



RECEIVED

AUG 20 2004

DIV. OF OIL, GAS & MINING

August 19, 2004

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 1-13-9-16, 2-13-9-16, 5-13-9-16, 6-13-9-16, 7-13-9-16, 8-13-9-16, 9-13-9-16, 10-13-9-16, 11-13-9-16, 12-13-9-16, 13-13-9-16, 14-13-9-16, 15-13-9-16, and 16-13-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 8-13-9-16 and 13-13-9-16 are Exception Locations. I have contacted our Land Department in the Denver office and they will be providing you with the appropriate Exception Location Letters. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
AUG 20 2004
DIV. OF OIL, GAS & MINING

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-64805

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

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

8. Lease Name and Well No.
Federal 10-13-9-16

9. API Well No.
43013-32653

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NW/SE Sec. 13, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Inland Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NW/SE 1971' FSL 1917' FEL 579832 X 40.02907
At proposed prod. zone 4431193Y -110.06439

14. Distance in miles and direction from nearest town or post office*
Approximatley 20.0 miles south of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1,917' flse, NA fl/unit

16. No. of Acres in lease
560.00

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. 1,262'

19. Proposed Depth
6500'

20. BLM/BIA Bond No. on file
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5519' GL

22. Approximate date work will start*
1st Quarter 2005

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 8/19/04

Title Regulatory Specialist

Approved by Signature *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 08-25-04

Title ENVIRONMENTAL SCIENTIST III

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.

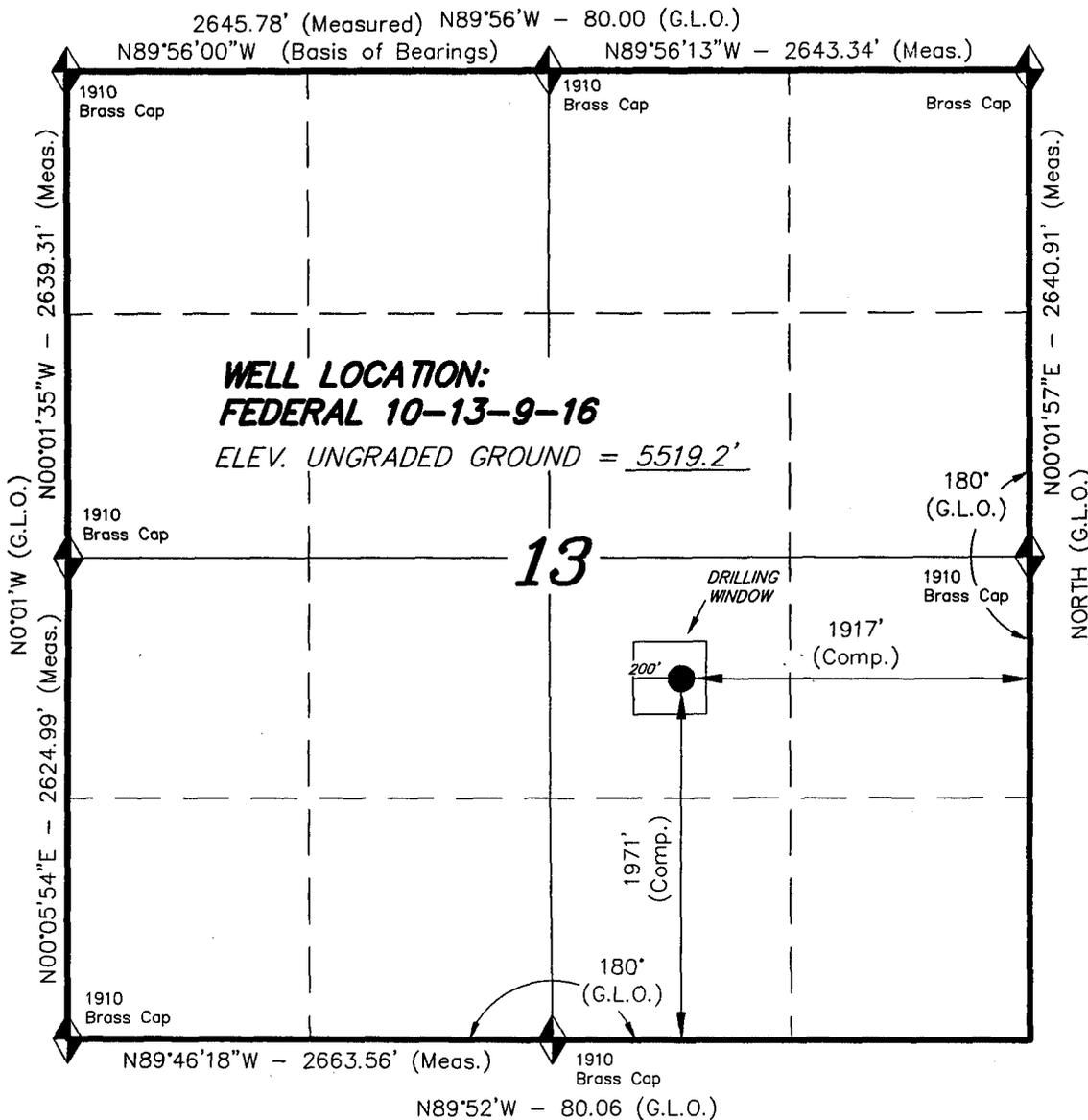
*(Instructions on reverse)

Federal Approval of this Action is Necessary

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

INLAND PRODUCTION COMPANY

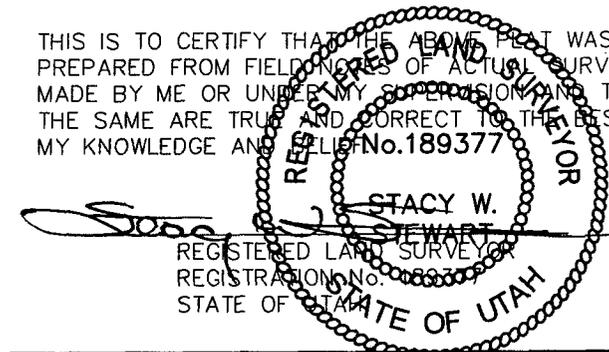
WELL LOCATION, FEDERAL 10-13-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 SE
 1/4 OF SECTION 13, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTE:

The Well Location bears
 S71°01'13"W 2027.51' from the
 East 1/4 Corner of Section 13.

