHAC	T	JU82 -509	2		
STROKE LENGTH:					
PUMP SPEED:		5095'-510	5'		
LOGS: DIL, LDT-CNL, EPT, LSS, GR, SP, ABCL, CBL					
		Anchor @ 5		PE	REORATION RECORD
		5530'-555	0		
					3/02/85 5530'-5556' 4 SPF 104 holes
					3/13/85 4764'-4780' 4 SPF 64 holes 3/15/85 4760'-4780' 4 SPF 80 holes
	2				3/23/85 4602'-4702' 4 SPE 40 hole

16 / 11 19 9

SN @ 5533'KB

TD@6150'

EOT @ 5564'KB PBTD @ 5991'KB

#### NEWFIELD علد

NGC Fed. #31-20G-9-16 540' FNL & 1944' FEL NWNE Section 20-T9S-R16E Duchesne Co, Utah API #43-013-31071; Lease #U-52018

BDH 3/06/02

40 holes

40 holes

40 holes

3/23/85

1/30/98

1/30/98

4692'-4702'

5082'-5092'

5095'-5105'

4 SPF

4 SPF

4 SPF

T	Wellhead								(	GMB 3-16	6-9-16H	V	Vellbore Diagr		VFIEL
			Cooles Dotal	01-			anda Da		C	ounty/State: Elevation:	Greater Mor 5847' GL + 1	12' KB	e, Duchesne County, L API: 43-013-50441	Jtah	MOUNTAE
[	8-5/8" Casing Sho 1,025	B	Casing Detail Surface Production Production	Siz 8-5/ 5-1/ 4-1/	/8" 24# /2" 17#	Ň	J-55 L1 A-80 L1	TC TC TC 5	op         Bot           0         1,0           0         5,9           993         10,1           VD         6,0	25 93 7,74 249 7,7	40 7,02 74 8,51	20 4.892 10 4.000	Drift         bbl/ft           4.767         0.0233           3.875         0.0155           afety factors have been applied	Hole 7-7/8" 6-1/8"	For Coll 5,654'md Surface
							Tubing	g Detail	Si	ze W	L. Grad	de Conn.	Length Top	Bottom	Joint
						sand TA @	5,870'. SN @ 5,9	903'. EOT@	6,052'	2 7/8" sub, 1 jt 2 7 s & beveled oute			' TAC, 187 jts 2 7/8" tbg and t	bg hanger.	
	WELLBORE FLUIDS Lateral section fluid=	+-8.4 ppg "clean" t	brine			L		Weath 7/8" p	and Rod Detail: erford MacGyver ony rods, 1 1/2">	Detail 1 3/4" x 28' rod p 26' polished rod oRod, must have		sub, on/off tool, :	Count Length stabalizer sub, SE 4 Co-rod,	<b>Top</b> 1- 8', 6', 4', 2' x	Bottor
		Proposed Frac Data	Тор	Bottom			Packers I		StackFrac HD St			installed.	Prop type/ size	Prop Vol (lbs)	Total Clear
		Toe Section	10,249	10,249	Packers Plus 4-1/2" To	be Circulating					en Hole TD		and drive seeds		-
		Stage 1	10,087	10,249	Dual Hydraulic Fras Port:	Depth 10,160	Hall OD (in.) NA	Seat ID (in.) NA	Vol. to Seat (bbi 204.33	Actual Vol. (bbl) NA	Difference (bbl)	Ball Action (AP)	100 meth sand 30/50 mean sand	0	1,903
		CH Anchon/Packer Mechanical Packer 1	10,080	10,087	Packer Plus 7" ± 4-1/2 Packer Plus 7" ± 4-1/2	and of the second second second second	a second s	A DESCRIPTION OF THE OWNER OWNE	and the same in the same property of the same state of the				100 mesh sand	34,144	2,342
		Stage 2	9,682	10,002	FracPort 2:	Depth 9.641	Ball OD (in.) 2.125	Seat ID (in.) 2.000	Vol. to Seat (bbl 199.39	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action ( $\Delta P$ )	30/50 mesh sand	30,760	
		Mechanical Packer 2	9,677	9,682	Packer Plus 7" x 4-1/2	" RockSeal II 1 Depth	OK Hydraulic Set Ope Ball OD (in.)	In Hole Packer (Ac Seat ID (in.)	tizated at 2,268psi) Vol. to Seat (bbi	Actual Vol. (bbl)	Difference (bbi)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	36,389	2,775
		Stage 3 Mechanical Packer 3	9,914 9,354	9,677	FracPort 3: Packer Plus 7" x 4-1/2	9,517 " RockSeal II 1	2.250	2.125	194.37 fuated at 2,268psi)	0.00	A		100 mesh sand	7,548	2,716
000	WFD port Collar	Stage 4	9,035	9,354	FrecPort 4;	Depth 9,193	Ball OD (in.) 2.375	Seat ID (in.) 2.250	Vol. to Seat (bb) 189.36	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	30/50 mesh luand	0	-
	5,355	Mechanical Packet 4	9,030 8,710	9,035	Packer Plus 7" x 4-1/2 FracPort 5:	" RockSeal II 1 Depth	OK Hydraulic Set Ope Ball OD (in.)	in Hole Packer (Ac Seat ID (in.)	funted at 2,268psi) Vol. to Seat (bbl	Actual Vol. (bbl)	Difference (bbi)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	28,177 36,211	4,118
	КОР	Stage 5 Mechanical Packer 5	8,705	8,710	PracPort 5: Packer Plus 7" x 4-1/2	0,860	2.500 OK Hydraulic Set Ope	2.375 an Hole Packer (Ac	184.35 fuated at 2,268psi)	0.00	and a second second second	CONTRACTOR AND THE OTHER	100 mesh sand	37,277	3,907
	5,400	Stage 6	8,386	8,705	FracPort 6:	Depth 8,544	Ball OD (in.) 2,625	Seat ID (in.) 2.500	Vol. to Seat (bbl 179,32	Actual Vol. (bbl) 0,00	Difference (bbl)	Ball Action (AP)	30/50 mesh sand	30,591	
	Off Arushor/Pasker 5,451	Mechanical Packer 6 Stage 7	8,381 8,066	8,386 8,381	Packer Plue 7* x 4-1/2 FracPort 7:	Depth	Ball OD (in.)	an Hole Packer (Ac Seat ID (in.)	Vol. to Seat (bbl	Actual Vol. (bbl)	Difference (bbi)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	32,229 21,643	2,784
	6,372	Mechanical Packer 7	8,061	8,065	and a second sec	8,220 "RockSeal II 1	2.750 OK Hydraulic Set Ope	2.625 In Hole Packer (Ad	174.36 tusted at 2,268psi)				100 mesh sand	35,076	3,706
		Stage 8	7,743	8,061	FracPort 8:	Depth 7,901	Ball OD (in.) 2,875	Seat ID (in ) 2 750	Vol. to Seat (bbl 189.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	30/50 mesh sand	30,420	-
		Mechanical Pucker II Stage 9	7,738	7,743 7,738	Packer Plus 7" x 4-1/2 FracPort 9:	RockSeal II Depth	OK Hydraulic Set Ope Ball OD (in.)	In Hole Packer (Ac Seat ID (in.)	tuated at 2,268psi) Vol. to Seat (bbl	Actual Vol. (bbl)	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	30,308	2,777
		Mechanical Packer 8	7,413	7,418		7,577 * RockSeal II *	3.000 OK Hydraulic Set Ope	2.875 an Hole Packer (Ac	164.35 tuated at 2,268psi)		we have not a second of the	a ser carrier and the	100 mesh sand	25,505	1,869
		Stage 10	6,768	7,413	FracPort 10:	Depth 7,252	Ball OD (in.) 3.125	Seat ID (in.) 3.000	Vol. to Seat (bbl 159.32	Actual Vol. (bbi) 0.00	Difference (bbl)	Ball Action (AP)	30/50 mesh sand	3,467	_
1 1		Mechanical Packer 10 Stage 11	7,088	7,093	Packer Phys 7" x 4-1/2 FracPort 11:	Depth	OK Hydraulic Set Ope Ball OD (in.)	Seat ID (in.)	Vol. to Seat (bbl	Actual Vol. (bhi)	Difference (bbi)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	37,984 36,949	2,804
		Mechanical Packer 11	6,763	6,768	Martin Contractor Contractor		3.250 OK Hydraulic Set Ope			0.00			100 mesh sand	31,284	2,755
		Stage 12	6,445	6,763	FracPort 11:	Depth 6,601	Ball OD (in.) 3,375	Seat ID (in.) 3.250	Vol. to Seat (bbi 154.29	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (∆P)	30/50 mesh sand	21,198	
10		Mechanical Packer 12 OH Ansher/Packer	6,438 5,451	8,445 5,436	Packer Plus 7" x 4-1/2 Packer Plus 8-5/8" x 5	-1/2" RockSea	I II 10K Hydraulic Set	<b>Open Hole Packer</b>	(Actuated at 2,046psi						Total Fiu 34,456
		Rockseal II Packer	5,372 Lat Length	5,377	Packer Plue 8-5/8" x 6	-1/2" RockSea	III 10K Hydraulic Set	Open Hole Packer	(Actuated at 2,046ps)			Sand Total	100 mesh sand	335.921	(bbl)
/	$\langle \rangle$		Total Stim. Lateral Avg. Stage Length	3.80		rs						580,309	30/50 mesh sand # sand per foot of laterel	244,388	
		1	0		80	000		30 Q	000	0	5 C C	0		0.00	1
	5.6"x4.6X XO 5,993					-	( and the second se	-				3	2	1	
	15.6"x4.6X XO 5,993	12	11	4	0	9	8	7	6	5	4		4		

Well Nar		IRII H_2	0.9.16		Schematic					
Surface Legal Lo	ocation		20 T9S R16E M	ler SLB	API/UWI 4301351	5640000	Well RC 500335202	Lease UTU52018	State/Provinc	
Spud Date 12/7/2013		ease Date /2013	On Production Date 1/25/2014	Original KB Elevation 6,093	n (ft) Ground Elevation (ft) 6,083		evation (ft)	Total Depth All (TVD) (ftKB) Original Hole - 6,090.9		
Most Recen Job Category Initial Compl			Primary Job Type Fracture Treatm	nent	Secondary P&P	y Job Type		Job Start Date 1/14/2014		
TD: 6,263	.0			Slan	t - Origin	al Hole,	3/3/2014 6:49	:29 AM		
MD (ftKB)	TVD (ftKB)	Incl (	) DLS				Ver	tical schematic	(actual)	
9.8	/9.8	0.4	DLS (° 05	antinany partic state materia and the statem		-				

D: 6,263	.0			Slant - Original Hole, 3/3/2014 6:49:29 AM
MD (ftKB)	.TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
ine (nice)	(		DLS (°	Verbeil eenemikine (satasii)
9.8	/9.8	0.4	0 5	
10.8	10.8	0.4		1-1; Tubing Hanger; 7; 2.441; 10-11; 0.90
14.1	14.1	0.4		1; Conductor; 14 in; 13.500 in; 10-14 ftKB; 4.00 ft
18.4	18.4	0.4		
28.5	28.5	0.4		
55.1	55.1	0.4		
279.9	279.9	0.4		
326.1	326.1	0.4		2; Surface; 8 5/8 in; 8.097 in; 10-326 ftKB; 316.07 ft
2,011.5	1,989.9	13.0	2	1-2; Tubing; 2 7/8; 2.441; 11-5,803; 5,792.07
3,608.6	3,523.0	15.9	I	12, 100 kg, 2 //0, 2.441, 11 0,000, 0,102.07
4,053.1	3,953.2	15.3	1×	Perforated; 4,052-4,053; 1/15/2014
4,063.0	3,962.7	15.4		Perforated; 4,062-4,063; 1/15/2014
4,245 1	4,138.3	15.0		Perforated; 4,244-4,245; 1/15/2014
4,255.9	4,148.8	15.0		Perforated; 4,252-4,256; 1/15/2014
4,726.0	4,602.3	15.4		Perforated; 4,939-4,341; 1/15/2014
4,939.0	4,807.7	15.6		Perforated; 4,726-4,730; 1/15/2014
5,014.1	4,880.2			Perforated; 5,012-5,014; 1/15/2014
		15.7	5	
5,086.9	4,950.4	15.4		Perforated; 5,087-5,089; 1/15/2014
5,180.1	5,040.4	14.6		Perforated; 5,180-5,181; 1/15/2014
5,185 0	5,045.1	14.7		Perforated; 5,185-5,186; 1/15/2014
5,188 0	5,048.0	14.8		Perforated; 5,188-5,189; 1/15/2014
5,237.9	5,096 1	15.6		Perforated; 5,238-5,239; 1/15/2014
5,249.0	5,106.9	15.8		Perforated; 5,249; 1/15/2014
5,256.9	5,114.4	16.0		Perforated; 5,256-5,257; 1/15/2014
5,265.1	5,122.3	16.1		Perforated; 5,263-5,265; 1/15/2014
5,269.0	5,126.1	16.2		Perforated; 5,268-5,269; 1/15/2014
5,686.0	5,527.6	13.6	5	Perforated; 5,685-5,686; 1/14/2014
5,691.9	5,533.4	13.7		Perforated; 5,690-5,692; 1/14/2014
5,805.8	5,643.8	14.0		1-3; Anchor/catcher; 2 7/8; 2.441; 5,803-5,806; 2.80
5,819.9	5,657.5	14.1		Perforated; 5,816-5,820; 1/14/2014 1-4; Tubing; 2 7/8; 2.441; 5,806-5,838; 32.23
	5,675.0	14.3		1-4; Tubing; 2 //8; 2.441; 5,806-5,836; 32.23
5,837.9				1-6; Tubing; 2 7/8; 2.441; 5,839-5,904; 64.57
5,903.9	5,738.9	14.5	5	1-7; Notched collar; 2 7/8; 2.441; 5,904-5,904; 0.45
6,223.1	6,051.4	8.3	T	
6,247.0	6,075.1	7.9		3; Production; 5 1/2 in; 4.950 in; 10-6,249 ftKB; 6,238.79 ft
6,263.1	6,091.0	7.6		

