Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-74392

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Federal 14-21-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-33141

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface SE/SW 797' FSL 1993' FWL 574599 X 40.011302
At proposed prod. zone 4429167Y -110.125947

11. Sec., T., R., M., or Blk. and Survey or Area: SE/SW Sec. 21, T9S R16E

14. Distance in miles and direction from nearest town or post office*: Approximatley 23.5 miles southwest of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1843' f/lse, NA f/unit

16. No. of Acres in lease: 2080.00

17. Spacing Unit dedicated to this well: 40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1004'

19. Proposed Depth: 6020'

20. BLM/BIA Bond No. on file: UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 6052' GL

22. Approximate date work will start*: 2nd Quarter 2006

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 4/6/06

Title: Regulatory Specialist

Approved by *(Signature)*: Bradley G. Hill — Name *(Printed/Typed)*: BRADLEY G. HILL — Date: 04-17-06

Title: ENVIRONMENTAL MANAGER — Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

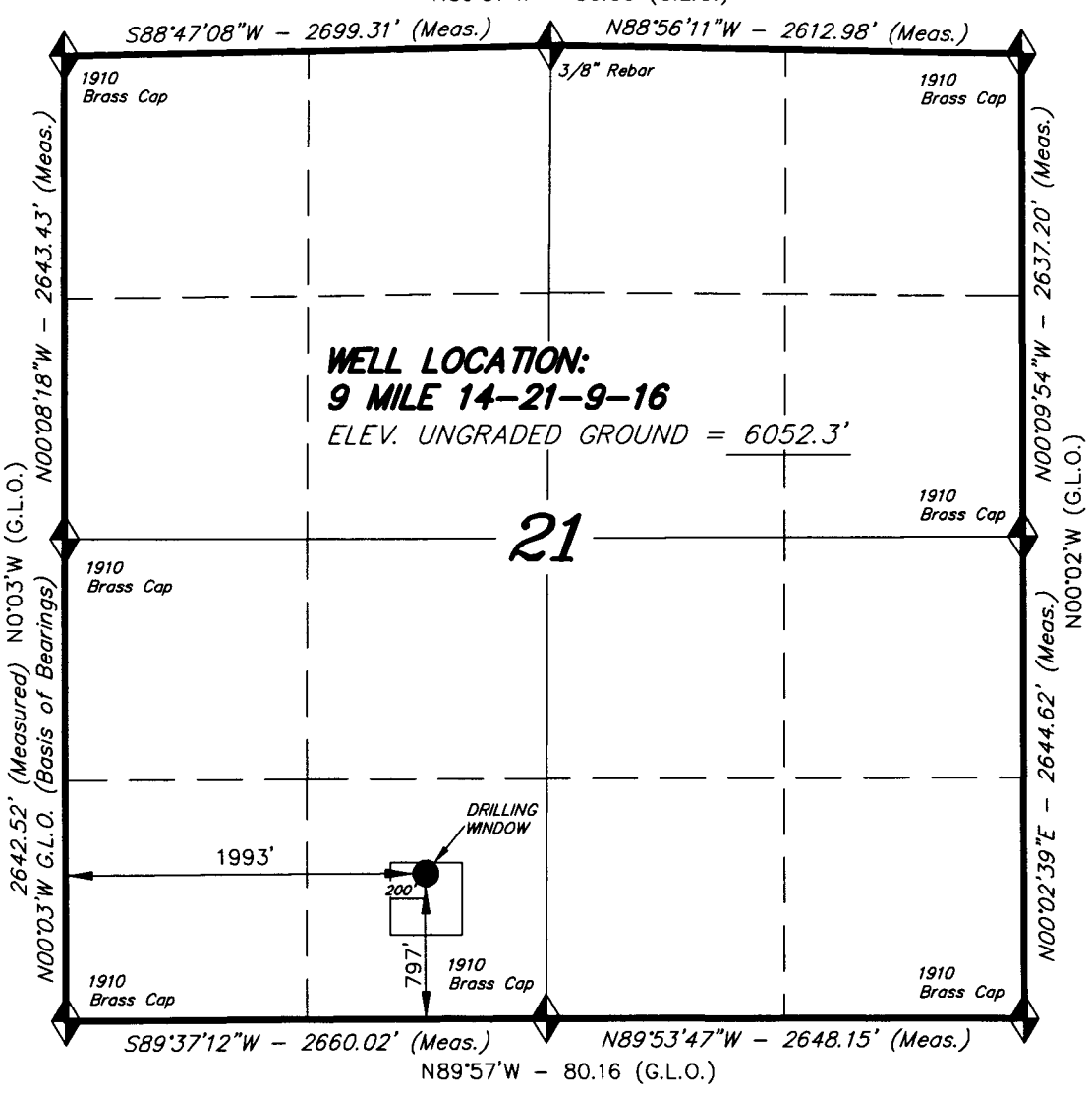
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

Federal Approval of this Action is Necessary

RECEIVED
APR 07 2006
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 14-21-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 40.86"
LONGITUDE = 110° 07' 35.99"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 14-21-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 3-23-06	SURVEYED BY: C.M.
DATE DRAWN: 3-26-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD

April 6, 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 9-21-9-16, 11-21-9-16, 12-21-9-16, 13-21-9-16, and 14-21-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 9-21-9-16 and 11-21-9-16 are Exception Locations. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
APR 07 2006
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
FEDERAL #14-21-9-16
SE/SW SECTION 21, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. *GEOLOGIC SURFACE FORMATION:*

Uinta formation of Upper Eocene Age

2. *ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:*

Uinta	0' – 2460'
Green River	2460'
Wasatch	6020'

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

Green River Formation 2460' – 6020' - Oil

4. *PROPOSED CASING PROGRAM*

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

5. *MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:*

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

6. *TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:*

Please refer to the Monument Butte Field SOP.

7. *AUXILIARY SAFETY EQUIPMENT TO BE USED:*

Please refer to the Monument Butte Field SOP.

8. *TESTING, LOGGING AND CORING PROGRAMS:*

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 #14-21-9-16
SE/SW SECTION 21, 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 #14-21-9-16 located in the SE 1/4 SW 1/4 Section 21, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly – 10.9 miles ± to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly – 10.1 miles ± to it's junction with an existing road to the southeast; proceed southeasterly and then northeasterly – 0.9 miles ± to it's junction with the beginning of the proposed access road: proceed along the proposed access road – 160'± 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. *SOURCE OF CONSTRUCTION MATERIALS*

Please refer to the Monument Butte Field SOP.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

Please refer to the Monument Butte Field SOP.

8. *ANCILLARY FACILITIES*

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 (Proposed location and access roads leading to).

12. *OTHER ADDITIONAL INFORMATION*

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #14-21-9-16 Newfield Production Company requests 160' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 160' of disturbed area be granted in Lease UTU-74392 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
None.

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)

Western Wheatgrass	*Pascopyrum Smithii*	6 lbs/acre
Galletta Grass	*Hilaria Jamesii*	6 lbs /acre

Details of the On-Site Inspection
The proposed Federal #14-21-9-16 was on-sited on 3/17/06. The following were present: Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

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

Representative

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 #14-21-9-16 SE/SW Section 21, Township 9S, Range 16E: Lease UTU-74392 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.

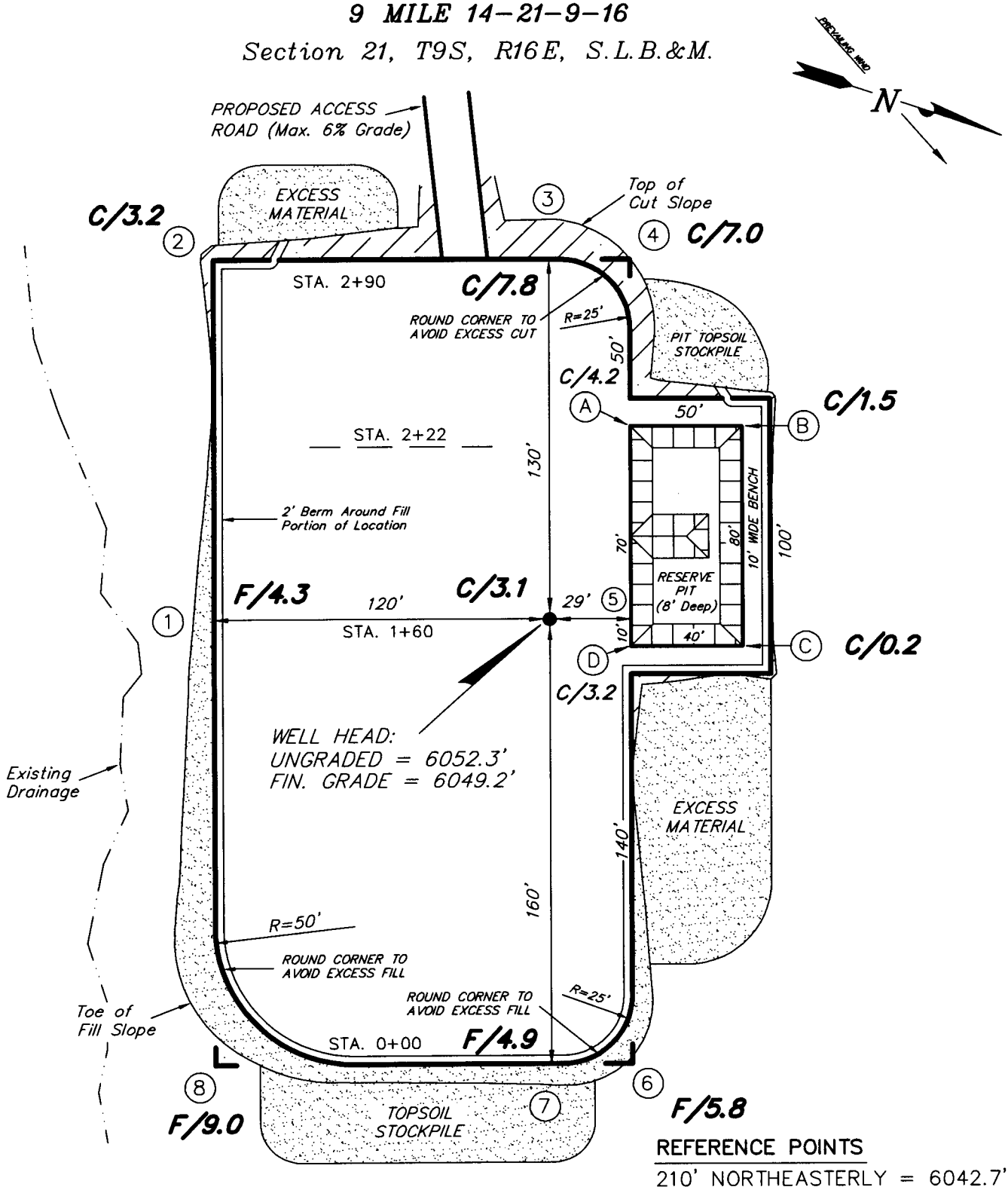
4/6/06
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 14-21-9-16

Section 21, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

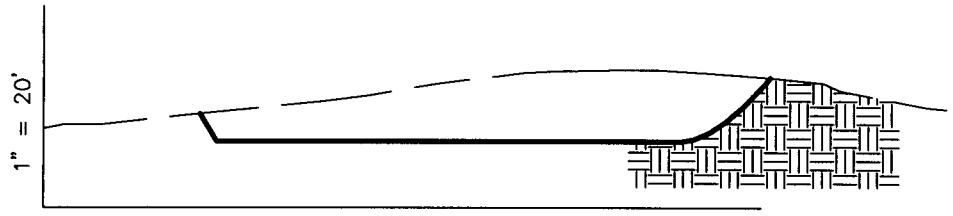
210' NORTHEASTERLY = 6042.7'
260' NORTHEASTERLY = 6041.3'
170' SOUTHEASTERLY = 6043.9'
220' SOUTHEASTERLY = 6047.5'

SURVEYED BY: C.M.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: M.W.	DATE: 3-26-06	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

NEWFIELD PRODUCTION COMPANY

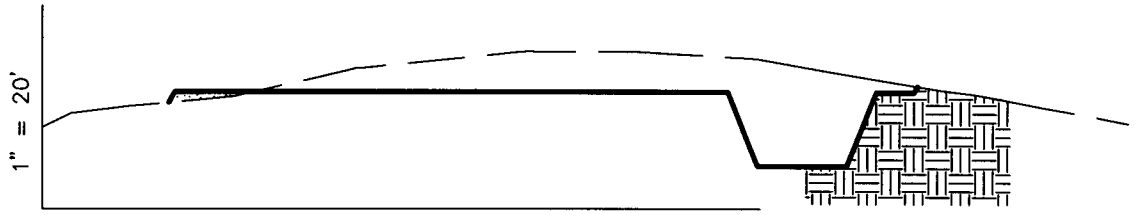
CROSS SECTIONS

9 MILE 14-21-9-16



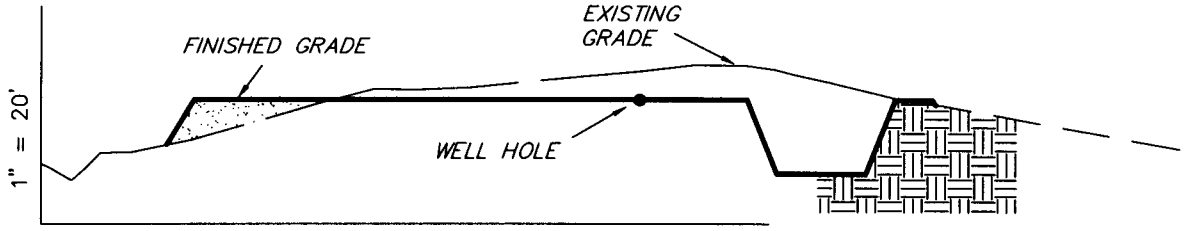
1" = 50'

STA. 2+90



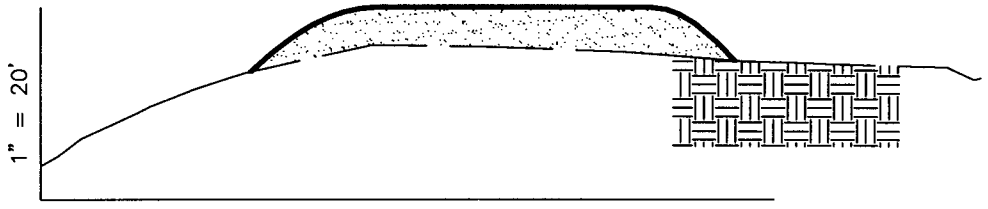
1" = 50'

STA. 2+22



1" = 50'

STA. 1+60



1" = 50'

STA. 0+00

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

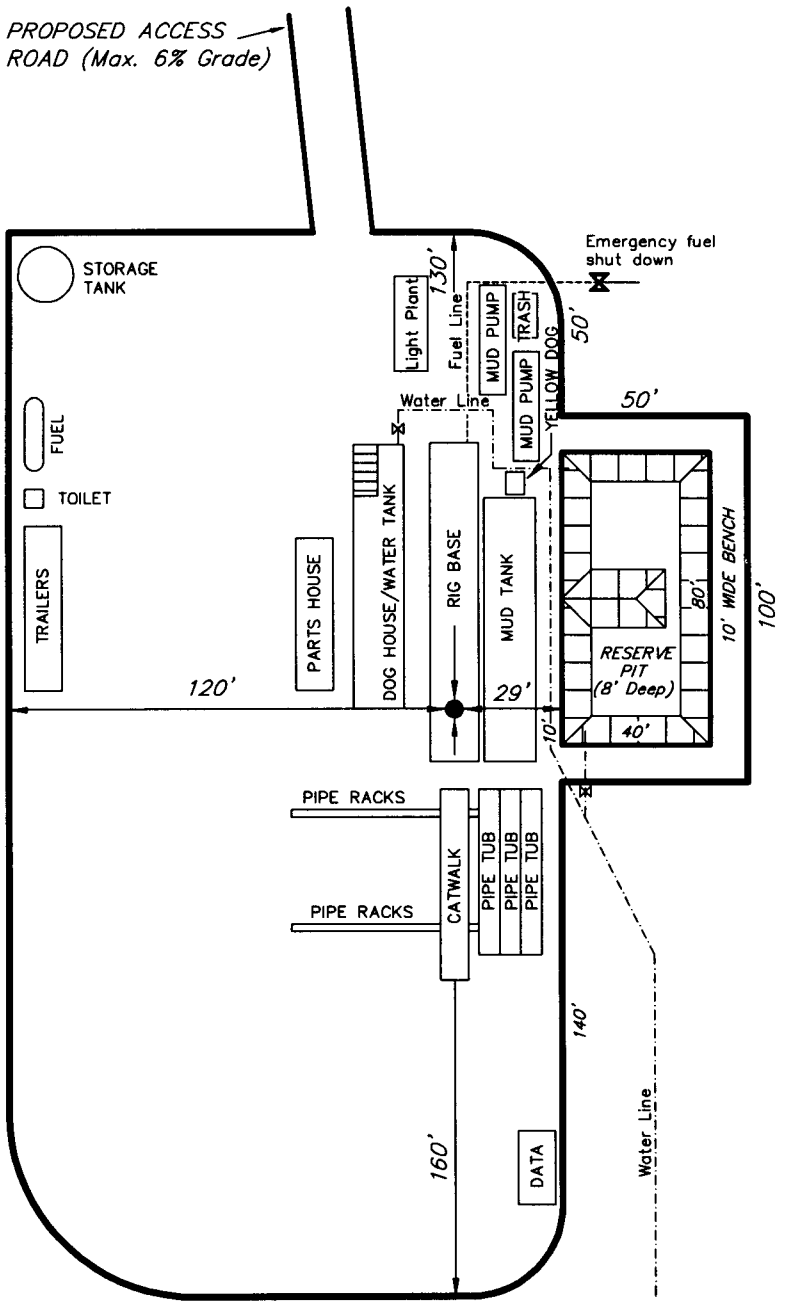
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,760	2,760	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,400	2,760	990	640

SURVEYED BY: C.M.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: M.W.	DATE: 3-26-06	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

NEWFIELD PRODUCTION COMPANY

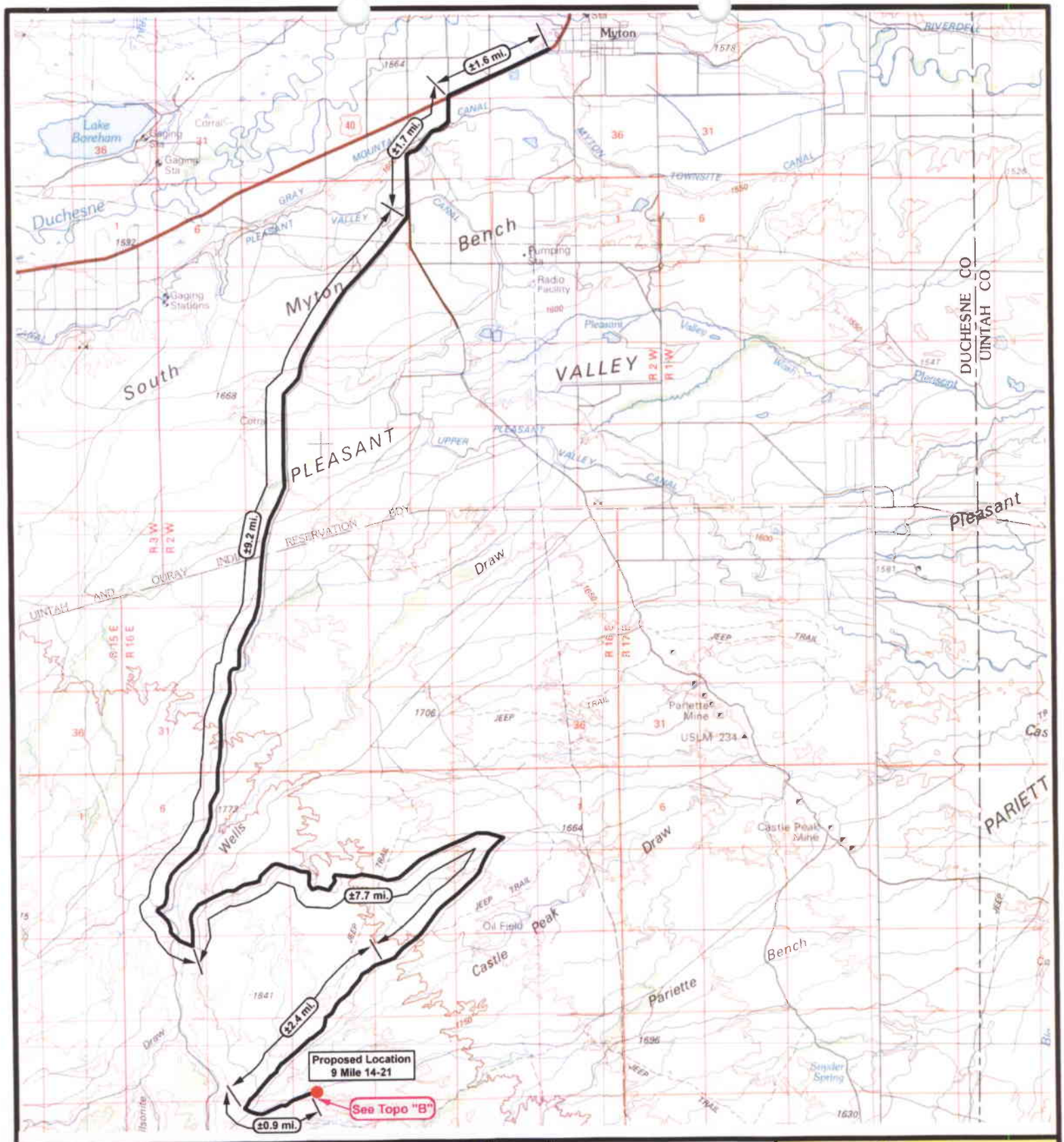
TYPICAL RIG LAYOUT

9 MILE 14-21-9-16



SURVEYED BY: C.M.		SCALE:	1" = 50'
DRAWN BY: M.W.		DATE:	3-26-06

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



NEWFIELD
Exploration Company

9 Mile 14-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.

N

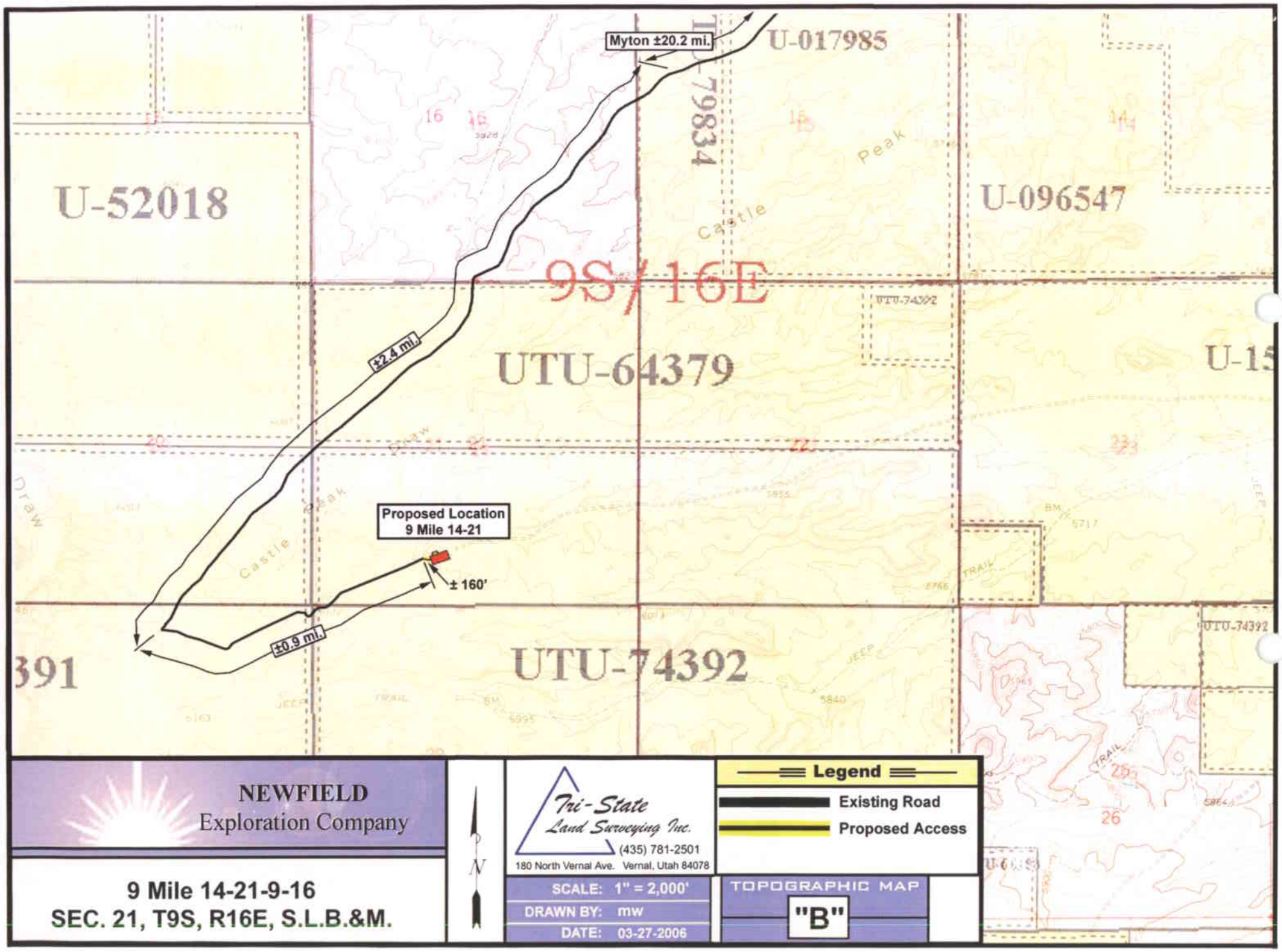
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 03-27-2006

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

9 Mile 14-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.

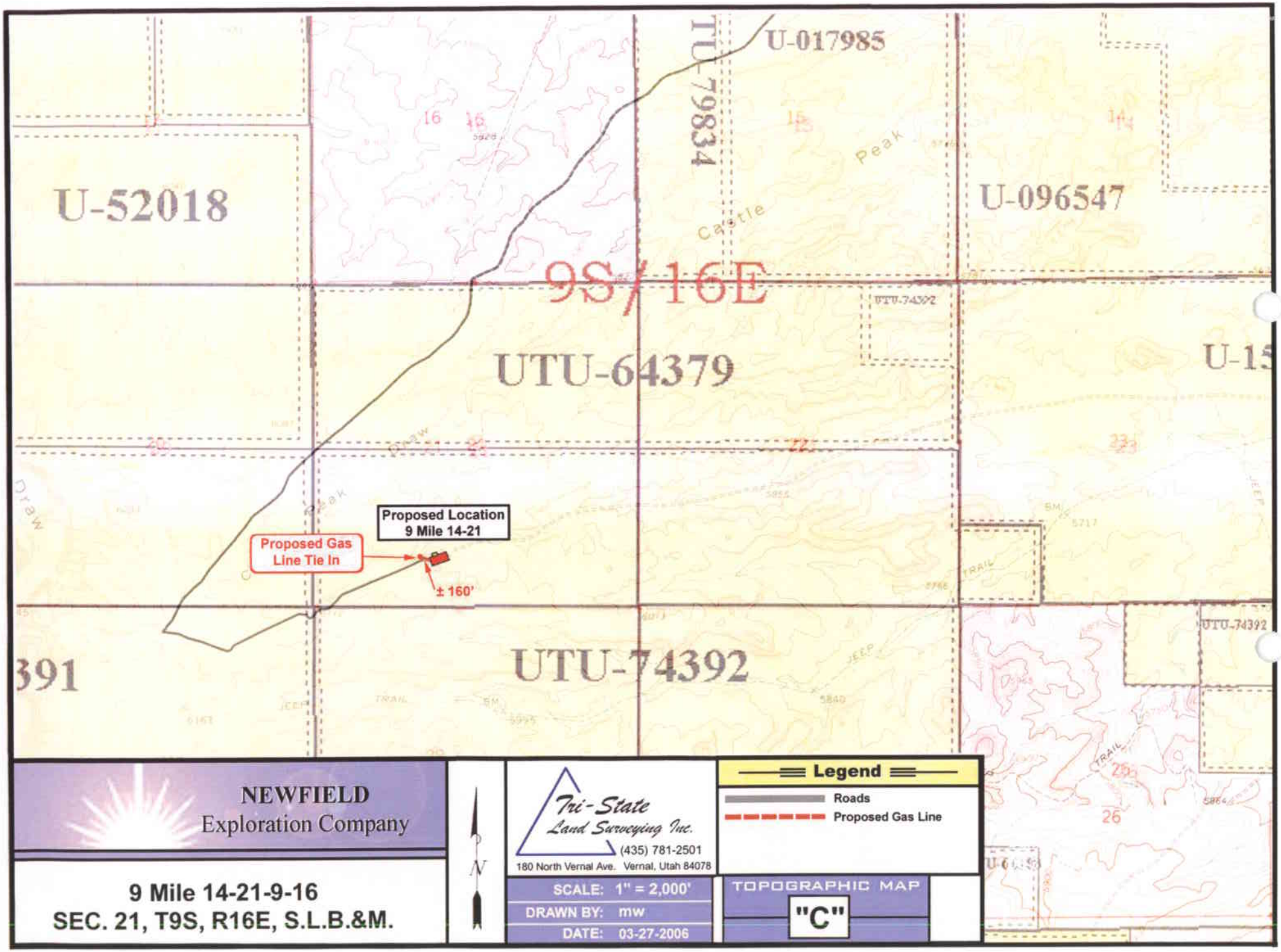
N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 03-27-2006

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"



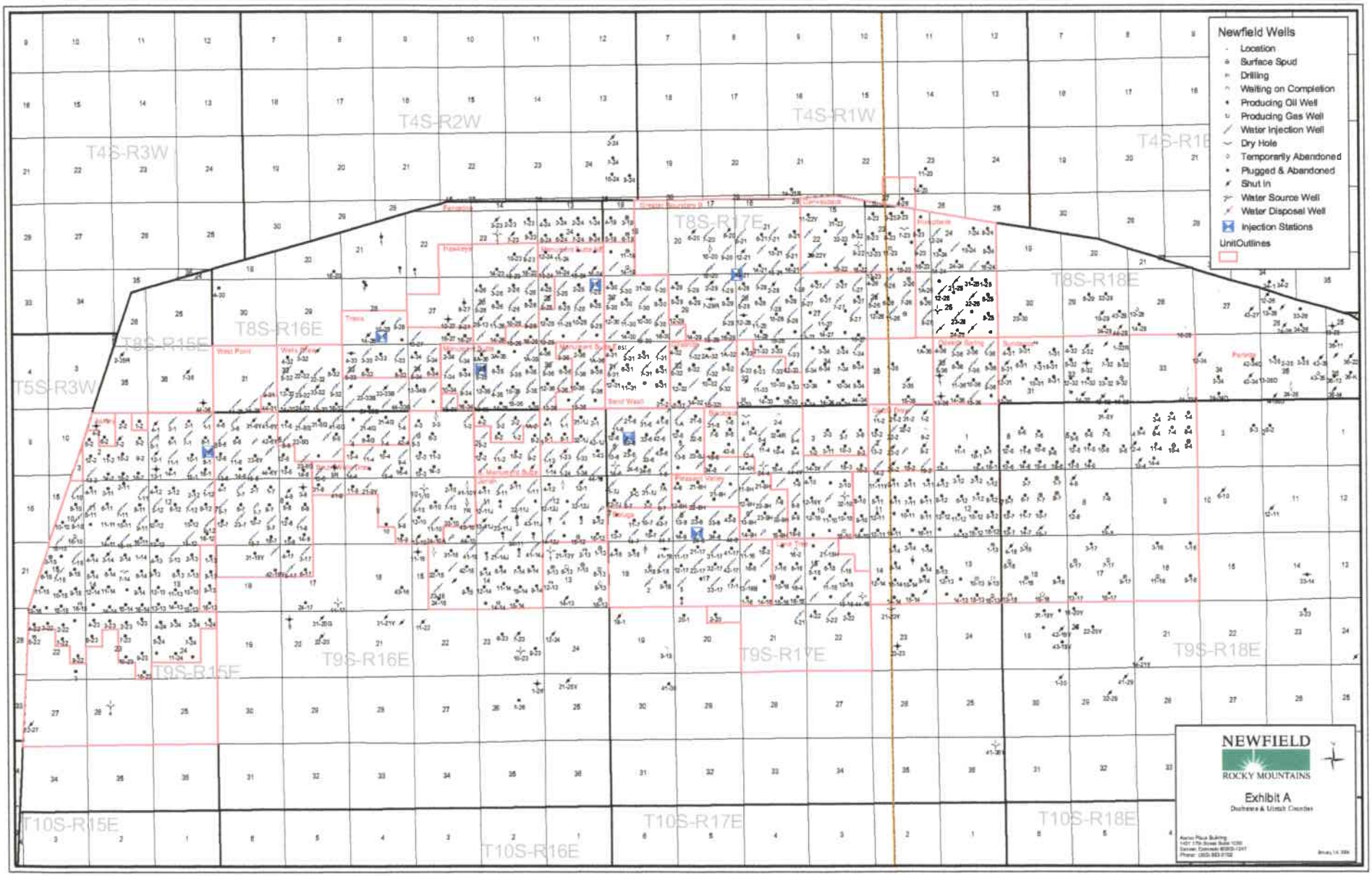
NEWFIELD
Exploration Company

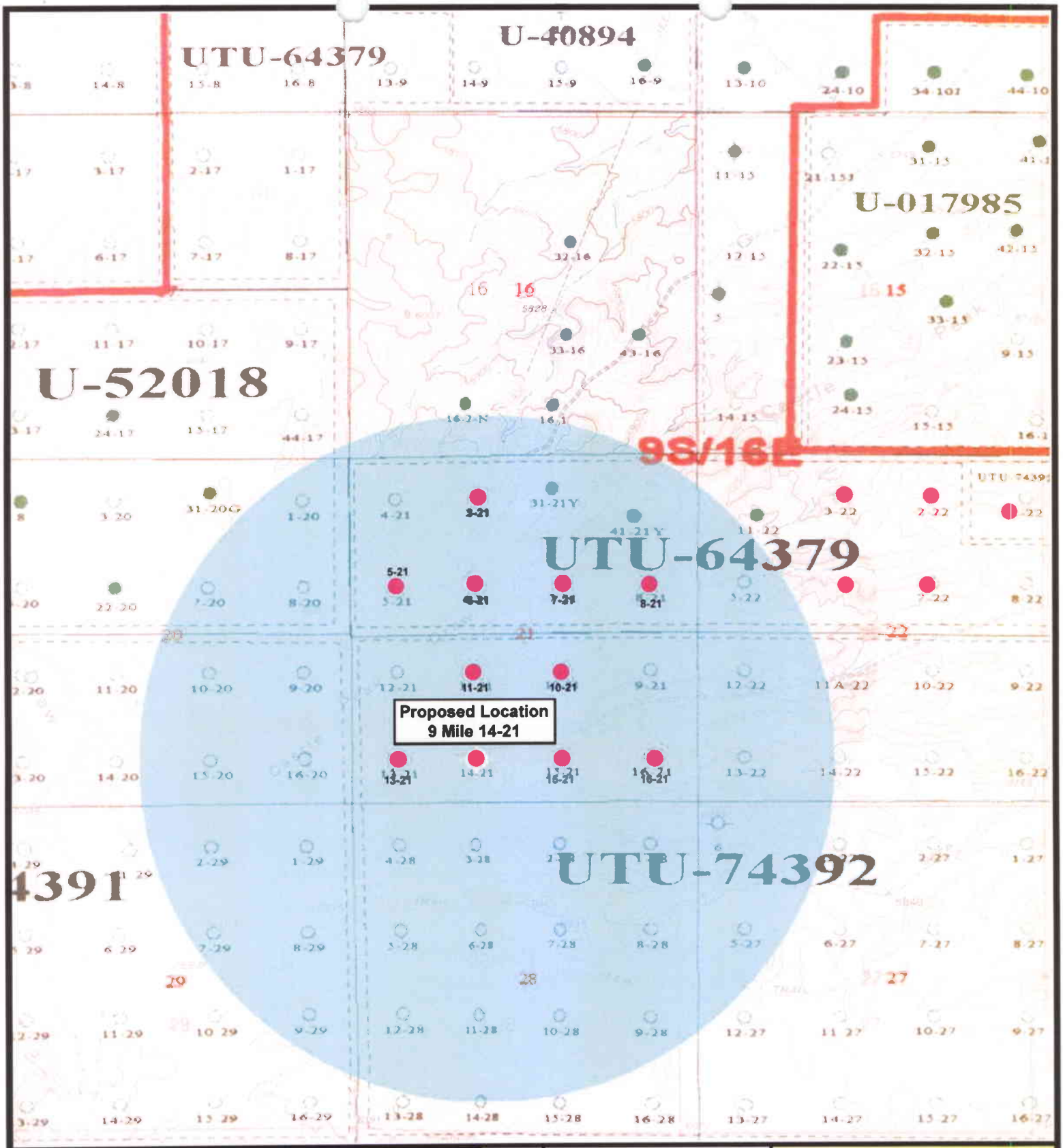
9 Mile 14-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 03-27-2006