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. No. 189377



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 7-1-04	DRAFTED BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

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

INLAND PRODUCTION COMPANY
FEDERAL #10-13-9-16
NW/SE SECTION 13, 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' – 1640'
Green River	1640'
Wasatch	5900'

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

Green River Formation 1640' – 6500' - 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 2000 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.

**INLAND PRODUCTION COMPANY
FEDERAL #10-13-9-16
NW/SE SECTION 13, 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 Inland Production Company well location site Federal #10-13-9-16 located in the NW 1/4 SE 1/4 Section 13, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 14.6 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 3.4 miles \pm to it's junction with an existing road to the north; proceed northerly - 0.4 miles \pm to it's junction with the beginning of the proposed access road to the west; proceed westerly along the proposed access road - 2,200' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-44, 5/5/03. Paleontological Resource Survey prepared by, Wade E. Miller, 4/7/04. See attached report cover pages, Exhibit "D".

For the Federal #10-13-9-16 Inland Production Company requests 2,025' of disturbed area be granted in Lease UTU-64805 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.

Inland Production Company requests 2,200' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 610' of disturbed area be granted in Lease UTU-75039 and 3,850' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

Inactive Nest: Dixie Saddler to advise.

Burrowing Owl: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction

surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

Reserve Pit Liner

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)

Shadscale	<i>Atriplex Confertifolia</i>	4 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	4 lbs/acre
Crested Wheat Grass		4 lbs/acre

Details of the On-Site Inspection

The proposed Federal #10-13-9-16 was on-sited on 5/19/04. The following were present; Brad Mecham (Inland Production), David Gerbig (Inland Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear at 70 degrees.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

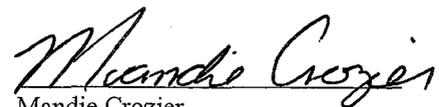
Name: Brad Mecham
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #10-13-9-16 NW/SE Section 13, Township 9S, Range 16E: Lease UTU-64805 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 Inland 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.

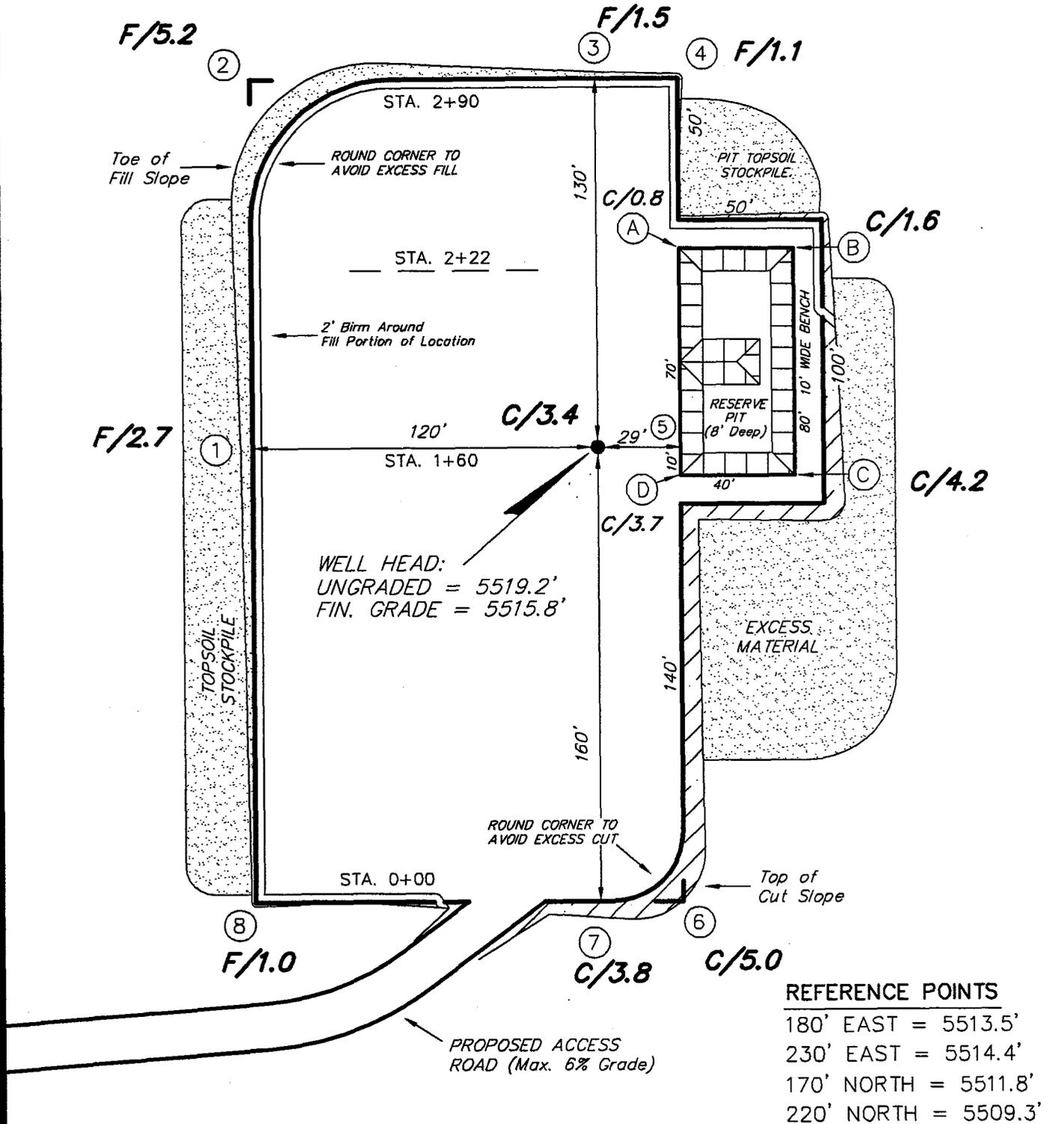
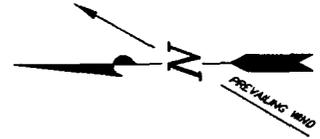
8/19/04
Date