 Field Name
 County

 GMBU CTB3
 Duches

 PBTD (All) (ftKB)
 Original Hole - 6,223.1

1/22/2014

Job End Date

County Duchesne

#### NEWFIELD SU

#### Schematic

Surface Legal L SWNW 204 Spud Date			T9S R16E Ser SLB Production Date Original KB E		Well RC 00 500335147 Elevation (ft)		ate/Province tah (B)	Field Name County GMBU CTB5 Duchesne PBTD (Ail) (ftKB)			
2/3/2013	12/18/2	013	6,050	6,040	)	Original Hole - 6,0	Original Hole - 6,135.8				
Nost Recent	nt Job	Prir	nary Job Type	Secondary Job Ty	pe	Job Start Date		Job End Date			
nitial Comp		Fr	acture Treatment	P&P 1/8/2014 1/16/20							
D: 6,180	0.0			Slant - Original Hol	e, 3/3/2014 6:55	:06 AM					
MD (ftKB)	(ftKB)	Incl (°)	DLS DLS (°		Ver	tical schematic (actu	al)				
9.8	9.9	1.4	04				er; 5 1/2; 2.8	75; 10-11; 0.90			
11.8	11.9	1.4									
14.1	14.2	1.4				1; Conductor; 14	in; 13.500 in	; 10-14 ftKB; 4.00 ft			
21.3	21.4	1.4									
278.9	278.9	1.4									
324.5	324.5	1.4				2; Surface; 8 5/8	in; 8.097 in;	10-326 ftKB; 316.12 ft			
333.0	333.0	1.4	3			1.2 Tubing 2.7/9	2 2 4 4 4 4 4	635 5 624 17			
3,421.6	3,365.0	14.6	5			— 1-2; Tubing; 2 7/8	,∠, <del>9</del> 41, 11-0	7,030, 3,024,17			
4,237.9	4,159.4	12.8	1	1000 I	49362 49353 6565	-Perforated; 4,238	-4,240; 1/9/2	014			
4,243.1	4,164 5	12.8	2		600	-Perforated; 4,243	-4,247; 1/9/2	014			
4,691.9	4,602.3	12.7	IT		1923	-Perforated; 4,692	-4,693; 1/9/2	014			
4,700.1	4,610.3	12.8		8200	12548 12588	Perforated; 4,700	-4,701; 1/9/2	014			
4,755.9	4,664.6	12.9		2020	1075	-Perforated; 4,756	-4,758; 1/9/2	014			
4,808.1	4,715.5	13.0			10/06	-Perforated; 4,808	-4,810; 1/9/2	014			
4,833.0 4,866.1	4,739.8	13.0 13.0		1000A IC	1008	-Perforated; 4,833	-4,835; 1/9/2	014			
4,896.3	4,801.5	12.8		0000	- 2223) 	Perforated; 4,866	-4,868; 1/9/2	014			
5,118.1	5,018.3	12.0	3			-Perforated; 5,117	-5,118; 1/9/2	014			
5,128.0	5,027.9	12.0		News		Perforated; 5,126	-5,128; 1/9/2	014			
5,202.1	5,100.4	12.1			10200 24000	-Perforated; 5,200	-5,202; 1/9/2	014			
5,240.2	5,137.6	12.3		2000 1000	1050 4050	-Perforated; 5,238	-5,240; 1/9/2	014			
5,266.1	5,162.9	12.5	2	0000	8588 95091	-Perforated; 5,264	-5,266; 1/9/2	014			
5,636.2	5,525.3	11.3				-1-3; Anchor/catch	er; 2 7/8; 2.4	41; 5,635-5,638; 2.80			
5,640.1	5,529.1	11.3		505	4550	- Perforated; 5,636					
5,670.3	5,558.7	11.3				- 1-4; Tubing; 2 7/8					
5,736.5	5,623.7	11.3			1073 1080	-1-6; Tubing; 2 7/8	; 2.441; 5,67				
6,135.8	6,015.8	10.3	7			- 1-7; Notched colla	ar; 2 7/8; 5,7;	37-5,737; 0.50			
6,159.8	6,039.4	10.3				(	1444 B				
6,180.1	6,059.4	10.3		-	hum	3; Production; 5 1	/2 in; 4.950 i	n; 10-6,161 ftKB; 6,150.62			

## NEWFIELD

#### Schematic

#### Well Name: GMBU G-21-9-16

Surface Legal Le		BU G-21-9	9-10		API/UWI	Well RC	Lease	State/Province	Field Name	County
	2 FNL 557		T9S R16E Me	Original KB Elevation	430135	5690000 500335136 Ground Elevation (ft)	UTU64379	Utah	GMBU CTB5 PBTD (All) (ftKB)	Duchesne
12/3/2013	12/22/		Production Date	6,050	on (it)	6,040	Original Hole -		Original Hole - 0	6,194.2
Most Recen Job Category		Prin	nary Job Type			y Job Type	Job Start Date		Job End Date	
Initial Comp		Fra	acture Treatm		P&P			/2014	1/17	/2014
TD: 6,224	TVD		1	Slan	t - Origin	al Hole, 2/28/2014 6:2	8:57 AM			
MD (ftKB)	(ftKB)	Incl (°)	DLS DLS (°			Ver	tical schematic (	actual)		_
9.8	9.9	0.6	0-3		Alamana	moundly Manuscratter			AND AND REPORT OF A DESCRIPTION OF A DESCRIPTION OF A	Anitownalistante
10.8	10.8	0.6					-1-1; Tubing H	langer; 7 1/16;	2.875; 10-11; 0.90	)
13.8	13.8	0.6					di Conductor	14 10: 12 500	in; 10-14 ftKB; 4.0	0.8
15.4	15.4	0.6					T; Conductor	, 14 In; 13.500	IN; 10-14 IIKB; 4.0	υπ
21.7	21.7	0.6								
35.4	35.4	0.6								
279.5	279.5	0.6								
325.5	325.5	0.6					2: Surface: 9	5/8 in: 8 007 in	; 10-327 ftKB; 317	05.0
332.0	332.0	0.6		<u> </u>			2, Surface, 6	5/6 11, 0.097 11	, 10-327 likb, 317	.05 11
3,473.4	3,386.3	15.6	2				— 1-2; Tubing; 1	2 7/8; 2.441; 11	-5,774; 5,762,97	
4,532.2	4,414.4	13.8	÷.	100			-Perforated; 4	,532-4,536; 1/1	0/2014	
4,735.9	4,611.9	13.8	5	90		16555		,736-4,738; 1/1	0/2014	
4,790.0	4,664.4	14.2				1059	Perforated; 4	,790-4,792; 1/1	0/2014	
4,806.1	4,680.0	14.4		and the second se		1/2925	Perforated; 4	,806-4,808; 1/1	0/2014	
4,836.0	4,708.9	14.4		400 (090		1992	Perforated; 4	,836-4,838; 1/1	0/2014	
5,035.4	4,902.9	13.0	$\leq$		I					
5,167.0	5,031.3	12.5		1990 1990		19393	— Perforated; 5	165-5,167 1/1	0/2014	
5,174.9	5,039.0	12.6		500 939		1000	— Perforated; 5	,174-5,175; 1/1	0/2014	
5,196.9	5,060.4	12.9		360 562	8	I ROACE	— Perforated; 5	,196-5,197; 1/1	0/2014	
5,274.0	5,135.5	13.3		1968 1999	1244	1085	— Perforated; 5	270-5,274, 1/1	0/2014	
5,286.1	5,147.3	13.3		920 200			Perforated; 5	,284-5,286; 1/1	0/2014	
5,674.9	5,524.4	13.6	Γ			9225	Perforated; 5	,674-5,675; 1/8	/2014	
5,690.9	5,540.0	13.8	1	200 200		1995	-Perforated; 5	,690-5,691; 1/8	/2014	
5,776.6	5,623.2	13.5			E D	LII		atcher; 5 1/2; 2	2.441; 5,774-5,777	; 2.80
5,800.9	5,646.8	13.3						2 7/8; 2.441; 5, 801-5,806; 1/8	777-5,809; 32.52 /2014	
5,809.1	5,654.7	13.3			TE					1.10
5,810.4	5,656.0	13.3					1-6; Tubing; :	2 7/8; 2.441; 5,	7/8; 5,809-5,810; 810-5,875; 65.03	1.10
5,876.0	5,719.9	13.3	5		2				,875-5,876; 0.50	
6,195.9	6,031.8	12.3	//							
6,219.2	6,054.6	12.3	/ [		1		-3; Production	; 5 1/2 in; 4.950	0 in; 10-6,219 ftKB	; 6,209.18 ft

## NEWFIELD

#### Schematic

#### Well Name: GMBU L-20-9-16

		FEL Sec 20					500335200	UTU52018	Utah	GMBU CTB3	Duchesne	
oud Date 2/8/2013	Rig Relea		Production Date 5/2014	Original KB Elevat 6,093	tion (ft)	Ground Ele 6,083	evation (ft)	Total Depth All (TVD) (fiKB)         PBTD (All) (fiKB)           Original Hole - 5,954.2         Original Hole - 6,004.0				
ost Recent	t Job											
b Category iitial Comple	etion		ary Job Type	nent	Seconda P&P	ry Job Type		Job Start Date 1/14	/2014	Job End Date 1/2	5/2014	
D: 6,065	.0			Sla	nt - Origir	nal Hole, 2	2/28/2014 9:5	3:40 AM				
AD (ftKB)	TVD (ftKB)	Incl (°)	DLS		0.0		Ver	rtical schematic (a	(tual)			
	(1110)	mor()	DLS (°			_	VCI	uca schemate (a	lotuary			
9.8	9.8	0.3	03						anger; 7; 2.44	41; 10-11; 0.90		
12.1	12.1	0.3										
17.1	17.1	0.3						1; Conductor;	14 in; 13.500	) in; 10-17 ftKB; 7.	00 ft	
21.7	21.7	0.3				П						
278.9	278.9	0.3										
324.5	324.5	0.3				0 0		2; Surface; 8	5/8 in; 8.097 i	in; 10-326 ftKB; 31	6.06 ft	
333.0	333.0	0.3	F	Energy								
3,604.3	3,540.9	12.2	7					— 1-2; Tubing; 2	2 7/8; 2.441; 1	1-5,838; 5,827.06		
4,174.9	4,100.1	11.2	F				· · · · · · · · · · · · · · · · · · ·	Perforated; 4	175-4 177: 1/	/16/2014		
4,191,9	4,116,8	11.3		- B	828 T	MA N	2000 -	-Perforated; 4				
4,629,9	4,546,5	11.9	X	8	50K II.	1	6555					
4,723.1	4,637,7	11.9	4		865 II.		1998) •	Perforated; 4	630-4,631, 1/	/16/2014		
							6568 ·····	-Perforated; 4,	723-4,725; 1/	/16/2014		
4,793.0	4,706,1	11.9		5	8021		6028 ·	Perforated; 4	793-4,796; 1/	/16/2014		
4,895,0	4,805,9	11.7		Ø			5355	Perforated; 4,	895-4,898; 1/	/16/2014		
4,903.9	4,814.6	11.7					联络 63/8	-Perforated; 4	904-4,905; 1/	/16/2014		
5,121.7	5,028,1	11.6	2			- 1						
5,126,0	5,032,3	11.7		- the second sec	8991		1000	Perforated; 5	125-5,126; 1/	/16/2014		
5,158.1	5,063.8	12.2		1	800 II 909 II		6959 6552	Perforated; 5,	157-5,158; 1/	/16/2014		
5 175 9	5,081,1	12.5					4020	-Perforated; 5,	174-5,176; 1/	/16/2014		
				8	9291 I 9201 I		10882 10883		215-5 216: 1/	/16/2014		
5,215,9	5,120,1	13.5		18	885		19929					
5,233.9	5,137,6	13.9		ð	874 I 658 I		1688	-Perforated; 5				
5,246.1	5,149,4	14.1	-	8			(15)(15) (15)(15) (15)(15)	Perforated; 5,				
5,840,9	5,731.9	8.4	IT							2.441; 5,838-5,84 5,841-5,873; 32.29		
5,873,0	5,763,7	8.1										
5 878 0	5,768.6	8.1				0				2 7/8; 2.250; 5,87	3-5,874; 1.10	
					800		90238 12025	Perforated; 5	878-5,879; 1/	/14/2014		
5,882.9	5,773,5	8.0			800 -	Carl and the second sec	NEGR					
5,891,7	5,782,3	7.9								5,874-5,905; 30.54		
5,905.2	5,795.6	7.8			-				collar; 2 7/8; .	2.441; 5,905-5,90	5; 0.45	
6,005,9	5,895.5	6.8										
6,050,9	5,940_1	6.8						3: Production	: 5 1/2 in: 4 9	50 in; 10-6,051 ftK	B: 6.041.00 f	
		1742.774	/		ALC: NO			(and a second of				

## NEWFIELD

### Schematic

#### Well Name: GMBU M-21-9-16

	FNL 1926		1 T9S R16E N				Well RC 500346524	Lease UTU64379	State/Province Utah	Field Name GMBU CTB6	County Duchesne	
pud Date /9/2014	Rig Relea		Production Date	Original KB Elevation 6,032	n (ft)	Ground El	evation (ft)	Total Depth All (TV Original Hole -		PBTD (All) (ftKB) Original Hole -	5.935.6	
lost Recent			_	10,002		10,022		Toriginal Hold	0,002.0	onginar hore	0,000,0	
ob Category nitial Comple			mary Job Type acture Treatn	nent	Secondar P&P	y Job Type		Job Start Date Job End Date 2/7/2014 2/18/2014				
D: 5,996		1		Second Street	1	al Hole, 3	3/19/2014 8:5					
	TVD	1-1 (2)										
MD (ftKB)	(ftKB)	Incl (°)	DLS DLS (°				ver	tical schematic (	actual)			
9.8	9.8	0.0	0 4			-		-1-1: Tubing F	langer: 2 7/8	2.441; 10-11; 0.90		
11.5	11.5	0.0						i i, i doing i	langer, 2 170,	2.441, 10-11, 0.00		
15.1	15.1	0.0						1: Conductor	: 14 in: 13.500	0 in; 10-15 ftKB; 5.	00 ft	
32.2	32.2	0.1										
42.0	42.0	0.1										
275.6	275.6	0,6										
279.5	279.5	0.6										
326.1	326.1	0.7						2; Surface; 8	5/8 in; 8.097	in; 10-326 ftKB; 31	6.06 ft	
1,892.1	1,873.0	13.3	-									
3,476.7	3,390.9	18.3	7					— 1-2; Tubing;	2 7/8; 2,441; 1	11-5,716; 5,705.20		
	5,550.5		Ŧ	38X					692-4,694; 2	/11/2014		
4,693.9	4,564.6	15.7		5204	61		1932					
4,727.0	4,596.6	15.1		304 1990			102231 102231		,725-4,727; 2			
4,767.1	4,635.3	14.7						Perforated; 4	,765-4,767, 2	/11/2014		
4,820.9	4,687.3	14.6		950 329	3 <b>1</b>		10000 •	Perforated; 4	,819-4,821; 2	/11/2014		
4,873.0	4,737.8	14.8	$\backslash$				NARE -	Perforated; 4	,871-4,873; 2	/11/2014		
5,128.9	4,985.7	14.7	2			H ]						
			7		200 ·		1888	Perforated; 5	,129-5,135; 2	/11/2014		
5,620,1	5,464.8	12.7	F	200	<b>8</b> (		64365	-Perforated; 5	,620-5,621; 2	/7/2014		
5,627.0	5,471.6	12.8		894 698			8888 19888 -	Perforated; 5	,627-5,629; 2	/7/2014		
5,633.9	5,478.3	12.9		388 300			10996		.634-5.635: 2	/7/2014		
5,642.1	5,486.3	13.0		0390 2000	and the second sec		4888		,642-5,643; 2			
5,716.2	5,558.5	12.6	$\left \right\rangle$				1988				0.0.00	
5,729.0	5,571.0	12.6					888			2.441; 5,716-5,71	9 2.80	
				50X 			A888		,729-5,731; 2 2 7/8; 2.441; {	/7/2014 5,719-5,750; 31.36		
5,735.9	5,577.8	12.5		Yes			(688)		,736-5,738; 2			
5,742.1	5,583.8	12.5										
5,748.0	5,589.6	12.5		- 1200 1935		Q I	46026 26026	Perforated; 5	,746-5,748; 2	/7/2014		
5,751.3	5,592.8	12.4				0		— 1-5; Pump S	eating Nipple;	2 7/8; 2.441; 5,75	0-5,751; 1.10	
5,813.6	5,653.8	11.7					8898 1998	•		5,751-5,814; 62.39		
			2					1-7; Notched	collar; 2 7/8;	2.441; 5,814-5,814	4; 0.50	
5,935.7	5,773.5	10.6										
5,981.0	5,818.1	10.0						3: Production	n: 5 1/2 in: 4 9	50 in; 10-5,982 ftK	B: 5,972.00 f	
5,996.1	5,832,9	9.8							155 00.00 0 - 1			
www.newf	ield.com		*			Pa	ge 1/1				inted: 3/19/2	