TOPOGRAPHIC MAP
"C"


Newfield Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection Stations
UnitOutlines
T4S-R2W
T4S-R1W
T4S-R3W
T8S-R17E
T8S-R16E
T8S-R15E
T8S-R18E
T5S-R3W
T9S-R16E
T9S-R17E
T9S-R15E
T9S-R18E
T10S-R15E
T10S-R17E
T10S-R16E
T10S-R18E
NEWFIELD
ROCKY MOUNTAINS
Exhibit A
Duchesne & Uintah Counties



NEWFIELD
Exploration Company

9 Mile 14-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 03-27-2006

Legend
- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

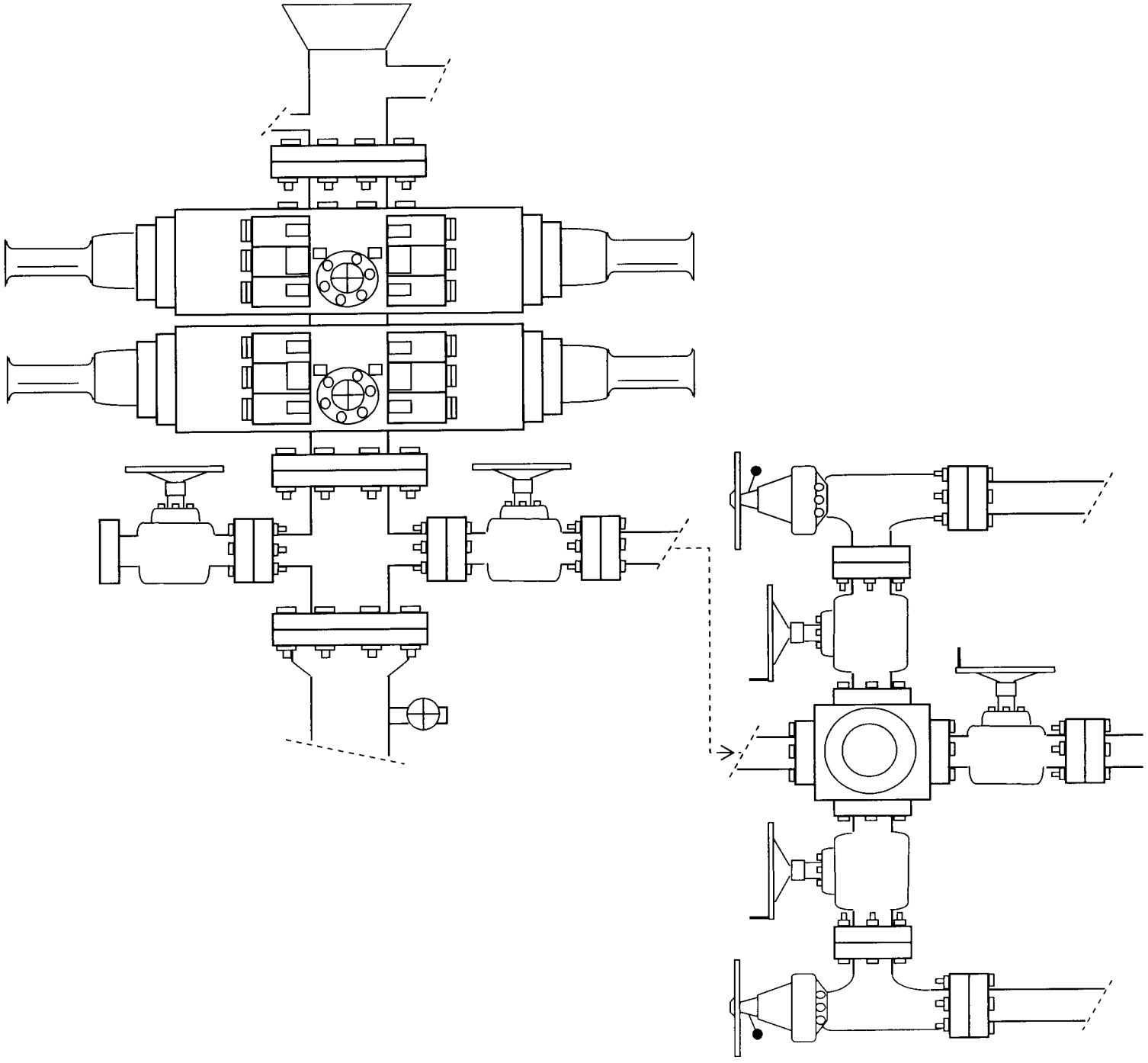


EXHIBIT C

Exhibit "D"
Page 1 of 2

CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22, DUCHESNE COUNTY, UTAH

By:

Katie Simon

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. 05-240

July 25, 2005

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

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0709b

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: 04/07/2006

API NO. ASSIGNED: 43-013-33141

WELL NAME: FEDERAL 14-21-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SESW 21 090S 160E

SURFACE: 0797 FSL 1993 FWL

BOTTOM: 0797 FSL 1993 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01130 LONGITUDE: -110.1260

UTM SURF EASTINGS: 574599 NORTHINGS: 4429167

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. MUNICIPAL)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N In Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: ___

✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

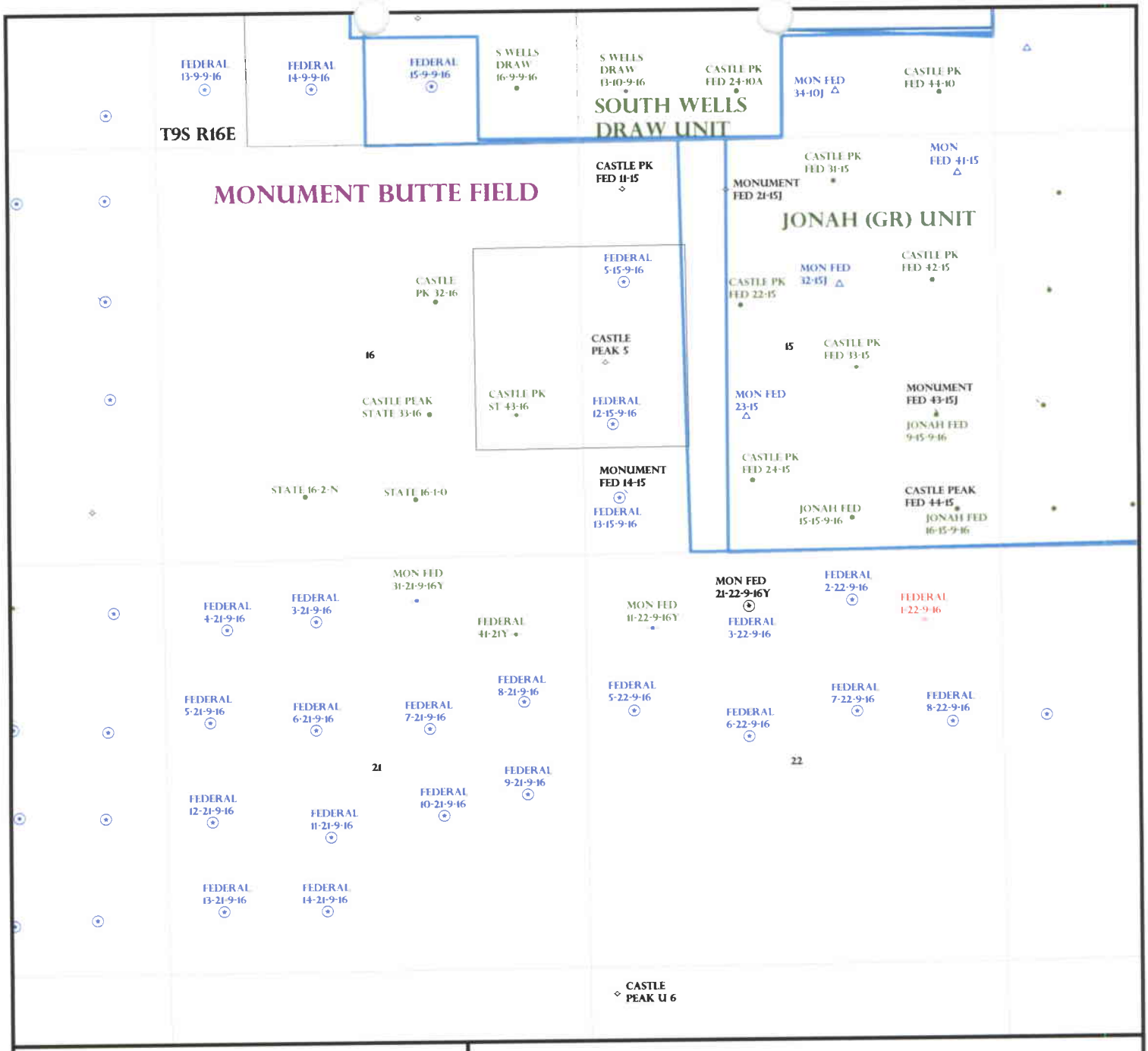
___ R649-3-3. Exception

___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___

___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval
2. Spacing Stip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21 T. 9S R. 16E

FIELD: MONUMENT FIELD (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA WHITNEY

DATE: 13-APRIL-2006

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

April 17, 2006

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

Re: Federal 14-21-9-16 Well, 797' FSL, 1993' FWL, SE SW, Sec. 21, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33141.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

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

Operator: Newfield Production Company

Well Name & Number Federal 14-21-9-16

API Number: 43-013-33141

Lease: UTU-74392

Location: SE SW **Sec.** 21 **T.** 9 South **R.** 16 East

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.

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-74392

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 14-21-9-16

9. API Well No.
43-013-33141

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
DUCHESNE COUNTY, UT.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
797 FSL 1993 FWL SE/SW Section 21, T9S R16E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/17/06 (expiration 4/17/07).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04-09-07
By:

4·10·07
12M

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APR 09 2007
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 4/4/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33141
Well Name: Federal 14-21-9-16
Location: SE/SW Section 21,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 4/17/2006

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☐No☐

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

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

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

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

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

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

Signature

4/4/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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APR 09 2007
DIV. OF OIL, GAS & MINING

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APR 0 7 2006

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-74392

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [X] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Federal 14-21-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-33141

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SE/SW 797' FSL 1993' FWL

At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area: SE/SW Sec. 21, T9S R16E

14. Distance in miles and direction from nearest town or post office*: Approximatley 23.5 miles southwest of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1843' f/lse, NA f/unit

16. No. of Acres in lease: 2080.00

17. Spacing Unit dedicated to this well: 40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1004'

19. Proposed Depth: 6020'

20. BLM/BIA Bond No. on file: UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 6052' GL

22. Approximate date work will start*: 2nd Quarter 2006

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 4/6/06

Title: Regulatory Specialist

Approved by *(Signature)* — Name *(Printed/Typed)*: Jerry Kenczka — Date: 5-11-2007

Title: Assistant Field Manager Lands & Mineral Resources — Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

RECEIVED

MAY 2 4 2007

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

No NOS

07BM4719A

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

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**SESW, Sec. 21, T9S, R16E**
Well No:	**Federal 14-21-9-16**	**Lease No:**	**UTU-74392**
API No:	**43-013-33141**	**Agreement:**	**N/A**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	
		Fax: (435) 781-4410	

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 two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STIPULATIONS AND NOTICES:

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.

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

- Timing Limitations: (During construction and drilling only).
  From **May 15 through July 15** – in order to protect Mountain Plover habitat.

CONDITIONS OF APPROVAL:

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.

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

- Right of way (ROW) will not be required

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.

- 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.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- 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.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- 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.
- The following seed mix (PLS formula) will be used for interim reclamation:

Western Wheatgrass (*Pascopyrum smithii*)	6 lbs/acre
Galleta Grass (*Hilaria jamesii*)	6 lbs/acre

  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.

- The operator will be responsible for treatment and control of invasive and noxious weeds.
- 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 recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topography, topsoil shall be respread, 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.
- 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.

- 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.

- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.

- 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.

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- A variance is granted for O.O. #2 III. E. 1.
  a. The blooie line shall be straight or have targeted tees for bends in the line.
  b. Not requiring an automatic igniter or continuous pilot on the blooie line.

- Run a cement bond log from TD to the base of the surface casing shoe.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** 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.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to 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.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- 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.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement 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.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- 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.

- 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.

- 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:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- 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.

- 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.

- 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.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal 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. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- 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.

- 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 and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- 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.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **Newfield Production Company**

Well Name: **Federal 14-21-9-16**

API No: **43-013-33141** Lease Type: **Federal**

Section **21** Township **09S** Range **16E** County **Duchesne**

Drilling Contractor **Ross Rig** Rig # **24**

SPUDDED:

Date **6-22-07**

Time **12:00 PM**

How **Dry**

Drilling will Commence:

Reported by **Johnny Davis**

Telephone # **435-823-6013**

Date **6-25-07** **Signed** **RM**

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12277 ✓	4301333246	PLEASANT VALLEY FED F-9-9-17	SWNW	9	9S	17E	DUCHESNE	6/24/2007	7/23/07

WELL 1 COMMENTS: GRRV BHL = SWNW

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	16239	4301333141	FEDERAL 14-21-9-16	SESE	21	9S	16E	DUCHESNE	6/22/2007	7/23/07

GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12277 ✓	4301333248	PLEASANT VALLEY FED N-9-9-17	NESW	9	9S	17E	DUCHESNE	6/25/2007	7/23/07

GRRV BHL = NESW

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999		4304737475	GUSHER FEDERAL 16-14-6-20	SESE	14	6S	20E	UINTAH	6/25/2007	

Duplicate - processed 1/31/07

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	16240	4301332922	FEDERAL 16-18-9-16	SESE	18	9S	16E	DUCHESNE	6/27/2007	7/23/07

WELL 5 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	11880 ✓	4301332810	BELUGA FED 5-18-9-17	SWNW	18	9S	17E	DUCHESNE	6/28/2007	7/23/07

WELL 5 COMMENTS: GRRV

ACTION CODES (See instructions on back of form)
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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

RECEIVED
JUL 09 2007
DIV. OF OIL, GAS & MINING

Signature: Jentri Park
Production Clerk
July 9, 2007
Date

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 14-21-9-16

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301333141

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
797 FSL 1993 FWL

SESW Section 21 T9S R16E

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to	☐ Plug Back	☒ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. 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
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature
Mandie Crozier

Date
07/30/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
AUG 02 2007
DIV. OF OIL, GAS & MINING

FORM 3160-4
(July 1992)

SUBMIT IN DUPLICATE* (See other instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.: UTU-74392

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

1a. TYPE OF WORK: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

7. UNIT AGREEMENT NAME: Federal

1b. TYPE OF WELL: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

8. FARM OR LEASE NAME, WELL NO.: Federal 14-21-9-16

2. NAME OF OPERATOR: Newfield Exploration Company

9. WELL NO.: 43-013-33141

3. ADDRESS AND TELEPHONE NO.: 1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 797' FSL & 1993' FWL (SE/SW) Sec. 21, T9S, R16E
At top prod. Interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 21, T9S, R16E

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-33141	04/17/07	Duchesne	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
06/22/07	07/02/07	07/27/07	6052' GL 6064' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6020'	5974'		------->	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 4522'-5916'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6020'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5905'	TA @ 5738'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(BSC) 5910'-5916'	.49"	4/24
(LODC) 5098'-5114'	.43"	4/64
(LODC) 5010'-5018'	.43"	4/32
(A3) 4929'-4936'	.43"	4/28
D3,2 &1) 4604'-12', 4578'-85', 4544'-4550'	.43"	4/108

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5910'-5916'	Frac w/ 15,064# 20/40 sand in 286 bbls fluid
5098'-5114'	Frac w/ 109,920# 20/40 sand in 810 bbls fluid
5010'-5018'	Frac w/ 15,148# 20/40 sand in 263 bbls fluid
4929'-4936'	No frac
4522'-4612'	Frac w/ 122,380# 20/40 sand in 848 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
07/27/07	2-1/2" x 1-1/2" x 20' x 20' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	83	0	36	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
		----->				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold & Used for Fuel

TEST WITNESSED BY

RECEIVED
AUG 2 0 2007
DIV. OF OIL, GAS & MINING

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED Jentri Park TITLE Production Clerk DATE 8/16/2007

JP

*(See Instructions and Spaces for Additional Data on Reverse Side)

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Well Name **Federal 14-21-9-16**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	**3512'**	
Garden Gulch 1	**3727'**	
Garden Gulch 2	**3838'**	
Point 3 Mkr	**4078'**	
X Mkr	**4346'**	
Y-Mkr	**4380'**	
Douglas Creek Mkr	**4491'**	
BiCarbonate Mkr	**4724'**	
B Limestone Mkr	**4816'**	
Castle Peak	**5372'**	
Basal Carbonate	**5816'**	
Wasatch	**5944'**	
Total Depth (LOGGERS	**6019'**	

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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER	8. WELL NAME and NUMBER: FEDERAL 14-21-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301333141
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 797 FSL 1993 FWL	COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 21, T9S, R16E	STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/15/2007	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Weekly Status Report
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07/29/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE [signature] DATE 08/15/2007

(This space for State use only)

RECEIVED
AUG 2 0 2007
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 14-21-9-16

5/1/2007 To 9/30/2007

7/13/2007 Day: 1 **Completion**

Rigless on 7/12/2007 - 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 @ 5951' & cement top @ 332'. Perforate stage #1. BSC sds @ 5910-16' 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. 143 BWTR. SIFN.

7/24/2007 Day: 2 **Completion**

Rigless on 7/23/2007 - RU BJ Services. 0 psi on well. Frac BSC sds w/ 15,064#'s of 20/40 sand in 286 bbls of Lightning 17 fluid. Broke @ 4244 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1992 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2266 psi. Leave pressure on well. 429 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 16' perf gun. Set plug @ 5210'. Perforate LODC sds @ 5098-5114' w/ 3-1/8" Slick Guns w/ 4 spf for total of 64 shots. RU BJ Services. 1453 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ Service. 1270 psi on well. Frac LODC sds w/ 109,920#'s of 20/40 sand in 810 bbls of Lightning 17 fluid. Broke @ 1717 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2741 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 3114 psi. Leave pressure on well. 1239 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 5070'. Perforate LODC sds @ 5010-5018' w/ 3-1/8" Slick Guns w/ 4 spf for total of 32 shots. RU BJ Services. 2260 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ Service. 1968 psi on well. Frac LODC sds w/ 15,148#'s of 20/40 sand in 263 bbls of Lightning 17 fluid. Broke @ 3669 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3213 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 3464 psi. Leave pressure on well. 1502 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 7' perf gun. Set plug @ 4970'. Perforate A3 sds @ 4929-4936' w/ 3-1/8" Slick Guns w/ 4 spf for total of 28 shots. RU BJ Services. 2042 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. Tagged sand @ 4900' (29' of sand over perfs). RU BJ Service. Pressured up to 4200 psi, Would not breakdown. Flow back well on 12/64 choke @ 1 BPM. Flowed for 3 1/2 hrs & died. Rec. est 190 BTF. SIWFN w/ 1312 BWTR.

7/25/2007 Day: 3 **Completion**

Rigless on 7/24/2007 - RU BJ Services. 645 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. Tagged sand @ 4758' (171' of sand over perfs). Decision was made to skip A3 sds. Dump acid @ 4612'. Leave pressure on well. 1312 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 4710'. Perforate D3 sds @ 4604- 4612, D2 sds @ 4578- 4585', D1 sds @ 4544- 4550', 4522- 4528' w/ 3-1/8" Slick Guns w/ 4 spf for total of 108 shots (2 runs). RU BJ Services. 149 psi

on well. Frac D1, D2 & D3 sds w/ 122,380#'s of 20/40 sand in 848 bbls of Lightning 17 fluid. Broke @ 2382 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1681 psi @ ave rate of 24.9 BPM. ISIP 1905 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. FLowed for 3 1/2 hrs & died. Rec 195 BTF. SIWFN w/ 1965 BWTR.

7/26/2007 Day: 4 **Completion**

NC #1 on 7/25/2007 - 11:30AM MIRU NC#1, OWU, N/D 10,000 BOP & Frac Flnge, N/U 3,000 Flnge & 5,000 BOP, P/U & RIH W/-4 3/4 Bit, Bit Sub, 147 Jts Tbg To Fill @ 4566', R/U Nabors Pwr Swvl, R/U R/pmp, C/Out To Plg @ 4710', Drill Up Plg, Curc Well Clean, R/D Swvl, POOH W/-2 Jts Tbg EOB @ 4673', SWI, 7:00PM C/SDFN.

7/27/2007 Day: 5 **Completion**

NC #1 on 7/26/2007 - 6:30AM OWU, RIH W/-Tbg To Plg @ 4970', R/U Nabors Pwr Swvl, Drill Up Plg, Swvl I/Hle To Fill @ 5060', C/Out To Plg @ 5070', Drill Up Plg, Swvl I/Hle To Fill @ 5195', C/Out To Plg @ 5210', Drill Up Plg, Swvl I/Hle To Fill @ 5936', Drill & C/Out To PBTD @ 5974', Curc Well Clean, R/D Swvl, POOH W/-5 Jts Tbg, EOB @ 5824', R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs, Recvred 168 Bbls Wtr, Lite Trce Oil, Lite Trce Sand, FFL @ 1200', RIH W/-5 Jts Tbg To Fill @ 5971', C/Out To PBTD @ 5974', Curc Well Clean, POOH W/-31 Jts Tbg, SWI, EOB @ 5015', 6:30PM C/SDFN, Lost 87 Bbls Wtr On Drill Out To PBTD, Recvred 168 Bbls Wtr Swabbing, Lost Bbls Wtr On Curc Out @ PBTD, Total LossFor Day = 8 Bbls.

7/30/2007 Day: 6 **Completion**

NC #1 on 7/29/2007 - 6:30AM OWU, POOH W/-161 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below, 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 1/2x20x20 1/2' RHAC, & Rod String Shown Below. Seat pmp, R/U Unit, R/U R/pmp, Fill Tbg W/- 1 Bbl Wtr, Stroke Unit & Tbg To 800 Psi, Good Test.Rack Out Eq, R/D Rig. 6:00PM C/SDFN, POP @ 4:30PM ,120" SL, 5 SPM, (Final Report).

Pertinent Files: Go to File List

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: FEDERAL 14-21-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013331410000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0797 FSL 1993 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 10/16/2013	✓ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ 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
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 10/14/2013. On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test.

Accepted by the Utah Division of Oil, Gas and Mining

Date: October 24, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 10/21/2013

RECEIVED: Oct. 21, 2013

Mechanical Integrity Test
Casing or Annulus Pressure Test

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

Witness: _____ **Date** 10/16/13 **Time** 12:15 am (pm)

Test Conducted by: EVERETT UNAUH

Others Present: CATHRYN GREENE

Well: FEDERAL 14-21-9-16 **Field:** Monument Butte

Well Location: SESW Sec 21 T9S R16E Duchesne County, UT **API No:** 43-013-33141

Time	Casing Pressure	
0 min	1410	psig
5	1410	psig
10	1410	psig
15	1410	psig
20	1410	psig
25	1410	psig
30 min	1410	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

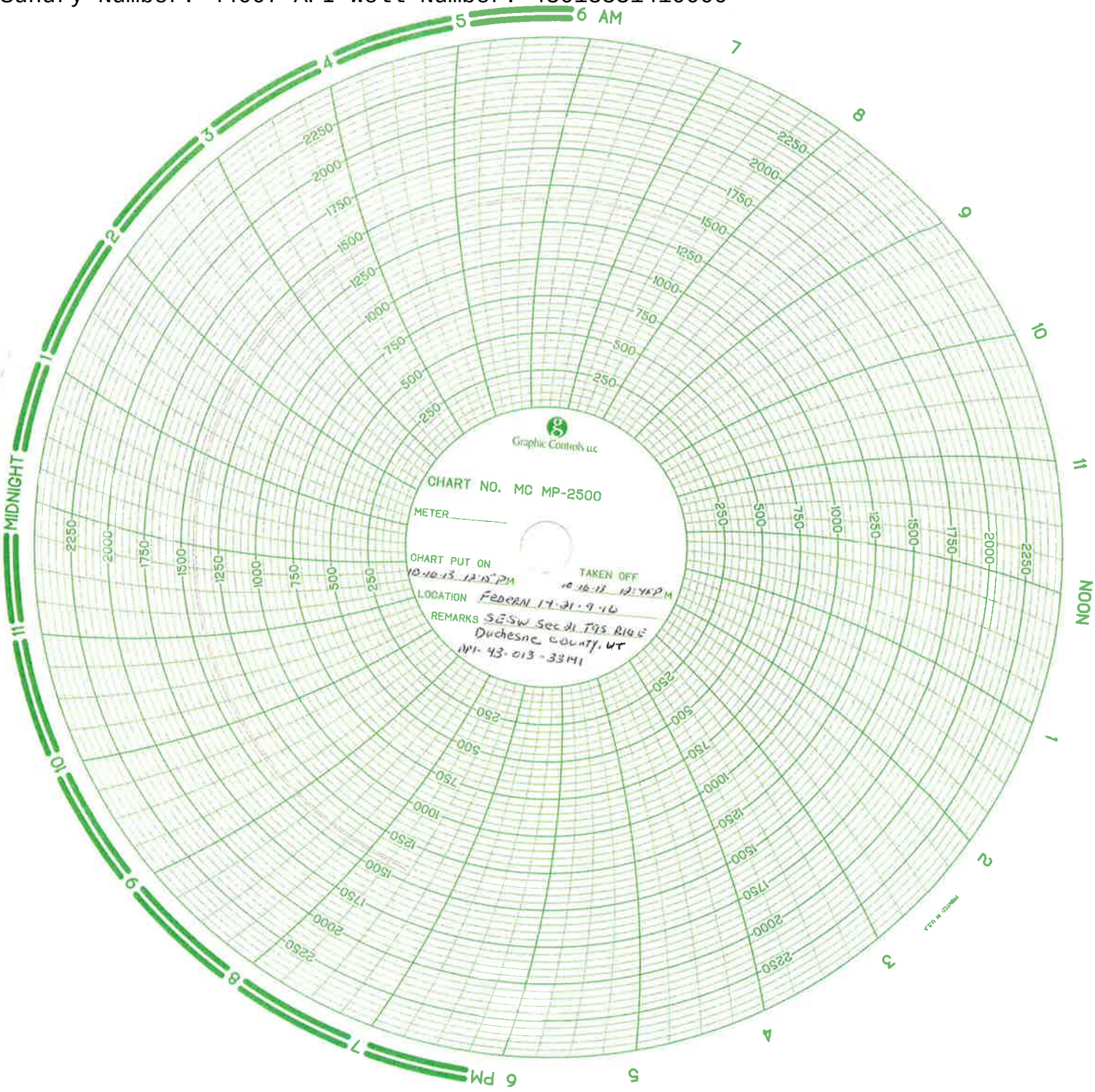
Tubing pressure: 100 psig

Result: (Pass) Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Unah

Sundry Number: 44007 API Well Number: 43013331410000



Daily Activity Report

Format For Sundry

FEDERAL 14-21-9-16

8/1/2013 To 12/30/2013

10/16/2013 Day: 2 **Conversion**

WES# 2 on 10/16/2013 - Set packer, pressure test casing. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TRAVEL TO LOCATION 9:00AM TO 10:00AM RU RIG, FLUSHED CSG W/ 60 BBLS@250DED, RD PU 10:00AM TO 11:00AM UNSEATED PUMP LD 2-RODS FLUSHED TBG W/ 40 BBLS @250DEG SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 11:00AM TO 2:00PM LD ROD STRING ON TRAILER 2:00PM TO 3:00PM XO TO TBG TOOLS, ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, TOOH 20 JTS BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TRAVEL TO LOCATION 9:00AM TO 10:00AM RU RIG, FLUSHED CSG W/ 60 BBLS@250DED, RD PU 10:00AM TO 11:00AM UNSEATED PUMP LD 2-RODS FLUSHED TBG W/ 40 BBLS @250DEG SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 11:00AM TO 2:00PM LD ROD STRING ON TRAILER 2:00PM TO 3:00PM XO TO TBG TOOLS, ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, TOOH 20 JTS BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD FOR 30 MIN 100% GOOD TEST RIH W/ SL RETRIEVED SV 4:00PM TO 5:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, REVERSE CIRCULATED PKR FLUID, SET PKR CE@4476.90' 5:00PM TO 6:00PM PT CSG TO 1400PSI HELD 100% FOR 30MIN GOOD TEST SDFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD FOR 30 MIN 100% GOOD TEST RIH W/ SL RETRIEVED SV 4:00PM TO 5:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, REVERSE CIRCULATED PKR FLUID, SET PKR CE@4476.90' 5:00PM TO 6:00PM PT CSG TO 1400PSI HELD 100% FOR 30MIN GOOD TEST SDFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TRAVEL TO LOCATION 9:00AM TO 10:00AM RU RIG, FLUSHED CSG W/ 60 BBLS@250DED, RD PU 10:00AM TO 11:00AM UNSEATED PUMP LD 2-RODS FLUSHED TBG W/ 40 BBLS @250DEG SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 11:00AM TO 2:00PM LD ROD STRING ON TRAILER 2:00PM TO 3:00PM XO TO TBG TOOLS, ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, TOOH 20 JTS BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD FOR 30 MIN 100% GOOD TEST RIH W/ SL RETRIEVED SV 4:00PM TO 5:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, REVERSE CIRCULATED PKR FLUID, SET PKR CE@4476.90' 5:00PM TO 6:00PM PT CSG TO 1400PSI HELD 100% FOR 30MIN GOOD TEST SDFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K

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Daily Cost: $0
Cumulative Cost: $25,446

10/17/2013 Day: 3 **Conversion**

Rigless on 10/17/2013 - Conduct initial MIT - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. **Finalized**
Daily Cost: $0
Cumulative Cost: $57,658

Pertinent Files: Go to File List

Federal 14-21-9-16

Spud Date: 6-22-07

Put on Production: 7-27-07

GL: 6052' KB: 6064'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jnts (311.59')

DEPTH LANDED: 323.44' 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: 138 jts. (6006.31')

DEPTH LANDED: 6019.56' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TO SURFACE: 332'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 143 jts. (4460.6')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4472.6' KB

ON/OFF TOOL AT: 4473.7'

ARROW #1 PACKER CE AT: 4478.9'

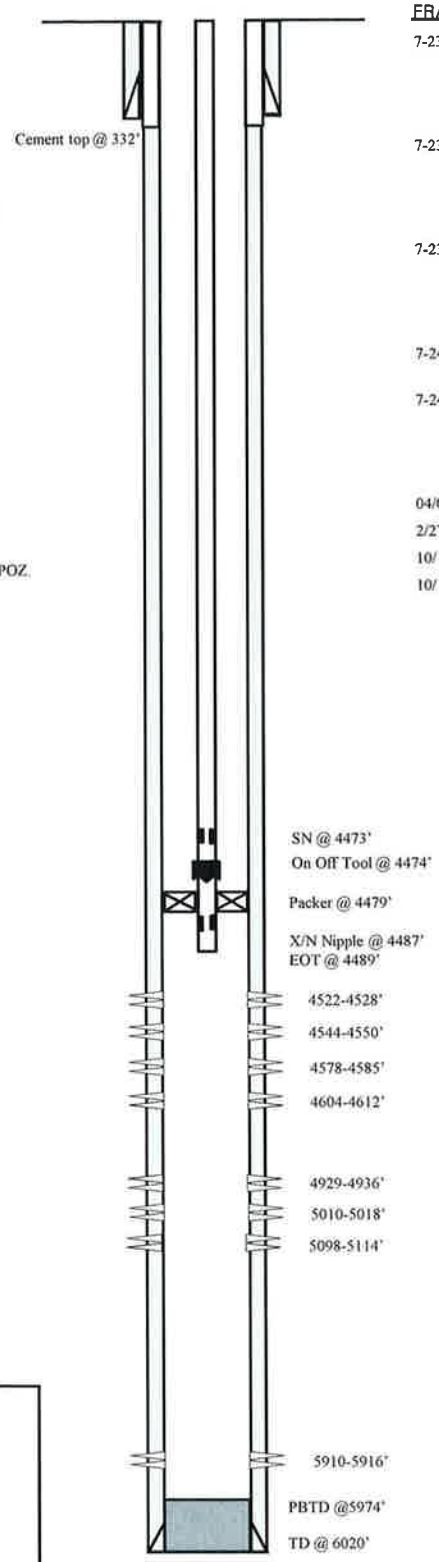
SWEDGE AT: 4482.5'

TBG PUP 2-3/8 J-55 AT: 4483'

X/N NIPPLE AT: 4487.1'

TOTAL STRING LENGTH: EOT @ 4488.94'

Injection Wellbore Diagram



FRAC JOB

7-23-07	5910-5916'	**Frac BSC sands as follows:** 15064# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal.
7-23-07	5098-5114'	**Frac LODC sands as follows:** 109920# 20/40 sand in 810 bbls Lightning 17 frac fluid. Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.
7-23-07	5010-5018'	**Frac LODC sands as follows:** 15148# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.
7-24-07		**A3 Ssnds would not break down** – decision made to skip A3 sds.
7-24-07	4522-4612'	**Frac D1, D1, D2, D3 sands as follows:** 122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal.
04/04/08		**Pump Change.** Rod & Tubing detail updated
2/27/12		**Parted Rods.** Updated rod & tubing detail.
10/14/13		**Convert to Injection Well**
10/16/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28 holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

NEWFIELD

Federal 14-21-9-16

797' FSL & 1993' FWL

SE/SW Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33141; Lease #UTU-74392

LCN 10/18/13

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: FEDERAL 14-21-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013331410000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0797 FSL 1993 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 11/30/2015	✓ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
☐	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ 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
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 12:00 PM on 11/30/2015.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 01, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 12/1/2015

RECEIVED: Dec. 01, 2015

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-408

Operator: Newfield Production Company

Well: Federal 14-21-9-16

Location: Section 21, Township 9 South, Range 16 East

County: Duchesne

API No.: 43-013-33141

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 23, 2013.
2. Maximum Allowable Injection Pressure: 1,876 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,837' – 5,944')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: Clinton L Dworshak for John Rogers
Associate Director

11/14/13
Date

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File
N:\O&G Reviewed Docs\ChronFile\UIC

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: FEDERAL 14-21-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013331410000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0797 FSL 1993 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 10/16/2013	✓ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
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	☐ 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
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 10/14/2013. On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test.