Mandie Crozier
Regulatory Specialist

INLAND PRODUCTION COMPANY

FEDERAL 10-13-9-16

Section 13, T9S, R16E, S.L.B.&M.



WELL HEAD:
UNGRADED = 5519.2'
FIN. GRADE = 5515.8'

REFERENCE POINTS
180' EAST = 5513.5'
230' EAST = 5514.4'
170' NORTH = 5511.8'
220' NORTH = 5509.3'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 7-1-04

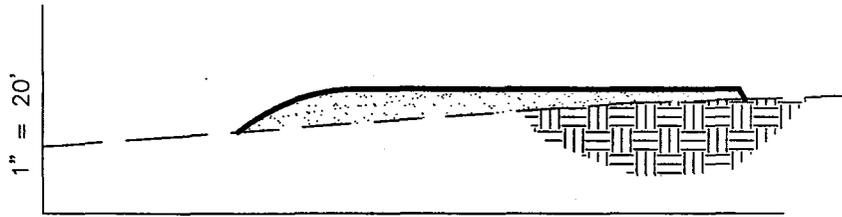
(435) 781-2501

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY

CROSS SECTIONS

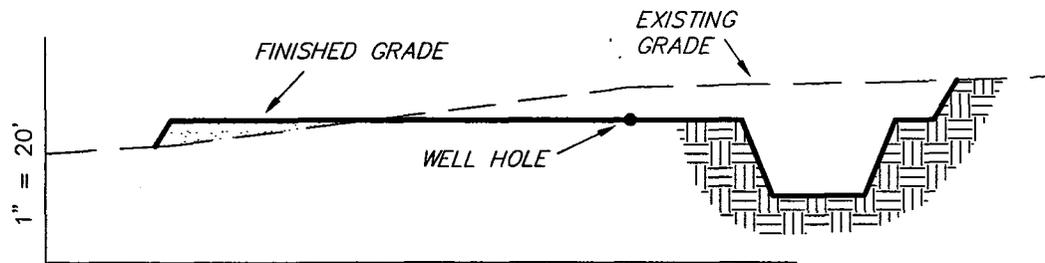
FEDERAL 10-13-9-16



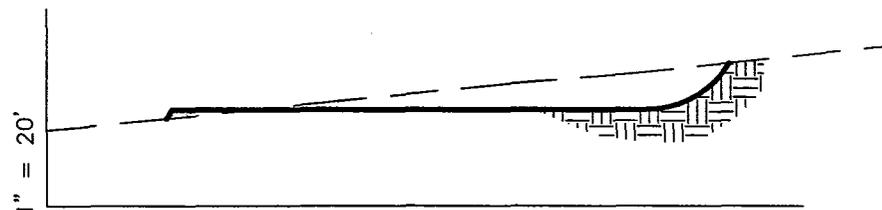
1" = 50' STA. 2+90



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	1,900	1,900	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,540	1,900	890	640