#### NEWFIELD NU

#### Schematic

#### Well Name: GMBU N-21-9-16

	FNL 1906 I		T9S R16E Mer	SLB 4	API/UWI Well RC 43013523420000 500346462	UTU64379	State/Province Utah	Field Name County GMBU CTB6 Duchesne
pud Date /10/2014	Rig Relea 1/21/20			iginal KB Elevation ( 032	ft) Ground Elevation (ft) 6,022	Total Depth All (TVI Original Hole -		PBTD (All) (fiKB) Original Hole - 5,961.2
ost Recent	Job							
b Category nitial Comple	etion		ary Job Type acture Treatmen	10	Secondary Job Type 2&P	Job Start Date 2/7	/2014	Job End Date 2/13/2014
D: 5,996	.0			Slant -	Original Hole, 3/19/2014 8:	58:32 AM		
MD (ftKB)	TVD (ftKB)	Incl (°)	DLS		Ve	ertical schematic (a	actual)	
(	(,		DLS (°	10 - NY - 10 KW			1-01	and the second s
9.8 12.1	9.9	1.1 1.1	06			1-1; Tubing H	langer; 7; 2.4	41; 10-11; 0.90
15.1	15.1	1.1				1; Conductor;	14 in; 13.50	0 in; 10-15 ftKB; 5.00 ft
34.1	34.2	1.1						
250.0	250.0	1.1						
280.2	280.2	1.1						
326.4	326.4	1.1				2; Surface; 8	5/8 in; 8.097	in; 10-327 ftKB; 316.54 ft
2,034.1	2,022.8	14.0	1				7/8: 2 441:	11-5,609, 5,598,17
3,428.5	3,360.0	16.6	2					
4,153.9	4,058.2	15.3	1	5904 95409	1223	Perforated; 4	153-4,154; 2	/10/2014
4,160.1	4,064.3	15.2		6380 (8299		Perforated; 4	158-4,160; 2	/10/2014
4,294.0	4,193.5	14.8	1	(255) (355)	19955	Perforated: 4	292-4,294; 2	/10/2014
4,332.0	4,230.3	14.3	1	0660A	165A	Perforated; 4	,330-4,332; 2	/10/2014
4,663.1	4,550 4	14.7	1	30050 100200	6655	Perforated; 4	,662-4,663; 2	/10/2014
4,675.9	4,562.7	14.8		-Victor Victor	6952	Perforated; 4	,674-4,676; 2	/10/2014
4,688.0	4,574.5	14.9		\$2504 (\$5504	15508	Perforated; 4	,686-4,688; 2	/10/2014
4,722,1	4,607.4	15.1		20090 50090	0355	Perforated; 4	,721-4,722; 2	/10/2014
4,732.0	4,616.9	15.1		2000 2000	4998	Perforated; 4	,731-4,732; 2	/10/2014
4,790.0	4,673.0	14.8		100000		Perforated; 4	,788-4,790; 2	/10/2014
4,830.1	4,711.7	14.9		35034 19039	4555	Perforated; 4	828-4,830; 2	/10/2014
4,944.9	4,822.6	15.0					945-4 946- 2	/10/2014
5,022.0	4,897.1	15.3		SCORE SCORE	6556	Perforated; 5		
5,084,0	4,956.8	15,7	$ \rangle$	1939A	1/682 19580	Perforated; 5		
5,172.9	5,042.6	14,9		(1)(2) (1)(2)	2008 1990	Perforated: 5		
5,181,1	5,050.6	14.9		89699 96999	4500P	Perforated; 5		
5,578,1	5,434.1	15.4	>	States Dates	8089	Perforated; 5		
5,594.2	5,449.6	15,4		25094 (5594)	1/0580 			
5,599.1	5,454.4	15.4		10094 10094	6895	Perforated; 5		
5,608.9	5,463.9	15.3						; 2.441; 5.609-5.612; 2.80
5,633,9	5,487.9	14.9						5,612-5,644; 32.45
5,645.3	5,499.0	14.7						2 7/8; 2.441; 5,644-5,645; 1.10
5,706.7	5,558.5	13.7						5,645-5,707; 61.19 2.441; 5,707-5,707; 0.50
5,961.3	5,807.7	10.3	5					
5,985,2	5,831.2	10.3				0.0.1.1	640	
5,996,1		10.3		(8) (at	00995		; 5 1/2 in; 4.9	50 in; 10-5,986 ftKB; 5,976.12 f

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

# nulti-chem

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Units of Measurement: Standard

#### Water Analysis Report

Production Company: Well Name: Sample Point:	NEWFIELD PRODUCTION SWDIF After Filter	Sales Rep: Michael McBride Lab Tech: Gary Peterson
Sample Date:	12/4/2012	Scaling potential predicted using ScaleSoftPitzer from
Sample ID:	WA-229142	Brine Chemistry Consortium (Rice University)

Sample Specific	<b>%</b>		Analysis @ Prop	perties in Sample Specifics	Station of the state
Test Date:	12/5/2012	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120.00	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	11.00	Sulfate (SO4):	120.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	26.00	Bicarbonate (HCO3):	366.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	46.20	Carbonate (CO3)	
Calculated Density (g/ml):	0.999	Strontium (Sr):		Acetic Acid (CH3COO)	
pH:	6.80	Barium (Ba):	0.17	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	2304.49	Iron (Fe):	0.13	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L)):	15.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	2.50	Manganese (Mn):	0.04	Silica (SiO2):	
Notes:		**			

9:30

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

(PTB = Pounds per Thousand Barrels)

Ethics

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078



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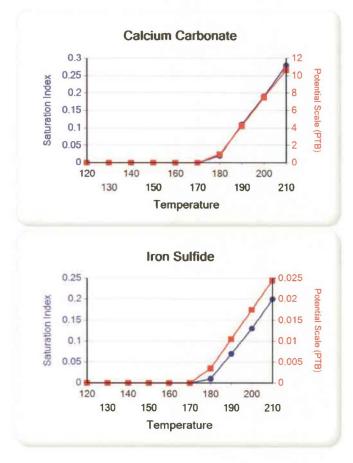
Water Analysis Report

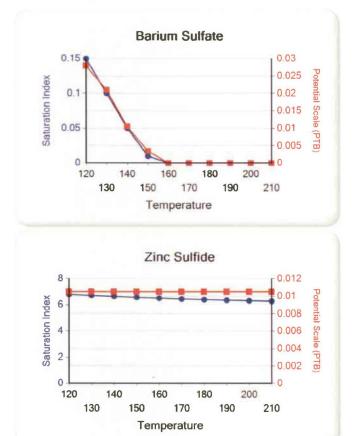
		CaSO4	nydrate 1 <sup></sup> 0.5H2 O		vdrate SO4		cium oride		inc onate		ead Ifide		/lg cate		i Mg icate		<sup>=</sup> e cate
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Page 2 of 2

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

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide





Multi-Chem - A Halliburton Service

#### Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078





Units of Measurement: Standard

#### Water Analysis Report

Production Company: Well Name: Sample Point:	NEWFIELD PRODUCTION FED 8-20-9-16 Separator	Sales Rep: Michael McBride Lab Tech: Gary Winegar
Sample Date:	9/16/2013	Scaling potential predicted using ScaleSoftPitzer from
Sample ID:	WA-253914	Brine Chemistry Consortium (Rice University)

mg/L
21000.00
767.00
3050.00
25.68

Notes:

B=6 AI=0 Li=4.1

(PTB = Pounds per Thousand Barrels)

	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4-2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)		SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	PTB	SI	PTB	SI	РТВ
210.00	60.00	2.21	25.21	0.51	0.45	4,70	0.55	2.65	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.15	0.03
200.00	60.00	2.17	25.19	0.53	0.46	4.70	0.55	2.61	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.24	0.03
190.00	60.00	2.13	25.18	0.55	0.47	4,71	0.55	2.58	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.35	0.03
180.00	60.00	2.09	25.16	0.58	0.48	4.72	0.55	2.54	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.46	0.03
170.00	60.00	2.05	25.13	0.61	0.49	4.73	0.55	2.50	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.57	0.03
160.00	60.00	2.02	25.11	0.64	0.51	4.75	0.55	2.46	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.70	0.03
150.00	60.00	1.98	25.09	0.69	0.52	4.78	0.55	2.42	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.83	0.03
140.00	60.00	1.95	25.07	0,73	0.53	4.81	0.55	2.38	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.96	0.03
130.00	60.00	1.92	25.05	0.78	0.55	4.85	0.55	2.33	0.72	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.03
120.00	60.00	1.90	25.03	0.84	0.56	4.89	0.55	2.28	0.72	0.00	0.00	0.00	0.00	0.00	0.00	11.27	0.03

Commitment

Ethics

Innovation

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078



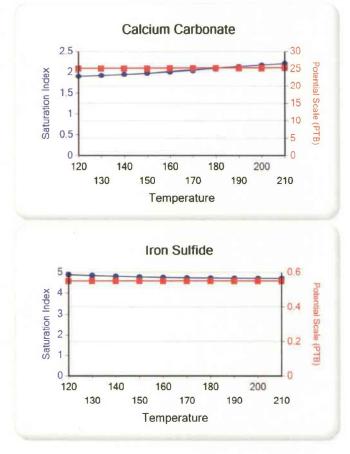
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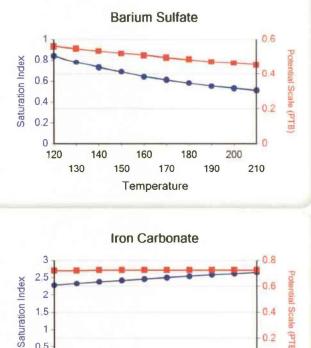
Water Analysis Report

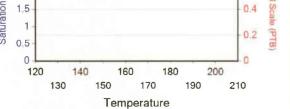
		Hemihydrate CaSO4~0.5H2 O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.04	12.28	0.28	10.28	31.13	5.42	16.19	12.09	0.78
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.04	12.44	0.28	9.94	31.13	5.23	16.19	11.88	0.78
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.04	12.62	0.28	9.59	31.13	5.03	16.18	11.67	0.78
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.04	12.80	0.28	9.23	31.13	4.84	16.17	11.46	0.78
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.04	13.00	0.28	8.87	31.13	4.64	16.15	11.24	0.78
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.04	13.20	0.28	8.50	31.13	4.44	16.13	11.03	0.78
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.04	13.42	0.28	8.14	31.12	4.25	16.10	10.82	0.78
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.04	13.65	0.28	7.77	31.12	4.05	16.07	10.60	0.78
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.03	13.89	0.28	7.39	31.11	3.85	16.02	10.39	0.78
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.03	14.15	0.28	7.02	31.10	3.65	15.97	10.19	0.78

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate







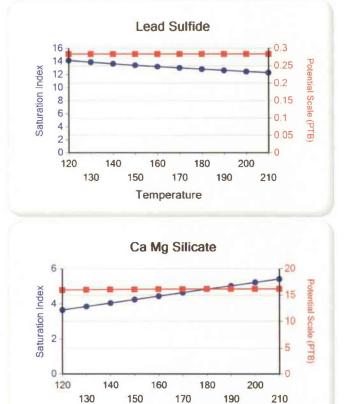
#### Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

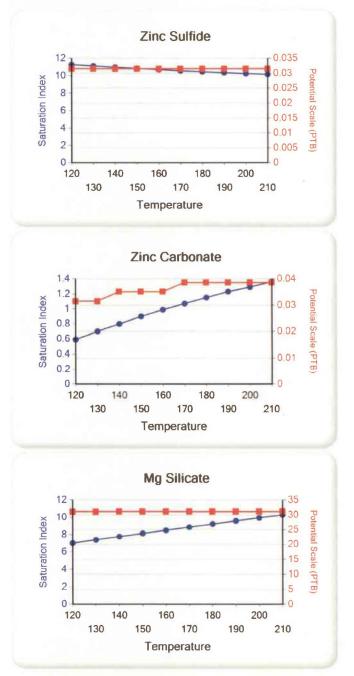


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Water Analysis Report



Temperature



Ethics

Innovation

Excellence

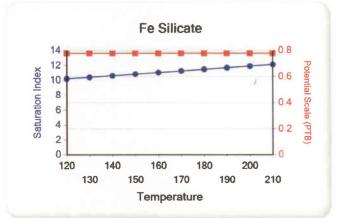
#### Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078



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#### Water Analysis Report



#### Attachment "G"

### Federal #8-20-9-16 Proposed Maximum Injection Pressure

Frac Interval		Calculated Frac								
(fe	eet)	Avg. Depth	ISIP	Gradient						
Тор	Bottom	(feet)	(psi)	(psi/ft)	Pmax					
5484	5492	5488	2369	0.86	2333					
5270	5280	5275	2486	0.90	2452					
5129	5176	5153	2340	0.89	2307					
5129	5176	5153	2775	0.97	2742					
5055	5074	5065	2680	0.96	2647					
4963	4971	4967	2290	0.89	2258					
4656	4709	4683	1700	0.80	1670 ┥ 🗕 🗕					
4570	4576	4573	1875	0.84	1845					
				Minimum	1670					

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

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

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

## ATTACHMENT G-1 Page 1 of 2

#### **Daily Activity Report**

Format For Sundry FEDERAL 8-20-9-16 5/1/2007 To 9/30/2007

#### 6/29/2007 Day: 1

Completion

Completion

Rigless on 6/28/2007 - 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 @ 5861' & cement top @ 210'. Perforate stage #1. CP1 sds @ 5484-92' w/ 3 1/8" Slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 139 BWTR. SIFN.