Accepted by the Utah Division of Oil, Gas and Mining

Date: October 24, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 10/21/2013

RECEIVED: Oct. 21, 2013

Mechanical Integrity Test
Casing or Annulus Pressure Test

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

Witness: _____ **Date** 10/16/13 **Time** 12:15 am (pm)
Test Conducted by: EVERETT UNAUH
Others Present: CATHRYN GREENE

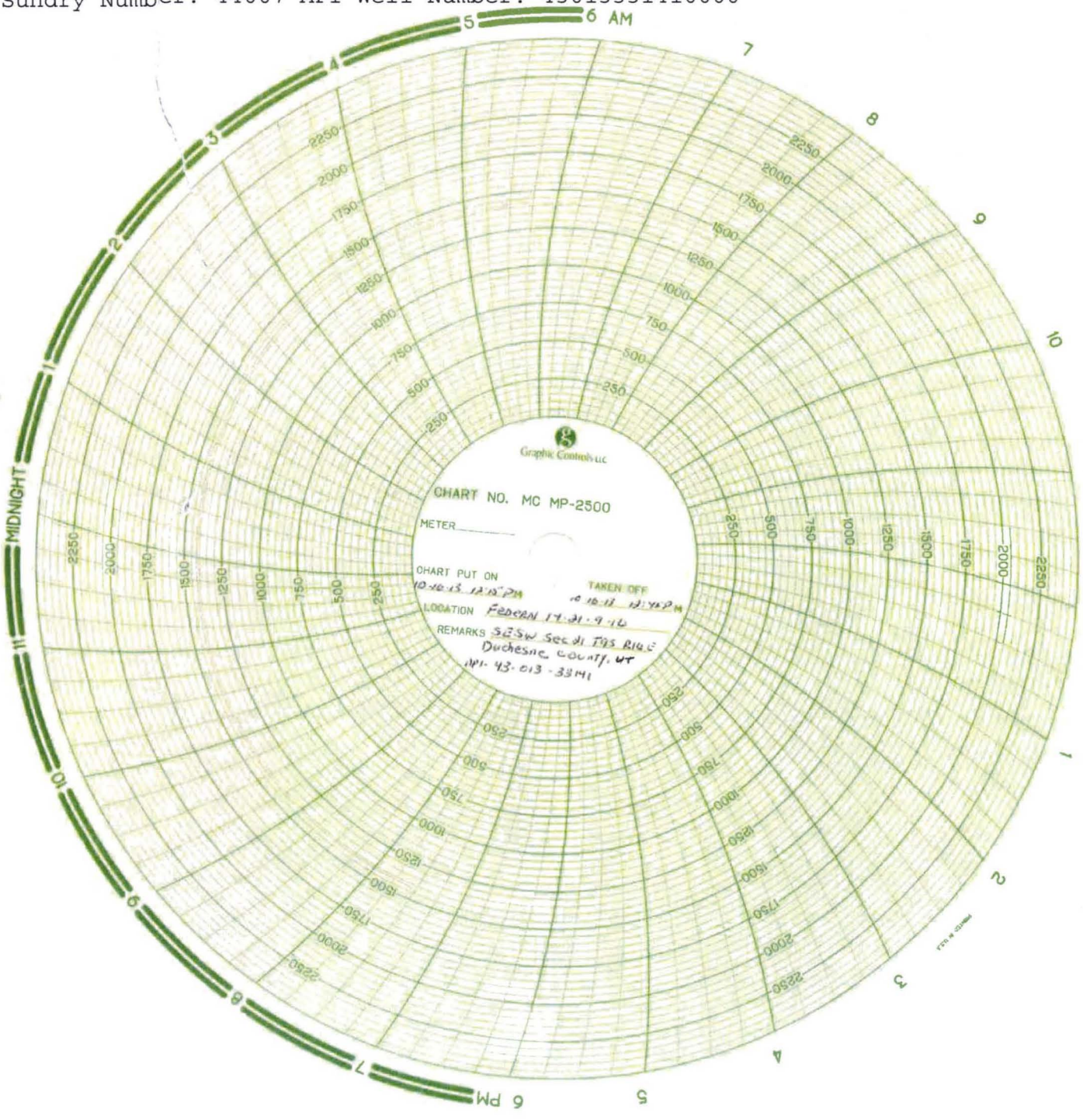
Well: FEDERAL 14-21-9-16 **Field:** Monument Butte
Well Location: SESW Sec 21 T9S R16E Duchesne County, UT **API No:** 43-013-33141

Time	Casing Pressure	
0 min	1410	psig
5	1410	psig
10	1410	psig
15	1410	psig
20	1410	psig
25	1410	psig
30 min	1410	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 100 psig

Result: (Pass) Fail

Signature of Witness: _____
Signature of Person Conducting Test: Everett Unauh


6 AM
NOON
6 PM
MIDNIGHT
Graphic Controls LLC
CHART NO. MC MP-2500
METER
CHART PUT ON
10-16-13 12:15 PM
TAKEN OFF
10-16-13 12:45 PM
LOCATION FEDERAL 17-31-9-16
REMARKS SESW Sec 31 T9S R16E
Duchesne County, UT
API- 43-013-33141

Daily Activity Report

Format For Sundry

FEDERAL 14-21-9-16

8/1/2013 To 12/30/2013

10/16/2013 Day: 2 **Conversion**

WES# 2 on 10/16/2013 - Set packer, pressure test casing. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TRAVEL TO LOCATION 9:00AM TO 10:00AM RU RIG, FLUSHED CSG W/ 60 BBLS@250DED, RD PU 10:00AM TO 11:00AM UNSEATED PUMP LD 2-RODS FLUSHED TBG W/ 40 BBLS @250DEG SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 11:00AM TO 2:00PM LD ROD STRING ON TRAILER 2:00PM TO 3:00PM XO TO TBG TOOLS, ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, TOOH 20 JTS BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TRAVEL TO LOCATION 9:00AM TO 10:00AM RU RIG, FLUSHED CSG W/ 60 BBLS@250DED, RD PU 10:00AM TO 11:00AM UNSEATED PUMP LD 2-RODS FLUSHED TBG W/ 40 BBLS @250DEG SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 11:00AM TO 2:00PM LD ROD STRING ON TRAILER 2:00PM TO 3:00PM XO TO TBG TOOLS, ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, TOOH 20 JTS BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD FOR 30 MIN 100% GOOD TEST RIH W/ SL RETRIEVED SV 4:00PM TO 5:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, REVERSE CIRCULATED PKR FLUID, SET PKR CE@4476.90' 5:00PM TO 6:00PM PT CSG TO 1400PSI HELD 100% FOR 30MIN GOOD TEST SDFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD FOR 30 MIN 100% GOOD TEST RIH W/ SL RETRIEVED SV 4:00PM TO 5:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, REVERSE CIRCULATED PKR FLUID, SET PKR CE@4476.90' 5:00PM TO 6:00PM PT CSG TO 1400PSI HELD 100% FOR 30MIN GOOD TEST SDFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TRAVEL TO LOCATION 9:00AM TO 10:00AM RU RIG, FLUSHED CSG W/ 60 BBLS@250DED, RD PU 10:00AM TO 11:00AM UNSEATED PUMP LD 2-RODS FLUSHED TBG W/ 40 BBLS @250DEG SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 11:00AM TO 2:00PM LD ROD STRING ON TRAILER 2:00PM TO 3:00PM XO TO TBG TOOLS, ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, TOOH 20 JTS BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD FOR 30 MIN 100% GOOD TEST RIH W/ SL RETRIEVED SV 4:00PM TO 5:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, REVERSE CIRCULATED PKR FLUID, SET PKR CE@4476.90' 5:00PM TO 6:00PM PT CSG TO 1400PSI HELD 100% FOR 30MIN GOOD TEST SDFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 12:00PM TOOH BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 133 JTS OF TBG 12:00PM TO 1:00PM LD 46 JTS TBG ON TRAILER 1:00PM TO 4:00PM TIH W/ INJECTION PKR ASSEMBLY 143 JTS TBG PUMPED 10 BBLS DOWN TBG, DROPPED SV, CHASED W/ 25 BBLS PT TBG TO 3K

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Daily Cost: $0
Cumulative Cost: $25,446

10/17/2013 Day: 3 **Conversion**

Rigless on 10/17/2013 - Conduct initial MIT - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. - On 10/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/16/2013 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. **Finalized**
Daily Cost: $0
Cumulative Cost: $57,658

Pertinent Files: Go to File List

Federal 14-21-9-16

Spud Date: 6-22-07
Put on Production: 7-27-07
GL: 6052' KB: 6064'

Injection Wellbore Diagram

SURFACE CASING

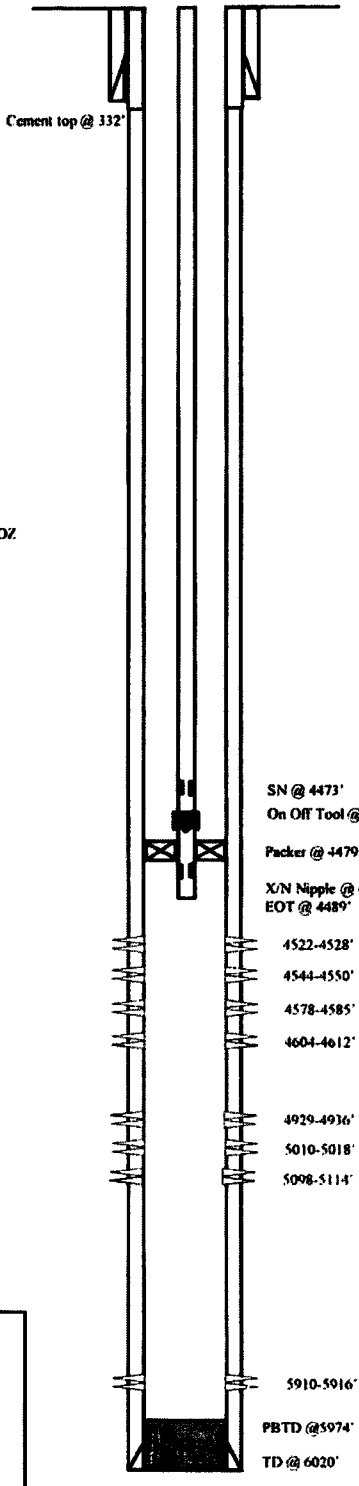
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jnts (311 59')
DEPTH LANDED: 323.44' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE J-55
WEIGHT 15.5#
LENGTH 138 jts (6006.31')
DEPTH LANDED 6019.56' KB
HOLE SIZE 7-7/8"
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ
CEMENT TO SURFACE 332'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
NO OF JOINTS 143 jts (4460.6')
SEATING NIPPLE 2-7/8" (1.10')
SN LANDED AT 4472.6' KB
ON/OFF TOOL AT 4473.7'
ARROW #1 PACKER CE AT 4478.9'
SWEDGE AT 4482.5'
TBG PUP 2-3/8 J-55 AT 4483'
X/N NIPPLE AT 4487.1'
TOTAL STRING LENGTH: EOT @ 4488.94'



FRAC JOB

7-23-07	5910-5916'	**Frac BSC sands as follows:** 15064# 20/40 sand in 286 bbls Lightning 17 frac fluid Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal
7-23-07	5098-5114'	**Frac LODC sands as follows:** 109920# 20/40 sand in 810 bbls Lightning 17 frac fluid Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.
7-23-07	5010-5018'	**Frac LODC sands as follows:** 15148# 20/40 sand in 263 bbls Lightning 17 frac fluid Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.
7-24-07		**A3 Sands would not break down** – decision made to skip A3 sds.
7-24-07	4522-4612'	**Frac D1, D1, D2, D3 sands as follows:** 122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal
04/04/08		**Pump Change.** Rod & Tubing detail updated
2/27/12		**Parted Rods.** Updated rod & tubing detail
10/14/13		**Convert to Injection Well**
10/16/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28 holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

NEWFIELD

Federal 14-21-9-16
797' FSL & 1993' FWL
SE/SW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33141; Lease #UTU-74392

LCN 10/18/13

GARY R. HERBERT
Governor
GREGORY S. BELL
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

May 23, 2013

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

Subject: Greater Monument Butte Unit Well: Federal 14-21-9-16, Section 21, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33141

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.

2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.

3. A casing\tubing pressure test shall be conducted prior to commencing injection.

4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

5. The top of the injection interval shall be limited to a depth no higher than 3,837 feet in the Federal 14-21-9-16 well.

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

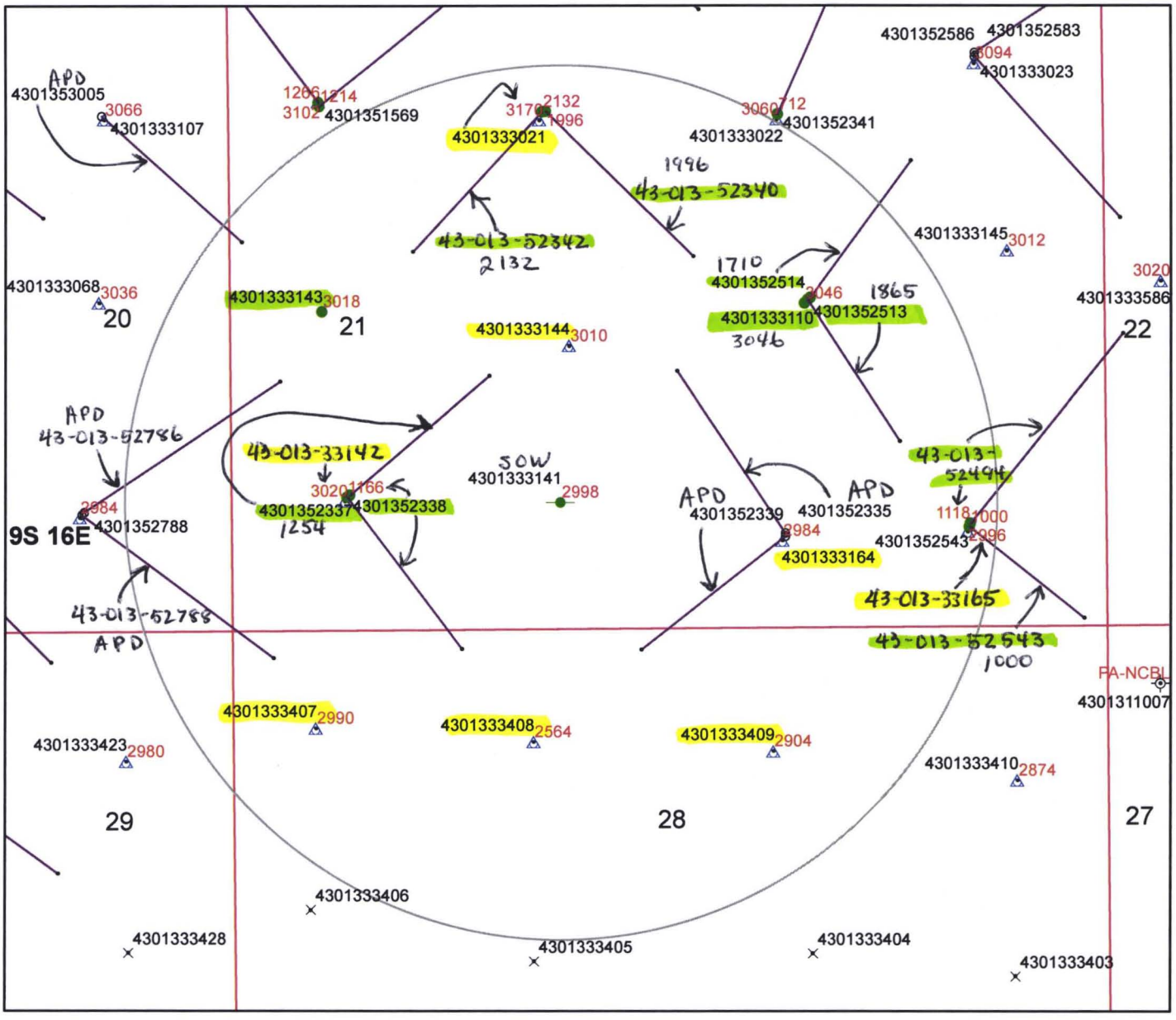
Sincerely,

John Rogers
Associate Director

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

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

UTAH DNR OIL, GAS & MINING



Legend

Oil & Gas Well Type

- APD-Approved Permit
- DRL-Spudded (Drilling Commenced)
- GIW-Gas Injection Well
- GSW-Gas Storage Well
- LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- PA-Pugged & Abandoned
- PGW-Producing Gas Well
- POW-Producing Oil Well in AOR
- RET-Returned APD
- SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- TA-Temp Abandoned
- TW-Test Well
- WDW-Water Disposal Well
- WIW-WaterInjection Well in AOR
- WSW-Water Supply Well

4585 Depth to top of suitable cement bond

- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
  Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

Cement Bond Tops
Federal 14-21-9-16
API #43-013-33141
UIC-408.2

(revised 11/5/2015)

0 0.05 0.1 0.2 0.3 0.4 Miles

N

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

Applicant: Newfield Production Company **Well:** Federal 14-21-9-16

Location: 21/9S/16E **API:** 43-013-33141

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

Well Integrity: The proposed well has surface casing set at 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,020 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,998 feet. A 2 7/8 inch tubing with a packer is proposed at 4,472 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (11/5/2015), based on surface locations, there are 10 producing wells, 8 injection wells, and 1 shut-in well (the proposed injection well) in the AOR. Three of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. Finally, there are 3 approved surface locations outside the AOR from which directional wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2800 feet. Injection shall be limited to the interval between 3,837 feet and 5,944 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 14-21-9-16 well is 0.85 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,876 psig. The requested maximum pressure is 1,876 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

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

Bonding: Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date: 5/15/2013 (revised 11/5/2015)

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED.TAX I.D.# 87-0217663
801-204-6910

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WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/6/2013

RECEIVED
MAY 09 2013
DIV. OF OIL, GAS & MINING

ACCOUNT NAME
DIV OF OIL-GAS & MINING,

TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000877312 /

SCHEDULE
Start 05/05/2013 End 05/05/2013

CUST. REF. NO.
20130502

CAPTION
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL R

SIZE	
59 Lines	2.00 COLUMN

TIMES	RATE
4	

MISC. CHARGES	AD CHARGES

TOTAL COST
203.24

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-408

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

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

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

Greater Monument Butte Unit:
Federal 16-20-9-16 well located in SE/4 SE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33109
Federal 14-21-9-16 well located in SE/4 SW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33141

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 2nd day of May, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-408 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING,** WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 05/05/2013 End 05/05/2013

SIGNATURE

VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 581469
My Commission Expires
January 12, 2014

5/6/2013

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

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 1 consecutive issues, and that the first publication was on the 7 day of May, 2013, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of May, 2013, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Kevin Ashby
Publisher

Subscribed and sworn to before me on this
8 day of May, 2013
by Kevin Ashby.

Bonnie Parrish
Notary Public

Notary Public
BONNIE PARRISH
Commission #653427
My Commission Expires
February 23, 2016
State of Utah

NOTICE OF AGENCY ACTION CAUSE NO. UIC-408

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

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

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Dated this 2nd day of May, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

Published in the Uintah Basin Standard May 7, 2013.

n Verna
5 789-0

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-408

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

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Dated this 2nd day of May, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

Brad Hill
Permitting Manager

Newfield Production Company

FEDERAL 16-20-9-16, FEDERAL 14-21-9-16

Cause No. UIC-408

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 legals@ubstandard.com

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

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

Jean Sweet

GARY R. HERBERT
Governor
GREGORY S. BELL
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

May 2, 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-408

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,

Jean Sweet

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-408

1 message

Cindy Kleinfelter <classifieds@ubstandard.com> Fri, May 3, 2013 at 10:25 AM
To: Jean Sweet <jsweet@utah.gov>

On 5/2/2013 2:51 PM, Jean Sweet wrote:

> To Whom It May Concern:
>
> Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please 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,
>
> Jean Sweet
> Executive Secretary
> Utah Division of Oil, Gas and Mining
> 801-538-5329

This will publish May 7. Thank you.
Cindy

GARY R. HERBERT
Governor
GREGORY S. BELL
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

May 2, 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-408

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 for **account #9001402352** to:

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

Sincerely,

Jean Sweet

Jean Sweet
Executive Secretary

Enclosure

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

UTAH DNR
OIL, GAS & MINING

Jean Sweet <jsweet@utah.gov>

Legal Notice

1 message

Fultz, Mark <naclegal@mediaoneutah.com> Thu, May 2, 2013 at 3:24 PM
Reply-To: "Fultz, Mark" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

AD# 877312
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Cost $203.24
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Mark

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Client Phone	801-538-5340	**Payor Phone**	801-538-5340
Account#	9001402352	**Payor Account**	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	**Payor Address**	1594 W NORTH TEMP #1210,P.O. BO) SALT LAKE CITY, UT 84114
Fax	801-359-3940	**Ordered By**	**Acct. Exec**
EMail	juliecarter@utah.gov	Jean	mfultz

Total Amount	**$203.24**
Payment Amt	**$0.00**
Amount Due	**$203.24**

Tear Sheets	Proofs	Affidavits
0	0	1

Payment Method

PO Number 20130502

Confirmation Notes:

Text: Jean

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Scheduled Date(s):	5/5/2013	
Product	**Placement**	**Position**
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	5/5/2013	
Product	**Placement**	**Position**
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	5/5/2013	
Product	**Placement**	**Position**
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	5/5/2013	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-408

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Dated this 2nd day of May, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
877312 UPAXLP

NEWFIELD

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

April 22, 2013

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

RECEIVED
APR 24 2013
DIV. OF OIL, GAS & MINING

RE: Permit Application for Water Injection Well
Federal #14-21-9-16
Monument Butte Field, Lease #UTU-74392
Section 21-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #14-21-9-16 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,

Eric Sundberg
Environmental Manager

NEWFIELD PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

FEDERAL #14-21-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #UTU-74392

APRIL 22, 2013

TABLE OF CONTENTS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

Well Name and number: Federal #14-21-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74392
Well Location: QQ SESW section 21 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [X] No [ ]
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [X] No [ ]
Disposal? . . . . . Yes [ ] No [X]
Storage? . . . . . Yes [ ] No [X]
Is this application for a new well to be drilled? . . . . . Yes [ ] No [X]
If this application is for an existing well,
has a casing test been performed on the well? . . . . . Yes [ ] No [X]
Date of test:
API number: 43-013-33141

Proposed injection interval: from 3837 to 5944
Proposed maximum injection: rate 500 bpd pressure 1876 psig
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature
Title Environmental Manager Date 4/22/13
Phone No. (303) 893-0102

(State use only)
Application approved by Title
Approval Date

Comments:

Federal 14-21-9-16

Spud Date: 6-22-07
Put on Production: 7-27-07
GL: 6052' KB: 6064'

Proposed Injection
Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

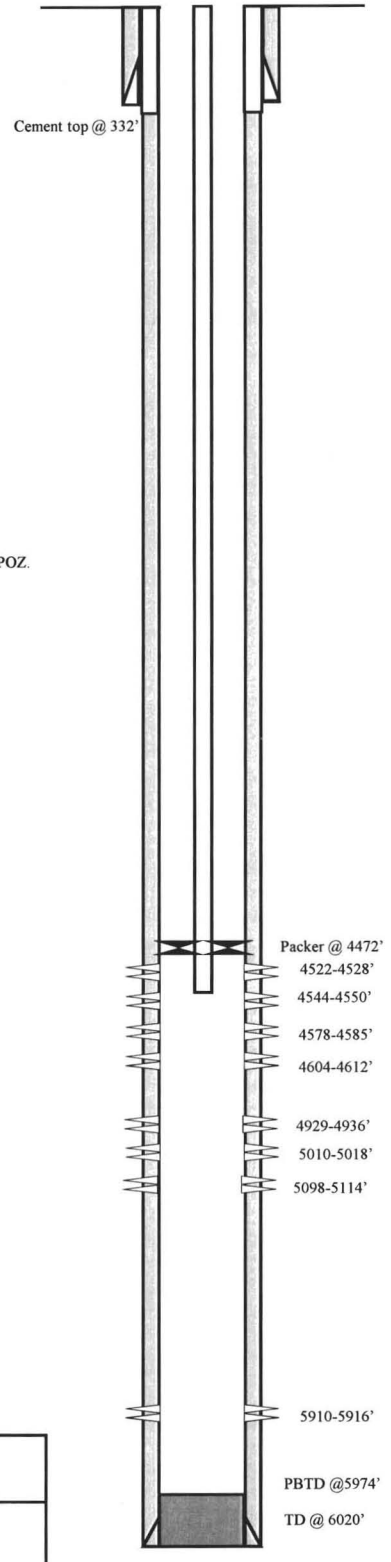
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jnts (311.59')
DEPTH LANDED: 323.44' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 138 jts. (6006.31')
DEPTH LANDED: 6019.56' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TO SURFACE: 332'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 184 jts (5726.1')
TUBING ANCHOR: 5738.1' KB
NO. OF JOINTS: 1 jts (31.1')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5771.9' KB
NO. OF JOINTS: 1 jts (31.5')
NO. OF JOINTS: 3 jts (92.9')
TOTAL STRING LENGTH: EOT @ 5903' KB



FRAC JOB

7-23-07	5910-5916'	**Frac BSC sands as follows:** 15064# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal.
7-23-07	5098-5114'	**Frac LODC sands as follows:** 109920# 20/40 sand in 810 bbls Lightning 17 frac fluid. Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.
7-23-07	5010-5018'	**Frac LODC sands as follows:** 15148# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.
7-24-07	4522-4604'	**Frac D1, D1, D2, D3 sands as follows:** 122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal.
04/04/08 2/27/12		**Pump Change.** Rod & Tubing detail updated Parted Rods. Updated rod & tubing detail.

PERFORATION RECORD

7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

NEWFIELD

Federal 14-21-9-16

797' FSL & 1993' FWL
SE/SW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33141; Lease #UTU-74392

JL 3/7/2013

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 17th Street, Suite 2000
   Denver, Colorado 80202

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

   See Attachment A.

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

   Approval is requested to convert the Federal #14-21-9-16 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 #14-21-9-16 well, the proposed injection zone is from Garden Gulch to Wasatch (3837' - 5944'). 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 3512' and the TD is at 6020'.

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

   The referenced log for the Federal #14-21-9-16 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-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

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

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

   2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

   See Attachments A and B.

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

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

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

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

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

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

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

   The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 6020' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

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

   See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1876 psig.

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

The minimum fracture gradient for the Federal #14-21-9-16, for existing perforations (4522' – 5916') calculates at 0.85 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 1876 psig. We may add additional perforations between 3512' and 6020'. See Attachments G and G-1.

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

In the Federal #14-21-9-16, the proposed injection zone (3837' - 5944') is in the Garden Gulch to the Wasatch of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-12.

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

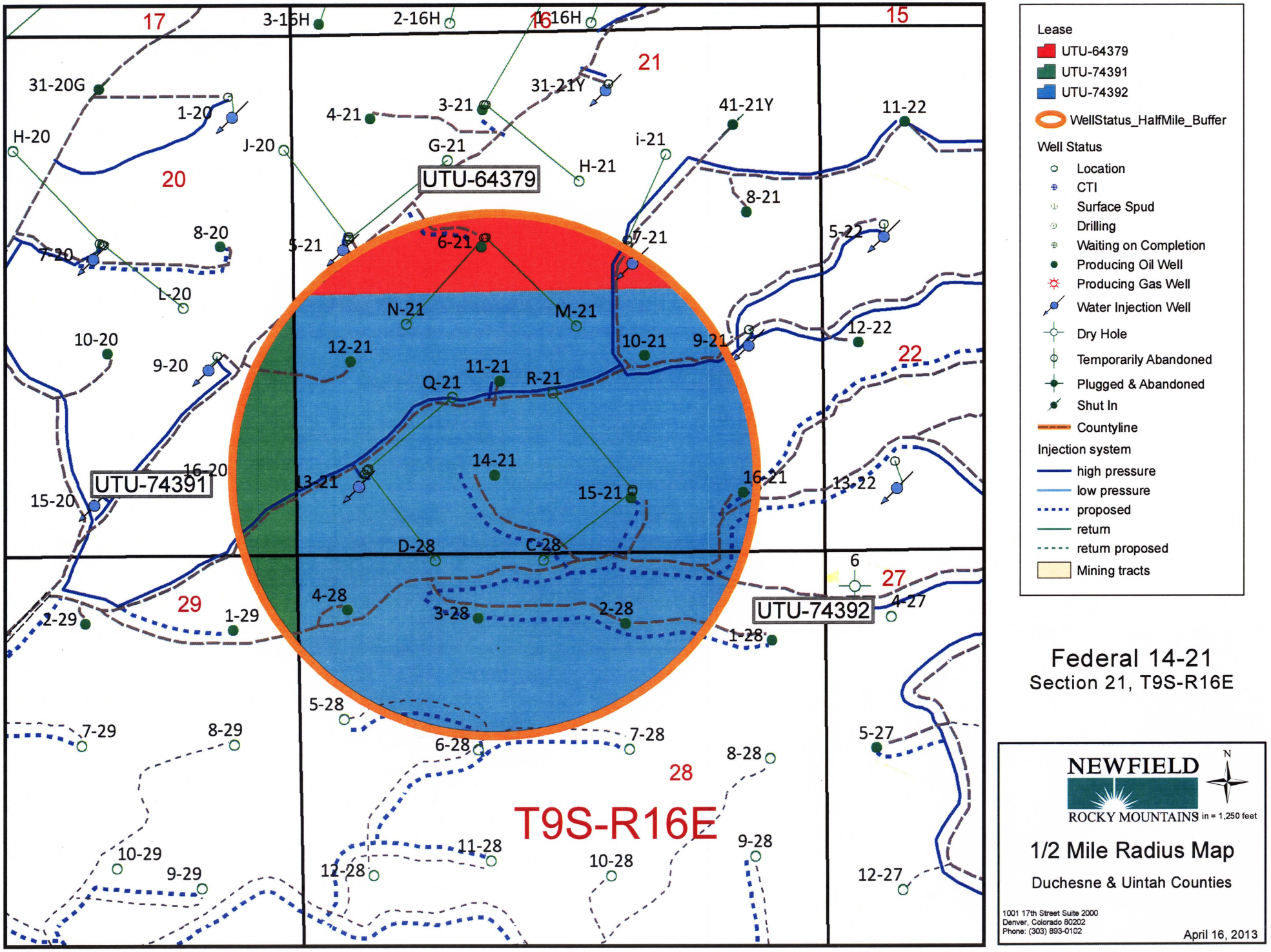
2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

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

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

ATTACHMENT A



Lease
- UTU-64379
- UTU-74391
- UTU-74392
- WellStatus_HalfMile_Buffer

Well Status
- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Countyline

Injection system
- high pressure
- low pressure
- proposed
- return
- return proposed
- Mining tracts

Federal 14-21
Section 21, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS

N

in = 1,250 feet

1/2 Mile Radius Map

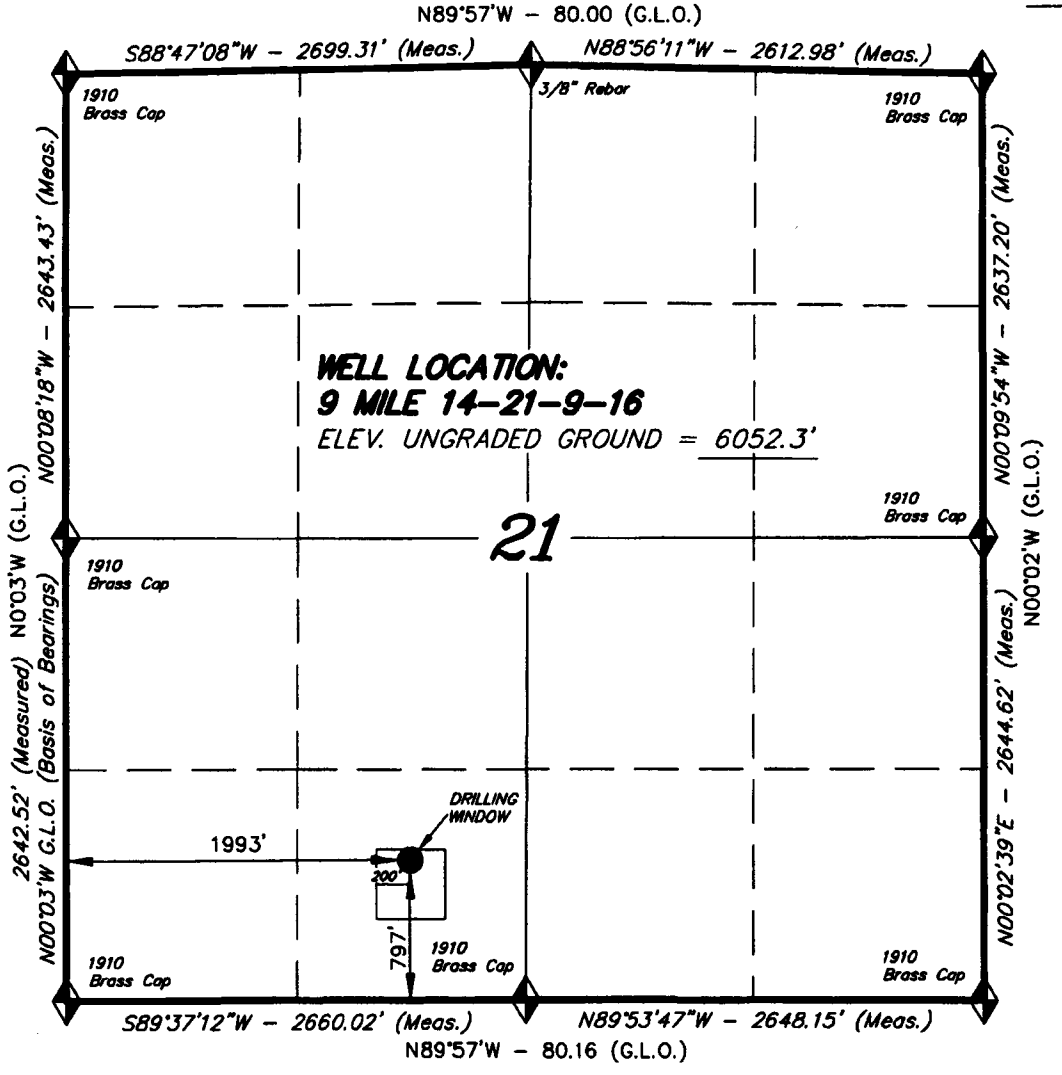
Duchesne & Uintah Counties

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

April 16, 2013

ATTACHMENT A-1

T9S, R16E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 14-21-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 40.86"
LONGITUDE = 110° 07' 35.99"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 14-21-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 3-23-06	SURVEYED BY: C.M.
DATE DRAWN: 3-26-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

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

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #14-21-9-16

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

Signed: _____
Newfield Production Company
Eric Sundberg
Environmental Manager

Sworn to and subscribed before me this 22nd day of April, 2013.