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

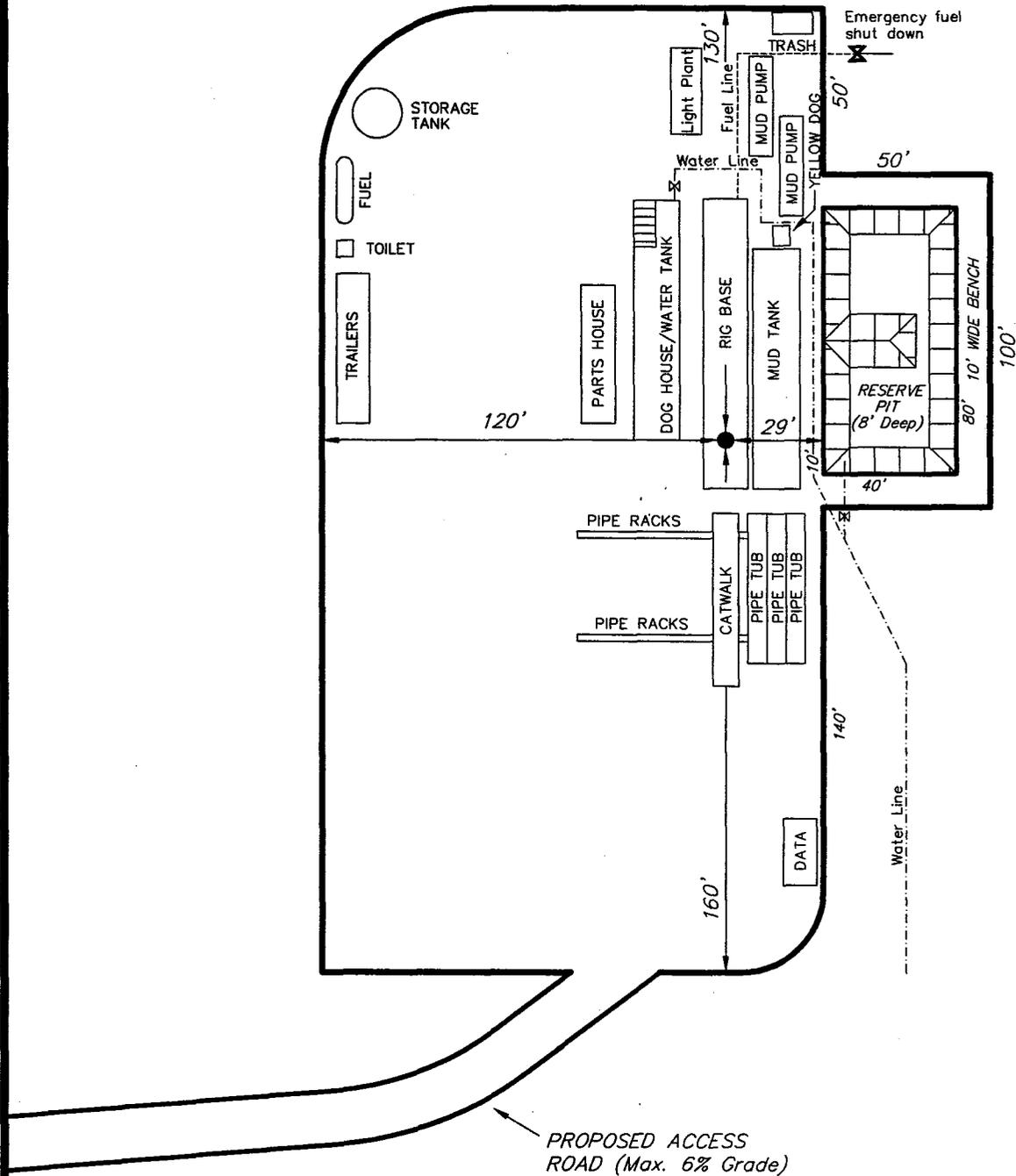
DATE: 7-1-04

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

INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

FEDERAL 10-13-9-16



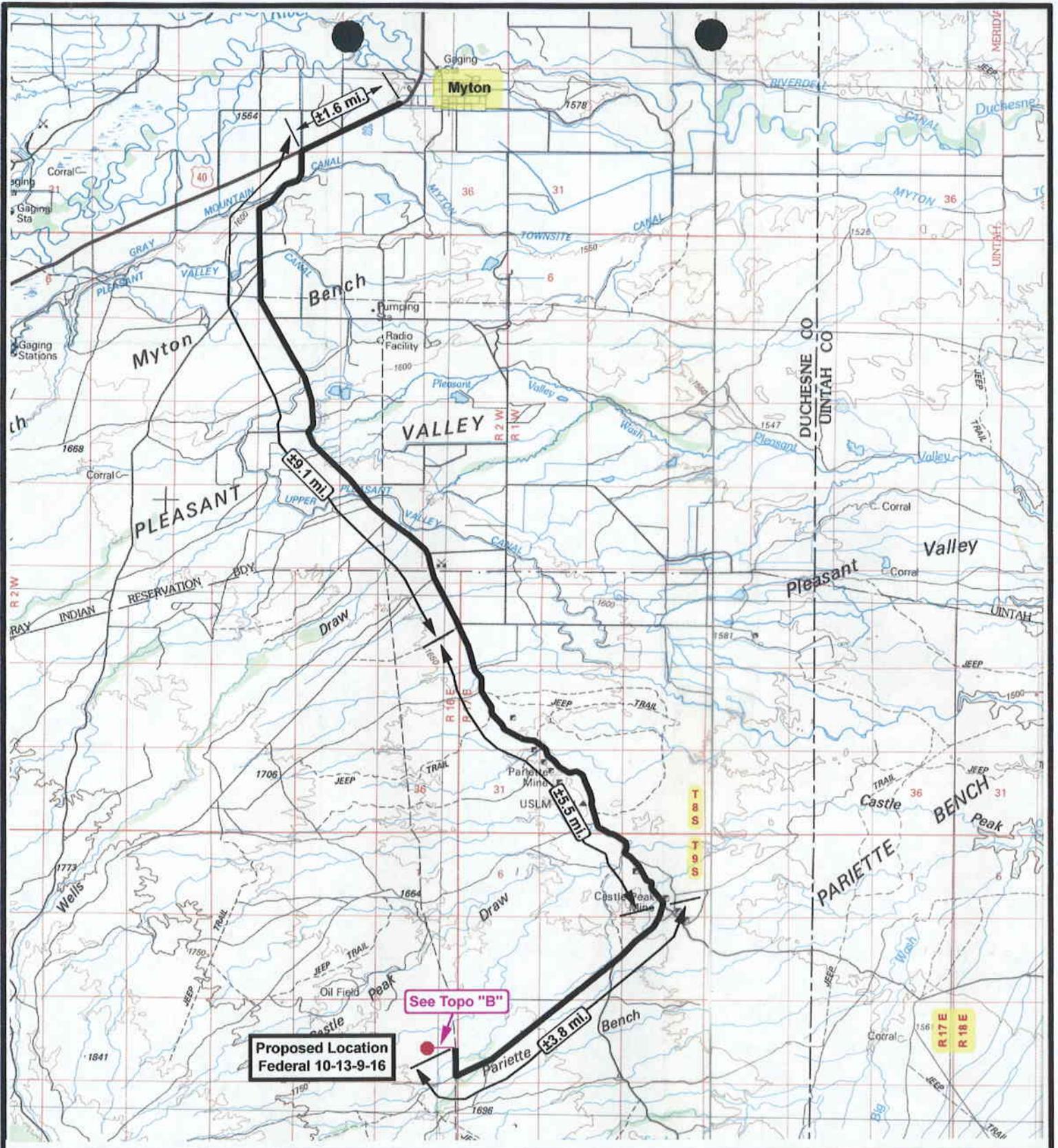
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 7-1-04

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



RESOURCES INC.