#### 7/2/2007 Day: 2

Rigless on 7/1/2007 - RU BJ Services. 5 psi on well. Frac CP1 sds w/ 15,470#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3882 psi. Treated w/ ave pressure of 2490 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2369 psi. Leave pressure on well. 413 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5270- 80' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 280 psi on well. Frac LODC sds w/ 29,548#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Broke @ 1855 psi. Treated w/ ave pressure of 2397 psi @ ave rate of 24.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2486 psi. Leave pressure on well. 778 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 9' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5164- 76', 5129-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. RU BJ Services. 990 psi on well. Frac LODC sds w/ 4,712#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 2942 psi. Blender broke down. Went to flush & over displaced treating fluid by 3 bbls. Will Refrac this zone in the morning. ISIP 2340 psi. Leave pressure on well. SIWFN w/ 1167 BWTR.

#### 7/5/2007 Day: 3

#### Completion

Rigless on 7/4/2007 - RU BJ Services. 730 psi on well. Frac LODC sds w/ 95,147#'s of 20/40 sand in 706 bbls of Lightning 17 fluid. Re-broke @ 2538 psi. Treated w/ ave pressure of 2554 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2775 psi. Leave pressure on well. 1873 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 5110'. Perforate LODC sds @ 5055- 74' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. RU BJ Services. 700 psi on well. Frac LODC sds w/ 71,220#'s (Frac was designed for 130,000#'s) of 20/40 sand in 719 bbls of Lightning 17 fluid. Broke @ 2007 psi. Treated w/ ave pressure of 2372 psi @ ave rate of 24.3 BPM. Blender broke down in middle of frac. Was unable to get blender going. Bypassed blender & flushed sand away. ISIP 2680 psi. Leave pressure on well. 2592 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 8' perf gun. Set plug @ 5010'. Perforate A1 sds @ 4963- 71' 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. Wait for BJ Services to swap out blender. RU BJ Services. 860 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ services. Frac A1 sds w/ 40,277#'s of 20/40 sand in 492 bbls of

http://www.inewfld.com/denver/SumActRpt.asp?RC=600159508&API=430133310700S0... 7/24/2007

I

Lightning 17 fluid. Broke @ 3979 psi. Had trouble getting crosslink (Pumped 92 bbls of fluid before getting crosslink). Treated w/ ave pressure of 2725 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2290 psi. Leave pressure on well. 3084 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 7' perf gun. Set plug @ 4810'. Perforate C sds @ 4704- 4709', D3 sds @ 4656- 4663' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ services. 25 psi on well. Brokedown C & D3 sds @ 2597 psi. Pumped a total of 141 bbls of fluid trying to get fluid to crosslink, Would not crosslink. Retested wtr in frac tanks, Tested good. Tested chemicals from Chem-add unit. Crosslinked a sample for hydration unit, Fluid crosslinked good. It was determined that fluid would not crosslink at the blender (Swapped out blender after Stage #4, Had trouble getting crosslink fluid on stage #5). Shut down for the day. BJ Services is going to look blender & chem-add unit to determine if they can find a problem. Leave pressure on well. 3225 BWTR. Will try to finish frac's on Thursday morning.

#### 7/6/2007 Day: 4

Rigless on 7/5/2007 - RU BJ Services. 116 psi on well. Frac C & D3 sds w/ 29,723#'s of 20/40 sand in 376 bbls of Lightning 17 fluid. Re-broke @ 1400 psi (Initial break was 2597 psi). Treated w/ ave pressure of 1630 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1667 psi. Leave pressure on well. 3601 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4570- 76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. psi on well. Frac D1 sds w/ 42,080#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 2816 psi. Treated w/ ave pressure of 1829 psi @ ave rate of 24.4 BPM. ISIP 1875 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 2 1/2 hrs & died. Rec 141 BTF. MIRU NC #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged fill @ 4555'. RU Nabors power. Drill out plug @ 4610'. Circulate well clean w/ EOT @ 4637'. SIWFN w/ 3816 BWTR.

#### 7/7/2007 Day: 5

NC #1 on 7/6/2007 - 6:30AM OWU, RIH W/-Tbg To Fill @ 4709', R/U Nabors Pwr Swvi, C/Out To Pig @ 4810', Drill Up Pig, Swvi I/Hie To Fill @ 4963', C/Out To Pig @ 5010', Drill Up Pig, Swvi I/Hie To Fill @ 5024', C/Out To Pig @ 5110', Drill Up Pig, Swvi I/Hie To Fill @ 5159', C/Out To Pig @ 5230', Drill Up Pig, Swvi I/Hie To Fill @ 5340', C/Out To Pig @ 5380', Drill Up Pig, Swvi I/Hie To Fill @ 5783', C/Out To PBTD @ 5880', Curc Well Clean 1 Hr, POOH W/-4 Jts Tbg EOB @ 5755', R/U Swab RIH IFL @ Surf, Made 13 Swab Runs, Recvred 155 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ 1800', SWI, 6:00PM C/SDFN. Well Gained 42 Bbls Wtr On C/Out To PBTD, Total Wtr Recvery For Day = 197 Bbls.

#### 7/10/2007 Day: 6

NC #1 on 7/9/2007 - 6:30AM OWU, RIH W/-4 Jts Tbg To Fill @ 5878', R/U R/pmp & C/Out To PBTD @ 5880', Curc Well Clean, POOH W/-189 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Fish Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x12x15' RHAC & Rod Production String Shown Below. Seat pmp, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM, 86" SL, 5 SPM, (Final Report).

http://www.inewfld.com/denver/SumActRpt.asp?RC=600159508&API=430133310700S0... 7/24/2007

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ATTACHMENT G- | Page 2 of 2

### Completion

Completion

#### Completion

#### ATTACHMENT H

#### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4520'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	175' 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 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 45 sx Class "G" cement down 5 1/2" casing to 364'

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

Federal #8-20-9-16

## ATTACHMENT H-1

#### FEDERAL 8-20-9-16

Proposed P & A Wellbore Diagram

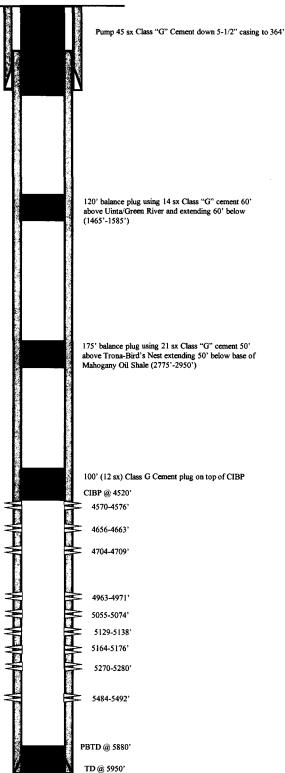
TOC @ 210'

Spud Date: 06/05/07 Put on Production: 07/09/07 GL: 6055' KB: 6067'

SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (301.95') DEPTH LANDED: 313.8' KB HOLE SIZE: 12-1/4" CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 134 jts. (5920.75") DEPTH LANDED: 5934.00" KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ. CEMENT TOP: 210" per CBL 6/28/07



N.	EWFIELD	
	Sie	

FEDERAL 8-20-9-16 2133'FNL & 746' FEL SE/NE Section 20-T9S-R16E Duchesne Co, Utah API #43-013-33107; Lease # UTU-52018

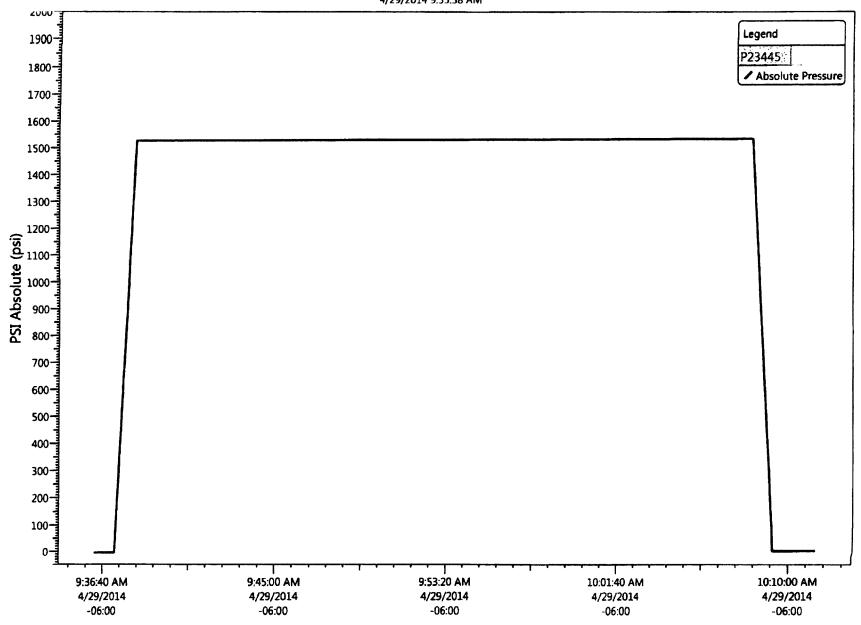
JL 12/3/2013

#### Sundry Number: 50538 API Well Number: 43013331070000

	STATE OF UTAH			FORM 9	
(	DEPARTMENT OF NATURAL RESC DIVISION OF OIL, GAS, AND			5.LEASE UTU-52	DESIGNATION AND SERIAL NUMBER: 2018
SUNDR	6. IF INDI	AN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form		7.UNIT or GMBU (	CA AGREEMENT NAME: GRRV)		
1. TYPE OF WELL Oil Well					NAME and NUMBER: AL 8-20-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		· · · · · · · · · · · · · · · · · · ·	9. API NU 430133	MBER: 331070000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,	, 84052 435 646-	PHON 4825 Ext	NE NUMBER:		and POOL or WILDCAT: IENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE:			1991 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	COUNTY DUCHES	
2133 FNL 0746 FEL QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SENE Section: 2	<b>HIP, RANGE, MERIDIAN:</b> 10 Township: 09 OS Range: 16.0E N	/teridian: S		STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO IND	NCATE NA	TURE OF NOTICE, REPOR	RT, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
			LTER CASING		CASING REPAIR
	CHANGE TO PREVIOUS PLANS	[] a	HANGE TUBING		CHANGE WELL NAME
	CHANGE WELL STATUS	<b></b>	OMMINGLE PRODUCING FORMATIONS	1	CONVERT WELL TYPE
SUBSEQUENT REPORT     Date of Work Completion:		<b>—</b> F	RACTURE TREAT		NEW CONSTRUCTION
4/29/2014		П н	LUG AND ABANDON		PLUG BACK
			ECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
Date of Spud:		🗆 34	IDETRACK TO REPAIR WELL		TEMPORARY ABANDON
_		<b>u</b> 1	ENT OR FLARE		WATER DISPOSAL
CRILLING REPORT Report Date:		<b>1</b> s	TA STATUS EXTENSION		APD EXTENSION
			THER	OTHE	R: New Perforations
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly a	how all per	tinent details including dates.	depths, vo	lumes, etc.
	has been converted from				
1 .	ated, D2 sands - 4622-46				
	contacted concerning the				
	ed up to 1526 psig and c				
not injecting durin	g the test. The tubing pre representative availab				
				001100	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE N 435 646-48		TITLE Water Services Technician		999
			DATE 5/2/2014		

Mechanical I Casing or Annul	• •	ſest	
Newfield Produc Rt. 3 Bo Myton, U 435-640	ox 3630 T 84052		
Witness: Test Conducted by: <u>Rily</u> By 4	Date 4,29,14	Time_9.'3C	am)pm
Others Present:			
Well: FEDERAL 8-2-9-16 Well Location: , Federal : 8-2-9-16	Field: 1994 API No: 1 93-	omi-t 15-41 013-33/07	

Time	Casing Pressure	
0 min	1526	psig
5	1526	psig
10	1526	psig
15	1526	psig
20	1526	psig
25	1500	psig
30 min		psig
35		psig
40		p <del>sig</del>
45		psig
50		psig
55		psig
60 min		psig
Tubing pressure:	500	psig
Result:	Pass F	ail
Signature of Witness:	Luna	
Signature of Person Condu		Bel
		~ /



#### castle peak 8-20-9-16 (conversion MIT 4/29/14) 4/29/2014 9:35:38 AM

#### Job Detail Summary Report

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Well Name: Federal 8-20-9-16