Notary Public in and for the State of Colorado: Candice L. Kowalski

My Commission Expires: My Commission Expires Feb. 25, 2017

CANDICE L. KOWALSKI
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20094004982
My Commission Expires Feb. 25, 2017

ATTACHMENT E

Federal 14-21-9-16

Spud Date: 6-22-07
Put on Production: 7-27-07
GL: 6052' KB: 6064'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH:.7 jnts (311.59')
DEPTH LANDED: 323.44' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

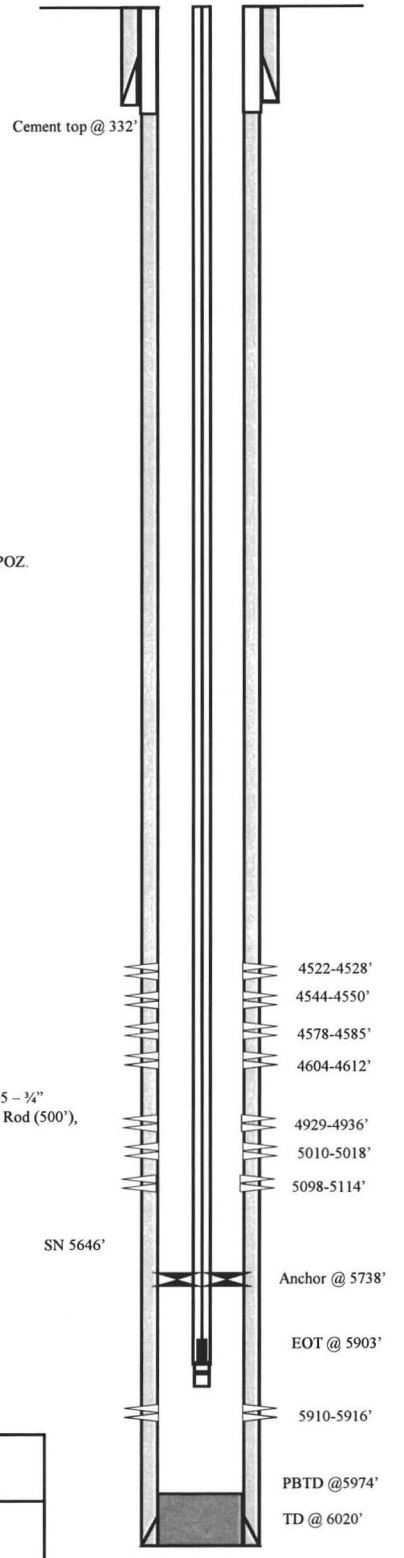
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 138 jts. (6006.31')
DEPTH LANDED: 6019.56' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TO SURFACE: 332'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 184 jts (5726.1')
TUBING ANCHOR: 5738.1' KB
NO. OF JOINTS: 1 jts (31.1')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5771.9' KB
NO. OF JOINTS: 1 jts (31.5')
NO. OF JOINTS: 3 jts (92.9')
TOTAL STRING LENGTH: EOT @ 5903' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 1 – ¾" x 2' Pony Rod, 1 – ¾" x 8' Pony Rod, 105 – ¾" Guided Rod (2625'), 99 – ¾" Sucker Rod (2475'), 20 – ¾" Guided Rod (500'), 6 – 1 ½" Sinker Bar (150').
PUMP SIZE: 2-1/2" x 1-1/4" x 9' x 18' x 22' VSP
STROKE LENGTH: 120"
PUMP SPEED, 4.5 SPM



FRAC JOB

7-23-07	5910-5916'	**Frac BSC sands as follows:** 15064# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal.
7-23-07	5098-5114'	**Frac LODC sands as follows:** 109920# 20/40 sand in 810 bbls Lightning 17 frac fluid. Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.
7-23-07	5010-5018'	**Frac LODC sands as follows:** 15148# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.
7-24-07	4522-4604'	**Frac D1, D1, D2, D3 sands as follows:** 122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal.
04/04/08		**Pump Change.** Rod & Tubing detail updated
2/27/12		Parted Rods. Updated rod & tubing detail.

PERFORATION RECORD

7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

NEWFIELD

Federal 14-21-9-16

797' FSL & 1993' FWL
SE/SW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33141; Lease #UTU-74392

TW 04/28/08
Updated by CS 02/27/12

ATTACHMENT E-1

Federal 5-21-9-16

Spud Date: 10/21/06

Put on Production: 12/02/06

K.B.: 6048' G.L.: 6036'

Injection Wellbore Diagram

SURFACE CASING

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'

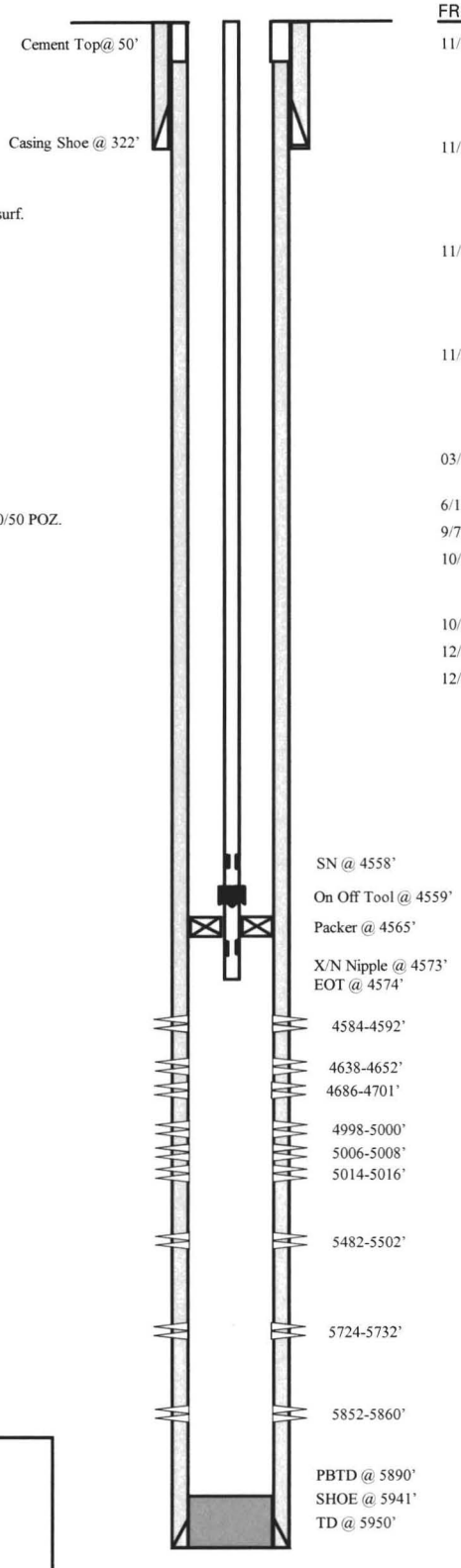
ARROW #1 PACKER CE AT: 4564.8'

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 JOB

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. Calc 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. Calc 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 Lightning17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 25.1 BPM. ISIP 1960 psi. Calc 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		**Re-Completion Finalized**
12/13/12		**Convert to Injection Well**
12/14/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

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

NEWFIELD

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

LCN 12/18/12

Attachment E-2

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

Federal 6-21-9-16

Injection Wellbore Diagram

SURFACE CASING

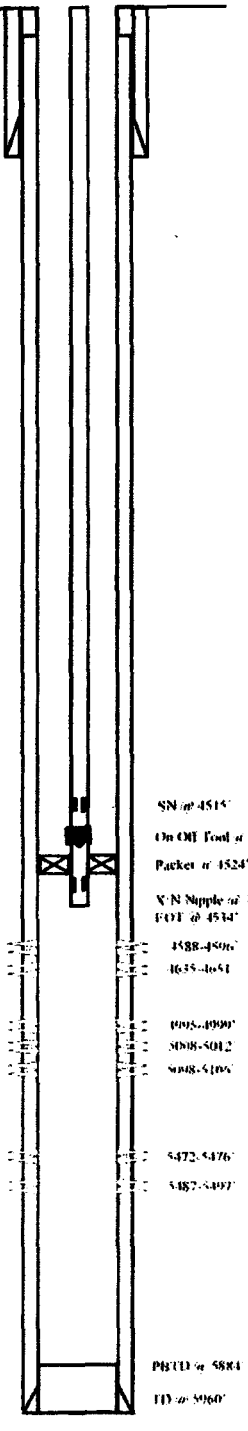
CSG SIZE 8-5/8
GRADE J-55
WEIGHT 24#
LENGTH 7 jts (310.77')
DEPTH LANDED 322.62' KB
HOLE SIZE 12-1/4"
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"
GRADE J-55
WEIGHT 15.5#
LENGTH 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 POZ
CEMENT TOP 60'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
NO OF JOINTS 144 jts (4500.5')
STRETCH (1.2)
NO OF JOINTS 1 jts (31.1')
SEATING NIPPLE 2-7/8" (1.10')
SN LANDED AT 4511.9' KB
ON/OFF TOOL AT 4517.8'
ARROW #1 PACKER CE AT 4524'
XO 2-7/8 x 2-7/8 J-55 AT 4527.7'
HG PUP 2-7/8 J-55 AT 4528.2'
X-N NIPPLE AT 4532.3'
TOTAL STRING LENGTH EOT @ 4533.9'



FRAC JOB

11/28/06	5487-5472'	**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. Calc 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:** 126303# 20/40 sand in 857 bbls Lightning 17 frac fluid. Treated @ avg press of 1655 psi w/avg rate of 24.8 BPM. ISIP 1880 psi. Calc flush: 4649 gal. Actual flush: 4494 gal.
03/19/07		**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		**Re-Completion 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

PERFORATION RECORD

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'	4 JSPF	16 holes
11/11/10	4995-4999'	4 JSPF	16 holes

NEWFIELD

Federal 6-21-9-16
2159'FNL & 1887' FWL
SE/NW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33021; Lease #UTU-64379

EOS 07/31/13

ATTACHMENT E-3

Federal 7-21-9-16

Spud Date: 4-27-07

Put on Production: 7-19-07

GL: 6006' KB: 6018'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (306.20')

DEPTH LANDED: 318.05' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 138 jts. (6095.73')

DEPTH LANDED: 6094.98' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 236'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 145 jts (4541.8')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4553.8'

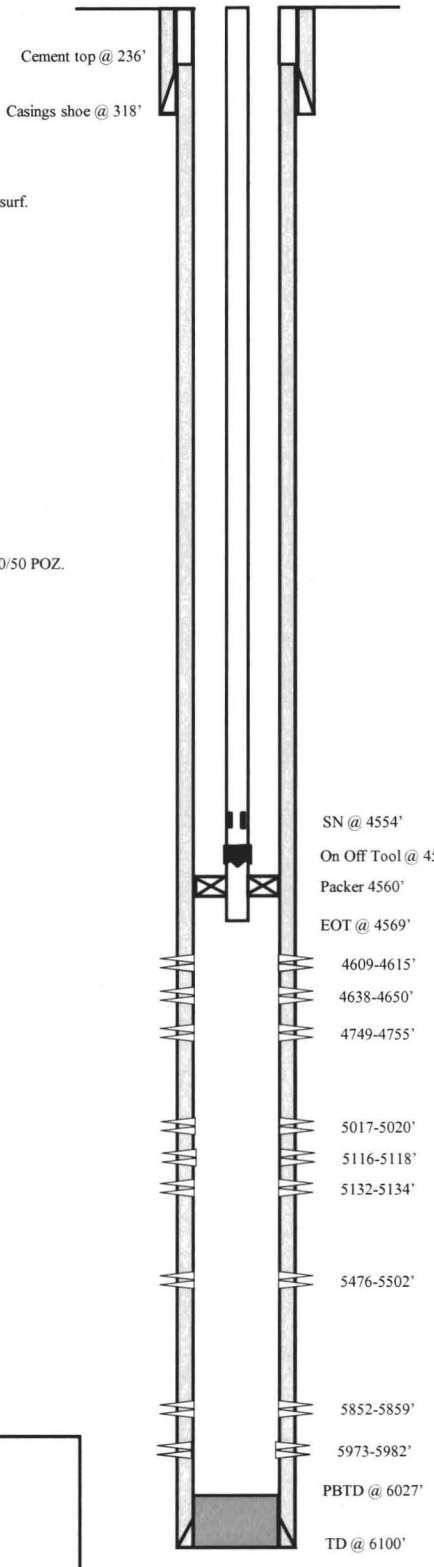
ON/OFF TOOL AT: 4554.9'

ARROW #1 PACKER CE AT: 4559.85'

XO 2-3/8 x 2-7/8 J-55 AT: 4563.6'

TBG PUP 2-3/8 J-55 AT: 4564.1'

TOTAL STRING LENGTH: EOT @ 4569'



FRAC JOB

07-11-07	5973-5982'	**Frac BSC sands as follows:** 40929# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated @ avg press of 2699 psi w/avg rate of 24.8 BPM. ISIP 3967 psi. Calc flush: 5971 gal. Actual flush: 2129 gal.
07-16-07	5852-5859'	**Frac BSC sands as follows:** 15775# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg press of 2760 psi w/avg rate of 22.3 BPM. ISIP 2583 psi. Calc flush: 5850 gal. Actual flush: 5376 gal.
07-16-07	5476-5502'	**Frac CP1 sands as follows:** 116102# 20/40 sand in 859 bbls Lightning 17 frac fluid. Treated @ avg press of 1840 psi w/avg rate of 24.4 BPM. ISIP 2275 psi. Calc flush: 5474 gal. Actual flush: 4956 gal.
07-16-07	4749-4755'	**Frac C sand as follows:** 24885# 20/40 sand in 348 bbls Lightning 17 frac fluid. Treated @ avg press of 2138 w/ avg rate of 2448 BPM. ISIP 1780 psi. Calc flush: 4747 gal. Actual flush: 4284 gal.
07-16-07	4609-4650'	**Frac D1 & D2 sand as follows:** 53260# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2082 w/ avg rate of 24.5 BPM. ISIP 1820 psi. Calc flush: 4691 gal. Actual flush: 4494 gal.
11-26-07		**Pump Change**. Updated rod & tubing details.
10/30/09		**Pump Change**. Updated rod & tubing details.
8/16/11		**Parted Rods.** Updated rod & tubing details.
09/24/12	5116 - 5134'	**Frac LODC sand as follows:** 23425# 20/40 sand in 360bbls Lightning 17 frac fluid
09/24/12	5017 - 5020'	**Frac A3 sand as follows:** 18616# 20/40 sand in 269bbls Lightning 17 frac fluid
09/25/12		**Convert to Injection Well**
09/27/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

07-05-07	5973-5982'	4 JSPF	36 holes
07-16-07	5852-5859'	4 JSPF	28 holes
07-16-07	5476-5502'	4 JSPF	104 holes
07-16-07	4749-4755'	4 JSPF	24 holes
07-16-07	4638-4650'	4 JSPF	48 holes
07-16-07	4609-4615'	4 JSPF	24 holes
09/20/12	5132-5134'	3 JSPF	6 holes
09/20/12	5116-5118'	3 JSPF	6 holes
09/20/12	5017-5020'	3 JSPF	9 holes

NEWFIELD

Federal 7-21-9-16

2172' FNL & 1967' FEL

SW/NE Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33022; Lease # UTU-64379

LCN 10/01/12

ATTACHMENT E-4

FEDERAL 10-21-9-16

Spud Date: 05/12/07
Put on Production: 07/26//07
GL: 6032' KB: 6044'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (306.20')
DEPTH LANDED: 323.56' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

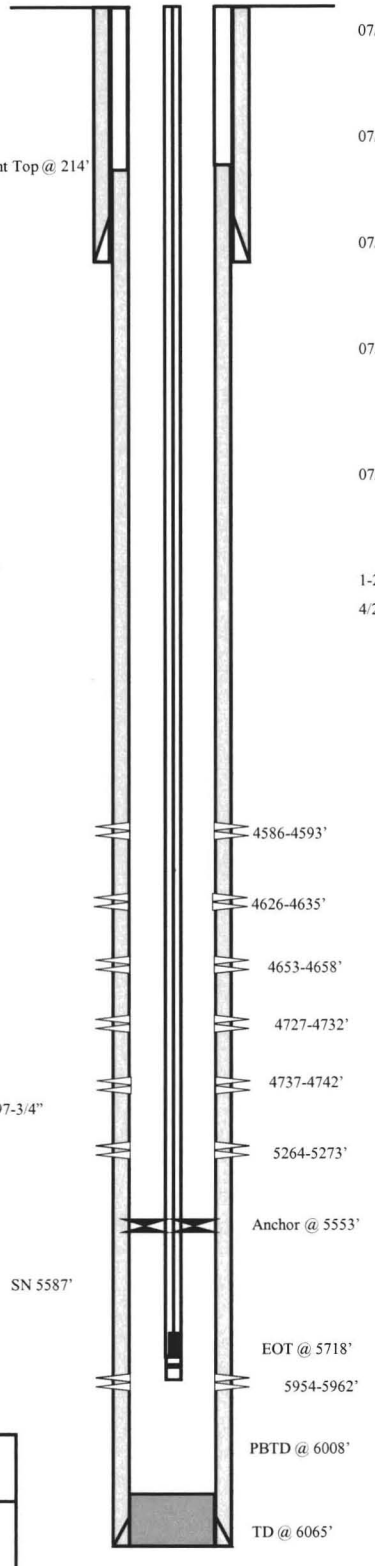
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6041.')
DEPTH LANDED: 6054.25' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 214'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 176 jts (5540.93')
TUBING ANCHOR: 5552.93'
NO. OF JOINTS: 1 jts (31.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5587.23'
NO. OF JOINTS: 4 jts (123.34')
TOTAL STRING LENGTH: EOT @ 5717.80'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-8', 1-6' x ¾" pony rods, 99-3/4" scrapered rods, 97-3/4" plain rods, 20-3/4" scrapered rods, 6-1 ½" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC W/ sm plunger
STROKE LENGTH: 86"
PUMP SPEED, 4.5 SPM:



FRAC JOB

07/20/07 5954-5962' **Frac BSLS sands as follows:** 40380# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2388 psi w/avg rate of 24.9 BPM. ISIP 4330 psi. Calc flush: 5952 gal. Actual flush: 5208 gal.

07/20/07 5264-5273' **Frac LODC sands as follows:** 15583# 20/40 sand in 279 bbls Lightning 17 frac fluid. Treated @ avg press of 2484 psi w/avg rate of 24.8 BPM. ISIP 2438 psi. Calc flush: 5262 gal. Actual flush: 4746 gal.

07/20/07 4727-4742' **Frac C sands as follows:** 45637# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 1823 psi w/avg rate of 24.8 BPM. ISIP 1756 psi. Calc flush: 4725 gal. Actual flush: 4284 gal.

07/20/07 4586-4658' **Frac D3, D2, & D1 sands as follows:** 0# 20/40 sand in 211 bbls Lightning 17 frac fluid. Treated @ avg press of 1823 psi w/avg rate of 24.8 BPM. ISIP 1597 psi. Calc flush: 4584 gal. Actual flush: 0 gal. (BJ blender broke.)

07/21/07 4586-4658' **Frac D sands as follows:** 111055# 20/40 sand in 812 bbls Lightning 17 frac fluid. Treated @ avg press of 1670 psi w/avg rate of 24.8 BPM. ISIP 1770 psi. Calc flush: 4584 gal. Actual flush: 4578 gal

1-23-08 Parted rods. Updated rod & tubing details.

4/21/09 Pump Change. Updated r & t details.

PERFORATION RECORD

07/20/07	5954-5962'	4 JSPF	32 holes
07/20/07	5264-5273'	4 JSPF	36 holes
07/20/07	4737-4742'	4 JSPF	20 holes
07/20/07	4727-4732'	4 JSPF	20 holes
07/20/07	4653-5658'	4 JSPF	20 holes
07/20/07	4626-4635'	4 JSPF	36 holes
07/21/07	4586-4593'	4 JSPF	28 holes

NEWFIELD

FEDERAL 10-21-9-16

1992'FSL & 1810' FEL

NW/SE Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33110; Lease # UTU-74392

DF 7/8/09

Attachment E-5

Federal 11-21-9-16

Spud Date: 7-04-07
Put on Production: 8-06-07
GL: 6040' KB: 6052'

Injection Wellbore Diagram

SURFACE CASING

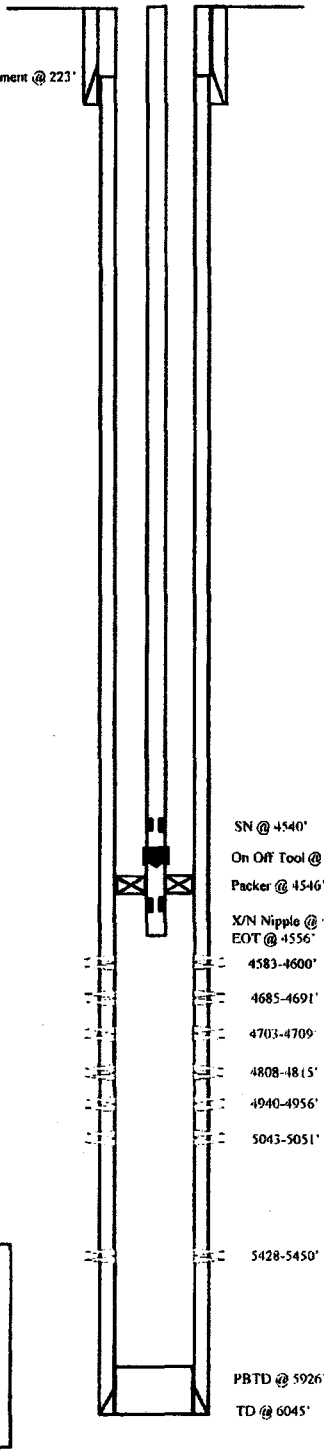
CSG SIZE 8-5/8"
GRADE J-55
WEIGHT 24#
LENGTH 7 jts (309 74')
DEPTH LANDED 321 59' KB
HOLE SIZE 12-1/4"
CEMENT DATA 160 sxs Class "G" cmt, est 4 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"
GRADE J-55
WEIGHT 15 5#
LENGTH 137 jts (6017 88')
DEPTH LANDED 6031 13' KB
HOLE SIZE 7-7/8"
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ
CEMENT TOP AT 223'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6 5#
NO OF JOINTS 144 jts (4528')
SEATING NIPPLE 2-7/8" (1 10')
SN LANDED AT 4540' KB
ON/OFF TOOL AT 4541 1'
ARROW #1 PACKER CE AT 4546 23'
XO 2-3/8 x 2-7/8 J-55 AT 4550'
TBG PUP 2-3/8 J-55 AT 4550 6'
X/N NIPPLE AT 4554 7'
TOTAL STRING LENGTH EOT @ 4556 26'



FRAC JOB

08-01-07	5428-5450'	**Frac CP1 sands as follows:** 99480# 20/40 sand in 758 bbls Lightning 17 frac fluid Treated @ avg press of 2388 psi w/avg rate of 24 8 BPM ISIP 2100 psi Calc flush 5426 gal Actual flush 4839 gal
08-01-07	5043-5051'	**Frac LODC sands as follows:** 24293# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 2280 psi w/avg rate of 24 9 BPM ISIP 2492 psi Calc flush: 5041 gal Actual flush 4524 gal
0801-07	4940-4956'	**Frac A3 sands as follows:** 70072# 20/40 sand in 595 bbls Lightning 17 frac fluid Treated @ avg press of 2180 psi w/avg rate of 24 9 BPM ISIP 2368 psi Calc flush: 4938 gal Actual flush 4431 gal
08-01-07	4808-4815'	**Frac B2 sand as follows:** 14168# 20/40 sand in 280 bbls Lightning 17 frac fluid Treated @ avg press of 2415 w/ avg rate of 25 BPM ISIP 1720 psi Calc flush: 4806 gal Actual flush: 4301 gal
08-01-07	4685-4709'	**Frac C sand as follows:** 19350# 20/40 sand in 304 bbls Lightning 17 frac fluid Treated @ avg press of 1870 w/ avg rate of 24 8 BPM ISIP 1717 psi Calc flush: 4683 gal Actual flush: 4179 gal
08-01-07	4583-4600'	**Frac D2 sand as follows:** 112592# 20/40 sand in 813 bbls Lightning 17 frac fluid Treated @ avg press of 1600 w/ avg rate of 24 7 BPM ISIP 1750 psi Calc flush: 4581 gal Actual flush: 4494 gal
12/18/08		**Stuck Pump.** Updated rod & tubing details
05/25/11		**Parted Rods** Rod & tubing updated
08/28/13		**Convert to Injection Well**
08/30/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

07-24-07	5428-5450'	4 JSPF	22 holes
08-01-07	5043-5051'	4 JSPF	32 holes
08-01-07	4940-4956'	4 JSPF	64 holes
08-01-07	4808-4815'	4 JSPF	28 holes
08-01-07	4703-4709'	4 JSPF	24 holes
08-01-07	4685-4691'	4 JSPF	24 holes
08-01-07	4583-4600'	4 JSPF	68 holes

NEWFIELD

Federal 11-21-9-16
1742' FSL & 2052' FWL
NE/SW Section 21-T9S-R16E
Duchesne Co, Utah
API # 43-013-33144; Lease # UTU-74392

LCN 09/04/13

ATTACHMENT E-6

Federal 12-21-9-16

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

GL: 6054' KB: 6066'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

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

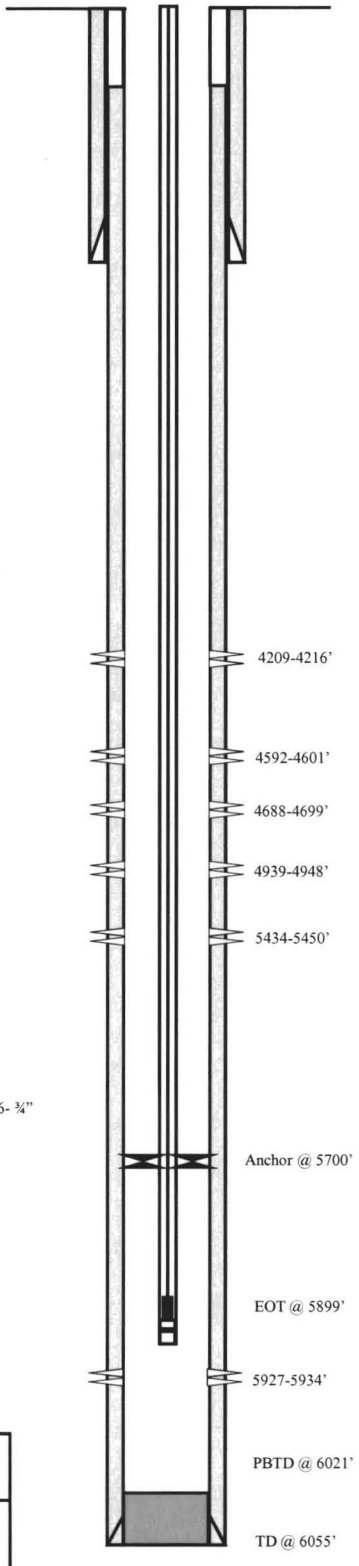
POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 1-4', 1-8' X ¾" Pony Rods, 99- ¾" guided rods, 106- ¾" plain rods, 19- ¾" guided rods, 6-1 ½" 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



FRAC JOB

08-24-07	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.
08-24-07	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.
08-24-07	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.
08-24-07	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.
08-24-07	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.
08-24-07	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.
12-12-07		Pump Change. Updated rod & tubing details.
10/26/09		Pump Change. Updated rod & tubing details.
10/14/11		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

NEWFIELD

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

TW 11/01/11

ATTACHMENT E-7

Federal 13-21-9-16

Spud Date: 4-30-07

Put on Production: 7-30-07

GL: 6105' KB: 6117'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH:.7 jnts (312.15')

DEPTH LANDED: 324.01' 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: 137 jts. (6025.88')

DEPTH LANDED: 6039.13' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP: surface.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 144 jts. (4526.0')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4538'

ON/OFF TOOL AT: 4539.1'

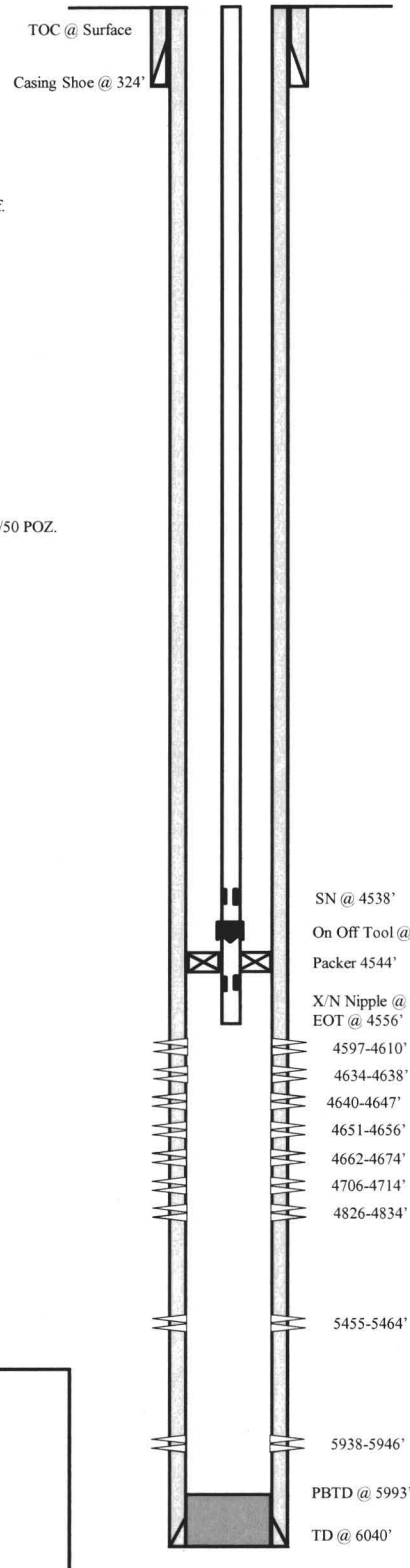
ARROW #1 PACKER CE AT: 4544.37'

XO 2-3/8 x 2-7/8 J-55 AT: 4548.1'

TBG PUP 2-3/8 J-55 AT: 4548.7'

X/N NIPPLE AT: 4554.8'

TOTAL STRING LENGTH: EOT @ 4556'



FRAC JOB

7-25-07	5938-5946'	**Frac BSC sands as follows:** 14827# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1898 psi w/avg rate of 24.8 BPM. ISIP 1983 psi. Calc flush:5936 gal. Actual flush: 5418 gal.
7-25-07	5455-5464'	**Frac CP1 sands as follows:** 152957# 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2098 psi w/avg rate of 24.7 BPM. ISIP 2085 psi. Calc flush: 5453 gal. Actual flush: 4914 gal.
7-26-07	4826-4834'	**Frac B2 sands as follows:** 45217# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2144 psi w/avg rate of 28.1 BPM. ISIP 2377 psi. Calc flush: 4824 gal. Actual flush: 4368 gal.
7-26-07	4706-4714'	**Frac C sands as follows:** 42292# 20/40 sand in 354 bbls Lightning 17 frac fluid. 24.8 BPM. ISIP 1463 psi.
2-19-08		**Pump Change.** Updated rod & tubing details.
05/15/09		**Recompletion.**
05/15/09	4597-4610'	**Frac D3 & D2 sands as follows:** 124935# 20/40 sand in 1196 bbls Lightning 17 frac fluid. 26 BPM. ISIP 1764 psi.
04/19/10		**Tubing Leak.** Rod & Tubing Updated.
03/24/11		**Tubing Leak**. Rod & tubing details updated.
12/22/11		**Tubing Leak:** Rod & tubing details updated.
10/26/12		**Convert to Injection Well**
10/30/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

7-18-07	5938-5946'	4 JSPF	32 holes
7-25-07	5455-5464'	4 JSPF	36 holes
7-25-07	4826-4834'	4 JSPF	32 holes
7-26-07	4706-4714'	4 JSPF	32 holes
5-16-09	4662-4674'	4 JSPF	48 holes
5-16-09	4651-4656'	4 JSPF	20 holes
5-16-09	4640-4647'	4 JSPF	28 holes
5-16-09	4634-4638'	4 JSPF	16 holes
5-16-09	4597-4610'	4 JSPF	52 holes

NEWFIELD

Federal 13-21-9-16

811' FSL & 687' FWL

SW/SW Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33142; Lease #UTU-74392

LCN 10/31/12

 Attachment E-8

Federal 15-21-9-16

Spud Date: 5-16-07

Put on Production: 7-13-07

GL: 6043' KB: 6055'

SURFACE CASING

CSG SIZE 8-5/8"

GRADE J-55

WEIGHT 24#

LENGTH 7 jts (309 22')