**Federal 10-13-9-16
SEC. 13, T9S, R16, S.L.B.&M.**



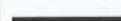
**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1 : 100,000

DRAWN BY: bgm

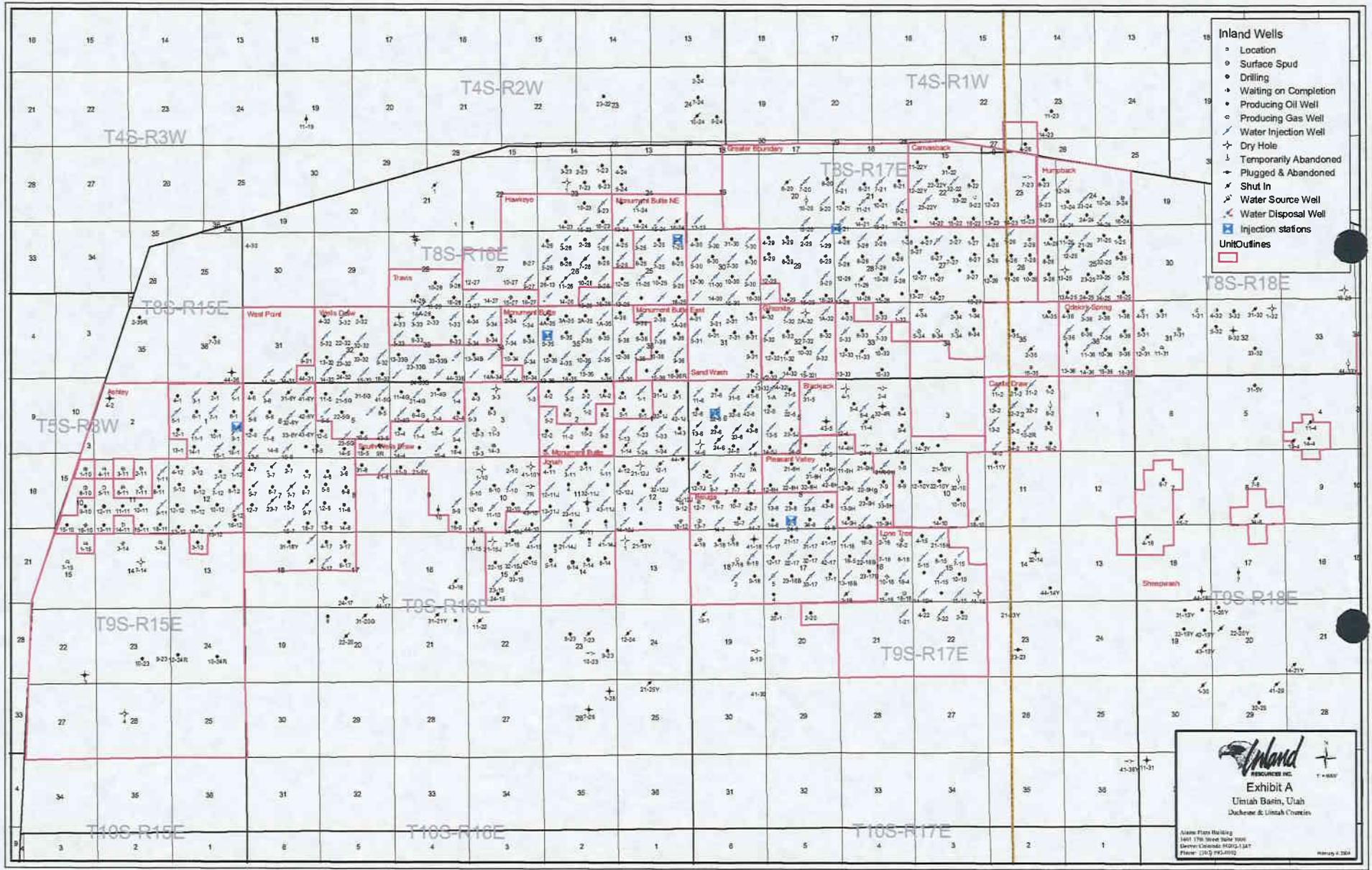
DATE: 07-30-2004

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP

"A"