Start Time     End Time     Comment       Start Time     End Time     Comment       13:00     15:00     RD wellhead. Instal BOP's. RU floor. Release TA.       Start Time     End Time     Comment       15:00     16:00     RU sand line. RIH & tag fill @ 5820' '(114' of fill, 288' of rat hole).       Start Time     End Time     Comment       16:00     RU sand line. RIH & tag fill @ 5820' '(114' of fill, 288' of rat hole).       Start Time     End Time     Comment       18:00     TOOH w/ tbg. RU Bit (4-3/4") & 5-1/2" scraper. TIH w/ 148 jts tbg (4670').       Start Time     End Time     Comment       18:00     00:00     Comment       Start Time     End Time     Comment       18:00     00:00     Comment       Start Time     End Time     Comment       14/17/2014     4/18/2014     TOOH w/ bit & scraper. Perforate. PU tools. PU frac string.       Start Time     End Time     Comment       Start Time <t< th=""><th>Well Name: Federal 8-20-9-16</th><th></th></t<>	Well Name: Federal 8-20-9-16	
Name         Specifie         Park Association         Specifie           V157014         V157014         V157014         V157014         V157014           V157014         V157014         V157014         V157014         V157014         V157014         V157014	Imary Job Type	
Bigs Status         Paper Status         Status and Status         Status and Status           V15/2014         V15/2014         V15/2014         V15/2014         V15/2014           V15/2014         V15/2014         V15/2014         V15/2014<		
Art 52014         Art 52014         MRUSU Unhang head           tain Time         12.00         Fold Time         00.00         Convext           tain Time         00.00         Fold Time         00.00         Convext           tain Time         00.00         Fold Time         00.00         Convext           tain Time         00.00         Fold Time         00.00         Fold Time           tain Time         00.00         Fold Time         Operation         Convext           tain Time         00.00         Fold Time         TOOH wir tools laying down on trailer. 97: 344 Aper, 48: 344 pill Bit nods. 67: 344 Aper, 48: 344 pill Bit nods. 78: 344 Paer, 48: 34: 34* Paer, 48: 34* Paer, 48: 34* Paer, 48: 34* Paer,		
Dat Time         12:00         End Time         Opcoment           Start Time         00:00         End Time         00:00         Convent           Start Time         00:00         End Time         00:00         Road fig. Shut unit down. MIRUSU. Unitang head on unit.           Start Time         00:00         End Time         12:00         Convent           Art12014         Report Start Dim         End Time         12:00         Convent           Art12014         Report Start Dim         End Time         00:00         End Time           Art12014         Report Start Dim         Of Time         06:30         Convent           Start Time         00:00         End Time         Convent         Convent           Start Time         00:30         End Time         Convent         Convent           Start Time         00:30         End Time         Convent         Start		
Sun Time         Cold Time <th< td=""><td></td><td>Commant</td></th<>		Commant
OD:00         C5:00         Read fig. Shd unit down. MIRUSU. Unlang head on unit.           and Themanows         05:00         For Time         12:00         Comment           416/2014         407:0214         Zen Kazin Standard         12:00         Comment           416/2014         407:0214         Zen Kazin Standard         Edit Time         Comment           416/2014         407:0214         Edit Time         Comment         Comment           416/2014         407:0214         Edit Time         OP:00         Comment           417:1784         00:30         Edit Time         Comment         Comment           407:1784         08:30         Edit Time         Comment         Comment           408:30         Edit Time         08:30         Edit Time         Comment           11784         08:30         Edit Time         Comment         Standard X:12 X15 (RIR HAC DIN           407:014         113:00         Edit Time         Comment         Comment           11784         Edit Time         15:00         Edit Time         Comment           11784         16:00         Edit Time         Comment         Comment           11784         16:00         Edit Time         Comment         Com		A
Bit Time         End Time         12:00         Downey           Geord Sample         Report Exclusion         Jeon Katch Strummary         Dords. Tag III TOO-         End Time         Comment           V1102014         Londs. Tag III TOO         End Time         Originary         Comment           Sam Time         07:00         End Time         Originary         Comment           Sam Time         09:30         End Time         Originary         Comment           Sam Time         13:00         End Time         Comment         Comment           Sam Time         13:00         End Time         Comment         Comment           Sam Time         15:00         End Time         Comment         Sam Time         Sam Time           13:00         End Time         16:00         RD Wellheed. Install ROPs. RU Hoor. Release TA.         Comment           Sam Time         16:00         End Time         Comment         Comment           14:170:14		
Start Sub-law         Prescription Date         Start Sub-law         Star		Comment
416/2014         4/17/2014         LD rods. Tag fill. TOOH with g THP bit scraper           init Trive         00:00         Fill Time         07:00         Comment           init Time         07:00         Fill Time         07:00         Comment           init Time         07:00         Fill Time         07:00         Comment           init Time         07:00         Fill Time         09:30         Re-sear pump. Soft seat pump. Text tbg & pump to 3000 pail will 5 bits with. Fills mode.           init Time         08:30         End Time         09:30         Re-sear pump. Soft seat pump. Text tbg & pump to 3000 pail will 5 bits with. Fills mode.           init Time         08:30         End Time         09:30         Re-sear pump. Soft seat pump.           init Time         08:30         End Time         13:00         RD wellhed.           init Time         15:00         End Time         16:00         RD wellhed.         RD wellhed.           init Time         16:00         End Time         16:00         Fill Time         Comment           init Time         16:00         End Time         00:00         Comment         End Time           init Time         16:00         End Time         Comment         End Time         End Time           init T		
D0:00         D7:00         Convent           In Time         07:00         End Time         Convent           In Time         07:00         End Time         Convent           In Time         08:30         End Time         Convent           In Time         13:00         End Time         Convent           In Time         13:00         End Time         Convent           In Time         13:00         End Time         Convent           In Time         16:00         End Time         Convent           In Time         16:00         End Time         Convent           In Time         18:00         Convent         Convent           In Time         18:00         Convent         Convent           In Time         18:00         Convent         Convent           In Time         18:00	4/16/2014 4/17/2014 LD rods. Tag fill. TOOH w/ tbg. TIH bit scraper	
Nam Time         Of 200         Find Time         Odd:30         Commant           Nam Time         07:00         Find Time         Odd:30         Commant         Com		Comment
Sam Time         End Time         Connect Operation         Connect Sam Time         Connect Operation         Connect Sam Time         Connect Sam Time         Connect Sam Time         Connect Sam Time         Connect Sam Time         Connect Sam Time         Soft seat pump. Feat tbg & pump to 3000 psi wir 15 bbls wir. Fish nods.           Sam Time         09:30         End Time         13:00         TOCH wir dots laying down on trailer. 97: 3/4 Aper, 48: 3/4" plain rods, 67: 3/4" Aper, 6: 1-1/2" weight rods. 2-1/2 x 1-1/4" xi 12% FRHAC pump.           Sam Time         13:00         End Time         16:00         RD wellbook         Issue Time         200	art Time End Time	
08:30         09:30         Resease pump. Test tbg & pump to 3000 pai wi 15 bbls wir. Fish rods.           iam Tome         09:30         inf Time         Comment TOCH wirds awing down on trailer. 97: 314 Aper, 48: 34° plain rods, 67: 314° Aper, 6: 1: 1/2° weight rods. 2: 1/2 xi 1/4° xi 12 xi 67 RNAC pump.           dam Time         0:11 Time         Comment TOCH wirds awing down on trailer. 97: 314 Aper, 48: 34° plain rods, 67: 314° Aper, 6: 1: 1/2° weight rods. 2: 1/2 xi 1/4° xi 12 xi 67 RNAC pump.           dam Time         0:11 Time         Comment ToCH wirds awing down on trailer. 97: 314 Aper, 48: 34° plain rods, 67: 314° Aper, 6: 1: 1/2° weight rods. 2: 1/2° xi 1/4° xi 12 xi 67           dam Time         15:00         End Time         Comment ToCH wirds awing down on trailer. 97: 344 Aper, 48: 34° plain rods, 67: 314° Aper, 6: 1: 1/2° weight rods. 2: 1/2° xi 1/4° xi 12 xi 50°           dam Time         15:00         End Time         Comment ToCH wirds awing down on trailer. 97: 344 Aper, 48: 34° plain rods, 67: 314° Aper, 48: 34° plain rods, 67: 314° Aper, 48: 312°           dam Time         16:00         End Time         Comment ToCH wirds awing down on trailer. 97: 314° Aper, 48: 312°           dam Time         18:00         End Time         Comment Art ToCH wirds aveing down on trailer. 97: 314° Aper, 48: 312°           dam Time         18:00         ToCH wird bg. RU Bit (4: 34°) & 8: 1/2° acraper. TiH wird 148 its bg. 68: 70).           dam Time         18:00         Comment Art Tore         Comment Art Tore		
09:30         13:00         TOOH wir dot skying down on traiter. 97 - 3/4 4 per, 48 - 3/4* plain rods, 67 - 3/4* 4 per, 6 - 1-1/2* weight rods. 2-1/2           Mail Time         5:00         15:00         RD weighted. Instal BOP's. RU floor. Release T.A.           Sam Time         6:00 mmax         RD weighted. Instal BOP's. RU floor. Release T.A.           Sam Time         6:00 mmax         RU sand line. RH & tag fill @ 5820* (114* of fill, 285* of rat hole).           Sam Time         16:00         16:00         Commax           18:00         16:00         10:00 Normax         RU sand line. RH & tag fill @ 5820* (114* of fill, 285* of rat hole).           Sam Time         16:00         16:00         Commax           18:00         10:00 Normax         Commax           18:00         10:00 Normax         Commax           417/2014         York Adverdy Summary         Commax           417/2014         Color         Ext Time           18:00         10:00         Ext Time           18:10*         2:00         Ext Time           18:10*         Commax         Not developing every phr.           18:11***         12:00         Ext Time         14:00           18:10*         Ext Time         14:00         Sam Time           14:00         Ext Time		
Bart Time         Iso0         Iso0         Revented           San Time         13:00         End Time         15:00         Commark           San Time         15:00         End Time         16:00         Rowent           San Time         15:00         End Time         16:00         Rowent           San Time         16:00         End Time         16:00         TOOH witig. RU Bit (4-34", 8.5-1/2" scraper. TiH wi 148 jis lbg (4670").           San Time         16:00         End Time         00:00         Commant           San Time         18:00         TOOH witig. RU Bit (4-34", 8.5-1/2" scraper. TiH wi 148 jis lbg (4670").           San Time         18:00         ToOH witig. RU Bit (4-34", 8.5-1/2" scraper. TiH wi 148 jis lbg (4670").           San Time         18:00         Commant         Commant           San Time         10:00         End Time         Commant           San Time         0:00         End Time         Commant           San Time         12:00         End Time         Commant		TOOH w/ rods laying down on trailer. 97- 3/4 4per, 48- 3/4" plain rods, 67- 3/4" 4per, 6- 1-1/2" weight rods. 2-1/2"
13:00         15:00         RD wellhead. Instal BOP's. RU floor. Release TA.           ian Time         Edit Time         Edit Time         16:00         Rup and Line. RH & tag fill @ 5820" (114' of fill, 280' of rat hole).           iant Time         16:00         Erol Time         18:00         TOOH w/ tbg. RU Bit (4-3/4") & 5-1/2" scraper. TH w/ 146 jis tbg (4570).           iant Time         16:00         Erol Time         00:00         Commant           iant Time         18:00         TOOH w/ tbg. RU Bit (4-3/4") & 5-1/2" scraper. TH w/ 146 jis tbg (4570).           iant Time         Erol Time         00:00         Commant           iant Time         17:00 W bit & scraper. Perforate. PU tools. PU frac string.         Commant           iant Time         07:00         Erol Time         Commant           iant Time         07:00         Erol Time         Commant           iant Time         12:00         Erol Time         Commant           iant Time         14:00         Regor Erol State         Erol Time           iant Time         14:00         Erol Time         Commant           iant Time         14:00         Erol Time         Commant           iant Time         14:00         Erol Time         Commant           iant Time         16:00	an Tume End Time	
15:00         16:00         RU sand line. RH & tag fill @ 5820" (114" of fill, 288" of rat hole).           iait Time         6x0 Time         Commonic           iait Time         16:00         End Time         Commonic           iait Time         18:00         00:00         Commonic           epon San Date         Report End Date         24W Active Summary         Commonic           4/17/2014         4/18/2014         TOOH wit bit & scraper. Perforate. PU tools. PU frac string.         Commonic           4/17/2014         4/18/2014         End Time         0:00         Commonic           att Time         0:00         End Time         Commonic         Commonic           att Time         0:00         End Time         Commonic         Commonic           att Time         0:00         End Time         Commonic         Commonic           att Time         12:00         Held Safety meeting. Open weil w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, cleaning, inspecting. redoping every pin.           att Time         14:00         Report End Time         Commonic           14:00         End Time         Commonic         Commonic           att Time         14:00         End Time         Commonic           12:00         End Time	13:00 15:00	RD weilhead. Instal BOP's. RU floor. Release TA.
16:00         18:00         TOOH w/ tbg. RU Bit (4-3/4") & 5-1/2" scraper. TiH w/ 148 jts tbg (4670).           taft Time         18:00         Commani.           apon San Date         Report End Date 4/17/2014         Commany.           4/17/2014         TOOH w/ tbg. RU Bit (4-3/4") & 5-1/2" scraper. TiH w/ 148 jts tbg (4670).           cart Time         Commany.           00:00         End Time           00:00         End Time           00:00         End Time           07:00         End Time           07:00         End Time           12:00         End Time           14:00         RU T., crane & pack-off. RiH w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, cleaning, inspecting. redoping every pin.           tart Time         14:00         RU T., crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120", 21" pen) 3 spf Perferate D2 sds @ 4622-27" w/ tit of 15 shots.           and Time         14:00         End Time           14:00         End Time           16:00         Set racks. Unload 150 jts L-80 lbg. Drift, tally & put thread protectors back on tbg.           cart Time         16:00         Set racks. Unload 150 jts L-80 lbg. Drift, tally & put jnt, "HD" pkr, 1 jt tbg. SN, PU TiH w/ frac string (88 jts)           art Time         18:30         RU * Acwing Summary         Comment	15:00 16:00	RU sand line. RIH & tag fill @ 5820' ' (114' of fill, 288' of rat hole).
18:00     00:00       lepon Stan Date 41/17/2014     Report End Date 41/17/2014     24tr Activity Summary 41/17/2014     Comment For Time 07:00     End Time 12:00     Comment 12:00       tant Time tant Time	_	
4/17/2014     4/18/2014     TOOH w/ bit & scraper. Perforate. PU tools. PU trac string.       trant Time     End Time     Or 100     Convent       trant Time     End Time     Or 200     Convent       trant Time     End Time     Or 200     Convent       trant Time     End Time     Convent       trant Time     End Tim	18:00 00:00	Comment
Bart Time       D0:00       End Time       07:00       Comment         tart Time       07:00       End Time       12:00       Held safety meeting. Open well w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, cleaning, inspecting, redoping every pin.         tart Time       12:00       End Time       12:00       Held safety meeting. Open well w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, cleaning, inspecting, redoping every pin.         tart Time       12:00       End Time       Comment         12:00       End Time       14:00       Row WLT, crane & pack-off. Fill w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°, 21" pen) 3 spf. Perferate D2 sds @ 4622-27" w/ thi of 15 shots.         tart Time       14:00       End Time       Comment         1atar Time       14:00       End Time       Comment         tart Time       16:00       Set racks. Unload 150 jts L-80 tbg. Drift, tally & put thread protectors back on tbg.         tart Time       18:30       RO to 5-1/2" "TS" RBP. ON/OFF tool, 2-3/8" x 4" pup jnt, "HD" pkr, 1 jt tbg. SN, PU TIH w/ frac string (88 jts)         tart Time       18:30       Comment       Comment         epon Start Date       24th Acking Summay       Comment         4/21/2014       A/22/2014       Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.       Comment         tard Time		rac string.
Start Time     O7:00     End Time     12:00     Comment Held safety meeting. Open well w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, cleaning, inspecting, redoping every pin.       Nart Time     12:00     End Time     Comment RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°,21" pen) 3 spf. Perferate D2 sofs @ 4622-27" w/ til of 15 shots.       Nan Time     14:00     End Time     Comment RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°,21" pen) 3 spf. Perferate D2 sofs @ 4622-27" w/ til of 15 shots.       Nan Time     14:00     End Time     Comment RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°,21" pen) 3 spf. Perferate D2 sofs @ 4622-27" w/ til of 15 shots.       Nan Time     14:00     End Time     Comment       14:00     End Time     Comment       16:00     End Time     Comment       18:30     RU 5-1/2" "TS" RBP. ON/OFF tool, 2-3/8" x 4" pup jnt, "HD" pkr, 1 jt tbg. SN, PU TIH w/ frac string (88 jts)       18:30     Comment     Comment       18:30     Comment     Comment       18:30     Comment     Comment       18:30     Comment     Comment       14:21/2014     Frid Time     O0:00       14:00     Park Activity Summary     Comment       14:17/2014     Frid Time     Comment       00:00     End Time     Comment <td>In Time End Time</td> <td></td>	In Time End Time	
And Time     12:00     Held safety meeting. Open well w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, deaning. inspecting. redoping every pin.       itart Time     12:00     End Time     14:00     RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°,21" pen) 3 spf. Perferate D2 sds @ 4622-27" w/ th of 15 shots.       itart Time     14:00     End Time     Comment D2 sds @ 4622-27" w/ th of 15 shots.       itart Time     16:00     Set racks. Unload 150 jts L-80 tbg. Drift, talty & put thread protectors back on tbg. Comment       itart Time     16:00     End Time     Comment       16:00     End Time     Comment       18:30     RU 5-1/2" "TS" RBP, ON/OFF tool, 2-3/8" x 4" pup jnt, "HD" pkr, 1 jt tbg. SN, PU TIH w/ frac stnng (88 jts)       itart Time     18:30     Comment       4/21/2014     Report End Date     24nv Activity Summary       4/21/2014     Report End Date     End Time       00:00     End Time     Comment       itart Time     07:00     Comment       itart Time     07:00     Comment		(Carrows)
12:00     14:00     RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°,21" pen) 3 spf. Perferate D2 sds @ 4622-27' w/ ttl of 16 shots.       tan Time     14:00     End Time     Comment       14:00     16:00     Set racks. Unload 150 its L-80 lbg. Drift, talty & put thread protectors back on tbg.       tant Time     End Time     Comment       16:00     18:30     RU 5-1/2" "TS" RBP. ON/OFF tool, 2-3/8" x 4' pup jnt, "HD" pkr, 1 jt tbg. SN, PU TiH w/ frac string (88 jts)       epon Start Date     18:30     Comment       4/21/2014     Z4tr Activity Summary     Comment       4/21/2014     Z4tr Activity Summary     Comment       original     End Time     Comment       and Time     00:00     Comment       00:00     End Time     Comment       and Time     00:00     Comment       00:00     End Time     Comment       00:00     End Time     Comment       and Time     07:00     End Time     Comment       07:00     11:00     Held safety meeting. Continue TIH w/ tbg.		Held safety meeting. Open well w/ 0 psi on casing. TOOH w/ 148 its tbg. Breaking every collar, cleaning,
14:00     16:00     Set racks. Unload 150 its L-80 tbg. Drift, taity & put thread protectors back on tbg.       tart Time     End Time     Comment       16:00     18:30     RU 5-1/2" "TS" RBP. ON/OFF tool, 2-3/8" x 4' pup int, "HD" pkr, 1 it tbg, SN, PU TIH w/ frac string (88 jts)       tart Time     End Time     Comment       18:30     00:00     Comment       epon Start Date     24hr Activity Summary     Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.       tart Time     00:00     07:00     Comment       and Time     07:00     11:00     Held safety meeting. Continue TIH w/ tbg.		RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°,21" pen) 3 spf. Perferate
Land Time     End Time     Comment       16:00     18:30     RU 5-1/2" "TS" RBP, ON/OFF tool, 2-3/8" x 4' pup jnt, "HD" pkr, 1 jt tbg, SN, PU TIH w/ frac string (88 jts)       art Time     18:30     00:00       apont Start Date     Report End Date     24tr Activity Summary       4/21/2014     4/22/2014     24tr Activity Summary     Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.       art Time     00:00     607:00     Comment       art Time     00:00     11:00     Held safety meeting. Continue TIH w/ tbg.		
16:00       18:30       RU 5-1/2" *TS" RBP. ON/OFF tool, 2-3/8" x 4' pup jnt, "HD" pkr, 1 jt tbg, SN, PU TIH w/ frac string (88 jts)         art Time       18:30       End Time       Comment         apport Start Date       24tr Activity Summary       Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.         4/21/2014       4/22/2014       Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.         art Time       00:00       Comment         00:00       07:00       Comment         an Time       07:00       11:00       Held safety meeting. Continue TIH w/ tbg.	It Time End Time	Comment
18:30     00:00       epont Start Date     Report End Date     24tv Activity Summary       4/21/2014     4/22/2014     Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.       tart Time     End Time     Comment       00:00     07:00     Comment       tart Time     End Time     Comment       07:00     11:00     Held safety meeting. Continue TIH w/ tbg.	16:00 18:30	
4/21/2014     4/22/2014     Continue PU TiH w/ tbg. Test casing. Test tools. Break down zone.       tart Time     End Time     Comment       00:00     07:00     Comment       art Time     End Time     Comment       07:00     11:00     Held safety meeting. Continue TIH w/ tbg.	18:30 00:00	
tari Time Comment 00:00 End Time Comment tari Time O7:00 Comment 07:00 11:00 Held safety meeting. Continue TIH w/ tbg.		Break down zone.
arl Time Comment 07:00 11:00 Held safety meeting. Continue TIH w/ tbg.	rt Time End Time	
07:00 11:00 Held safety meeting. Continue TIH w/ tbg.		Commant
		Dage 48