DEPTH LANDED 319 22'

HOLE SIZE 12-1/4"

CEMENT DATA 160 sxs Class "G" cmt, circ 5 bbls to surf

PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE J-55

WEIGHT 15 5#

LENGTH 133 jts (5858 44)

DEPTH LANDED 5855 44'

HOLE SIZE 7-7/8"

CEMENT DATA 300 sxs Premlite II & 400 sxs 50/50 POZ

CEMENT TOP AT 128' per CBL 7/2/07

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6 5#

NO OF JOINTS 124 jts (3845 4')

SEATING NIPPLE 2-7/8" (1 10')

SN LANDED AT 3857 4' KB

ON/OFF TOOL AT 3858 5'

ARROW #1 PACKER CE AT 3864 44'

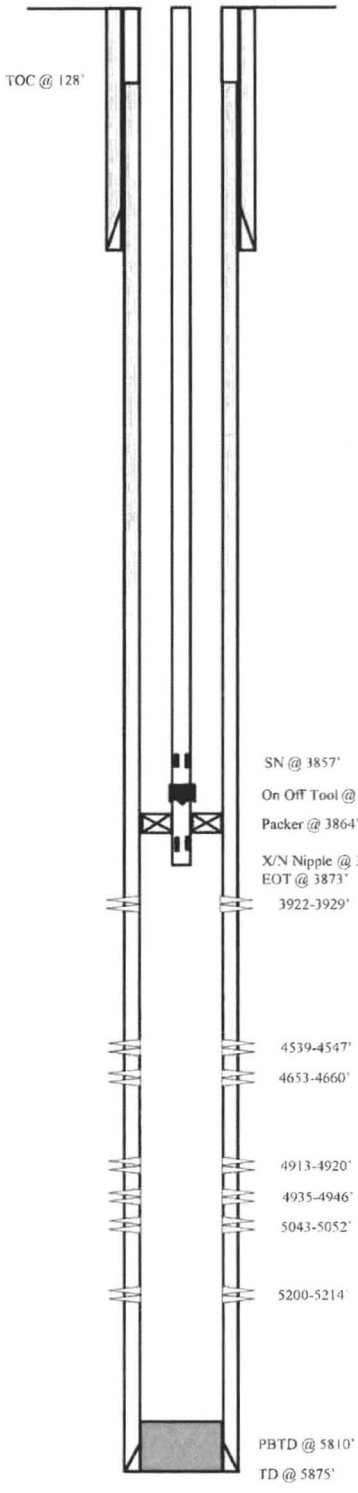
XO 2-3/8 x 2-7/8 J-55 AT 3867 4'

TBG PUP 2-3/8 J-55 AT 3867 9'

X/N NIPPLE AT 3872 2'

TOTAL STRING LENGTH EOT @ 3873 54'

Injection Wellbore Diagram



FRAC JOB

07-05-07	5200-5214'	**Frac LODC sands as follows:** 49991# 20/40 sand in 493 bbls Lightning 17 frac fluid Treated @ avg press of 2442 psi w/avg rate of 24 5 BPM ISIP 2660 psi Calc flush 5198 gal Actual flush 4796 gal
07-06-07	5043-5052'	**Frac LODC sands as follows:** 44714# 20/40 sand in 452 bbls Lightning 17 frac fluid Treated @ avg press of 2384 psi w/avg rate of 24 3 BPM ISIP 2743 psi Calc flush: 5041 gal Actual flush 4578 gal
07-06-07	4913-4946'	**Frac A3 sands as follows:** 80345# 20/40 sand in 626 bbls Lightning 17 frac fluid Treated @ avg press of 1776 psi w/avg rate of 24.6 BPM ISIP 2172 psi Calc flush: 4911 gal Actual flush: 4406 gal
07-06-07	4653-4660'	**Frac C sand as follows:** 14684# 20/40 sand in 262 bbls Lightning 17 frac fluid Treated @ avg press of 1891 w/ avg rate of 24.5 BPM ISIP 1694 psi Calc flush: 4651 gal Actual flush: 4187 gal
07-06-07	4539-4547'	**Frac D1 sand as follows:** 35061# 20/40 sand in 409 bbls Lightning 17 frac fluid Treated @ avg press of 1813 w/ avg rate of 24 6 BPM ISIP 1813 psi Calc flush: 4537 gal Actual flush: 3990 gal
07-07-07	3922-3929'	**Frac GB2 sand as follows:** 20191# 20/40 sand in 288 bbls Lightning 17 frac fluid Treated @ avg press of 1587 w/ avg rate of 24 7 BPM ISIP 1651 psi Calc flush 3920 gal Actual flush: 3864 gal
11/11/08		**Pump Change.** Updated rod & tubing details
1/15/2010		**Pump Change** Updated rod and tubing detail
4/24/2010		**Pump change.** Updated rod and tubing detail
10/26/10		**Pump Change** Rod & Tubing detail updated
08/30/13		**Convert to Injection Well**
09/04/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

06-15-07	5200-5214'	4 JSPF	56 holes
06-22-07	5043-5052'	4 JSPF	36 holes
06-22-07	4935-4946'	4 JSPF	44 holes
06-22-07	4913-4920'	4 JSPF	28 holes
06-22-07	4653-4660'	4 JSPF	28 holes
06-22-07	4539-4547'	4 JSPF	32 holes
06-22-07	3922-3929'	4 JSPF	28 holes

NEWFIELD

Federal 15-21-9-16

559' FSL & 1954' FEL

SW/SE Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33164; Lease # UTU-74392

LCN 09/11/13

NEWFIELD

Schematic

43-013-33165

Well Name: Federal 16-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
21-9S-16E	43013331650000	500158551		Utah	GMBU CTB6	DUCHESNE

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
5/7/2007	6/15/2007	7/5/2007	6,039	6,027		Original Hole - 5,879.9

Most Recent Job

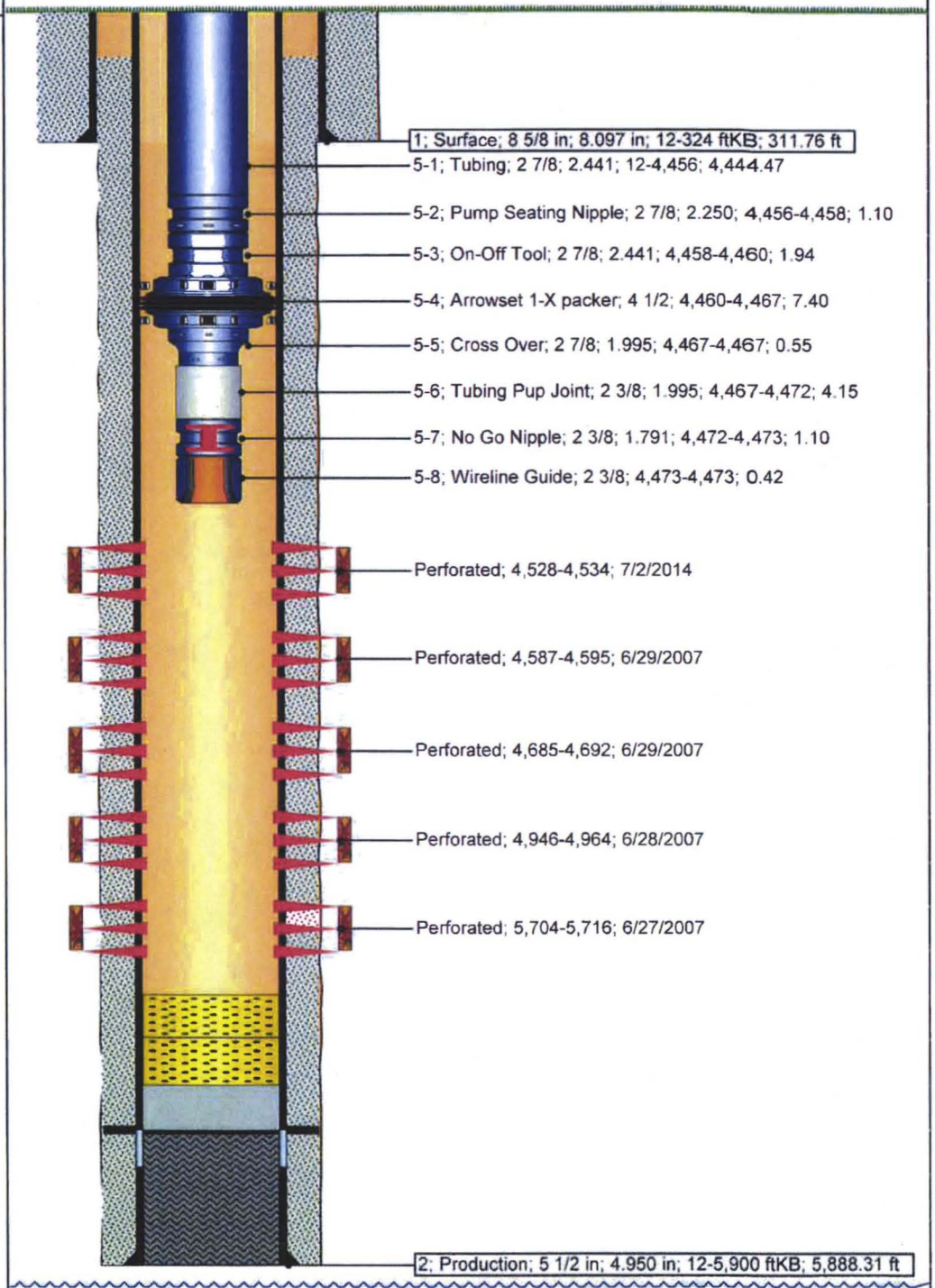
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Conversion	OAP	6/30/2014	7/7/2014

TD: 5,900.3

Vertical - Original Hole, 7/10/2014 8:16:39 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS
			DLS (°...
12.1			
244.1			
322.8			
323.8			
4,456.4			
4,457.7			
4,459.6			
4,466.9			
4,467.5			
4,471.5			
4,472.8			
4,473.1			
4,527.9			
4,534.1			
4,586.9			
4,595.1			
4,685.0			
4,691.9			
4,945.9			
4,963.9			
5,704.1			
5,715.9			
5,844.2			
5,847.1			
5,876.0			
5,879.9			
5,880.6			
5,899.6			
5,900.3			

Vertical schematic (actual)



NEWFIELD

Schematic

43-013-33409

Well Name: Federal 2-28-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
28-9S-16E	43013334090000	500173227		Utah	GMBU CTB6	DUCHESNE

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
		7/17/2009	6,041	6,029		Original Hole - 5,775.3

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Conversion	Basic	7/29/2014	8/5/2014

TD: 5,830.0

Vertical - Original Hole, 8/6/2014 8:07:20 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS
12.1			DLS (°...
169.9			
322.5			
323.5			
329.1			
4,421.9			
4,423.2			
4,424.9			
4,432.7			
4,433.4			
4,437.3			
4,438.6			
4,439.0			
4,472.1			
4,474.1			
4,496.1			
4,502.0			
4,694.9			
4,695.9			
4,845.1			
4,852.0			
4,874.0			
4,878.0			
4,982.0			
4,985.9			
4,988.8			
4,992.1			
5,351.0			
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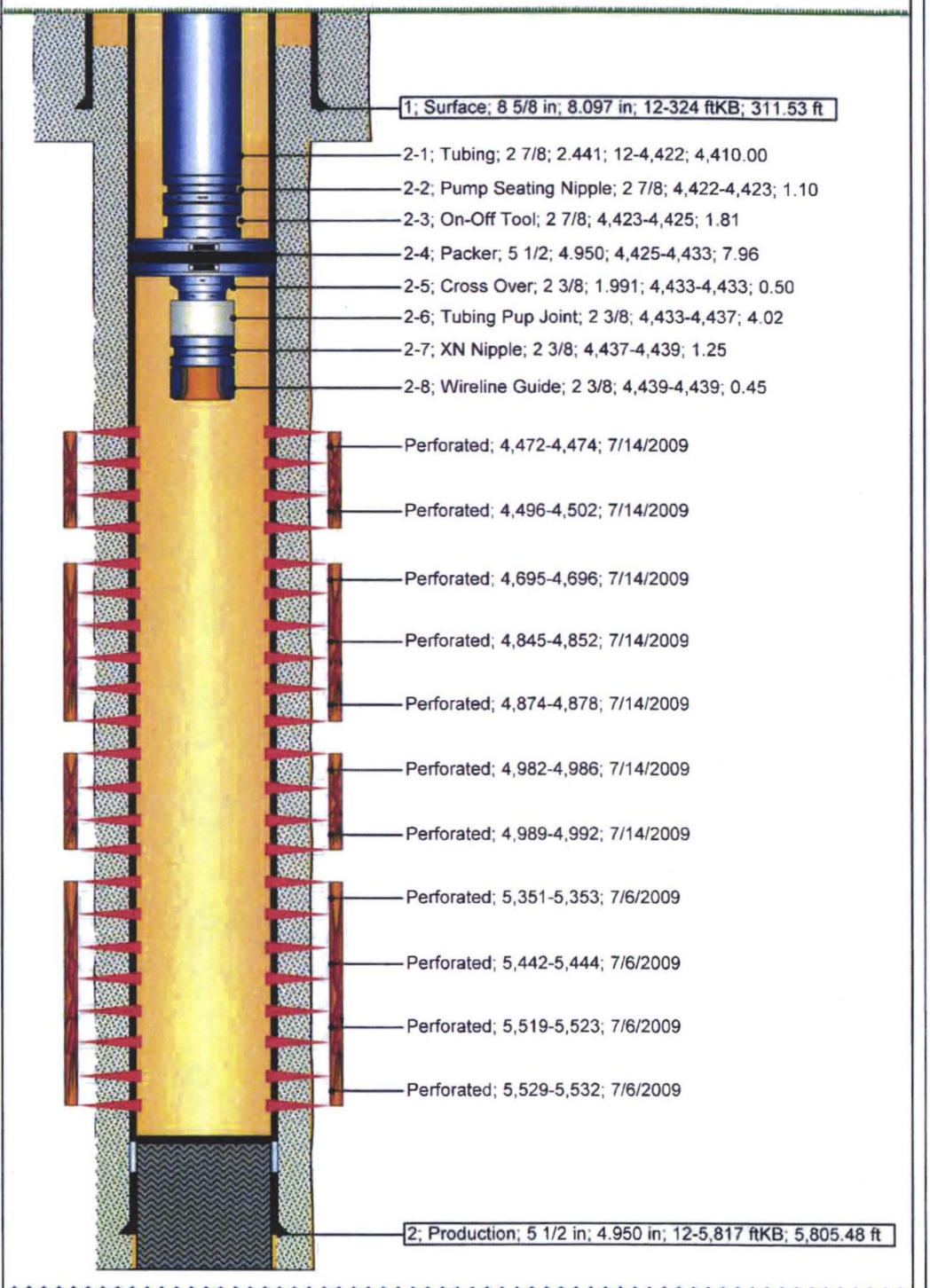
5,830.1			

Vertical schematic (actual)

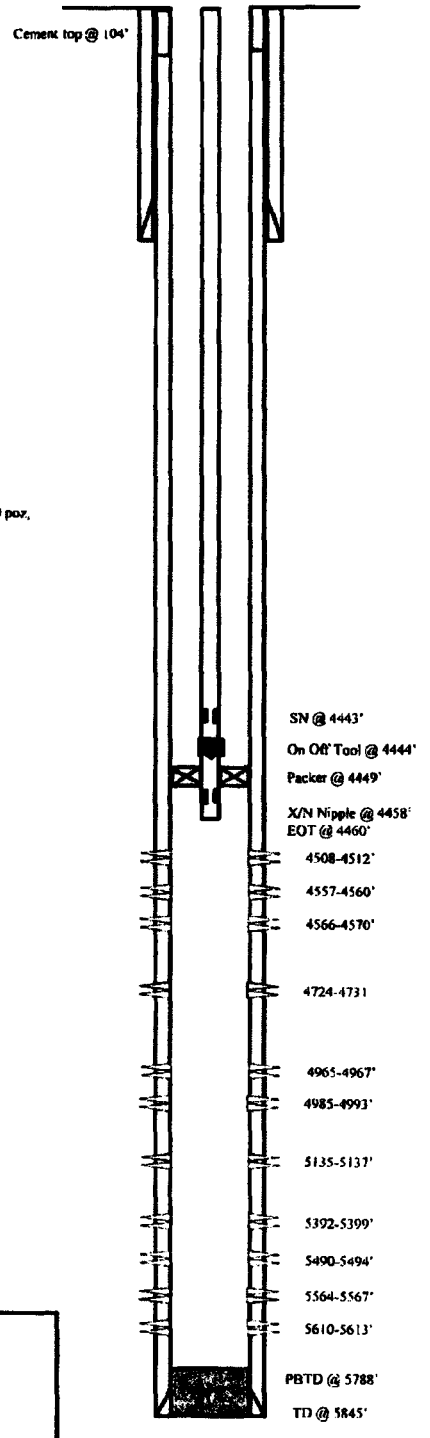


Attachment E-11

Federal 3-28-9-16

Spud Date: 6/22/2009
Put on Production: 7/28/2009
GL: 6097' KB: 6109'

Injection Wellbore Diagram



SURFACE CASING

CSG SIZE 8-5/8"
GRADE J-55
WEIGHT 24#
LENGTH 7 jts (269')
DEPTH LANDED 317' KB
HOLE SIZE: 12-1/4"
CEMENT DATA 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE 5-1/2"
GRADE J-55
WEIGHT 15 5#
LENGTH 149 jts (5821')
DEPTH LANDED: 5836'
HOLE SIZE: 7-7/8"
CEMENT DATA 296 sx Prem Lite mixed and 450 sx 50/50 poz,
CEMENT TOP AT 104'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6 5#
NO OF JOINTS 141 jts (4431 2')
SEATING NIPPLE 2-7/8" (1 10')
SN LANDED AT 4443 2' KB
ON/OFF TOOL AT 4444 3'
ARROW #1 PACKER CE AT 4449 52'
XO 2-3/8 x 2-7/8 J-55 AT 4453 69'
TBG PUP 2-3/8 J-55 AT 4454 24'
X/N NIPPLE AT 4458 39'
TOTAL STRING LENGTH EOT @ 4459 9'

FRAC JOB

7/28/2009	5490-5613'	**Frac CP4, CP 3, & CP5 sands as follows:** Frac with 30,556#'s of 20/40 sand in 182 bbls of Lightning 17 frac fluid
7/28/2009	4965-5399'	**Frac LODC & CP1 sands as follows:** Frac with 30,596#'s of 20/40 sand in 159 bbls of Lightning 17 frac fluid
7/28/2009	4724-4731'	**Frac B1 sands as follows:** Frac with 14782#'s of 20/40 sand in 86 bbls of Lightning 17 frac fluid
7/28/2009	4508-4570'	**Frac D1 & D2 sands as follows:** Frac with 100042#'s of 20/40 sand in 430 bbls of Lightning 17 frac fluid
3/12/12		**Tubing leak:** Updated rod & tubing detail
08/27/13		**Convert to Injection Well**
08/29/13		**Conversion MIT Finalized - update tbg detail**

PERFORATION RECORD

5610-5613'	3 JSPF	9 holes
5564-5567'	3 JSPF	9 holes
5490-5494'	3 JSPF	12 holes
5392-5399'	3 JSPF	21 holes
5135-5137'	3 JSPF	6 holes
4985-4993'	3 JSPF	24 holes
4965-4967'	3 JSPF	6 holes
4724-4731'	3 JSPF	21 holes
4566-4570'	3 JSPF	12 holes
4557-4560'	3 JSPF	9 holes
4508-4512'	3 JSPF	12 holes

NEWFIELD

Federal 3-28-9-16
651' FNL & 1801' FWL
NE/NW Section 28-T9S-R16E
Duchesne Co, Utah
API # 43-013-33408; Lease # UTU-74392

LCN 09/04/13

Attachment E-12

NEWFIELD

Schematic

43-013-33407

Well Name: Federal 4-28-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
28-9S-16E	43013334070000	500173231		Utah	GMBU CTB6	DUCHESNE

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
		8/7/2009	6,169	6,157		Original Hole - 5,845.0

Most Recent Job

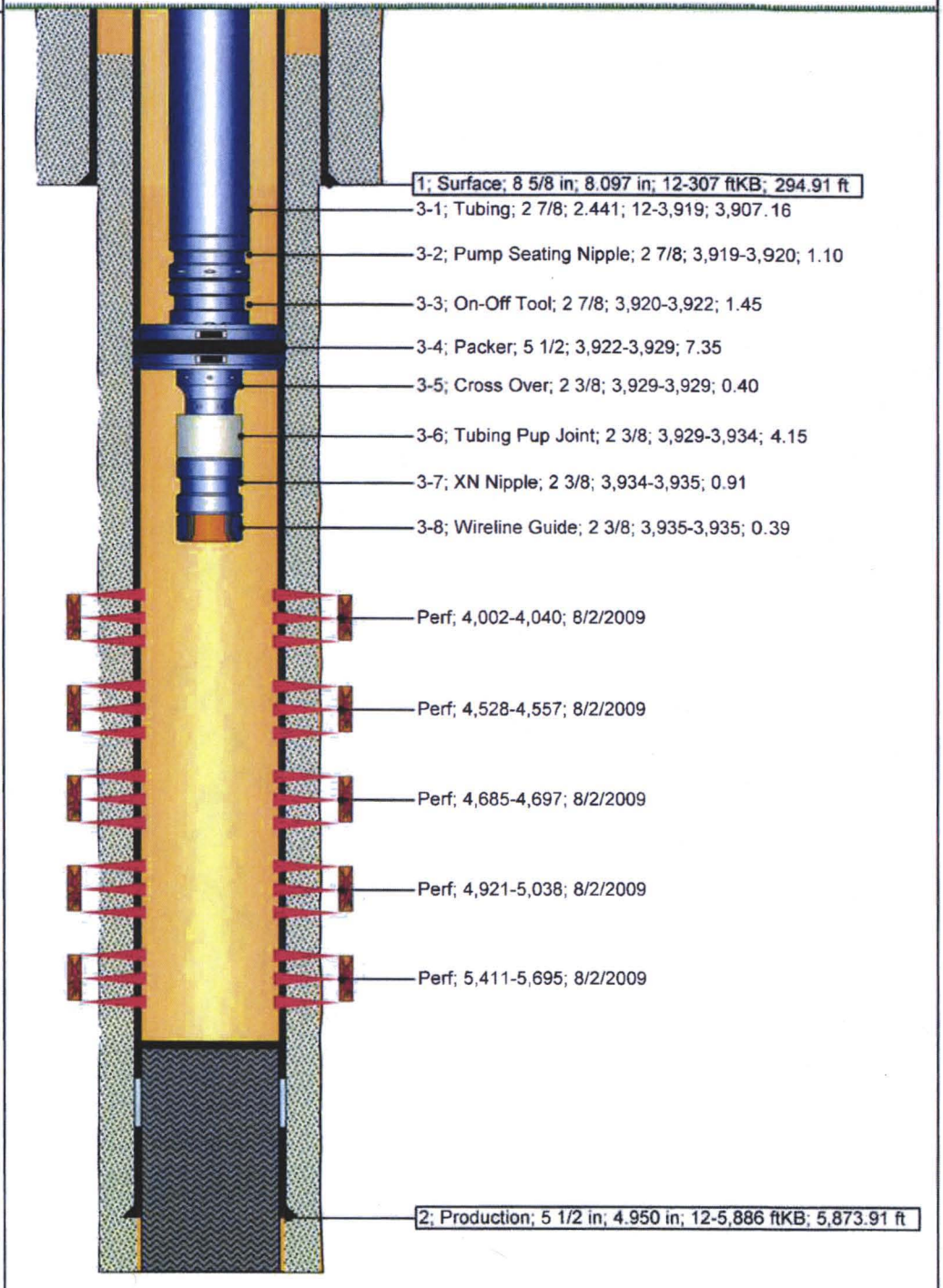
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Conversion	Basic	8/1/2014	8/5/2014

TD: 5,890.0

Vertical - Original Hole, 8/6/2014 8:14:02 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	DLS (°...
12.1				
160.1				
268.0				
306.1				
307.1				
3,919.3				
3,920.3				
3,921.6				
3,929.1				
3,929.5				
3,933.7				
3,934.4				
3,935.0				
4,002.0				
4,040.0				
4,527.9				
4,557.1				
4,685.0				
4,696.9				
4,920.9				
5,038.1				
5,411.1				
5,694.9				
5,845.1				
5,845.5				
5,846.1				
5,885.5				
5,886.2				
5,890.1				

Vertical schematic (actual)



NEWFIELD

Schematic

43-013-52337

Well Name: GMBU Q-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SWSW 843 FSL 716 FWL Sec 21 T9S R16E	43013523370000	500346456	UTU74392	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
3/18/2014	3/21/2014	4/17/2014	6,120	6,110	Original Hole - 6,031.4	Original Hole - 6,100.0

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Other	N/A	7/21/2014	7/24/2014

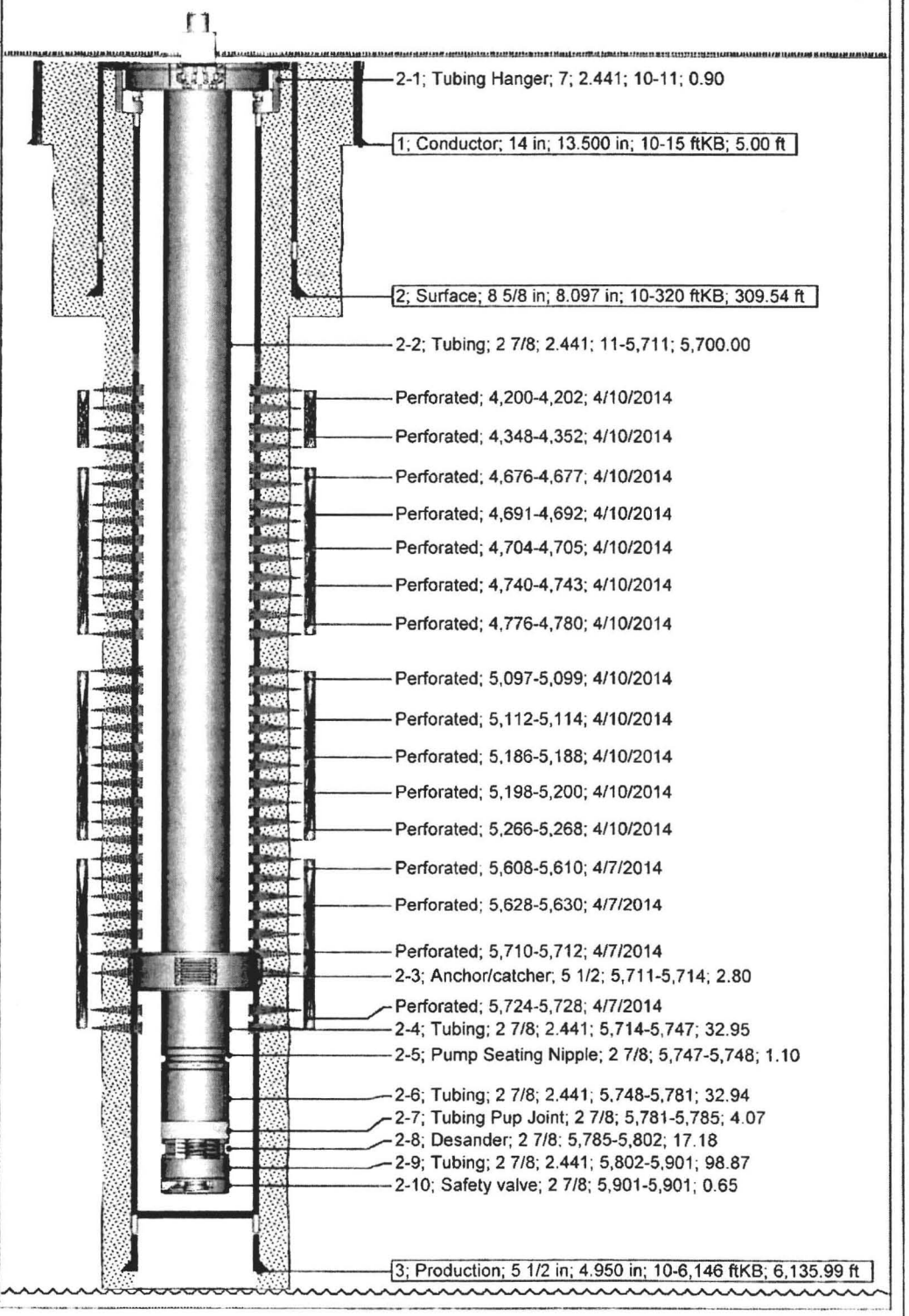
TD: 6,158.0

Slant - Original Hole, 11/9/2015 8:41:20 AM

MD (ftKB)	TVD (ftKB)	Incl (°)
5.9	6 0	1.5
10.2	10 2	1.5
12.1	12 2	1.5
15.1	15.2	1.5
40.0	40 1	1.5
54.1	54 2	1.5
274.0	273.9	1.5
319.6	319 5	1.5
1,848 1	1,827 8	12.9
3,428.1	3,366 7	15.5
4,202.1	4,120.4	11.1
4,352.0	4,267 4	11.6
4,676.8	4,585.6	11.6
4,691.9	4,600 4	11.9
4,705 1	4,613 2	12.1
4,743.1	4,650 3	12.9
4,779.9	4,686 1	13.4
5,097.1	4,996 2	10.7
5,111.9	5,010 7	10.7
5,186.0	5,083 7	10.2
5,198.2	5,095.6	10.3
5,266.1	5,162.4	11.0
5,607.9	5,496 1	14.7
5,628.0	5,515 5	15.0
5,710.0	5,594 8	14.5
5,711.9	5,596 7	14.4
5,724.1	5,608 4	14.3
5,746.7	5,630.4	14.0
5,748.0	5,631 7	14.0
5,780.8	5,663 5	13.6
5,801.8	5,683 9	13.4
5,901.6	5,781.0	13.5
6,101.7	5,976 3	12.0
6,146.0	6,019 7	11.9

DLS (°... 0 — 3

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU Q-21-9-16

Surface Legal Location	API/UWI	Lease
SWSW 843 FSL 716 FWL Sec 21 T9S R16E	43013523370000	UTU74392

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
3/7/2014	3/18/2014	3/21/2014	4/17/2014

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,120	6,110	6,158.0	Original Hole - 6,031.4	Original Hole - 6,100.0

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	3/7/2014	14	13.500	36.75	H-40	15
Surface	3/7/2014	8 5/8	8.097	24.00	J-55	320
Production	3/21/2014	5 1/2	4.950	15.50	J-55	6,146

Cement

String: Surface, 320ftKB 3/10/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
ProPetro	10.0	330.0	Yes	8.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/ ProPetro w/190 sx of 15.8 # 1.17 yield G Neat cement returned 8 bbls back to pit and bumped plug to 350 psi.	Lead	190	G	10.0

String: Production, 6,146ftKB 3/21/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	10.0	6,158.0	Yes	70.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem system 5lbmKol-seal,.25lbm poly flake 1lbmGranulile TR	Lead	270	G	10.0
Expandacem system, 1lbmGranulite TR 1/4, 50 lb sk, 2lbm KOL-Seal bulk, tuff fiber	tail	480	G	3,661.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	7/24/2014	5,901.5

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441			0.90	10.0	10.9
Tubing	173	2 7/8	2.441	6.50	J-55	5,700.00	10.9	5,710.9
Anchor/catcher	1	5 1/2				2.80	5,710.9	5,713.7
Tubing	1	2 7/8	2.441	6.50	J-55	32.95	5,713.7	5,746.7
Pump Seating Nipple	1	2 7/8				1.10	5,746.7	5,747.8
Tubing	1	2 7/8	2.441	6.50	J-55	32.94	5,747.8	5,780.7
Tubing Pup Joint	4	2 7/8				4.07	5,780.7	5,784.8
Desander	1	2 7/8				17.18	5,784.8	5,802.0
Tubing	3	2 7/8	2.441	6.50	J-55	98.87	5,802.0	5,900.9
Safety valve	1	2 7/8				0.65	5,900.9	5,901.5

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	7/24/2014	5,768.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	7/8		KD	2.00	4.0	6.0
Polished Rod	1	1 1/2			30.00	6.0	36.0
Pony Rod	1	7/8		D	4.00	36.0	40.0
Pony Rod	1	7/8		D	8.00	40.0	48.0
Rod Guide - 4 per	72	7/8		D	1,800.00	48.0	1,848.0
Rod Guide - 4 per	126	3/4		D	3,150.00	1,848.0	4,998.0
Rod Guide - 4 per	30	7/8		D	750.00	4,998.0	5,748.0
1 3/4" Rod Insert Pump	1	2 1/2			20.00	5,748.0	5,768.0

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	PB-8, Original Hole	4,200	4,202	2	120	0.340	4/10/2014
4	PB-8, Original Hole	4,348	4,352	2	120	0.340	4/10/2014
3	D-1, Original Hole	4,676	4,677	2	120	0.340	4/10/2014
3	D-1, Original Hole	4,691	4,692	2	120	0.340	4/10/2014
3	D-1, Original Hole	4,704	4,705	2	120	0.340	4/10/2014
3	D-2, Original Hole	4,740	4,743	2	120	0.340	4/10/2014
3	D-3, Original Hole	4,776	4,780	2	120	0.340	4/10/2014
2	A-1, Original Hole	5,097	5,099	2	120	0.340	4/10/2014
2	A-1, Original Hole	5,112	5,114	2	120	0.340	4/10/2014

NEWFIELD

Newfield Wellbore Diagram Data
GMBU Q-21-9-16

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
2	LODC, Original Hole	5,186	5,188	2	120	0.340	4/10/2014
2	LODC, Original Hole	5,198	5,200	2	120	0.340	4/10/2014
2	LODC, Original Hole	5,266	5,268	2	120	0.340	4/10/2014
1	CP-1, Original Hole	5,608	5,610	2	120	0.340	4/7/2014
1	CP-1, Original Hole	5,628	5,630	2	120	0.340	4/7/2014
1	CP-2, Original Hole	5,710	5,712	2	120	0.340	4/7/2014
1	CP-2, Original Hole	5,724	5,728	2	120	0.340	4/7/2014

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,118	0.826	40.8	3,093	1336	1516	1336
2	2,160	0.869	40.7	3,482	951	1067	951
3	1,940	0.863	40.8	2,833	1344	1525	1344
4	1,712	0.853	30.9	3,147	656	730	656

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	170,300	Main White Sand 170300 lbs
2	115,300	Main White Sand 115300 lbs
3	175,300	Main White Sand 175300 lbs
4	72,220	Main White Sand 72220 lbs

NEWFIELD

Schematic

43-013-52338

Well Name: GMBU D-28-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SWSW 829 FSL 700 FWL Sec 21 T9S R16E	43013523380000	500346442	UTU74392	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
3/6/2014	3/18/2014	4/17/2014	6,120	6,110	Original Hole - 5,985.4	Original Hole - 6,066.5