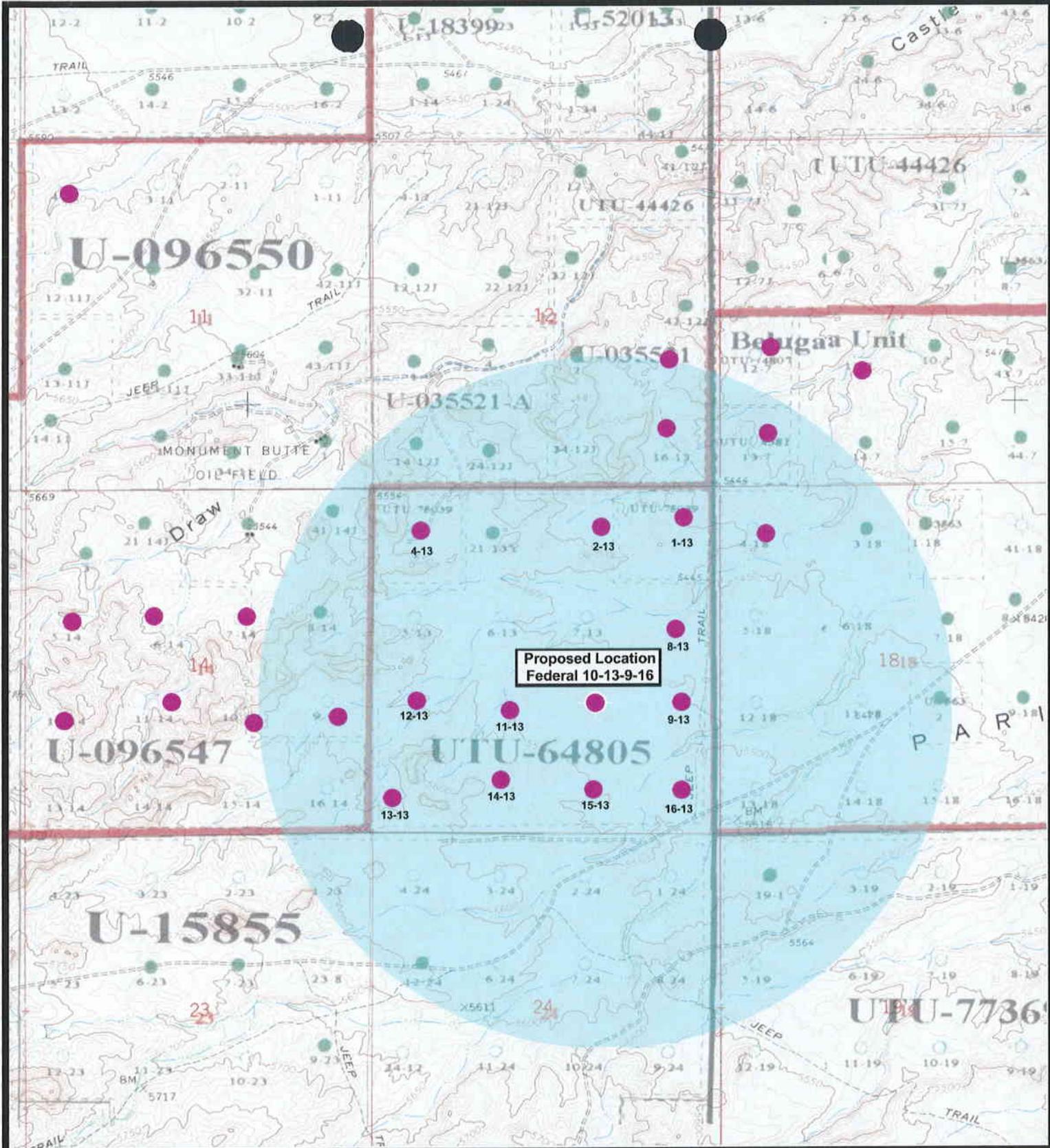


Inland
RESOURCES INC.

Exhibit A
Umah Basin, Utah
Duchow & Umah Counties

Alamo Flats Mapping
1401 17th Street Suite 3000
Denver Colorado 80202-1347
Phone: 303.954.0102

March 4, 2004



Proposed Location
Federal 10-13-9-16



RESOURCES INC.

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

Legend

- Well Locations
- One-Mile Radius

Federal 10-13-9-16
SEC. 13, T9S, R16E, S.L.B.&M.



SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: 07-30-2004

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

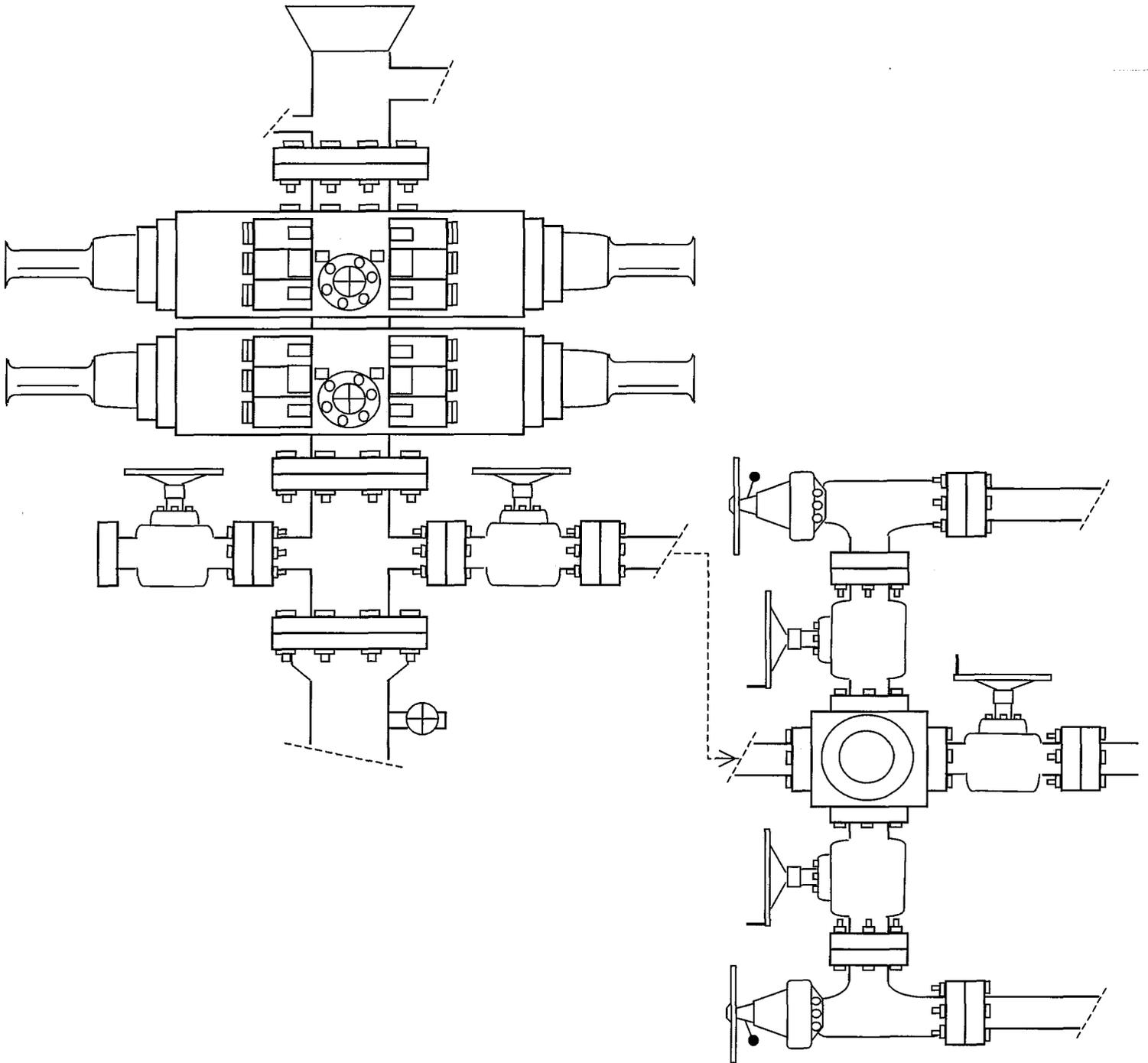


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND
RESOURCES' BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon
and
Keith Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Inland Resources
Route 3 Box 3630
Myton, UT 84052

Prepared By:

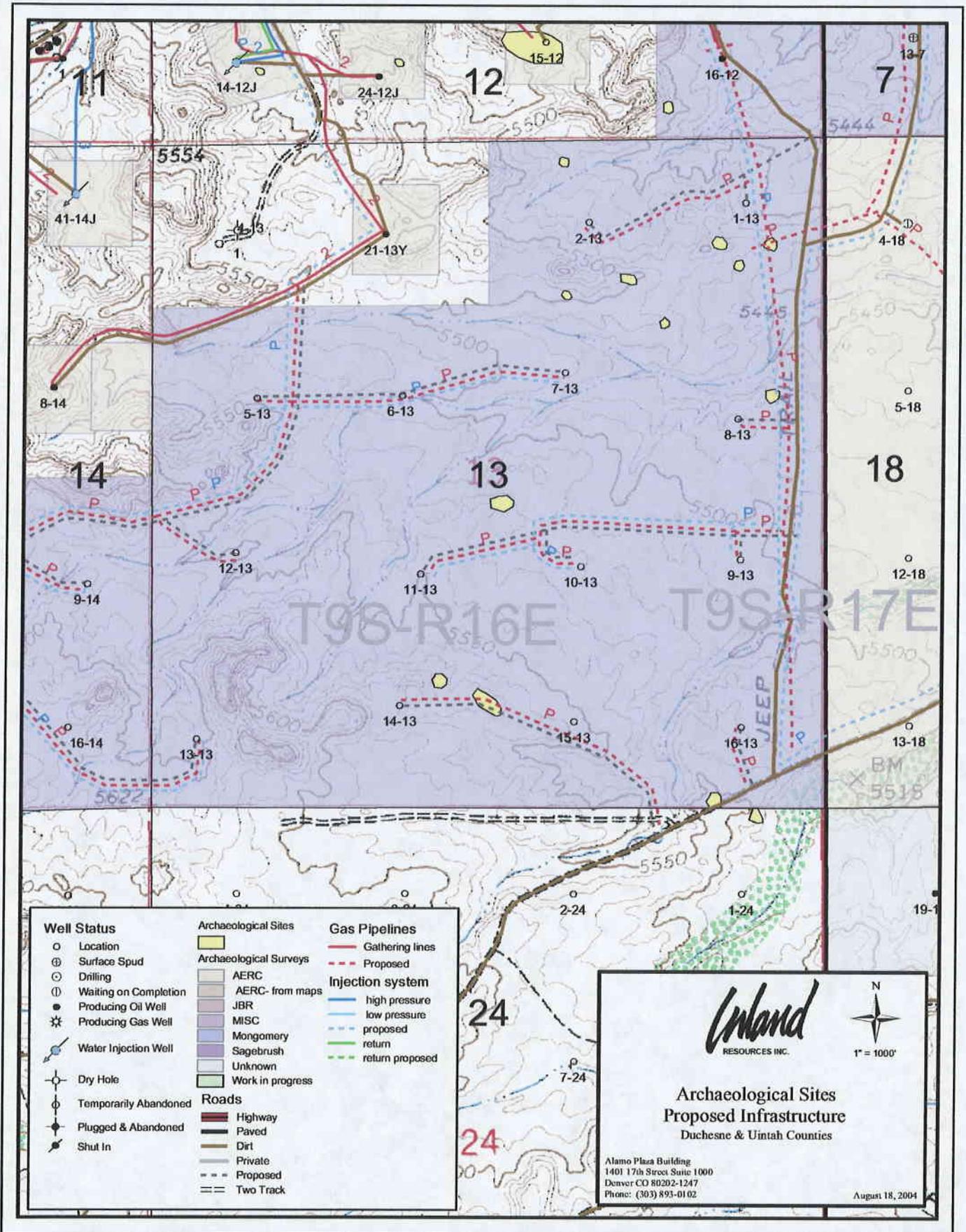
Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 04-44

May 5, 2003

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0328b



Well Status	Archaeological Sites	Gas Pipelines
○ Location	Archaeological Surveys	— Gathering lines
⊕ Surface Spud	AERC	- - - Proposed
⊙ Drilling	AERC- from maps	Injection system
⓪ Waiting on Completion	JBR	— high pressure
● Producing Oil Well	MISC	— low pressure
⊛ Producing Gas Well	Mongomery	- - - proposed
⊕ Water Injection Well	Sagebrush	— return
⊖ Dry Hole	Unknown	- - - return proposed
⊙ Temporarily Abandoned	Work in progress	
⊙ Plugged & Abandoned	Roads	
⊙ Shut In	Highway	
	Paved	
	Dirt	
	Private	
	- - - Proposed	
	== Two Track	

Inland
RESOURCES INC.