#### Job Detail Summary Report

Well Name: Federal 8-20-9-16

	08:30		09:30	RU sand line & fish std vlv.
art Time	07:00	End Tim	08:30	Held safety meeting. Pump pressure to 3000 psi. Good test.
antitime	00:00	End Tin	07:00	Comment
4/24/2014	4/25/2014	Continue test on the		r fluid, Set pkr. MIT well, RDMOSU.
port Start Date	19:00 Report End Date	24hr Activity Summary	00:00	
art Time	17:00	End Tin	1e	Comment
art Time	47/00	End Tin	ne 19:00	Comment Pump 10 bbls wtr. Drop std vlv. Test tbg to 3000 psi w/ 20 bbls wtr. 3 failed tests.
art Time	15:00	End Tin	<sup>не</sup> 17:00	Comment RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nippl 1.87" IDDn/Off tool, 2-7/8" SN, TIH w/ 145 its of used 2-7/8" J-55 tbg.
lart Time	12:30	End Tin	ne 15:00	Comment LD 146 jts L-80 tbg. LD tools. Load out tbg on trailer w/ forklift.
art Time	10:00	End Tin	12:30	Comment RD frac crew. Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. Open equalize & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4650'.
art i <i>m</i> ne:	08:00		10:00	D2 sds @ 4622-27'. Down 2-7/8" tbg. Test lines to 5800 psi. Open well w/ 0 psi on casing. Fill casing w/ 20 bbls wtr. Held 200 psi on csg w/ frac w/ 5 bbls wtr. Broke @ 3178 psi. ISIP was 168580FG. Spear head 6 bbls of 15% HCL (rec'd 50 psi drop when hit perfs). Treated @ ave pressure of 3666 @ ave rate of 9.5 bpm w/ 220 bbls of 17# Borate Xlink frac fluid in wtr. Treated w/ 20,120# of 20/40 white sand @ 5 ppa. ISIP was 1725 w/ .81FG. min was 1318. 10 min was 1231. 15 min was 1114.
an time	07:00	End Tir	08:00	Held safety meeting. Open well w/ 0 psi on casing. RU Nabors frac crew.
art filme	00:00	End Tir	07:00	Contract
4/23/2014 art Time	4/24/2014			80 frac string, Load out frac string, RU inj. BHA, RIH w/ tbg. Test tbg.
eport Start Date	15:00 Report End Date	24hr Activity Summary	00:00	
lart Time	07:00	IEnd Ti	15:00	Wait on Nabors due to behind schedule for week.
tant Time	00:00	End Ti	07:00	Comment
4/22/2014	4/23/2014	Wait on frac crew		
eport Start Date	15:00 Report End Date	24hr Activity Summary	00:00	Comment
itart Time Hart Time	13:00	End Ti End Ti	15:00	Comment TIH w/ tbg & set RBP @ 4650'. Set pkr @ 4634'. Test tbg to 4200 psi w/ 8 bbls wtr. Release pkr. Reset @ 4585 Break zone down @ 2700 psi back to 2400 psi @ 1/4 bpm. ISIP was 2250 psi. Comment
	11:00		13:00	Set RBP @ 4550'. Fill well w/ 87 bbls. Test casing to 1500 psi w/ 5 bbls water. Good test. Release RBP.

#### Job Detail Summary Report

Well Name: Federal 8-20-9-16

www.newfield.co	m			Page 3/3 Report Printed: 4/3
				listed well. On 04/29/2014 the casing was pressured up to 1526 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was a State representative available to witness the test - Chris Jensen.
4/29/2014 art Time	4/29/2014 00:00	Conduct initia	ILMIT End Time 02:30	Comment On 04/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the a
port Start Date	Report End Date	24hr Aclivity Sum	nary	
art Time	11:00		End Time 00:00	Comment
art Time	09:00		End Time 11:00	Comment RDMOSU.
art Time	00:00		07:00 End Time 09:00	Comment Held Safety meeting. Well has 1500 psi on casing. RU Newfield Water Services & run MiT on casing.
4/25/2014 n Time	4/26/2014	Liest casing.	MIT csg w/ NFX water Services. RDMOS	Comment
ort Start Date	Report End Dale	24hr Activity Sum	mary	
rt Time	19:00		End Time 00:00	Comment
t Time	11:30		End Time 19:00	Comment Falled testing by gaining pressure
	09:30		End Time 11:30	Comment RD BOP's. Pump 50 bbls pkr fluid. Set pkr w/ 15,000#'s tension CE @ 4542' & EOT @ 4552'. Test casing to psi w/ 20 bbls of pkr fluid

#### NEWFIELD . De

Schematic

#### 141 ....

-9S-16E Rig Release	Date On Production Date Origin	43013331070000 50015923 hal KB Elevation (ft) Ground Elevation (ft)	3 Utah Total Depth Ali (TVD) (frKB)	Field Name GMBU CTB3 PBTD (All) (ftKB) County DUCHESNE
5/2007 6/16/2007		an ing maranan (n)		Original Hole - 5,888.0
Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
oduction / Workover	Conversion	OAP	4/15/2014	4/29/2014
0: 5,950.0		Vertical - Original Hole, 9/15/2014	3:55:07 PM	
D (ftKB) (ftKB)	Incl (°) DLS		Vertical schematic (actual)	
11.2	DLS (°			
12.1	13		100	
314.0				
315.0			1; Surface; 8 5/8 in; 8.097 i	n; 11-315 ftKB; 304.00 ft
321.9			A 4. Tubine: 0.7/9: 0.444.4	2 4 620. 4 626 67
4,537.7				2-4,538; 4,525.57 2 7/8; 2.250; 4,538-4,539; 1.10
4,538.7				A A AN AN A ANALY A A A A A A A A A A A A A A A A A A
4,540.7				
4,547.6				
4,548.2				
4,552.2				
4,553.5				
4,553.8				1.001, 4,000 4,004, 0.00
4,569.9			Perforated; 4,570-4,576; 7/	5/2007
4,576.1				
4,622.0			Perforated; 4,622-4,627; 4/	17/2014
4,627.0				
4,655 8				3/2007
4,663.1				
4,704.1			Perforated; 4,704-4,709; 7/	3/2007
4,709.0				
4,962.9				3/2007
4,971.1				
5,055 1 5,074 1			Perforated; 5,055-5,074; 7/	3/2007
5,128.9				
5,138.1			Perforated; 5,129-5,138; 7/	2/2007
5,164.0				
5,175.9			Perforated; 5,164-5,176; 7	/2/2007
5,270.0				
5,279.9			Perforated; 5,270-5,280; 7	/2/2007
5,483 9				100 10007
5,492.1			Perforated; 5,484-5,492; 6	/28/2007
5,888.1				
5,888 8				
5,933.4				
5,934,1			2; Production; 5 1/2 in; 4.9	50 in; 12-5,934 ftKB; 5,922.00 ft
5,950.1				