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	4/7/2014	4/14/2014

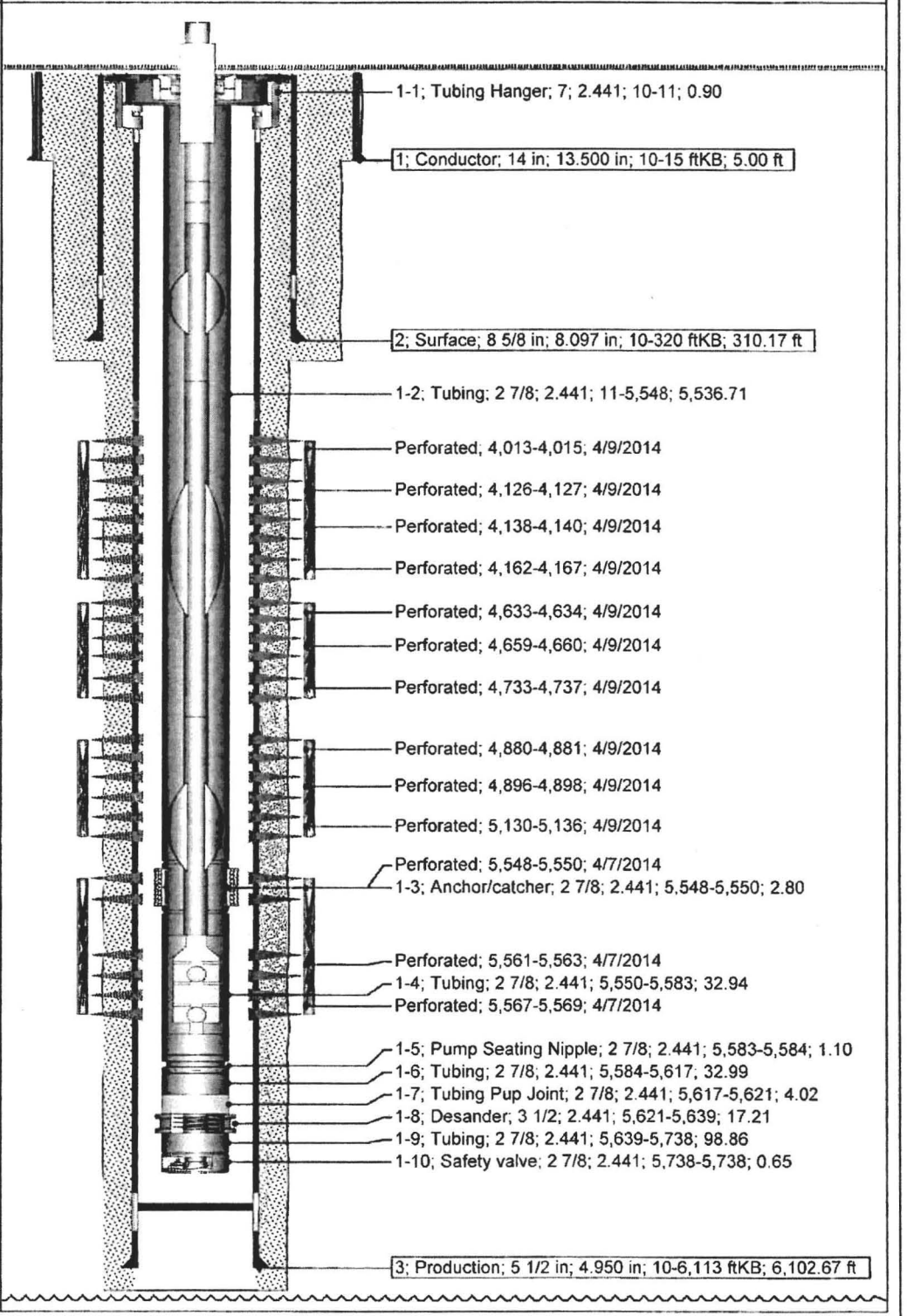
TD: 6,119.0

Slant - Original Hole, 11/9/2015 8:42:08 AM

MD (ftKB)	TVD (ftKB)	Incl (°)
-16.1	-16.0	1.3
10.2	10.2	1.3
12.1	12.2	1.3
15.1	15.1	1.3
22.0	22.0	1.3
53.8	53.9	1.3
274.6	274.6	1.3
318.6	318.5	1.3
330.1	330.0	1.3
3,384.8	3,318.2	15.6
4,013.1	3,927.4	12.5
4,126.0	4,037.7	11.9
4,138.1	4,049.6	11.9
4,162.1	4,073.1	11.7
4,632.9	4,534.5	11.9
4,659.1	4,560.2	12.0
4,732.9	4,632.3	12.4
4,805.1	4,702.8	12.3
4,880.9	4,776.9	12.1
4,898.0	4,793.6	12.1
5,136.2	5,026.4	12.6
5,547.9	5,426.9	13.7
5,550.5	5,429.4	13.7
5,561.0	5,439.6	13.6
5,566.9	5,445.4	13.6
5,579.1	5,457.2	13.5
5,584.3	5,462.3	13.4
5,621.4	5,498.4	13.1
5,737.5	5,611.7	12.0
6,066.3	5,933.6	10.9
6,067.9	5,935.2	10.9
6,112.9	5,979.4	10.9

DLS (°... 0 — 5

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU D-28-9-16

Surface Legal Location	API/UWI	Lease
SWSW 829 FSL 700 FWL Sec 21 T9S R16E	43013523380000	UTU74392

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
3/6/2014	3/6/2014	3/18/2014	4/17/2014

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,120	6,110	6,119.0	Original Hole - 5,985.4	Original Hole - 6,066.5

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	3/6/2014	14	13.500	36.75	H-40	15
Surface	3/6/2014	8 5/8	8.097	24.00	J-55	320
Production	3/18/2014	5 1/2	4.950	15.50	J-55	6,113

Cement

String: Surface, 320ftKB 3/10/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
ProPetro	10.0	330.0	Yes	8.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/ ProPetro w/190 sx of 15.8 # 1.17 yield G Neat cement returned 8 bbls back to pit and bumped plug to 350 psi.	Lead	190	G	10.0

String: Production, 6,113ftKB 3/18/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	10.0	6,119.0	Yes	81.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem system 5lbmKol-seal,.25lbm poly flake 1lbmGranulile TR	Lead	270	G	10.0
Expandacem system, 1lbmGranulite TR 1/4, 50 lb sk, 2lbm KOL-Seal bulk, tuff fiber	Tail	480	G	3,609.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	4/14/2014	5,738.2

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441	6.50	J-55	0.90	10.0	10.9
Tubing	168	2 7/8	2.441	6.50	J-55	5,536.71	10.9	5,547.6
Anchor/catcher	1	2 7/8	2.441	6.50	J-55	2.80	5,547.6	5,550.4
Tubing	1	2 7/8	2.441	6.50	J-55	32.94	5,550.4	5,583.4
Pump Seating Nipple	1	2 7/8	2.441	6.50	J-55	1.10	5,583.4	5,584.5
Tubing	1	2 7/8	2.441	6.50	J-55	32.99	5,584.5	5,617.5
Tubing Pup Joint	1	2 7/8	2.441	6.50	J-55	4.02	5,617.5	5,621.5
Desander	1	3 1/2	2.441	6.50	J-55	17.21	5,621.5	5,638.7
Tubing	3	2 7/8	2.441	6.50	J-55	98.86	5,638.7	5,737.6
Safety valve	1	2 7/8	2.441	6.50	J-55	0.65	5,737.6	5,738.2
Tubing	0	2 7/8	2.441	6.50	J-55	0.00	5,738.2	5,738.2

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	4/14/2014	5,579.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	1		D	2.00	-18.0	-16.0
Polished Rod	1	1 1/2		D	30.00	-16.0	14.0
Pony Rod	1	1		D	2.00	14.0	16.0
Pony Rod	1	1		D	6.00	16.0	22.0
Pony Rod	1	1		D	8.00	22.0	30.0
Scraper Rod	67	1	2.22	D	1,675.00	30.0	1,705.0
Scraper Rod	124	1	1.63	D	3,100.00	1,705.0	4,805.0
Scraper Rod	30	1	2.22	D	750.00	4,805.0	5,555.0
Rod Pump	1	2 1/2			24.00	5,555.0	5,579.0

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	GB-2, Original Hole	4,013	4,015	2	120	0.340	4/9/2014
4	GB-4, Original Hole	4,126	4,127	2	120	0.340	4/9/2014
4	GB-4, Original Hole	4,138	4,140	2	120	0.340	4/9/2014
4	GB-6, Original Hole	4,162	4,167	2	120	0.340	4/9/2014
3	D-1, Original Hole	4,633	4,634	2	120	0.340	4/9/2014
3	D-1, Original Hole	4,659	4,660	2	120	0.340	4/9/2014
3	D-3, Original Hole	4,733	4,737	2	120	0.340	4/9/2014

NEWFIELD

Newfield Wellbore Diagram Data
GMBU D-28-9-16

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
2	B-1, Original Hole	4,880	4,881	2	120	0.340	4/9/2014
2	B-1, Original Hole	4,896	4,898	2	120	0.340	4/9/2014
2	LODC, Original Hole	5,130	5,136	2	120	0.340	4/9/2014
1	CP-1, Original Hole	5,548	5,550	2	120	0.340	4/7/2014
1	CP-1, Original Hole	5,561	5,563	2	120	0.340	4/7/2014
1	CP-1, Original Hole	5,567	5,569	2	120	0.340	4/7/2014

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,378	0.88	26.1	3,502	451	476	451
2	2,109	0.874	36.4	3,177	628	689	628
3	1,797	0.836	36.4	3,794	767	860	767
4	1,463	0.81	44.9	2,612	941	1063	941

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	29,100	Main White Sand 29100 lbs
2	66,300	Main White Sand 66300 lbs
3	90,200	Main White Sand 90200 lbs
4	116,400	Main White Sand 116400 lbs

NEWFIELD

Schematic

43-013-52340

Well Name: GMBU M-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SENW 2107 FNL 1926 FWL Sec 21 T9S R16E Mer SLB	43013523400000	500346524	UTU64379	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
1/9/2014	1/25/2014		6,032	6,022	Original Hole - 5,832.9	Original Hole - 5,935.6

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Repairs	Pump Repair	4/4/2014	4/7/2014

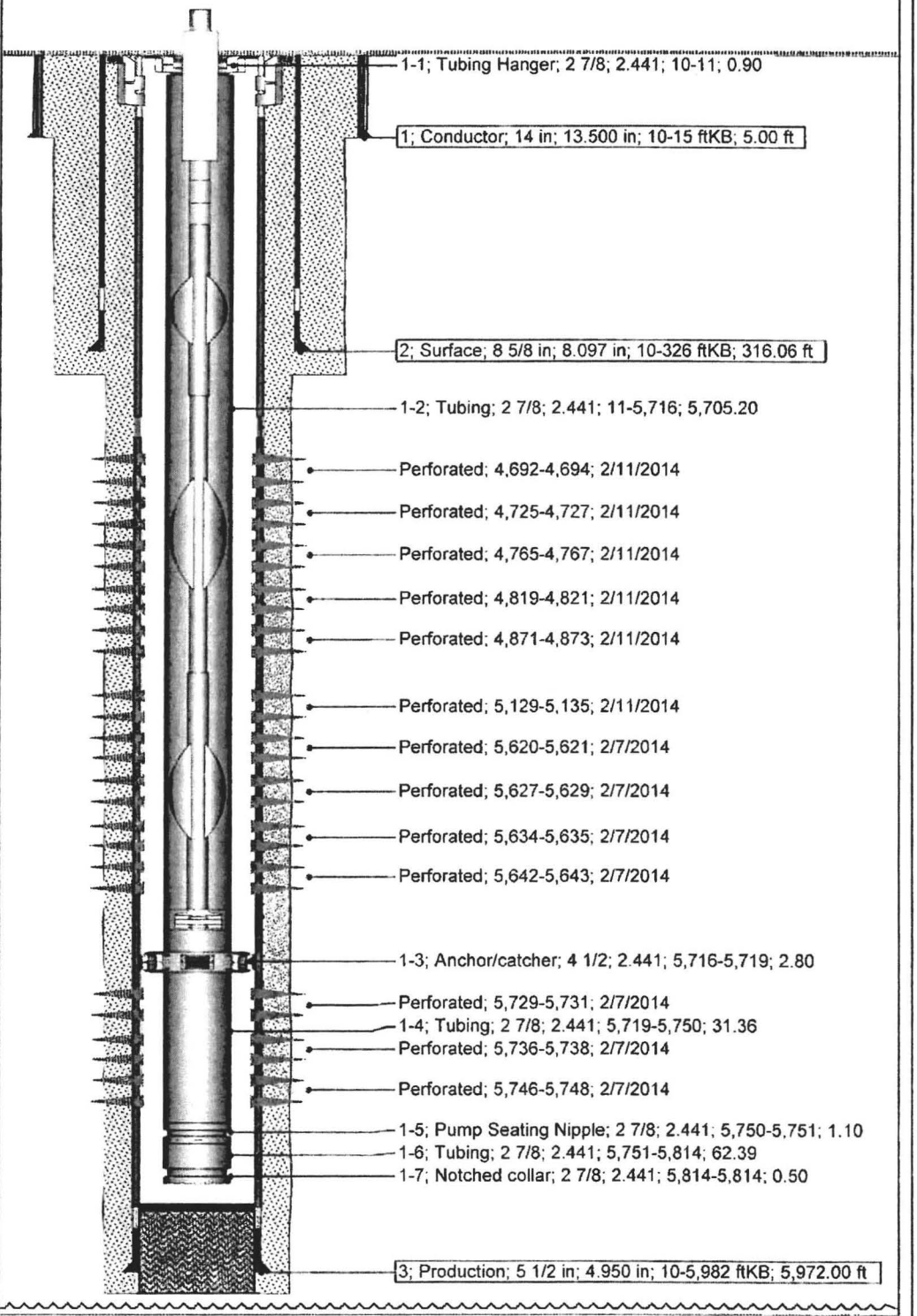
TD: 5,996.0

Slant - Original Hole, 11/9/2015 8:38:48 AM

MD (ftKB)	TVD (ftKB)	Incl (°)
2.0	2.0	0.0
10.8	10.8	0.0
14.1	14.1	0.0
32.2	32.2	0.1
38.1	38.1	0.1
54.5	54.5	0.1
278.2	278.2	0.6
324.5	324.5	0.7
331.0	331.0	0.7
3,465.9	3,380.6	18.3
4,691.9	4,562.7	15.7
4,725.1	4,594.7	15.2
4,765.1	4,633.4	14.7
4,818.9	4,685.4	14.6
4,871.1	4,735.9	14.9
4,894.0	4,758.1	14.6
5,134.8	4,991.4	14.6
5,621.1	5,465.8	12.7
5,628.9	5,473.5	12.8
5,634.8	5,479.2	12.9
5,643.0	5,487.2	13.0
5,668.0	5,511.5	13.1
5,718.8	5,561.1	12.6
5,731.0	5,573.0	12.6
5,737.9	5,579.7	12.5
5,748.0	5,589.6	12.5
5,751.3	5,592.8	12.4
5,814.3	5,654.4	11.7
5,937.3	5,775.1	10.5
5,982.0	5,819.1	10.0

DLS (°... 0 — 4

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU M-21-9-16

Surface Legal Location	API/UWI	Lease
SENW 2107 FNL 1926 FWL Sec 21 T9S R16E Mer SLB	43013523400000	UTU64379

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
1/9/2014	1/9/2014	1/25/2014	

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,032	6,022	5,996.0	Original Hole - 5,832.9	Original Hole - 5,935.6

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	1/9/2014	14	13.500	36.75	H-40	15
Surface	1/9/2014	8 5/8	8.097	24.00	J-55	326
Production	1/24/2014	5 1/2	4.950	15.50	J-55	5,982

Cement

String: Surface, 326ftKB 1/13/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
ProPetro	10.0	331.0	Yes	40.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/200 sx 15.8 # 1.17 yield G Neat cement and returned 10 bbls back to pit and bumped plug to 250 psi	Lead	200	G	10.0

String: Production, 5,982ftKB 1/24/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	10.0	5,996.0	Yes	72.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem- CMT standard type II/V, pozmix A flyash, Bentonite, enhancer, econolite, silicalite - compacted, D-air 5000, cal-seal 60, kol-seal, granulite tr 1/4, poly-e-flake	Lead	270	G	10.0
Expandacem - CMT standard type II/V, pozmix A flyash, bentonite, hald(r)- 413, halad(r) 322, silicalite - compacted, super cbl, granulite tr 1/4, kol-seal	Tail	440	G	3,638.0
Fresh water - Aldacide	Displacement			

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing - Production	2/14/2014	5,814.3

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	2 7/8	2.441	6.50	J-55	0.90	10.0	10.9
Tubing	182	2 7/8	2.441	6.50	J-55	5,705.20	10.9	5,716.1
Anchor/catcher	1	4 1/2	2.441	6.50	J-55	2.80	5,716.1	5,718.9
Tubing	1	2 7/8	2.441	6.50	J-55	31.36	5,718.9	5,750.3
Pump Seating Nipple	1	2 7/8	2.441	6.50	J-55	1.10	5,750.3	5,751.4
Tubing	2	2 7/8	2.441	6.50	J-55	62.39	5,751.4	5,813.8
Notched collar	1	2 7/8	2.441	6.50	J-55	0.50	5,813.8	5,814.3

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	4/7/2014	5,668.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	7/8		D	2.00	0.0	2.0
Polished Rod	1	1 1/2			30.00	2.0	32.0
Pony Rod	1	7/8		D	2.00	32.0	34.0
Pony Rod	1	7/8		D	4.00	34.0	38.0
Pony Rod	1	7/8		D	6.00	38.0	44.0
Rod Guide - 4 per	80	7/8		D	2,000.00	44.0	2,044.0
Rod Guide - 4 per	114	3/4		D	2,850.00	2,044.0	4,894.0
Rod Guide - 8 per	30	7/8		D	750.00	4,894.0	5,644.0
1 3/4" Rod Insert Pump	1	2 1/2			24.00	5,644.0	5,668.0

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	D-1, Original Hole	4,692	4,694	2	120	0.340	2/11/2014
3	D-1, Original Hole	4,725	4,727	2	120	0.340	2/11/2014
3	D-2, Original Hole	4,765	4,767	2	120	0.340	2/11/2014
3	D-3, Original Hole	4,819	4,821	2	120	0.340	2/11/2014
3	C-Sand, Original Hole	4,871	4,873	2	120	0.340	2/11/2014
2	A-3, Original Hole	5,129	5,135	3	120	0.340	2/11/2014
1	CP-1, Original Hole	5,620	5,621	2	120	0.340	2/7/2014
1	CP-1, Original Hole	5,627	5,629	2	120	0.340	2/7/2014

NEWFIELD

Newfield Wellbore Diagram Data
GMBU M-21-9-16

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
1	CP-1, Original Hole	5,634	5,635	2	120	0.340	2/7/2014
1	CP-1, Original Hole	5,642	5,643	2	120	0.340	2/7/2014
1	CP-3, Original Hole	5,729	5,731	2	120	0.340	2/7/2014
1	CP-3, Original Hole	5,736	5,738	2	120	0.340	2/7/2014
1	CP-3, Original Hole	5,746	5,748	2	120	0.340	2/7/2014

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,955	0.796	44.5	2,974	1530	1750	1750
2	2,410	0.922	36.1	2,926	753	846	846
3	1,575	0.782	40.7	2,383	1316	1489	1489

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	190,300	Main White Sand 190300 lbs
2	80,100	Main White Sand 80100 lbs
3	164,680	Main White Sand 164680 lbs

NEWFIELD

Schematic

43-013-52342

Well Name: GMBU N-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SENW 2113 FNL 1906 FWL Sec 21 T9S R16E Mer SLB	43013523420000	500346462	UTU64379	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
1/10/2014	1/21/2014		6,032	6,022	Original Hole - 5,841.8	Original Hole - 5,961.2

Most Recent Job

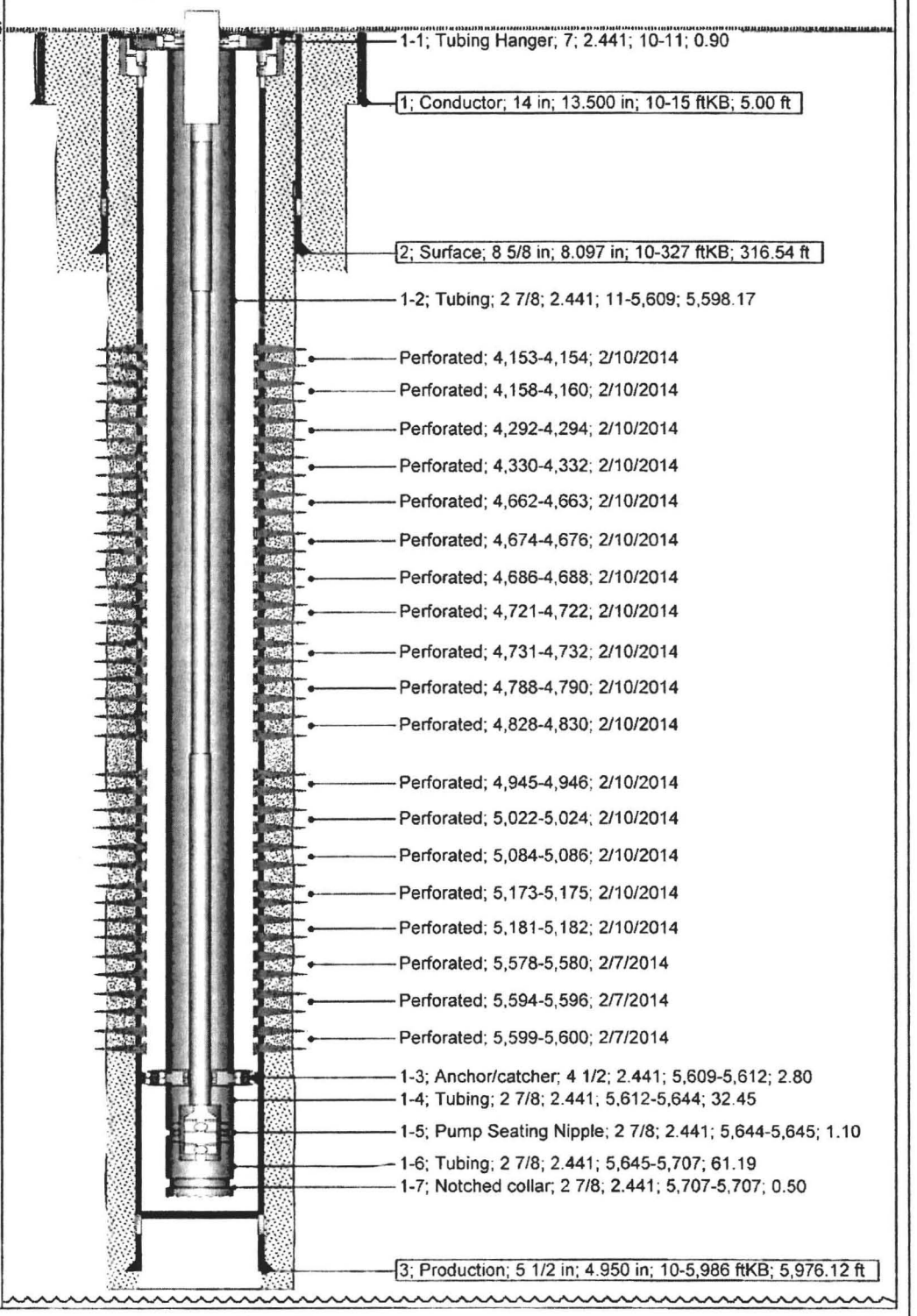
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/7/2014	2/13/2014

TD: 5,996.0

Slant - Original Hole, 11/9/2015 8:36:30 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS
9.8	9.9	1.1	DLS (°... 0——6
12.1	12.2	1.1	
15.1	15.1	1.1	
34.1	34.2	1.1	
250.0	250.0	1.1	
280.2	280.2	1.1	
326.4	326.4	1.1	
2,034.1	2,022.8	14.0	
3,428.5	3,360.0	16.6	
4,153.9	4,058.2	15.3	
4,160.1	4,064.3	15.2	
4,294.0	4,193.5	14.8	
4,332.0	4,230.3	14.3	
4,663.1	4,550.4	14.7	
4,675.9	4,562.7	14.8	
4,688.0	4,574.5	14.9	
4,722.1	4,607.4	15.1	
4,732.0	4,616.9	15.1	
4,790.0	4,673.0	14.8	
4,830.1	4,711.7	14.9	
4,944.9	4,822.6	15.0	
5,022.0	4,897.1	15.3	
5,084.0	4,956.8	15.7	
5,172.9	5,042.6	14.9	
5,181.1	5,050.6	14.9	
5,578.1	5,434.1	15.4	
5,594.2	5,449.6	15.4	
5,599.1	5,454.4	15.4	
5,608.9	5,463.9	15.3	
5,633.9	5,487.9	14.9	
5,645.3	5,499.0	14.7	
5,706.7	5,558.5	13.7	
5,961.3	5,807.7	10.3	
5,985.2	5,831.2	10.3	
5,996.1	5,841.9	10.3	

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU N-21-9-16

Surface Legal Location		API/UWI	Lease
SENW 2113 FNL 1906 FWL Sec 21 T9S R16E Mer SLB		43013523420000	UTU64379
County	**State/Province**	**Basin**	**Field Name**
Duchesne	Utah	Uintah Basin	GMBU CTB6
Well Start Date	**Spud Date**	**Final Rig Release Date**	**On Production Date**
1/10/2014	1/10/2014	1/21/2014	
Original KB Elevation (ft) / **Ground Elevation (ft)**	**Total Depth (ftKB)**	**Total Depth All (TVD) (ftKB)**	**PBTD (All) (ftKB)**
6,032 / 6,022	5,996.0	Original Hole - 5,841.8	Original Hole - 5,961.2

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	1/10/2014	14	13.500	36.75	H-40	15
Surface	1/10/2014	8 5/8	8.097	24.00	J-55	327
Production	1/20/2014	5 1/2	4.950	15.50	J-55	5,986

Cement

String: Surface, 327ftKB 1/13/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
ProPetro	10.0	331.0	Yes	8.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/200 sx of 15.8 # 1.17 yield G Neat Cement returned 8 bbls back to pit and bumped plug to 300 psi.	Lead	200	G	10.0

String: Production, 5,986ftKB 1/20/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	10.0	5,996.0	Yes	70.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem- CMT standard type II/V, pozmix A flyash, Bentonite, enhancer, econolite, silicalite - compacted, D-air 5000, cal-seal 60, kol-seal, granulite tr 1/4, poly-e-flake	Lead	270	G	10.0
Expandacem - CMT standard type II/V, pozmix A flyash, bentonite, hald(r)- 413, halad(r) 322, silicalite - compacted, super cbl, granulite tr 1/4, kol-seal	Tail	440	G	3,633.0
	Displacement			5,966.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing - Production	2/13/2014	5,707.1

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441	6.40	J-55	0.90	10.0	10.9
Tubing	174	2 7/8	2.441	6.40	J-55	5,598.17	10.9	5,609.1
Anchor/catcher	1	4 1/2	2.441	6.40	J-55	2.80	5,609.1	5,611.9
Tubing	1	2 7/8	2.441	6.40	J-55	32.45	5,611.9	5,644.3
Pump Seating Nipple	1	2 7/8	2.441	6.40	J-55	1.10	5,644.3	5,645.4
Tubing	2	2 7/8	2.441	6.40	J-55	61.19	5,645.4	5,706.6
Notched collar	1	2 7/8	2.441	6.40	J-55	0.50	5,706.6	5,707.1

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	2/13/2014	5,658.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/2		C	30.00	0.0	30.0
Pony Rod	1	7/8		C	4.00	30.0	34.0
Sucker Rod	80	7/8	2.22	C	2,000.00	34.0	2,034.0
Sucker Rod	114	3/4	1.63	C	2,850.00	2,034.0	4,884.0
Sucker Rod	30	7/8	2.22	C	750.00	4,884.0	5,634.0
Rod Pump	1	1 3/4			24.00	5,634.0	5,658.0

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	GB-4, Original Hole	4,153	4,154	3	120	0.340	2/10/2014
4	GB-4, Original Hole	4,158	4,160	3	120	0.340	2/10/2014
4	PB-7, Original Hole	4,292	4,294	3	120	0.340	2/10/2014
4	PB-8, Original Hole	4,330	4,332	3	120	0.340	2/10/2014
3	D-1, Original Hole	4,662	4,663	2	120	0.340	2/10/2014
3	D-1, Original Hole	4,674	4,676	2	120	0.340	2/10/2014
3	D-1, Original Hole	4,686	4,688	2	120	0.340	2/10/2014
3	D-2, Original Hole	4,721	4,722	2	120	0.340	2/10/2014
3	D-2, Original Hole	4,731	4,732	2	120	0.340	2/10/2014
3	D-3, Original Hole	4,788	4,790	2	120	0.340	2/10/2014
3	C-Sand, Original Hole	4,828	4,830	2	120	0.340	2/10/2014

NEWFIELD

Newfield Wellbore Diagram Data
GMBU N-21-9-16

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
2	B-2, Original Hole	4,945	4,946	2	120	0.340	2/10/2014
2	A-1, Original Hole	5,022	5,024	2	120	0.340	2/10/2014
2	A-3, Original Hole	5,084	5,086	2	120	0.340	2/10/2014
2	LODC, Original Hole	5,173	5,175	2	120	0.340	2/10/2014
2	LODC, Original Hole	5,181	5,182	2	120	0.340	2/10/2014
1	CP-1, Original Hole	5,578	5,580	3	120	0.340	2/7/2014
1	CP-1, Original Hole	5,594	5,596	3	120	0.340	2/7/2014
1	CP-1, Original Hole	5,599	5,600	3	120	0.340	2/7/2014

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,665	0.929	32.3	4,038	732	853	853
2	2,265	0.9	32.5	2,750	883	1014	1014
3	2,024	0.879	44.6	3,309	1918	2159	2159
4	1,912	0.903	42.4	3,142	441	448	448

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	85,000	Main White Sand 85000 lbs
2	110,000	Main White Sand 110000 lbs
3	205,200	Main White Sand 205200 lbs
4	34,800	Main White Sand 34800 lbs

NEWFIELD

Schematic

43-013-52513

Well Name: GMBU S-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
NWSE 2010 FSL 1788 FEL Sec 21 T9S R16E	43013525130000	500367176	UTU74392	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
10/3/2014	10/11/2014	11/7/2014	6,046	6,035	Original Hole - 6,005.2	Original Hole - 6,063.9

Most Recent Job

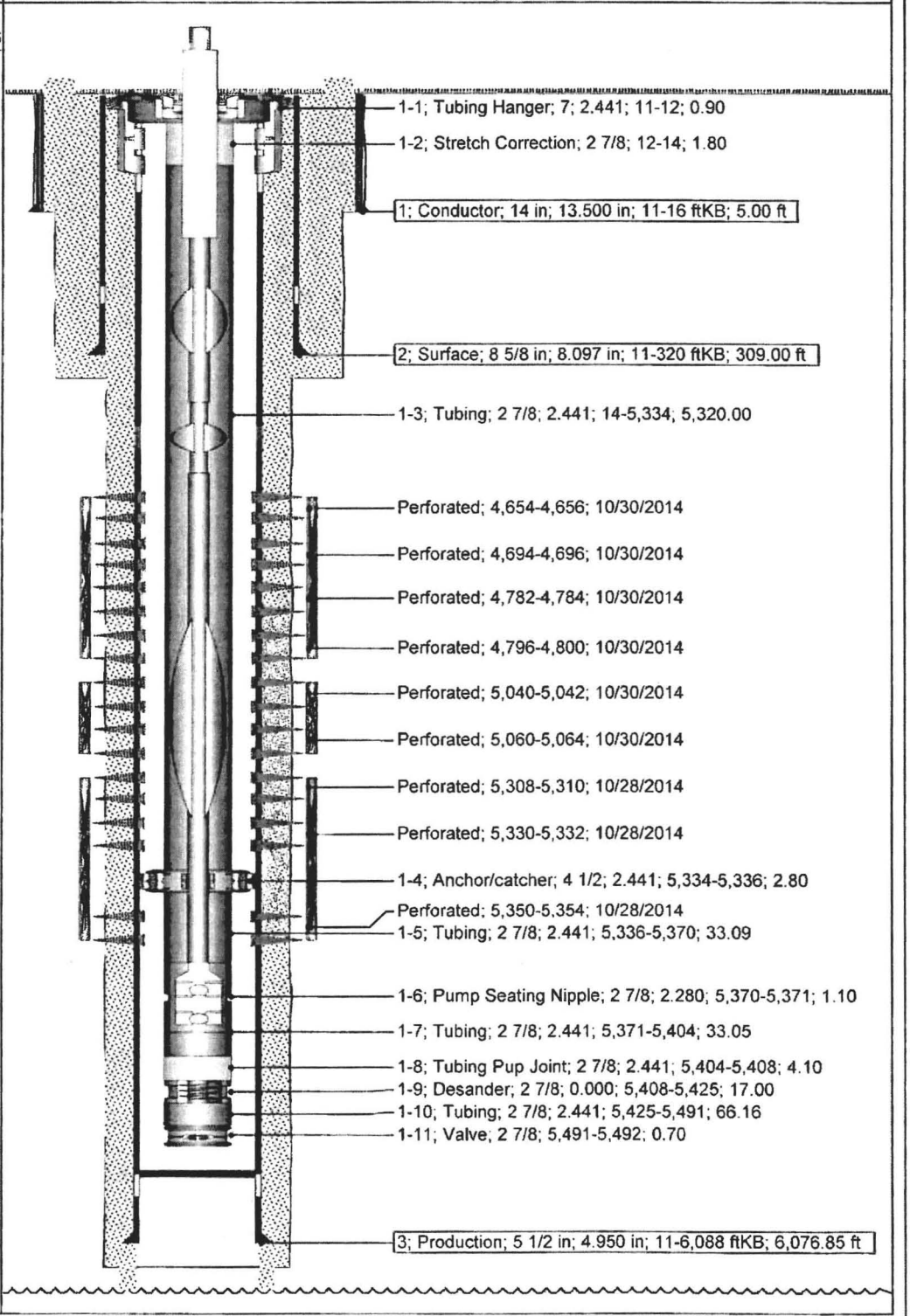
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	10/28/2014	11/4/2014

TD: 6,106.0

Slant - Original Hole, 11/9/2015 8:40:25 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS (°... 0 — 6)
-2 0	-1.9	1.5	
	0 1		
9.8	9 9	1.5	
	11 2		
11.8	11.9	1.5	
	12 9		
13.8	13 9	1.5	
	15.2		
16.1	16 2	1.5	
	29 9		
54 5	54.5	1.5	
	275.3		
276.2	276 2	1.5	
	318 5		
319 9	319 9	1.5	
	331 0		
1,758 5	1 741 6	11.2	
	3,289 1		
3,350.4	3 299.0	13.0	
	4,538.4		
4,653.9	4,577.4	11.1	
	4,579 3		
4,693.9	4,616 6	11.1	
	4,618 6		
4,782.2	4,703 2	11.4	
	4,705.1		
4,795.9	4 716 7	11.4	
	4 720 6		
5,040.0	4 956.8	9.9	
	4,958.8		
5,060.0	4,976 6	10.0	
	4,980 4		
5,308.1	5,221.1	9.6	
	5,223.1		
5,330.1	5,242.8	10.1	
	5,244.7		
5,333.7	5,246 3	10.3	
	5,249 2		
5,350.1	5,262 4	11.2	
	5,266 3		
5,365.8	5,277.9	12.0	
	5 281 7		
5,370.7	5,282 7	12.3	
	5,299 3		
5,403.9	5,315 0	13.3	
	5 318.8		
5,424 9	5 335 5	13.5	
	5 400.0		
5,491 8	5 400 6	12.9	
	5 963 4		
6,065.6	5,965 1	6.8	
	5 986 6		
6,087.9	5 987 2	6.8	
	6 005 1		
6,107.0	6 006 1	6.8	

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU S-21-9-16

Surface Legal Location	API/UWI	Lease
NWSE 2010 FSL 1788 FEL Sec 21 T9S R16E	43013525130000	UTU74392

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
10/3/2014	10/3/2014	10/11/2014	11/7/2014

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,046	6,035	6,106.0	Original Hole - 6,005.2	Original Hole - 6,063.9

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	10/3/2014	14	13.500	36.75	H-40	16
Surface	10/3/2014	8 5/8	8.097	24.00	J-55	320
Production	10/11/2014	5 1/2	4.950	15.50	J-55	6,088

Cement

String: Surface, 320ftKB 10/6/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	331.0	Yes	6.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/Halliburton w/155 sx of 15.8 # 1.19 yield G Neat cement returned 6 to pit and bumped plug to 774 psi.	Lead	155	G	11.0

String: Production, 6,088ftKB 10/11/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	10.0	6,107.0	Yes	60.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem system 5lbmKol-seal,.25lbm poly flake 1lbmGranulile TR	Lead	270	G	10.0
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Expandacem system, 1lbmGranulite TR 1/4, .3% H-800.	Tail	470	G	3,827.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	11/3/2014	5,491.7

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441			0.90	11.0	11.9
Stretch Correction	1	2 7/8				1.80	11.9	13.7
Tubing	161	2 7/8	2.441	6.50	J-55	5,320.00	13.7	5,333.7
Anchor/catcher	1	4 1/2	2.441			2.80	5,333.7	5,336.5
Tubing	1	2 7/8	2.441	6.50	J-55	33.09	5,336.5	5,369.6
Pump Seating Nipple	1	2 7/8	2.280			1.10	5,369.6	5,370.7
Tubing	1	2 7/8	2.441	6.50	J-55	33.05	5,370.7	5,403.7
Tubing Pup Joint	1	2 7/8	2.441	6.50	N-80	4.10	5,403.7	5,407.8
Desander	1	2 7/8	0.000			17.00	5,407.8	5,424.8
Tubing	2	2 7/8	2.441	6.50	J-55	66.16	5,424.8	5,491.0
Valve	1	2 7/8				0.70	5,491.0	5,491.7

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	11/4/2014	5,387.7

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	7/8		D	2.00	-2.0	0.0
Polished Rod	1	1 1/2			30.00	0.0	30.0
Rod Guide - 4 per	69	7/8	2.22	D	1,728.45	30.0	1,758.5
Rod Guide - 4 per	114	3/4	1.63	D	2,855.70	1,758.5	4,614.2
Rod Guide - 8 per	30	7/8	2.22	D	751.50	4,614.2	5,365.7
Rod Insert Pump	1	2 1/2			22.00	5,365.7	5,387.7

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	D-1, Original Hole	4,654	4,656	2	180	0.340	10/30/2014
3	D-2, Original Hole	4,694	4,696	2	180	0.340	10/30/2014
3	C-Sand, Original Hole	4,782	4,784	2	180	0.340	10/30/2014
3	C-Sand, Original Hole	4,796	4,800	2	180	0.340	10/30/2014
2	A-1, Original Hole	5,040	5,042	2	180	0.340	10/30/2014
2	A-1, Original Hole	5,060	5,064	2	180	0.340	10/30/2014
1	LBLKSH, Original Hole	5,308	5,310	2	180	0.340	10/28/2014
1	LBLKSH, Original Hole	5,330	5,332	2	180	0.340	10/28/2014
1	LBLKSH, Original Hole	5,350	5,354	2	180	0.340	10/28/2014

NEWFIELD

Newfield Wellbore Diagram Data
GMBU S-21-9-16

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,613	0.924	32.4	3,232	945	1032	945
2	2,205	0.87	32.5	3,347	689	763	689
3	2,000	0.857	36.3	4,041	981	1113	981

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	107,000	Main White Sand 107000 lbs
2	80,000	Main White Sand 80000 lbs
3	130,000	Main White Sand 130000 lbs

NEWFIELD

Schematic

43-013-52494

Well Name: GMBU P-22-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SESE 657 FSL 813 FEL Sec 21 T9S R16E	43013524940000	500385699	UTU74392	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
9/16/2014	10/8/2014	10/31/2014	6,042	6,031	Original Hole - 5,985.7	Original Hole - 6,155.6

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	10/23/2014	10/31/2014

TD: 6,212.0

Slant - Original Hole, 11/9/2015 8:43:08 AM

MD (ftKB)	TVD (ftKB)	Incl (°)
-2.0	-2.0	0.0
	0.0	
11.2	11.2	0.0
	11.8	
13.5	13.5	0.0
	13.8	
15.1	15.1	0.0
	29.9	
49.9	49.9	0.1
	283.5	
284.4	284.4	0.5
	318.6	
319.9	319.9	0.6
	331.0	
1,783.5	1,765.3	15.4
	3,377.3	
3,490.2	3,388.0	17.0
	3,965.3	
4,094.2	3,967.5	16.7
	4,076.4	
4,211.9	4,080.2	17.4
	4,344.7	
4,735.9	4,581.8	16.4
	4,582.7	
4,854.0	4,694.8	17.5
	4,696.7	
4,903.9	4,742.3	18.2
	4,746.3	
5,024.0	4,856.6	17.4
	4,858.5	
5,168.0	4,994.1	17.6
	4,996.0	
5,191.9	5,016.9	18.0
	5,020.7	
5,206.0	5,030.4	18.1
	5,032.8	
5,240.5	5,063.1	18.1
	5,064.4	
5,242.8	5,065.3	18.1
	5,084.0	
5,275.9	5,096.8	17.7
	5,100.9	
5,297.2	5,117.1	17.7
	5,179.9	
5,364.2	5,180.9	17.7
	5,931.9	
6,157.5	5,933.8	17.9
	5,975.3	
6,202.1	5,976.3	17.9
	5,985.6	

DLS (°... 0 — 3

Vertical schematic (actual)

1-1; Tubing Hanger; 7; 2.441; 11-12; 0.90

1-2; Stretch Correction; 2 7/8; 2.441; 12-14; 1.72

1; Conductor; 14 in; 13.500 in; 11-15 ftKB; 4.00 ft

2; Surface; 8 5/8 in; 8.097 in; 11-320 ftKB; 308.80 ft

1-3; Tubing; 2 7/8; 2.441; 14-5,206; 5,192.31

Perforated; 4,092-4,094; 10/27/2014

Perforated; 4,208-4,212; 10/27/2014

Perforated; 4,736-4,737; 10/27/2014

Perforated; 4,854-4,856; 10/27/2014

Perforated; 4,904-4,908; 10/27/2014

Perforated; 5,024-5,026; 10/23/2014

Perforated; 5,168-5,170; 10/23/2014

Perforated; 5,192-5,196; 10/23/2014

1-4; Anchor/catcher; 4 1/2; 2.441; 5,206-5,209; 2.80

1-5; Tubing; 2 7/8; 2.441; 5,209-5,242; 33.07

1-6; Pump Seating Nipple; 2 7/8; 2.280; 5,242-5,243; 1.10

1-7; Tubing; 2 7/8; 2.441; 5,243-5,276; 33.03

1-8; Tubing Pup Joint; 2 7/8; 2.441; 5,276-5,280; 4.10

1-9; Desander; 3 1/2; 0.000; 5,280-5,297; 17.12

1-10; Tubing; 2 7/8; 2.441; 5,297-5,363; 66.12

1-11; Valve; 2 7/8; 0.000; 5,363-5,364; 0.80

3; Production; 5 1/2 in; 4.950 in; 11-6,202 ftKB; 6,190.91 ft

NEWFIELD

Newfield Wellbore Diagram Data
GMBU P-22-9-16

Surface Legal Location	API/UWI	Lease
SESE 657 FSL 813 FEL Sec 21 T9S R16E	43013524940000	UTU74392

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
9/16/2014	9/16/2014	10/8/2014	10/31/2014

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,042	6,031	6,212.0	Original Hole - 5,985.7	Original Hole - 6,155.6

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	9/16/2014	14	13.500	36.75	H-40	15
Surface	9/16/2014	8 5/8	8.097	24.00	J-55	320
Production	10/8/2014	5 1/2	4.950	15.50	J-55	6,202

Cement

String: Surface, 320ftKB 9/17/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	331.0	No	6.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/Halliburton w/155 sx 15.8 # 1.19 yield Returned 6 bbls back to pit and bumped plug to 850 psi.	Lead	155	G	11.0

String: Production, 6,202ftKB 10/8/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	6,212.0	Yes	71.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem system 5lbmKol-seal,.25lbm poly flake 1lbmGranulile TR	Lead	270	G	11.0
Expandacem system, 1lbmGranulite TR 1/4, .3% H-800.	Tail	480	G	3,710.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	10/31/2014	5,364.1

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441			0.90	11.0	11.9
Stretch Correction		2 7/8	2.441			1.72	11.9	13.6
Tubing	157	2 7/8	2.441	6.50	J-55	5,192.31	13.6	5,205.9
Anchor/catcher	1	4 1/2	2.441			2.80	5,205.9	5,208.7
Tubing	1	2 7/8	2.441	6.50	J-55	33.07	5,208.7	5,241.8
Pump Seating Nipple	1	2 7/8	2.280			1.10	5,241.8	5,242.9
Tubing	1	2 7/8	2.441	6.50	J-55	33.03	5,242.9	5,275.9
Tubing Pup Joint	1	2 7/8	2.441	6.50	N-80	4.10	5,275.9	5,280.0
Desander	1	3 1/2	0.000			17.12	5,280.0	5,297.2
Tubing	2	2 7/8	2.441	6.50	J-55	66.12	5,297.2	5,363.3
Valve	1	2 7/8	0.000			0.80	5,363.3	5,364.1

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	10/31/2014	5,262.4

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	7/8		D	2.00	-2.0	0.0
Polished Rod	1	1 1/2			30.00	0.0	30.0
Rod Guide - 4 per	70	7/8	2.22	D	1,753.50	30.0	1,783.5
Rod Guide - 4 per	108	3/4	1.63	D	2,705.40	1,783.5	4,488.9
Rod Guide - 8 per	30	7/8	2.22	D	751.50	4,488.9	5,240.4
Rod Insert Pump	1	2 1/2			22.00	5,240.4	5,262.4

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	GB-2, Original Hole	4,092	4,094	2	180	0.340	10/27/2014
3	GB-6, Original Hole	4,208	4,212	2	180	0.340	10/27/2014
2	D-1, Original Hole	4,736	4,737	2	180	0.340	10/27/2014
2	D-3, Original Hole	4,854	4,856	2	180	0.340	10/27/2014
2	C-Sand, Original Hole	4,904	4,908	2	180	0.340	10/27/2014
1	B-1, Original Hole	5,024	5,026	2	180	0.340	10/23/2014
1	A-1, Original Hole	5,168	5,170	2	180	0.340	10/23/2014
1	A-1, Original Hole	5,192	5,196	2	180	0.340	10/23/2014

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,162	0.857	36.6	3,475	740	828	740

NEWFIELD

Newfield Wellbore Diagram Data
GMBU P-22-9-16

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
2	1,920	0.832	36.3	2,867	792	861	792
3	1,745	0.854	31.1	3,219	680	826	680

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	85,500	Main White Sand 85500 lbs
2	97,900	Main White Sand 97900 lbs
3	91,620	Main White Sand 91620 lbs

NEWFIELD

Schematic

43-013-52514

Well Name: GMBU L-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
NWSE 2026 FSL 1774 FEL Sec 21 T9S R16E	43013525140000	500366941	UTU74392	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
10/4/2014	10/14/2014	11/7/2014	6,046	6,035	Original Hole - 5,892.9	Original Hole - 5,957.6

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	10/28/2014	11/7/2014

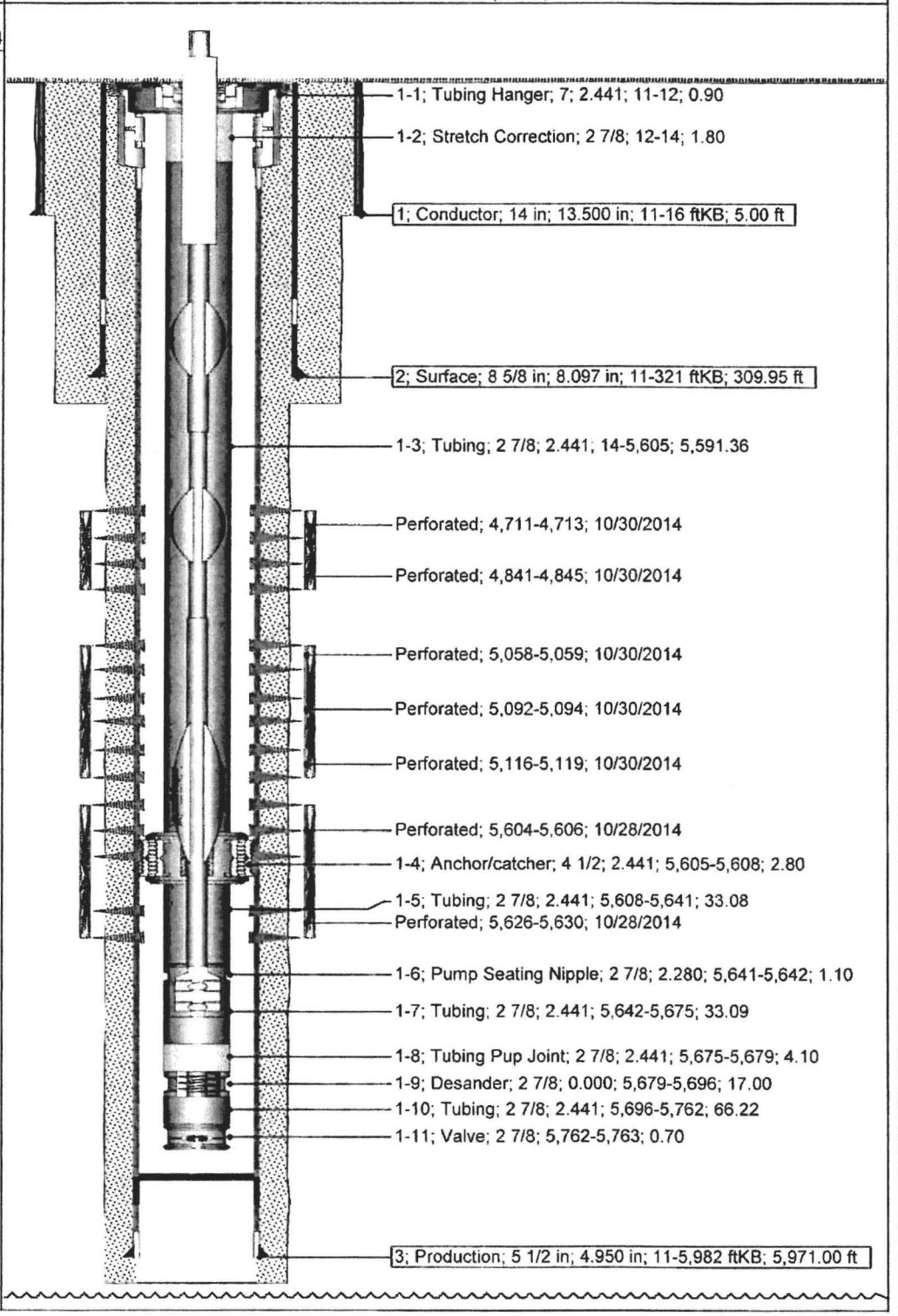
TD: 6,000.0

Slant - Original Hole, 11/9/2015 8:39:35 AM

MD (ftKB)	TVD (ftKB)	Incl (°)
-2.0	-1.9	0.8
0.0	0.0	
11.2	11.2	0.8
11.8	11.8	
12.8	12.8	0.8
13.8	13.8	
15.1	15.1	0.8
16.1	16.1	
29.9	29.9	0.8
54.8	54.8	
274.9	274.9	0.8
275.9	275.9	
319.6	319.5	0.8
320.9	320.9	
326.1	326.1	0.8
1,908.8	1,892.6	
3,418.6	3,369.8	14.3
3,429.1	3,380.0	
4,711.0	4,634.8	11.0
4,712.9	4,636.7	
4,840.9	4,762.4	10.6
4,845.1	4,766.6	
4,889.8	4,810.4	11.1
5,058.1	4,975.4	
5,059.1	4,976.4	11.7
5,091.9	5,008.4	
5,094.2	5,010.7	12.4
5,116.1	5,032.2	
5,119.1	5,035.0	12.6
5,604.0	5,506.6	
5,605.0	5,507.5	14.2
5,606.0	5,508.5	
5,607.9	5,510.4	14.2
5,626.0	5,527.9	
5,629.9	5,531.7	14.2
5,641.1	5,542.5	
5,642.1	5,543.5	14.2
5,663.1	5,563.8	
5,675.2	5,575.6	13.8
5,679.1	5,579.5	
5,696.2	5,596.0	13.5
5,762.5	5,660.5	
5,763.1	5,661.2	13.0
5,957.7	5,851.4	
5,958.3	5,852.0	11.3
5,980.3	5,873.6	
5,982.0	5,875.2	11.3
6,000.0	5,892.9	

DLS (°... 0 —— 4

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU L-21-9-16

Surface Legal Location	API/UWI	Lease
NWSE 2026 FSL 1774 FEL Sec 21 T9S R16E	43013525140000	UTU74392

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
10/4/2014	10/4/2014	10/14/2014	11/7/2014

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,046	6,035	6,000.0	Original Hole - 5,892.9	Original Hole - 5,957.6

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	10/4/2014	14	13.500	36.75	H-40	16
Surface	10/4/2014	8 5/8	8.097	24.00	J-55	321
Production	10/14/2014	5 1/2	4.950	15.50	J-55	5,982

Cement

String: Surface, 321ftKB 10/6/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	326.0	Yes	5.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/Halliburton w/155 sx of 15.8 # 1.19 yield G Neat cement returned 5 bbls back to pit and bumped plug to 800 psi.	Lead	155	G	11.0

String: Production, 5,982ftKB 10/14/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	6,000.0	Yes	86.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem system 5lbmKol-seal, .25lbm poly flake 1lbmGranulite TR	Lead	270	G	11.0
Expandacem system, 1lbmGranulite TR 1/4, 3% H-800.	Tail	460	G	3,664.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	11/6/2014	5,763.2

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441			0.90	11.0	11.9
Stretch Correction		2 7/8				1.80	11.9	13.7
Tubing	169	2 7/8	2.441	6.50	J-55	5,591.36	13.7	5,605.1
Anchor/catcher	1	4 1/2	2.441			2.80	5,605.1	5,607.9
Tubing	1	2 7/8	2.441	6.50	J-55	33.08	5,607.9	5,640.9
Pump Seating Nipple	1	2 7/8	2.280	6.50	N-80	1.10	5,640.9	5,642.0
Tubing	1	2 7/8	2.441	6.50	J-55	33.09	5,642.0	5,675.1
Tubing Pup Joint	1	2 7/8	2.441	6.50	N-80	4.10	5,675.1	5,679.2
Desander	1	2 7/8	0.000		N-80	17.00	5,679.2	5,696.2
Tubing	2	2 7/8	2.441	6.50	J-55	66.22	5,696.2	5,762.5
Valve	1	2 7/8				0.70	5,762.5	5,763.2

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	11/7/2014	5,663.2

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	7/8		D	2.00	-2.0	0.0
Polished Rod	1	1 1/2			30.00	0.0	30.0
Rod Guide - 4 per	75	7/8	2.22	D	1,878.75	30.0	1,908.8
Rod Guide - 4 per	119	3/4	1.63	D	2,980.95	1,908.8	4,889.7
Rod Guide - 8 per	30	7/8	2.22	D	751.50	4,889.7	5,641.2
Rod Insert Pump	1	2 1/2			22.00	5,641.2	5,663.2

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	D-1, Original Hole	4,711	4,713	2	180	0.340	10/30/2014
3	C-Sand, Original Hole	4,841	4,845	2	180	0.340	10/30/2014
2	A-Half, Original Hole	5,058	5,059	2	180	0.340	10/30/2014
2	A-1, Original Hole	5,092	5,094	2	180	0.340	10/30/2014
2	A-1, Original Hole	5,116	5,119	2	180	0.340	10/30/2014
1	CP-Half, Original Hole	5,604	5,606	2	180	0.340	10/28/2014
1	CP-1, Original Hole	5,626	5,630	2	180	0.340	10/28/2014

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,900	0.772	28.9	4,314	539	569	539
2	2,323	0.89	28.4	3,435	549	604	549

NEWFIELD

Newfield Wellbore Diagram Data
GMBU L-21-9-16

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
3	2,045	0.862	25.2	4,324	665	715	665

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	39,000	Main White Sand 39000 lbs
2	61,000	Main White Sand 61000 lbs
3	72,000	Main White Sand 72000 lbs

NEWFIELD

Schematic

43-013-52543

Well Name: GMBU U-21-9-16

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
SESE 638 FSL 820 FEL Sec 21 T9S R16E	43013525430000	500367234	UTU74392	Utah	GMBU CTB6	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
9/15/2014	10/5/2014	10/31/2014	6,042	6,031	Original Hole - 5,980.5	Original Hole - 5,994.2

Most Recent Job

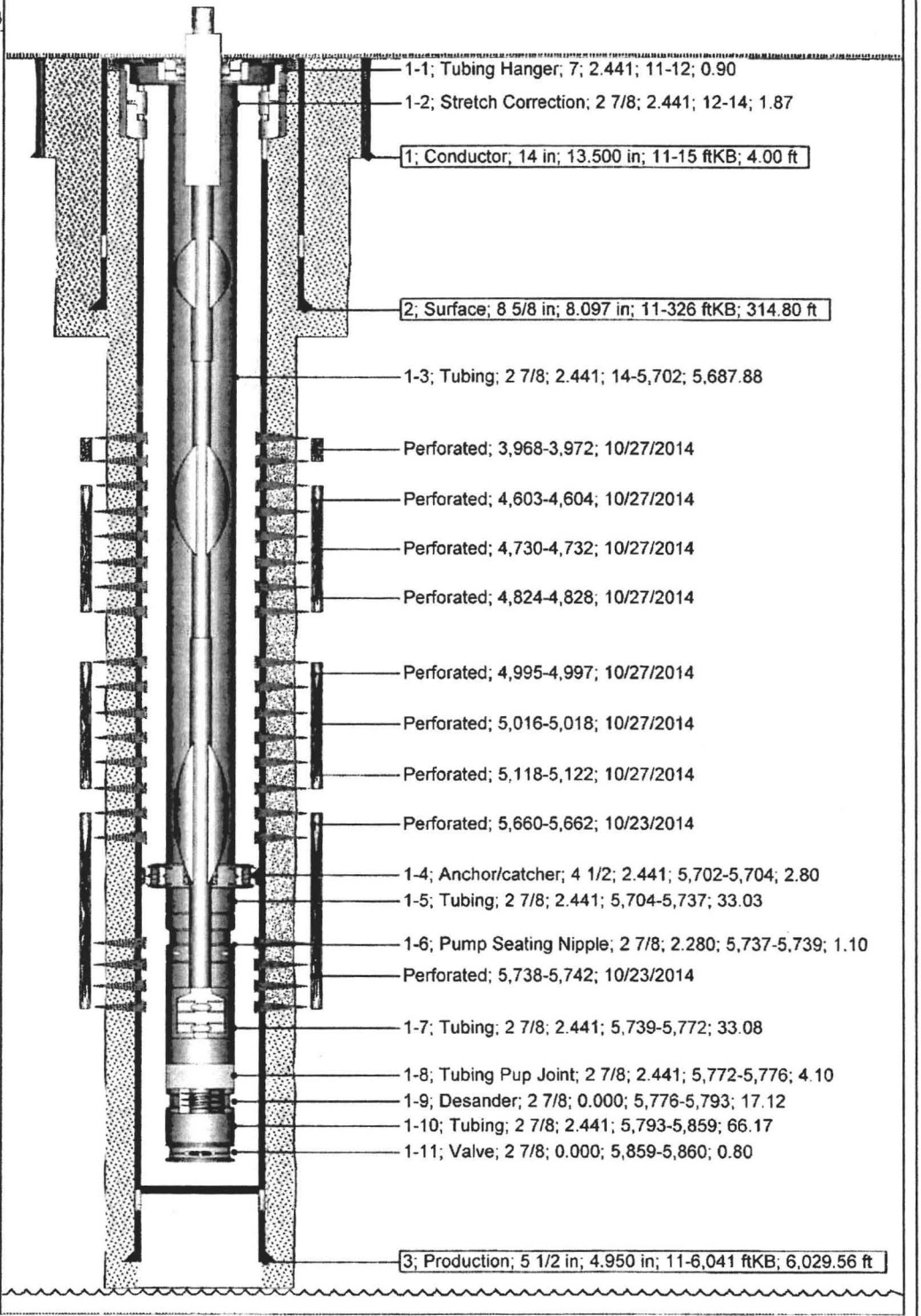
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	10/23/2014	10/30/2014

TD: 6,059.0

Slant - Original Hole, 11/9/2015 8:44:34 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS
-2.0	-2.0	0.0	DLS (°... 0 — 3
	0.0		
11.2	11.2	0.0	
	11.8		
13.1	13.1	0.0	
	13.8		
15.1	15.1	0.0	
	29.9		
49.9	49.9	0.1	
	288.7		
289.7	289.7	0.6	
	324.1		
325.8	325.8	0.7	
	335.9		
1,933.7	1,916.7	9.8	
	3,273.8		
3,324.8	3,284.1	11.6	
	3,916.7		
3,972.1	3,920.9	9.9	
	4,543.6		
4,604.0	4,544.6	9.6	
	4,668.5		
4,732.0	4,670.5	10.5	
	4,761.1		
4,828.1	4,765.0	10.2	
	4,924.4		
4,995.1	4,929.6	9.3	
	4,931.5		
5,016.1	4,950.3	9.4	
	4,952.2		
5,118.1	5,050.9	9.2	
	5,054.8		
5,660.1	5,586.1	9.8	
	5,588.0		
5,701.8	5,627.2	9.7	
	5,629.8		
5,737.5	5,662.4	9.8	
	5,662.7		
5,738.5	5,663.4	9.8	
	5,666.3		
5,742.1	5,666.9	9.8	
	5,687.9		
5,771.7	5,696.0	10.0	
	5,700.2		
5,793.0	5,717.0	9.8	
	5,782.1		
5,859.9	5,783.1	8.7	
	5,916.1		
5,996.1	5,918.0	6.9	
	5,961.3		
6,040.7	5,962.3	6.8	
	5,980.6		

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
GMBU U-21-9-16

Surface Legal Location	API/UWI	Lease
SESE 638 FSL 820 FEL Sec 21 T9S R16E	43013525430000	UTU74392

County	State/Province	Basin	Field Name
Duchesne	Utah	Uintah Basin	GMBU CTB6

Well Start Date	Spud Date	Final Rig Release Date	On Production Date
9/15/2014	9/15/2014	10/5/2014	10/31/2014

Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth (ftKB)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
6,042	6,031	6,059.0	Original Hole - 5,980.5	Original Hole - 5,994.2

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Conductor	9/15/2014	14	13.500	36.75	H-40	15
Surface	9/15/2014	8 5/8	8.097	24.00	J-55	326
Production	10/5/2014	5 1/2	4.950	15.50	J-55	6,041

Cement

String: Surface, 326ftKB 9/17/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	336.0	Yes	10.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Cement w/Halliburton w/155 sx of 15.8 # 1.19 yield G Neat cement retuned 10 bbls to pit and bumped plug to 354 psi.	Lead	155	G	11.0

String: Production, 6,041ftKB 10/5/2014

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
Halliburton Energy Services	11.0	6,059.0	Yes	65.0

Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Econocem system 5lbmKol-seal,.25lbm poly flake 1lbmGranulile TR	Lead	260	G	11.0
Expandacem system, 1lbmGranulite TR 1/4, .3% H-800.	Tail	470	G	3,572.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	10/29/2014	5,859.9

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7	2.441			0.90	11.0	11.9
Stretch Correction		2 7/8	2.441			1.87	11.9	13.8
Tubing	172	2 7/8	2.441	6.50	J-55	5,687.88	13.8	5,701.7
Anchor/catcher	1	4 1/2	2.441			2.80	5,701.7	5,704.5
Tubing	1	2 7/8	2.441	6.50	J-55	33.03	5,704.5	5,737.5
Pump Seating Nipple	1	2 7/8	2.280			1.10	5,737.5	5,738.6
Tubing	1	2 7/8	2.441	6.50	J-55	33.08	5,738.6	5,771.7
Tubing Pup Joint	1	2 7/8	2.441	6.50	N-80	4.10	5,771.7	5,775.8
Desander	1	2 7/8	0.000			17.12	5,775.8	5,792.9
Tubing	2	2 7/8	2.441	6.50	J-55	66.17	5,792.9	5,859.1
Valve	1	2 7/8	0.000			0.80	5,859.1	5,859.9

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)
Rod	10/30/2014	5,763.4

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Pony Rod	1	7/8		D	2.00	-2.0	0.0
Polished Rod	1	1 1/2			30.00	0.0	30.0
Rod Guide - 4 per	76	7/8	2.22	D	1,903.80	30.0	1,933.8
Rod Guide - 4 per	122	3/4	1.63	D	3,056.10	1,933.8	4,989.9
Rod Guide - 8 per	30	7/8	2.22	D	751.50	4,989.9	5,741.4
Rod Insert Pump	1	2 1/2			22.00	5,741.4	5,763.4

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	GB-2, Original Hole	3,968	3,972	2	120	0.340	10/27/2014
3	D-1, Original Hole	4,603	4,604	2	180	0.340	10/27/2014
3	C-Sand, Original Hole	4,730	4,732	2	180	0.340	10/27/2014
3	B-1, Original Hole	4,824	4,828	2	180	0.340	10/27/2014
2	A-1, Original Hole	4,995	4,997	2	180	0.340	10/27/2014
2	A-1, Original Hole	5,016	5,018	2	180	0.340	10/27/2014
2	LODC, Original Hole	5,118	5,122	2	180	0.340	10/27/2014
1	CP-3, Original Hole	5,660	5,662	2	180	0.340	10/23/2014
1	CP-4, Original Hole	5,738	5,742	2	180	0.340	10/23/2014

NEWFIELD

Newfield Wellbore Diagram Data
GMBU U-21-9-16

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,207	0.821	32.5	3,831	603	643	603
2	2,072	0.843	35.9	3,767	615	656	615
3	1,773	0.81	32.8	4,203	475	513	475
4	1,535	0.82	30.6	2,374	486	542	486

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	53,600	Main White Sand 53600 lbs
2	49,000	Main White Sand 49000 lbs
3	49,000	Main White Sand 49000 lbs
4	58,300	Main White Sand 58300 lbs

ATTACHMENT F

1 of 6

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

multi-chem
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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **SWDIF**
Sample Point: **After Filter**
Sample Date: **12/4/2012**
Sample ID: **WA-229142**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Peterson**

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

Sample Specifics	
Test Date:	12/5/2012
System Temperature 1 (°F):	120.00
System Pressure 1 (psig):	60.0000
System Temperature 2 (°F):	210.00
System Pressure 2 (psig):	60.0000
Calculated Density (g/ml):	0.999
pH:	6.80
Calculated TDS (mg/L):	2304.49
CO2 in Gas (%):	
Dissolved CO2 (mg/L)):	15.00
H2S in Gas (%):	
H2S in Water (mg/L):	2.50

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	734.93	Chloride (Cl):	1000.00
Potassium (K):	11.00	Sulfate (SO_4):	120.00
Magnesium (Mg):	26.00	Bicarbonate (HCO_3):	366.00
Calcium (Ca):	46.20	Carbonate (CO_3):	
Strontium (Sr):		Acetic Acid (CH_3COO)	
Barium (Ba):	0.17	Propionic Acid (C_2H_5COO)	
Iron (Fe):	0.13	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.02	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.04	Silica (SiO_2):	

Notes:
9:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
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

ATTACHMENT F

2 of 6

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

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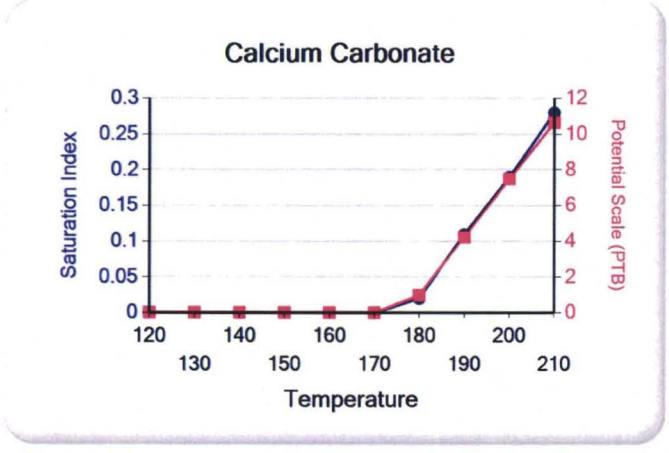
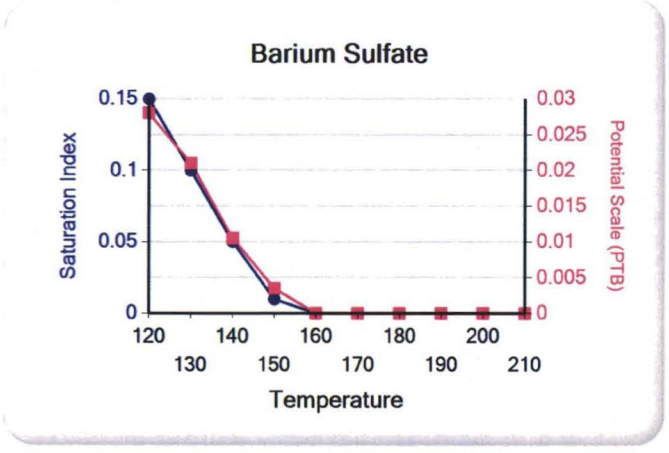
Water Analysis Report