#### Newfield Wellbore Diagram Data Federal 8-20-9-16

Surface Legal L <sup>o</sup> cation 20-9S-16E					AP/UWI 43013331070000		Lease		
County	State/Province			Basin		Field Name			
OUCHESNE		Utah Spud Date			Uintah Basin GMBU CTB3 Final Rig Release Date On Production Date				
6/5/2007			6/5/2	007	6/16/2	2007	7/9/2	7/9/2007	
Inginal KB Elevation (ft) Ground Eleva	ation (ft)	Total Depth (flKi	B)	5,950.0	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,888	20	
	1			0,000.0					
Casing Strings		Run Da	ite	OD (in)	iD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)	
Surface		6/5/2007	t	8 5/8	8.097	24.00	J-55	31	
Production		6/15/2007		5 1/2	4.950	15.50	J-55	5,93	
Cement									
String: Surface, 315ftKB 6/5	/2007								
Cementing Company					Top Depth (#KB)	Bottom Depth (ftKB)	Fuli Return?	Vol Cement Ret (obl)	
Tuid Description					12.0 Fluid Type	322.0 Amount (sacks)	Class	Estimated Top (ftKB)	
ass "G" w/ 2% CaCL2 + 1/4#/	sk Cello-Fl	ake			Lead	160		12	
String: Production, 5,934ftK	B 6/16/200	17							
Cementing Company					Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,950.0	Fut Return?	Vol Cement Ret (bbl)	
	· · · · · · · · · · · · · · · · · · ·				Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)	
Premlite II w/ 10% gel + 3 % h	<cl, 5<b="">#'s /s</cl,>	ik CSE + 2#	sk/kolse	al + 1/4#'s/sk	Lead	300	PL II	12	
Cello Flake					Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)	
50/50 poz W/ 2% Gel + 3% K(	CL, .5%EC	1,1/4# sk C.	F. 2% ge	. 3% SM	Tail		50:50	Estimated Top (fikB)	
Tubing Strings					•		•		
Tubing Description Tubing					Run Date 4/24/	2014	Set Depth (ftKB)	4,550	
Nem Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Tubing	145	2 7/8	2.441	6.50		4,525.57	12.0	4,537	
Pump Seating Nipple	1	2 7/8	2.250		N-80	1.10	4,537.6	4,538	
On-Off Tool	1	2 7/8	2.441			1.94	4,538.7	4,540	
Packer	1	5 1/2	4.950			6.99	4,540.6	4,547	
Cross Over	1	2 7/8	1.991			0.60	4,547.6	4,548	
Tubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.11	4,548.2	4,552	
Profile Nipple	1	2 3/8	1.875		N-80	1.10	4,552.3	4,553	
Wireline Guide	1	2 3/8	1.991			0.50	4,553.4	4,553	
Rod Strings									
					Run Date		Set Depth (ftKB)		
Rod Description									
Rod Description	Jts	OD (ir	n)	Wt (lb/ft)	Grade	Len (fl)	Top (ftKB)	Btm (ftKB)	
	Jts	OD (ii	n)	Wt (Ib/ft)	Grade	Len (fl)	Top (fiKB)	Btm (ftKB)	
liem Des	Jts	······································							
llem Des Perforation Intervais Stage# Zone	Jts	OD (ir Top (fth	<b)< td=""><td>Blm (fiKB)</td><td>Shot Dens (shots/ft)</td><td>Phasing (*)</td><td>Nom Hole Dia (in)</td><td>Date</td></b)<>	Blm (fiKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date	
Ilem Des Perforation Intervais Stage# Zone 7 D1 Original Hole	Jts	······································	<b) 4,570</b) 	Birn (ftKB) 4.576	Shot Dens (shots/ft)	Phasing (*) 120	Nom Hole Dia (in)	Date 7/5/2007	
Ilem Des           Perforation intervais           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole	Jts	······································	< <u>B)</u> 4,570 4,622	<u>Blm (ftKB)</u> 4.576 4,627	Shot Dens (shots/ft) 4 3	Phasing (*) 120 120	Nom Hole Dia (in) ().340	Date 7/5/2007 4/17/2014	
Ilem Des           Perforation intervais           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole	Jts	······································	< <u>8)</u> 4,570 4,622 4,656	Blm (ftKB) 4,576 4,627 4,663	Shot Dens (shots/ft) 4 3 4	Phasing (*) 120 120 120	Nom Hole Dia (in) ().340	Date 7/5/2007 4/17/2014 7/3/2007	
Ilem Des           Perforation intervais           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole           6         C, Original Hole	Jis	······································	< <u>8)</u> 4,570 4,622 4,656 4,704	Blm (ftKB) 4.576 4,627 4,663 4,709	Shot Dens (shots/ft) 4 3 4	Phasing (*) 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007	
Item Des           Perforation Intervals           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole           6         C, Original Hole           5         A1, Original Hole		······································	(B) 4,570 4,622 4,656 4,704 4,963	Btm (ftKB) 4,576 4,627 4,663 4,709 4,971	Shot Dens (shots/ft) 4 3 4	Phasing (*) 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007	
Item Des           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole           6         C, Original Hole           6         C, Original Hole           6         A1, Original Hole           5         A1, Original Hole           4         LODC, Original Hole	e	······································	(B) <ul> <li>4,570</li> <li>4,622</li> <li>4,656</li> <li>4,704</li> <li>4,963</li> <li>5,055</li> </ul>	Blm (ftKB) 4,576 4,627 4,663 4,709 4,971 5,074	Shot Dens (shots/īt) 4 3 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120	Nom Hole Dia (in) ().340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007	
Item Des           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole           6         C, Original Hole           5         A1, Original Hole           4         LODC, Original Hol           3         LODC, Original Hol	e e	······································	(B) <ul> <li>4,570</li> <li>4,622</li> <li>4,656</li> <li>4,704</li> <li>4,963</li> <li>5,055</li> <li>5,129</li> </ul>	Blm (ftKB) 4.576 4,627 4,663 4,709 4,971 5,074 5,138	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120	Nom Hole Dia (in) ().340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007	
Item Des           Perforation Intervals           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole           6         C, Original Hole           5         A1, Original Hole           4         LODC, Original Hol           3         LODC, Original Hol           3         LODC, Original Hol	e e e	······································	(5) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164	Btm (fttKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) ().340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007	
Item Des         Perforation Intervals         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hol         3       LODC, Original Hol         3       LODC, Original Hol         2       LODC, Original Hol	e e e	······································	(B) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164 5,270	Btm (ttKB) 4.576 4,627 4,663 4,709 4,971 5,074 5,138 5,176 5,280	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007	
Item Des           Perforation Intervals           Stage#         Zone           7         D1. Original Hole           1         D2, Original Hole           6         D3, Original Hole           6         C, Original Hole           5         A1, Original Hole           4         LODC, Original Hol           3         LODC, Original Hol           3         LODC, Original Hol	e e e	······································	(5) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164	Btm (fttKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007	
Ilem Des         Perforation Intervals         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hol         4       LODC, Original Hol         1       DDC, Original Hol         2       LODC, Original Hol         1       CP1, Original Hole         5       Stimulations & Treatments	e e e e e	······································	<ul> <li>(8)</li> <li>4,570</li> <li>4,622</li> <li>4,656</li> <li>4,704</li> <li>4,963</li> <li>5,055</li> <li>5,129</li> <li>5,164</li> <li>5,270</li> <li>5,484</li> <li>nt (ps/m)</li> </ul>	Btm (ttKB) 4.576 4,627 4,663 4,709 4,971 5,074 5,138 5,176 5,280	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007	
Ilem Des         Perforation Intervals         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hol         4       LODC, Original Hol         1       DC, Original Hol         1       LODC, Original Hol         2       LODC, Original Hol         1       CP1, Original Hole         5       Stimulations & Treatments	e e e e 2,369	Top (fit	<ul> <li>(8)</li> <li>4,570</li> <li>4,622</li> <li>4,656</li> <li>4,704</li> <li>4,963</li> <li>5,055</li> <li>5,129</li> <li>5,164</li> <li>5,270</li> <li>5,484</li> <li>nt (psim)</li> <li>0.86</li> </ul>	Blm (ttKB) 4.576 4,627 4,663 4,709 4,971 5,074 5,138 5,176 5,280 5,492	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	
Item Des         Perforation Intervals         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hol         4       LODC, Original Hol         2       LODC, Original Hol         1       CP1, Original Hole         Stage#       ISIF	e e e e 2,369 2,486	Top (fit	(B) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164 5,270 5,164 5,270 5,484 nt (psi/m) 0.86 0.9	Blm (ftKB) 4.576 4,627 4,663 4,709 4,971 5,074 5,138 5,176 5,280 5,492 Max Rate (bbl/min)	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 5 (psi) 2,715 2,730	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	
Item Des         Perforation Intervals         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hol         4       LODC, Original Hol         1       CPC, Original Hol         2       LODC, Original Hol         1       CP1, Original Hole         5       Stage#	e e e e 2,369	Top (fit	<ul> <li>(8)</li> <li>4,570</li> <li>4,622</li> <li>4,656</li> <li>4,704</li> <li>4,963</li> <li>5,055</li> <li>5,129</li> <li>5,164</li> <li>5,270</li> <li>5,484</li> <li>nt (psim)</li> <li>0.86</li> </ul>	Blm (ttKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176 5.280 5.492 Max Rate (bbl/min) 24.7	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 5,715 2,730	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	
Item Des         Perforation Intervais         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hol         4       LODC, Original Hol         2       LODC, Original Hole         5       Stage#         1       Stage#         1       2	e e e e 2,369 2,486	Top (fit	(B) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164 5,270 5,164 5,270 5,484 nt (psi/m) 0.86 0.9	Blm (ttKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176 5.280 5.492 Max Rate (bbl/min) 24.7 24.5	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 5,715 2,730 2,874	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	
Item Des         Perforation Intervais         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hol         4       LODC, Original Hol         1       CP1, Original Hole         5       Stage#         1       Stage#         1       2	e e e e 2,369 2,369 2,486 2,775	Top (fit	(B) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164 5,270 5,164 5,270 5,484 nt (psim) 0.86 0.9 0.97	Blm (ttKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176 5.280 5.492 Max Rate (bbl/min) 24.7 24.5 24.5	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5,715 2,730 2,874 2,660	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	
Item Des         Perforation Intervais         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C. Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hole         4       LODC, Original Hole         5       LODC, Original Hole         1       CP1, Original Hole         1       CP1, Original Hole         5       Stage#         12       Stage#         3       4	e e e e 2,369 2,486 2,775 2,680	Top (fit	(B) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164 5,270 5,164 5,270 5,484 Int (psi/m) 0.86 0.9 0.97 0.96	Blm (ftKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176 5.280 5.492 Max Rate (bbl/min) 24.7 24.5 24.5 24.5	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	
Item Des         Perforation Intervais         Stage#       Zone         7       D1. Original Hole         1       D2, Original Hole         6       D3, Original Hole         6       C, Original Hole         5       A1, Original Hole         4       LODC, Original Hole         3       LODC, Original Hole         4       LODC, Original Hole         1       CP1, Original Hole         1       CP1, Original Hole         5       Stage#	e e e e 2,369 2,486 2,775 2,680 2,290	Top (fit	(B) 4,570 4,622 4,656 4,704 4,963 5,055 5,129 5,164 5,270 5,164 5,270 5,484 nt (ps/m) 0.86 0.9 0.97 0.96 0.89	Blm (ftKB) 4.576 4.627 4.663 4.709 4.971 5.074 5.138 5.176 5.280 5.492 Max Rate (bbl/min) 24.7 24.5 24.5 24.5 24.7	Shot Dens (shots/ft) 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Phasing (*) 120 120 120 120 120 120 120 120 120 120	Nom Hole Dia (in) 0.340	Date 7/5/2007 4/17/2014 7/3/2007 7/3/2007 7/3/2007 7/3/2007 7/2/2007 7/2/2007 7/2/2007 6/28/2007	

www.newfield.com



#### Newfield Wellbore Diagram Data Federal 8-20-9-16

roppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
	20.120	Main White Sand 20120 lbs
	20,120	
www.newfield.co	m	Page 2/2 Report Printed: 9/15

DI	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES IVISION OF OIL, GAS, AND MININ	١G	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018	
SUNDRY	NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
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	II horizontal laterals.	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: Federal 8-20-9-16	
2. NAME OF OPERATOR: Newfield Production Compar	ıy		9. API NUMBER: 43013331070000	
<b>3. ADDRESS OF OPERATO</b> 4 Waterway Square Place, Su	OR: ite 100, The Woodlands, TX, 77380	<b>PHONE NUMBER:</b> 435-646-4802	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE 2133 FNL 746 FEL	:		COUNTY: DUCHESNE	
QTR/QTR, SECTION, TO	WNSHIP, RANGE, MERIDIAN: Township: 9S Range: 16E Meridian: S		STATE: UTAH	
11. CHECK	APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE,	REPORT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTIO	N	
		ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	COMMINGLE PRODUCING FOR	RMATIONS CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:		FRACTURE TREAT	□ NEW CONSTRUCTION	
3/28/2019	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	□ RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	□ REPERFORATE CURRENT FORMATION □	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	$\Box$ wildcat well determination $\checkmark$	OTHER	OTHER: MIT	
On 03/26/2019 M concerning the 5 Yea pressured up to 107 well was injecting du	<b>D OR COMPLETED OPERATIONS. Clearly sh</b> Mark Reinbold with the State of Utah r MIT on the above listed well. On 03 4 psig and charted for 30 minutes wi uring the test. The tubing pressure we s not a State representative available	DOGM was contacted /28/2019 the casing th no pressure loss. 7 as 1626 psig during t	was Utah Division of	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBI 435 646-4874	<b>TITLE</b> Field Production Assista	nt	
SIGNATURE N/A		<b>DATE</b> 4/2/2019		

Sundry Number: 9499	1 API Well Nu Mechar	mber: 4 dicalInt	30133310700 egrity Test	000		
	or Annulus Pr		<b>O</b>		- 4-	
				integrity res	st	
			on Company			
		Rt 3 Box 3				
		lyton, UT 8				
		435.646.3	/21			
UDOGM Witness:			Date: 3-28-	19 Time	9.51	(a)
Test Conducted By: EVER	ETT UNRYH				1.74	_ m pm
O thers Present:						
Well Name: FEDER	AL 8-20-9-1	10				
D. 11		4	Countra	1		
			County: Duc			uT
Location: <u>SENE</u> Sec:	_20	T_9_	N/S	R_16_	(E)/ W	
Operator: <u>NEWFIELD</u>			API# 43-01	3-33107		
Last MIT: 4/29/2014		Maximu	m Allowable Pres	sure: 1670		psig
Is this a regulary sche Initial Test for Permit Test after well rework Well injection during	? {	<} Yes } Yes } Yes } Yes	<pre>{ } No { &gt;&gt;&gt; } No { &gt;&gt;&gt; } No { &gt;&gt;&gt; } No { &gt;&gt;&gt; } No</pre>	If Yes, rate: _	22	bpd
Pre-test casing / tubing annu	ilus pressure:	-0-	/	1625	_psig	opu
MIT DATA TABLE	Test #1		Test #2			]
TUBING	PRESSURE		7			
Initial Pressure	1625	psig		psig		
End of test pressure	1626	psig		psig		
CASING / TUBING	ANNULUS		PRESSURE			
O minutes	1079.6	psig		psig		
5 minutes	1079.0	psig		psig		
1 O minutes	1078.0	psig		psig		
15 minutes	1076.8	psig		psig		
20 minutes	1076.0	psig		psig		
25 minutes	1074.8	psig		psig		
30 minutes	1074.2	psig		psig		
minutes		psig		psig		
minutes		psig		psig		
RESULT (>>>	Pass {	} Fail	{ } Pass	{ } F	ail	
Does the annulus pressure build ba	ack up after test?	{ } }	Yes {	No No		ц о

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

Signature of Witness:

Signature of Person Conducting Test Spine Total Hannel

# Federal 8-20-9-16 (3/28/2019, 5 yr. MIT) 3/28/2019 9:51:29 AM

Legend P23442 Absolute Pressure	10:25:00 AM 3/28/2019
(izq) ətulozdA 700 1200 1200 1200 900 1200 1200 1200 900 1200 1200 1200 900 1200 1200 1200 1200 1200 900 1200 1200 1200 1200 1200 1200 1200 1	700

#### 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。				
<b>REVIEW:</b> 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							
<b>DATA ENTRY:</b> 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 DEPARTMENT OF NATURAL RE			FORM 9
	5. LEASE DESIGNATION AND SERIAL NUMBER			
	see attached list			
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached			
Do not use this form for proposals to drill n drill horizontal la	7 UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL	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 <sub>CIT</sub>	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	TYI	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	5. LEASE DESIGNATION AND SERIAL NUMBER see attached list					
SUNDRY NOTICES AND R	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	h, reenter plugged wells, or to s.	7 UNIT or CA AGREEMENT NAME:				
	8. WELL NAME and NUMBER:					
2. NAME OF OPERATOR:	9. API NUMBER:					
Newfield Production Company		attached				
3. ADDRESS OF OPERATOR: 4 Waterway Square Place SL <sub>CLTY</sub> The Woodlands	ETX ZIP 77		PHONE NUMBER: (435) 646-4936		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 3/16/2020	- <del>1</del>		
(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
	<sub>city</sub> The Woodlands <sub>state</sub> TX <sub>zip</sub> 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: <b>OPERATOR CHANGES DOCUN</b> 1. Sundry or legal documentation wi 2. Sundry or legal documentation wi 3. New operator Division of Corpora <b>REVIEW:</b> 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	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL
Approximate date work will start:	
7/1/2021 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	
	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion:	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es, etc.
This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA In will be operated under Ovintiv USA Inc. effect July 1, 2021.	nc. Attached is a list of all wells that
PREVIOUS NAME:NEW NAME:Ovintiv Production Inc.Ovintiv USA Inc.4 Waterway Square Place Suite 1004 Waterway Square Place Suite 100The Woodlands, TX 77380The Woodlands, TX 77380	
(281) 210-5100 (281) 210-5100	
NAME (PLEASE PRINT) Julia Carter TITLE Manager, US Reg	gulatory Operations
SIGNATURE Julia M Canter DATE 9/8/2021	
This space for State use only)	ROVED
By Ut	ah Division of
	as, and Mining
5/2000) (See Instructions on Reverse Side)	rel Medina



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

UIC FORM 5

Well Name and			INJECT
See attache			API Number Attached
Location of Wel			Field or Unit Name
Footage :		County :	See Attached
QQ, Section,	, Township, Range:	State : UTAH	Lease Designation and Number 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:	Juliom. Carter
	<sub>city</sub> The Woodlands state TX zip 77380	Title:	Manager, US Regulatory Operations
Phone:	(281) 210-5100	Date:	9/8/2021
Comments:			
		·····	
NEW OPERAT			
NEW OPERAT	TOR Ovintiv USA Inc.	Name:	Julia Carter
		Name: Signature:	Julia Carter
Company:	Ovintiv USA Inc.		~
	Ovintiv USA Inc. 4 Waterway Square Place Suite 100	Signature:	Julian Caster
Company: Address:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands state TX zip 77380</u> (281) 210-5100	Signature: Title:	Julian Carter Manager, US Regulatory Operations
Company: Address: Phone:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands state TX zip 77380</u> (281) 210-5100	Signature: Title:	Julian Carter Manager, US Regulatory Operations
Company: Address: Phone:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands state TX zip 77380</u> (281) 210-5100	Signature: Title:	Julian Carter Manager, US Regulatory Operations
Company: Address: Phone: Comments:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands state TX zip 77380</u> (281) 210-5100	Signature: Title:	Julian Carter Manager, US Regulatory Operations
Company: Address: Phone:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands <sub>state</sub> TX <sub>zip</sub> 77380 (281) 210-5100 tate use only) Approved by the</u>	Signature: Title: Date:	Julian Caster Manager, US Regulatory Operations 9/8/2021
Company: Address: Phone: Comments:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands state TX zip 77380</u> (281) 210-5100 tate use only) Approved by the Utah Division of	Signature: Title: Date:	Julian Carter Manager, US Regulatory Operations 9/8/2021
Company: Address: Phone: Comments:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands <sub>state</sub> TX <sub>zip</sub> 77380 (281) 210-5100 tate use only) Approved by the</u>	Signature: Title: Date: 	Julian Caster         Manager, US Regulatory Operations         9/8/2021
Company: Address: Phone: Comments:	Ovintiv USA Inc. <u>4 Waterway Square Place Suite 100</u> <u>city The Woodlands state TX zip 77380</u> (281) 210-5100 tate use only) Approved by the Utah Division of	Signature: Title: Date:    Max Max Perm	Julian Carter Manager, US Regulatory Operations 9/8/2021

Oct 04, 2021

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

Effective Date:		9/1/202	22							
FORMER OPERATOR:				NEW OPERAT	FOR:					
Ovintiv USA, Inc.				Scout Energy M	anagement, LLC					
Groups:										
WELL INFORMATION:										
Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Туре	Status	
See Attached List				-						
Total Well Count: Pre-Notice Completed: OPERATOR CHANGES DOCUM	2888 10/19/2022 MENTATION									
1. Sundry or legal documentation wa	is received from	n the FC	ORME	R operator on:			9/26/2022			
2. Sundry or legal documentation was received from the NEW operation			erator on:			9/26/2022				
3. New operator Division of Corpora	ations Business	Numbe	r:		12607016-0161					
<b>REVIEW:</b>										
Receipt of Acceptance of Drilling Pr	ocedures for A	PD on:				11/15/2022				
Reports current for Production/Dispo	osition & Sundi	ries:			10/19/2022					
OPS/SI/TA well(s) reviewed for full	cost bonding: A	Approve	d by D	ustin	10/11/2022					
UIC5 on all disposal/injection/storag	e well(s) Appro	oved on:	Appro	ved by Orlan	12/15/2022					
Surface Facility(s) included in operation	tor change:			10/19/2022						
NEW OPERATOR BOND VERIE						_				
State/fee well(s) covered by Bond No	umber(s):			612402641-Blan 612402460-Full	iket Bond -Cost Shut-In Bond					
DATA ENTRY:										
Well(s) update in the RBDMS on:				12/20/2022 and	1/25/2023					
Group(s) update in RDBMS on:				12/20/2022						
Surface Facilities update in RBDMS	on:			NA						
Entities Updated in RBDMS on:				1/25/2023						

	STATE OF UTAH DEPARTMENT OF NATURAL RESC	DURCES	FORM
	DIVISION OF OIL, GAS AND		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit A
SUNDR	Y NOTICES AND REPOR	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	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: 13800 Montfort Road, Suite 1 <sub>CI</sub>		PHONE NUMBER: (972) 325-1096	10. FIELD AND POOL, OR WILDCAT: See attached Exhibit A
4. LOCATION OF WELL	TY Dunus STATE		
FOOTAGES AT SURFACE: See a	attached Exhibit A		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:		STATE:
			UTAH
11. CHECK APP TYPE OF SUBMISSION	KUPRIATE BOXES TO INDIC	ATE NATURE OF NOTICE, REF	ORT, OR OTHER DATA
	ACIDIZE		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)		FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:			
9/1/2022	CHANGE TO PREVIOUS PLANS		
SUBSEQUENT REPORT			
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:			H
	ary as notification of the transfer	of operatorship of the wells liste	d on the attached exhibit from Ovint
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7	re, Suite 100 77380	eptember 1, 2022. NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240	agement, LLC
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 A Signature - Christian C. S	e, Suite 100 77380 Sizemore	NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240 Signature - Todd	agement, LLC ad, Suite 100 Hott
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7	e, Suite 100 77380 Sizemore nd Innovation	NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240 Signature - Todd Managing Director	agement, LLC ad, Suite 100 =Lott =Lott =12402460 / #61242461
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 Signature - Christian C. S Director, Rockies and La State/Fee Bond #105189	Exe, Suite 100 77380 Sizemore nd Innovation 19977	NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240 Signature - Todd Managing Director State/Fee Bond #6	agement, LLC ad, Suite 100 =Lott 512402460 / #61242461 12462 ctor
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 Signature - Christian C. S Director, Rockies and La State/Fee Bond #105189 BLM Bond #105073466	e, Suite 100 77380 Sizemore nd Innovation 1977	NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240 Signature - Todd Managing Director State/Fee Bond #6 BLM Bond #61240	agement, LLC ad, Suite 100 FLott 512402460 / #61242461 92462
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 Signature - Christian C. S Director, Rockies and La State/Fee Bond #105189 BLM Bond #105073466	e, Suite 100 77380 Sizemore nd Innovation 1977	NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240 Signature - Todd Managing Director State/Fee Bond #6 BLM Bond #61240	agement, LLC ad, Suite 100 =Lott 512402460 / #61242461 22462 ctor
PREVIOUS OPERATOR Ovintiv USA Inc. 4 Waterway Square Plac The Woodlands, Texas 7 Signature - Christian C. S Director, Rockies and La State/Fee Bond #105189 BLM Bond #105073466	e, Suite 100 77380 Sizemore nd Innovation 1977	NEW OPERATOR Scout Energy Man 13800 Montfort Ro Dallas, TX 75240 Signature - Todd Managing Director State/Fee Bond #6 BLM Bond #61240 TITLE Managing Dire DATE T31/2	agement, LLC ad, Suite 100 =Lott 512402460 / #61242461 22462 ctor

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 :	County : see attached	Field or Unit Name see attached Exhibit A
QQ, Section, Township, Range:	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

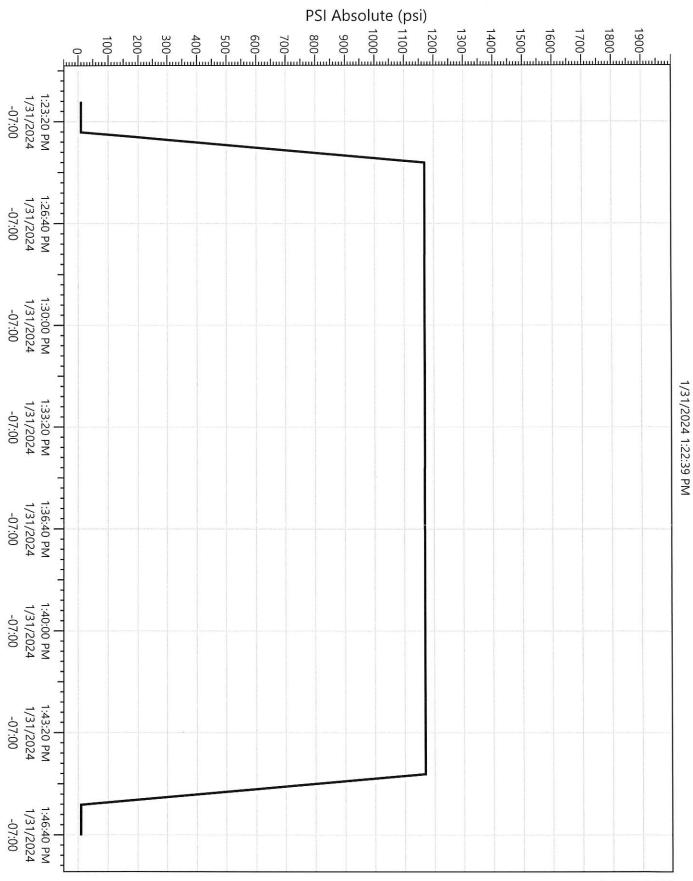
ompany:     Scout Energy Management LLC     Name:     On Pi       ddress:     13800 Montford Road, Suite 100     Signature:     Image: Signature:	A
	Jon Piot
city Dallas state TX zip 75240 Title: Managine	Director
Phone: 972-325-1027 Date: 11/15/202	
Comments: Change of operator effective 9/1/2022	

EPA	approval	require	d

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

			FORM 9
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018		
SUND	RY NOTICES AND REPORTS ON	N WELLS	6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ex ged wells, or to drill horizontal laterals. Use AF		7.UNIT or CA AGREEMENT NAME: Greater Monument Butte
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: Federal 8-20-9-16
2. NAME OF OPERATOR: Scout Energy Management, LL	с		9. API NUMBER: 43013331070000
3. ADDRESS OF OPERATOR: 13800 Montfort Drive, Suite 10		<b>ONE NUMBER:</b> 277-1397	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2133 FNL 746 FEL QTR/QTR, SECTION, TOWNSHIP	COUNTY: DUCHESNE		
Qtr/Qtr: SENE Section: 20 To	ownship: 9S Range: 16E Meridian: S		UTAH
11. CHE	ECK APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPORT, C	)R OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
An updated 5 YR MIT was pressured up to 1169 PSIG		31/24 the casing was sure loss. The tubing as present to witness	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  WATER DISPOSAL  APD EXTENSION  OTHER: MIT  Utah Division of Oil, Gas and Mining  OR RECORD ONLLY  Sebruary 15, 2024
NAME (PLEASE PRINT) Danene Harvey SIGNATURE	<b>PHONE NUMBER</b> 972-325-1114	TITLE Sr. Regulatory Analyst DATE	
N/A		2/5/2024	

	Mechanical Integ	grity Test			
Casing or Annulus Pressure Mechanical Integrity Test					
Scout EP					
1820 W Highway 40					
	Roosevelt, UT 8				
	435.352.628				
Witness	Date:	1/31/24	Time: $1:20$ am $pO'$		
Test Conducted By: Jimm Others Present:	nic Banks	43-013	-33107		
[]			4		
Well Names, Feder	al 8-20-9,16	<u> </u>			
Field: Greater Monue	ment Batte	County: Suches P	state: UT		
Location: Sec:	<u>_20</u> T <u>9</u>	N/69° R_	16 8/W		
Operator ScoutEP					
Last MI / /	Maximum	Allowable Pressure: /	670 psig		
Is this a regulary sched	. ,	{ } No			
Initial Test for Permit?	{ } Yes	{ No			
Test after well rework?	? { } Yes	{ CINO			
Well injection during t	est? { } Yes	{ INO IT	Yes, rate: bpd		
Pre-test casing / tubing annu	ulus pressure:O	1646	psig		
MIT DATA TABLE	Test #1	Test #2			
TUBING	PRESSURE				
Initial Pressure	psig		psig		
End of test pressure 1645	psig		psig		
CASING / TUBING		PRESSURE			
0 minutes 1/19	psig		psig		
5 minutes 1169	psig		psig		
10 minutes // 6/			psig		
15 minutes // 9	psig		psig		
20 minutes // 6/	psig psig		psig		
25 minutes // 67			psig		
30 minutes	psig		psig		
minutes	psig		psig		
minutes	psig psig		psig		
	1				
RESULT {	Pass { } Fail	{ } Pass	{ } Fail		
Does the annulus pressure build Additional comments for mecha		Yes { } 1 ch as volume of fluid			
back at end of test, reason for fa	iling test (casing head leak mit	oing leak, other), etc.:			
Signature of Witness:	True 1	11	<u>.</u>		
Signature of Person Conducting	Test: / emme ben	NJ	<u> </u>		
	$\bigcirc$				



Legend

Federal 8-20-9-16