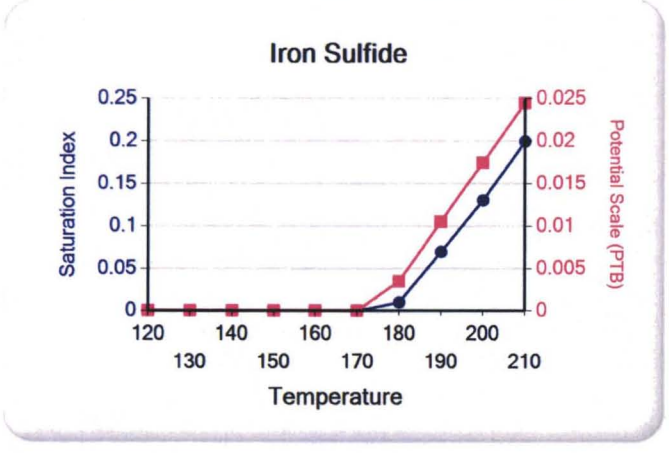
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	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

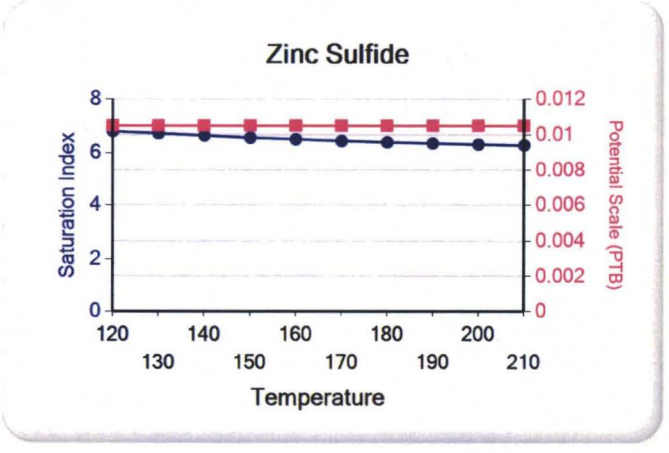
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

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









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

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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **FEDERAL 14-21-9-16**
Sample Point: **Treater**
Sample Date: **3/11/2013**
Sample ID: **WA-236955**

Sales Rep: **Michael McBride**
Lab Tech: **Layne Wilkerson**

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

Sample Specifics	
Test Date:	3/20/2013
System Temperature 1 (°F):	120.00
System Pressure 1 (psig):	60.0000
System Temperature 2 (°F):	210.00
System Pressure 2 (psig):	60.0000
Calculated Density (g/ml):	1.011
pH:	9.00
Calculated TDS (mg/L):	19638.83
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	10.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	7481.79	Chloride (Cl):	11000.00
Potassium (K):	82.00	Sulfate (SO_4):	189.00
Magnesium (Mg):	1.20	Bicarbonate (HCO_3):	854.00
Calcium (Ca):	4.00	Carbonate (CO_3):	
Strontium (Sr):	1.90	Acetic Acid (CH_3COO)	
Barium (Ba):	1.90	Propionic Acid (C_2H_5COO)	
Iron (Fe):	8.00	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.08	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.14	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.12	Silica (SiO_2):	14.70

Notes:
B=8.4 AL=0.05

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.81	2.94	0.32	0.59	4.01	4.41	3.05	5.81	0.00	0.00	0.00	0.00	0.00	0.00	8.81	0.04
200.00	60.00	0.78	2.90	0.33	0.61	4.02	4.41	3.02	5.81	0.00	0.00	0.00	0.00	0.00	0.00	8.91	0.04
190.00	60.00	0.75	2.85	0.36	0.63	4.02	4.41	2.99	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.02	0.04
180.00	60.00	0.71	2.79	0.38	0.66	4.04	4.41	2.95	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.13	0.04
170.00	60.00	0.68	2.74	0.41	0.69	4.05	4.41	2.91	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.25	0.04
160.00	60.00	0.65	2.68	0.45	0.73	4.07	4.41	2.87	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.38	0.04
150.00	60.00	0.62	2.63	0.49	0.76	4.10	4.41	2.83	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.04
140.00	60.00	0.59	2.57	0.53	0.80	4.13	4.41	2.79	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.65	0.04
130.00	60.00	0.56	2.51	0.58	0.83	4.17	4.41	2.74	5.81	0.00	0.00	0.00	0.00	0.00	0.00	9.79	0.04
120.00	60.00	0.54	2.45	0.64	0.87	4.22	4.41	2.70	5.80	0.00	0.00	0.00	0.00	0.00	0.00	9.95	0.04

Multi-Chem Analytical Laboratory
1553 East Highway 40
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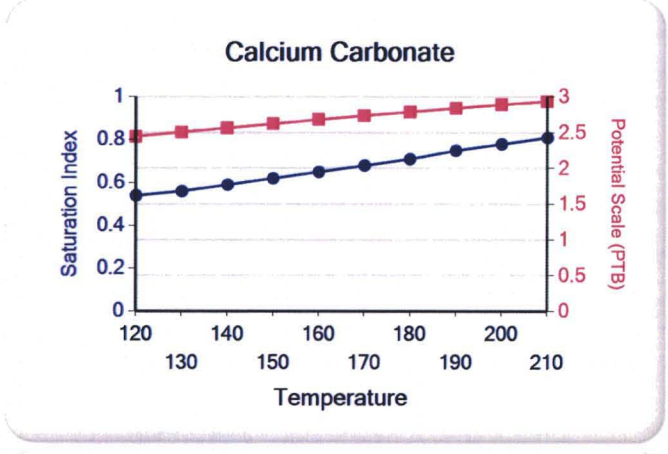
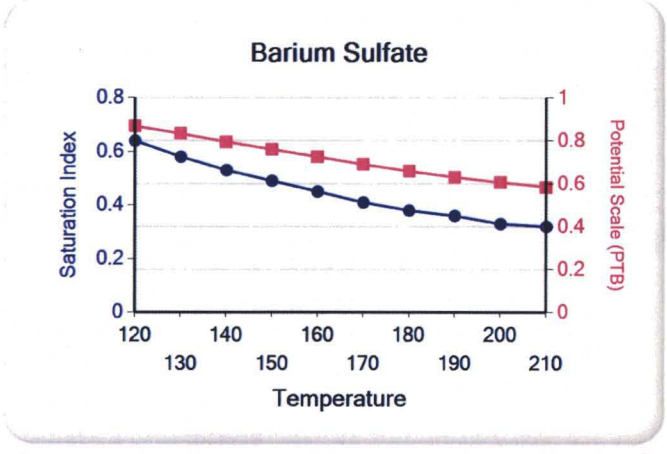
Water Analysis Report

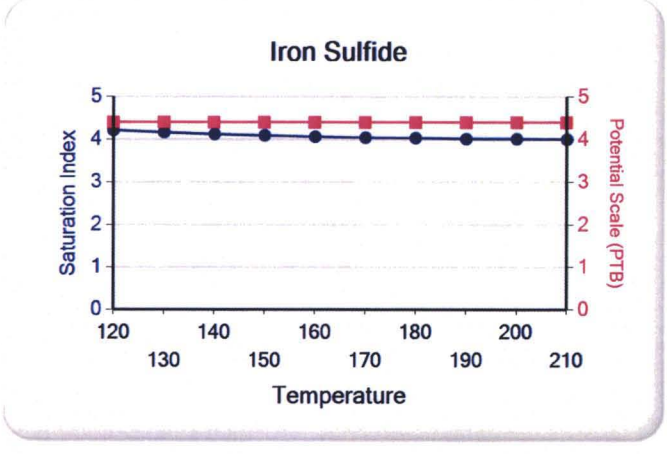
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.05	10.12	0.06	5.03	2.36	2.30	3.70	13.79	6.22
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.05	10.29	0.06	4.73	2.34	2.13	3.68	13.61	6.22
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.05	10.47	0.06	4.42	2.33	1.96	3.64	13.43	6.22
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.05	10.66	0.06	4.09	2.31	1.79	3.59	13.24	6.22
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.05	10.85	0.06	3.76	2.28	1.61	3.51	13.04	6.22
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.05	11.06	0.06	3.42	2.24	1.42	3.39	12.84	6.22
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.04	11.28	0.06	3.07	2.19	1.23	3.23	12.63	6.22
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.04	11.51	0.06	2.71	2.13	1.04	3.01	12.42	6.22
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.04	11.75	0.06	2.35	2.04	0.85	2.74	12.22	6.22
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.03	12.01	0.06	1.98	1.92	0.66	2.40	12.01	6.22

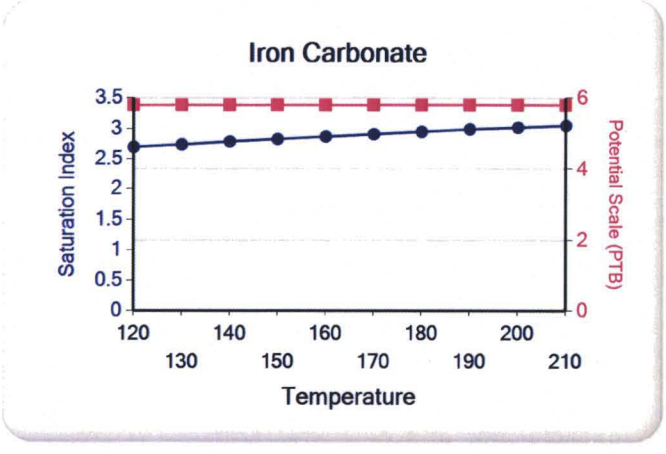
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

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









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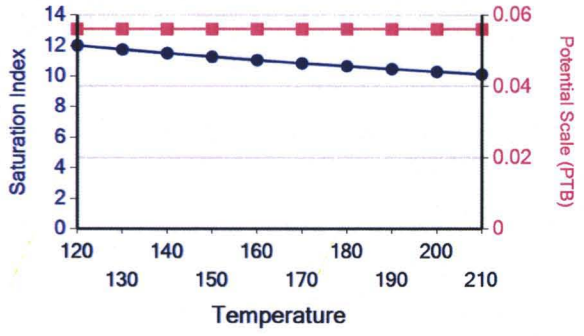
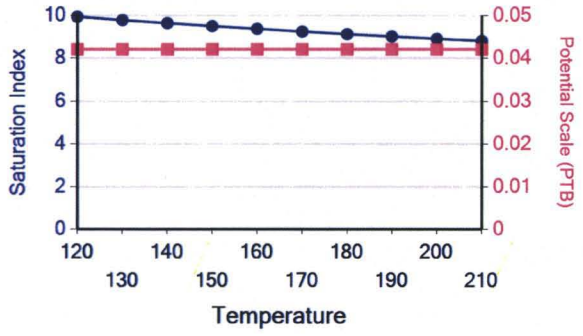
Water Analysis Report

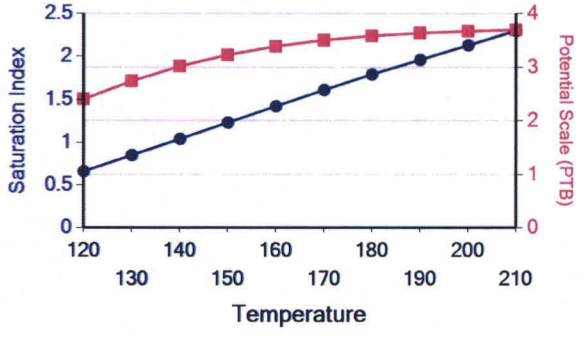
Lead Sulfide



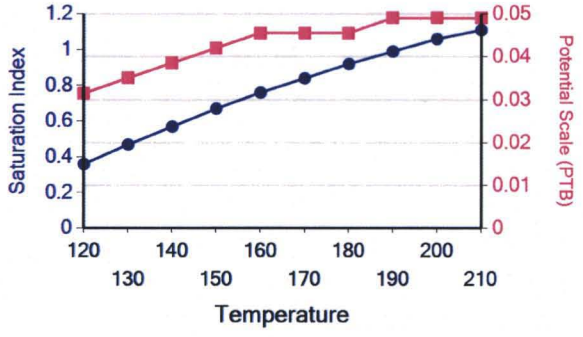
Zinc Sulfide



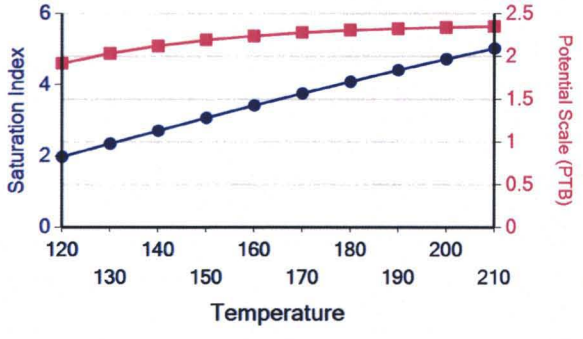
Ca Mg Silicate



Zinc Carbonate



Mg Silicate



Multi-Chem Analytical Laboratory
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ATTACHMENT F
6 of 6

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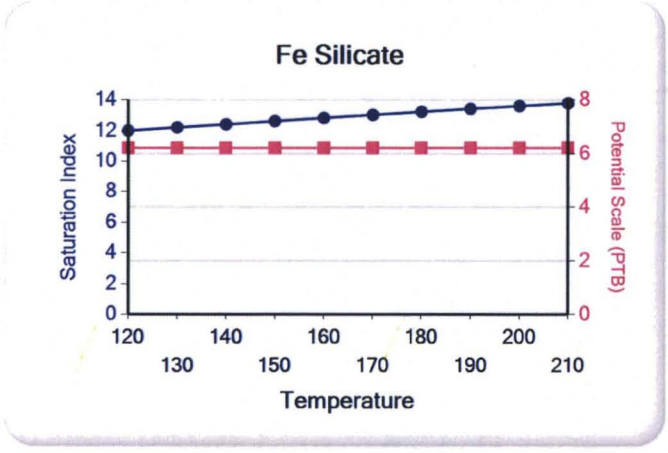
Water Analysis Report



Attachment "G"

Federal #14-21-9-16
Proposed Maximum Injection Pressure

Frac Interval (feet) Top	Bottom	Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
5910	5916	5913	2266	0.82	2228
5098	5114	5106	3464	1.11	3431
5010	5018	5014	3464	1.12	3431
4522	4604	4563	1905	0.85	1876 ←
				Minimum	1876

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

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

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

NEWFIELD

ATTACHMENT G-1
1 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 14-Jul-07 **Day:** 1

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' **Prod Csg:** 5 1/2" @ 6020' **Csg PBTD:** 5951' WL

Tbg: **Size:** **Wt:** **Grd:** **Pkr/EOT @:** **BP/Sand PBTD:**

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			BSC sds	5910-5916'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jul-07 **SITP:** **SICP:** 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5951' & cement top @ 332'. Perforate stage #1. BSC sds @ 5910-16' 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. 143 BWTR. SIFN.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 143 **Starting oil rec to date:**

Fluid lost/recovered today: 0 **Oil lost/recovered today:**

Ending fluid to be recovered: 143 **Cum oil recovered:**

IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

Base Fluid used: **Job Type:**

Company:

Procedure or Equipment detail:

Max TP: **Max Rate:** **Total fluid pmpd:**

Avg TP: **Avg Rate:** **Total Prop pmpd:**

ISIP: **5 min:** **10 min:** **15 min:**

Completion Supervisor: Orson Barney

COSTS

Weatherford BOP	
NPC NU crew	
NDSI trucking	
Perforators LLC	
Drilling cost	
Zubiate hot oil	
Location preparation	
NPC wellhead	
Benco - anchors	
Admin. Overhead	
NPC Supervisor	
DAILY COST:	$0
TOTAL WELL COST:	

NEWFIELD

ATTACHMENT G-1
2 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 24-Jul-07 **Day:** 2a

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' **Prod Csg:** 5 1/2" @ 6020' **Csg PBTD:** 5951' WL

Tbg: **Size:** **Wt:** **Grd:** **Pkr/EOT @:** **BP/Sand PBTD:**

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			BSC sds	5910-5916'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 23-Jul-07 **SITP:** **SICP:** 0

Day 2a.
RU BJ Services. 0 psi on well. Frac BSC sds w/ 15,064#'s of 20/40 sand in 286 bbls of Lightning 17 fluid. Broke @ 4244 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1992 ps @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2266 psi. Leave pressure on well 429 BWTR. See Day 2b.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	143	Starting oil rec to date:	
Fluid lost/recovered today:	286	Oil lost/recovered today:	
Ending fluid to be recovered:	429	Cum oil recovered:	

IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: BSC sands

780 gals of pre-pad of 4% Techni-Hib 767W
341 gals of flush spacer
1500 gals of pad
1149 gals W/ 1-4 ppg of 20/40 sand
2404 gals W/ 4-6.5 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 5334 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2355 **Max Rate:** 24.8 BPM **Total fluid pmpd:** 286 bbls

Avg TP: 1992 **Avg Rate:** 24.7 BPM **Total Prop pmpd:** 15,064#'s

ISIP: 2266 **5 min:** **10 min:** **FG:** .82

Completion Supervisor: Orson Barney

COSTS

BJ Services-BSC	
CD wtr & trucking	
NPC fuel gas	
Weatherford tools/serv	
NPC trucking	
NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
3 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 24-Jul-07 **Day:** 2b

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' **Prod Csg:** 5 1/2" @ 6020' **Csg PBTD:** 5951' WL

Tbg: **Size:** **Wt:** **Grd:** **Pkr/EOT @:** **BP/Sand PBTD:** 5210'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5098-5114'	4/64
			BSC sds	5910-5916'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 23-Jul-07 **SITP:** **SICP:** 1453 psi

Day 2b.
RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 16' per gun. Set plug @ 5210'. Perforate LODC sds @ 5098-5114' w/ 3-1/8" Slick Guns w/ 4 spf for total of 64 shots. RU B. Services. 1453 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU B. Service. 1270 psi on well. Frac LODC sds w/ 109,920#'s of 20/40 sand in 810 bbls of Lightning 17 fluid. Broke @ 1717 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2741 ps @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 3114 psi. Leave pressure on well 1239 BWTR. See Day 2c.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 429 **Starting oil rec to date:**

Fluid lost/recovered today: 810 **Oil lost/recovered today:**

Ending fluid to be recovered: 1239 **Cum oil recovered:**

IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: LODC sands

780 gals of pre-pad of 4% Techni-Hib 767W
375 gals of flush spacer
8300 gals of pad
5625 gals W/ 1-5 ppg of 20/40 sand
11250 gals W/ 5-8 ppg of 20/40 sand
2582 gals W/ 8 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 4591 gals of slick water
****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 3005 **Max Rate:** 25.1 BPM **Total fluid pmpd:** 810 bbls

Avg TP: 2741 **Avg Rate:** 24.9 BPM **Total Prop pmpd:** 109,920#'s

ISIP: 3114 **5 min:** **10 min:** **FG:** 1.05

Completion Supervisor: Orson Barney

COSTS

BJ Services-LODC	
CD wtr & trucking	
NPC fuel gas	
Weatherford tools/serv	
Lone Wolf WL	
NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
4 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 24-Jul-07 **Day:** 2c

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' Prod Csg: 5 1/2" @ 6020' Csg PBTD: 5951' WL

Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 5070'

BP: 5210'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5010-5018'	4/32
			LODC	5098-5114'	4/64
			BSC sds	5910-5916'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 23-Jul-07 SITP: SICP: 2260 psi

Day 2c.
RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun Set plug @ 5070'. Perforate LODC sds @ 5010-5018' w/ 3-1/8" Slick Guns w/ 4 spf for total of 32 shots. RU B. Services. 2260 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU B. Service. 1968 psi on well. Frac LODC sds w/ 15,148#'s of 20/40 sand in 263 bbls of Lightning 17 fluid. Broke @ 366 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3213 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 3464 psi. Leave pressure on well. 150 BWTR. See Day 2d.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1239 Starting oil rec to date:

Fluid lost/recovered today: 263 Oil lost/recovered today:

Ending fluid to be recovered: 1502 Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: LODC sands

780 gals of pre-pad of 4% Techni-Hib 767W

178 gals of flush spacer

1500 gals of pad

1149 gals W/ 1-4 ppg of 20/40 sand

2449 gals W/ 4-6.5 ppg of 20/40 sand

Flush W/ 504 gals of 15% HCL acid

Flush W/ 4494 gals of slick water

Flush called @ blender--includes 2 bbls pump/line volume

Max TP: 3420 Max Rate: 25.1 BPM Total fluid pmpd: 263 bbls

Avg TP: 3213 Avg Rate: 24.9 BPM Total Prop pmpd: 15,148#'s

ISIP: 3464 5 min: 10 min: FG: 1.13

Completion Supervisor: Orson Barney

COSTS

BJ Services-LODC	
CD wtr & trucking	
NPC fuel gas	
Weatherford tools/serv	
Lone Wolf WL	
NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
5 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 24-Jul-07 **Day:** 2d

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' Prod Csg: 5 1/2" @ 6020' Csg PBTD: 5951' WL

Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4970'

BP: 5070', 5210'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5010-5018'	4/32
			LODC	5098-5114'	4/64
			BSC sds	5910-5916'	4/24
A3 sds	4929-4936'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 23-Jul-07 **SITP:** **SICP:** 2042 psi

Day 2d.
RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 7' perf gun Set plug @ 4970'. Perforate A3 sds @ 4929-4936' w/ 3-1/8" Slick Guns w/ 4 spf for total of 28 shots. RU BJ Services 2042 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. Tagged sand @ 4900 (29' of sand over perfs). RU BJ Service. Pressured up to 4200 psi, Would not breakdown. Flow back well on 12/64 choke @ 1 BPM. Flowed for 3 1/2 hrs & died. Rec. est 190 BTF. SIWFN w/ 1312 BWTR.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	1502	Starting oil rec to date:	
Fluid lost/recovered today:	190	Oil lost/recovered today:	
Ending fluid to be recovered:	1312	Cum oil recovered:	

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: A3 sands

Flush called @ blender--includes 2 bbls pump/line volume

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Orson Barney

COSTS

BJ Services- A3	
Weatherford tools/serv	
Lone Wolf WL	
NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	$0

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ATTACHMENT G-1
6 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 25-Jul-07 **Day:** 3a

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' Prod Csg: 5 1/2" @ 6020' Csg PBTD: 5951' WL

Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4970'

BP: 5070', 5210'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5010-5018'	4/32
			LODC	5098-5114'	4/64
			BSC sds	5910-5916'	4/24
A3 sds	4929-4936'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 24-Jul-07 **SITP:** **SICP:** 645 psi

Day 3a.
RU BJ Services. 645 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid Tagged sand @ 4758' (171' of sand over perfs). Decision was made to skip A3 sds. Dump acid @ 4612'. Leave pressure on well. 1312 BWTR. See Day 3b.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1312 Starting oil rec to date:

Fluid lost/recovered today: 0 Oil lost/recovered today:

Ending fluid to be recovered: 1312 Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: A3 sands

Flush called @ blender--includes 2 bbls pump/line volume

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Orson Barney

COSTS

NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	$0

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ATTACHMENT G-1
7 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 25-Jul-07 **Day:** 3b

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 318' **Prod Csg:** 5 1/2" @ 6020' **Csg PBTD:** 5951' WL

Tbg: **Size:** **Wt:** **Grd:** **Pkr/EOT @:** **BP/Sand PBTD:** 4710'

BP: 4970', 5070', 5210'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4522-4528'	4/24	LODC	5010-5018'	4/32
D1 sds	4544-4550'	4/24	LODC	5098-5114'	4/64
D2 sds	4578-4585'	4/28	BSC sds	5910-5916'	4/24
D3 sds	4604'4612'	4/32			
A3 sds	4929-4936'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 24-Jul-07 **SITP:** **SICP:** 149 psi

Day 3a.
RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' per gun. Set plug @ 4710'. Perforate D3 sds @ 4604- 4612, D2 sds @ 4578- 4585', D1 sds @ 4544- 4550', 4522- 4528 w/ 3-1/8" Slick Guns w/ 4 spf for total of 108 shots (2 runs). RU BJ Services. 149 psi on well. Frac D1, D2 & D3 sds w/ 122,380#'s of 20/40 sand in 848 bbls of Lightning 17 fluid. Broke @ 2382 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1681 psi @ ave rate of 24.9 BPM. ISIP 1905 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. FLowed for 3 1/2 hrs & died. Rec 195 BTF. SIWFN w/ 1965 BWTR.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1312 **Starting oil rec to date:**

Fluid lost/recovered today: 653 **Oil lost/recovered today:**

Ending fluid to be recovered: 1965 **Cum oil recovered:**

IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: D1,2,3 sands

780 gals of pre-pad of 4% Techni-Hib 767W

602 gals of flush spacer

8300 gals of pad

5625 gals W/ 1-5 ppg of 20/40 sand

11250 gals W/ 5-8 ppg of 20/40 sand

4657 gals W/ 8 ppg of 20/40 sand

Flush W/ 4410 gals of slick water

Max TP: 1940 **Max Rate:** 25.2 BPM **Total fluid pmpd:** 848 bbls

Avg TP: 1681 **Avg Rate:** 24.9 BPM **Total Prop pmpd:** 122,380#'s

ISIP: 1905 **5 min:** **10 min:** **FG:** .85

Completion Supervisor: Orson Barney

COSTS

BJ Services-D1,2 &3	
CD wtr & trucking	
NPC fuel gas	
Weatherford tools/serv	
Lone Wolf WL	
NPC supervision	
NPC trucking	
Unichem chemicals	
Monks pit reclaim	
NPC sfc equipment	
NPC welding/labor	
NDSI wtr disposal	
Mt west sanitation	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
8 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 26-Jul-07 **Day:** 4

Operation: Completion **Rig:** NC#1

WELL STATUS

Surf Csg: 8 5/8' @ 318' Prod Csg: 5 1/2" @ 6020' Csg PBTD: 5951' WL

Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4673' BP/Sand PBTD: 4970'

BP: 5070', 5210'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4522-4528'	4/24	LODC	5010-5018'	4/32
D1 sds	4544-4550'	4/24	LODC	5098-5114'	4/64
D2 sds	4578-4585'	4/28	BSC sds	5910-5916'	4/24
D3 sds	4604'4612'	4/32			
A3 sds	4929-4936'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 25-Jul-07 **SITP:** **SICP:**

11:30AM MIRU NC#1, OWU, N/D 10,000 BOP & Frac Flnge, N/U 3,000 Flnge & 5,000 BOP, P/U & RIH W/-4 3/4 Bit Bit Sub, 147 Jts Tbg To Fill @ 4566', R/U Nabors Pwr Swvl, R/U R/pmp, C/Out To Plg @ 4710', Drill Up Plg, Curc Wel Clean, R/D Swvl, POOH W/-2 Jts Tbg EOB @ 4673', SWI, 7:00PM C/SDFN.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1965 Starting oil rec to date:

Fluid lost/recovered today: 0 Oil lost/recovered today:

Ending fluid to be recovered: 1965 Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

TUBING DETAIL	ROD DETAIL	COSTS	
		NC#1	
		NPC Supervision	
		Weatherford BOP	
		NDSI Wtr Trucking	
		NPC Location C/Up	
		NPC Trucking	
		ML Trucking	
		Nabors Pwr Swvl	
		DAILY COST:	$0
		TOTAL WELL COST:	$0

Completion Supervisor: Duane Freston.

NEWFIELD

ATTACHMENT G-1
9 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 27-Jul-07 **Day:** 5

Operation: Completion **Rig:** NC#1

WELL STATUS

Surf Csg: 8 5/8' @ 318' Prod Csg: 5 1/2" @ 6020' Csg PBTD: 5974'

Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5015' BP/Sand PBTD: 5974'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4522-4528'	4/24	LODC	5010-5018'	4/32
D1 sds	4544-4550'	4/24	LODC	5098-5114'	4/64
D2 sds	4578-4585'	4/28	BSC sds	5910-5916'	4/24
D3 sds	4604'4612'	4/32			
A3 sds	4929-4936'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 26-Jul-07 **SITP:** **SICP:**

6:30AM OWU, RIH W/-Tbg To Plg @ 4970', R/U Nabors Pwr Swvl, Drill Up Plg, Swvl I/Hle To Fill @ 5060', C/Out Tc Plg @ 5070', Drill Up Plg, Swvl I/Hle To Fill @ 5195', C/Out To Plg @ 5210', Drill Up Plg, Swvl I/Hle To Fill @ 5936' Drill & C/Out To PBTD @ 5974', Curc Well Clean, R/D Swvl, POOH W/-5 Jts Tbg, EOB @ 5824', R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs, Recvred 168 Bbls Wtr, Lite Trce Oil, Lite Trce Sand, FFL @ 1200', RIH W/-5 Jts Tbg Tc Fill @ 5971', C/Out To PBTD @ 5974', Curc Well Clean, POOH W/-31 Jts Tbg, SWI, EOB @ 5015', 6:30PM C/SDFN Lost 87 Bbls Wtr On Drill Out To PBTD, Recvred 168 Bbls Wtr Swabbing, Lost Bbls Wtr On Curc Out @ PBTD, Tota LossFor Day = 8 Bbls.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1965 **Starting oil rec to date:**

Fluid lost/recovered today: 8 **Oil lost/recovered today:**

Ending fluid to be recovered: 1973 **Cum oil recovered:**

IFL: Surf **FFL:** 1200' **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

TUBING DETAIL	ROD DETAIL	COSTS	
		NC#1	
		NPC Supervision	
		Weatherford BOP	
		Nabors Pwr Swvl	
		B&L J-55 Tbg	
		CDI-pmp-T/A-S/N	
		NPC Trucking	
		DAILY COST:	$0

Completion Supervisor: Duane Freston. **TOTAL WELL COST:**

NEWFIELD

ATTACHMENT G-1
10 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 14-21-9-16 **Report Date:** 30-Jul-07 **Day:** 6

Operation: Completion **Rig:** NC#1

WELL STATUS

Surf Csg:	8 5/8'	@	318'		**Prod Csg:**	5 1/2"	@	6020'	**Csg PBTD:**	5974'
Tbg:	**Size:**	2 7/8"	**Wt:**	6.5#	**Grd:**	J-55	**Pkr/EOT @:**	5905'	**BP/Sand PBTD:**	5974'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4522-4528'	4/24	LODC	5010-5018'	4/32
D1 sds	4544-4550'	4/24	LODC	5098-5114'	4/64
D2 sds	4578-4585'	4/28	BSC sds	5910-5916'	4/24
D3 sds	4604'4612'	4/32			
A3 sds	4929-4936'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Jul-07 **SITP:** **SICP:**

6:30AM OWU, POOH W/-161 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below, Set T/A Ir 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 1/2x20x20 1/2 RHAC, & Rod String Shown Below. Seat pmp, R/U Unit, R/U R/pmp, Fill Tbg W/- 1 Bbl Wtr, Stroke Unit & Tbg To 80(Psi, Good Test.Rack Out Eq, R/D Rig. 6:00PM C/SDFN, POP @ 4:30PM ,120" SL, 5 SPM, (Final Report).

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	1973	**Starting oil rec to date:**	
Fluid lost/recovered today:	1	**Oil lost/recovered today:**	
Ending fluid to be recovered:	1974	**Cum oil recovered:**	

IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

	TUBING DETAIL	ROD DETAIL	COSTS	
KB	= 12.0	1 1/2x26' Polish Rod	NC#1	
184	Jts Tbg = 5726.30	3/4x2'-4'-8' Pony Rods	NPC Supervision	
T/A	= 2.80 @ 5738.30 KB	100-3/4x25' Guided Rods	Weatherford BOP	
1	Jt Tbg = 31.09	104-3/4x25' Slick Rods	NPC Frac Tnks 7x8 Dys	
S/N	1.10 @ 5772.19 KB	20-3/4x25' Guided Rods	NPC Frac Head	
1	Jt Tbg = 31.46	6-1 1/2x25' Wt Bars	NPC Swab Tnk 1x3 Dys	
	PBGA = 5.20	CDI-2 1/2x1 1/2x20x20 1/2'RHAC	A/Grade Rod String	
1	2 7/8 Nipple = .15		NDSI H/Oiler Cln/Up	
3	Jts Tbg = 94.17			
	Bull Plg = .73 @ 5905.00KB			
			DAILY COST:	$0

Completion Supervisor: Duane Freston. **TOTAL WELL COST:**

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4472'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	167' balance plug using 20 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.		Perforate 4 JSPF @ 373'
6.	Plug #4	Circulate 107 sx Class "G" cement down 5 ½" casing and up the 5-1/2" x 8-5/8" annulus

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

ATTACHMENT H-1

Federal 14-21-9-16

Spud Date: 6-22-07
Put on Production: 7-27-07
GL: 6052' KB: 6064'

Initial Production: BOPD, MCFD, BWPD

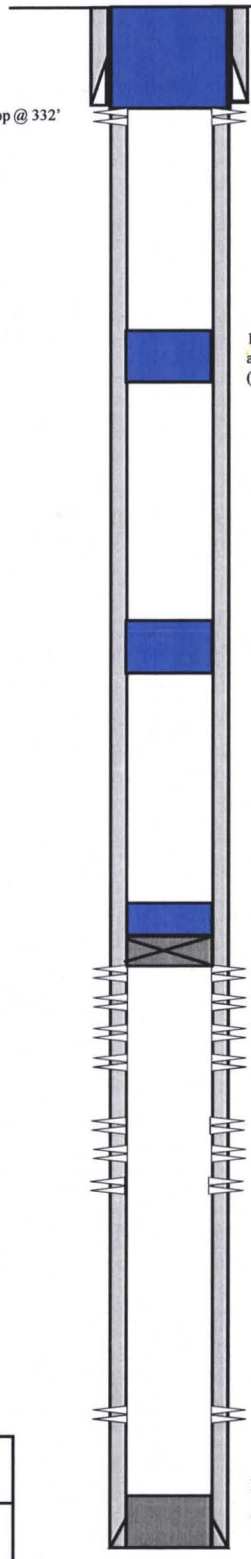
Proposed P & A
Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jnts (311.59')
DEPTH LANDED: 323.44' 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: 138 jts. (6006.31')
DEPTH LANDED: 6019.56' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TO SURFACE: 332'



NEWFIELD

Federal 14-21-9-16

797' FSL & 1993' FWL
SE/SW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33141; Lease #UTU-74392

JL 3/7/2013