**Archaeological Sites
Proposed Infrastructure**
Dukesne & Uintah Counties

Alamo Plaza Building
1401 17th Street Suite 1000
Denver CO 80202-1247
Phone: (303) 893-0102

August 18, 2004

INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE & UINTA COUNTIES, UTAH**

Section 13, T 9 S, R 16 E [excluding NW 1/4];
Section 11, T 9 S, R 18 E [excluding NW/SW, 12-11];
Section 27, T 9 S, R 15 E [excluding NE/SW, 11-27]

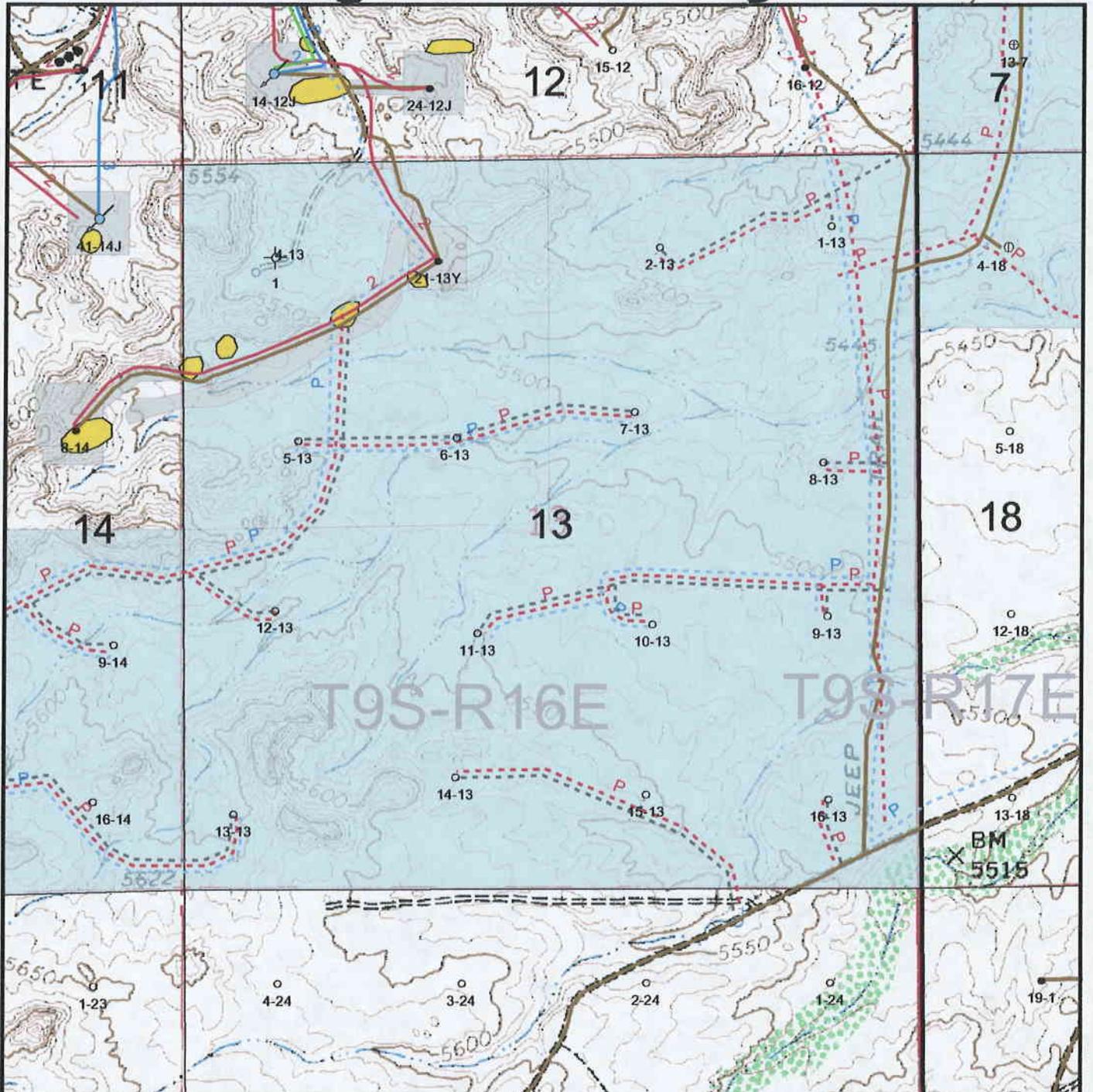
REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
April 7, 2004



Well Status	Paleontology - Sites	Gas Pipelines
○ Location	Yellow shaded area	— Gas Pipelines
⊕ Surface Spud		- - - Proposed
⊙ Drilling	Paleontology surveys	Injection system
⊖ Waiting on Completion	Hamblin	— high pressure
● Producing Oil Well	Miller	— low pressure
⊙ Producing Gas Well	Sagebrush	- - - proposed
⊕ Water Injection Well	Sheetz	— return
⊖ Dry Hole	Uinta	- - - return proposed
⊖ Temporarily Abandoned	Unknown	
⊖ Plugged & Abandoned	Roads	
⊖ Shut In	— Highway	
	— Paved	
	— Dirt	
	— Private	
	- - - Proposed	
	== Two Track	



RESOURCES INC.



1" = 1000'

**Paleontological Sites
Proposed Infrastructure**
Duchesne & Uintah Counties

Alamo Plaza Building
1401 17th Street Suite 1000
Denver CO 80202-1247
Phone: (303) 893-0102

August 18, 2004

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/20/2004

API NO. ASSIGNED: 43-013-32653

WELL NAME: FEDERAL 10-13-9-16
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSE 13 090S 160E
SURFACE: 1971 FSL 1917 FEL
BOTTOM: 1971 FSL 1917 FEL
DUCHESNE
MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-64805
SURFACE OWNER: 1 - Federal
PROPOSED FORMATION: GRRV
COALBED METHANE WELL? NO

LATITUDE: 40.02907
LONGITUDE: -110.0644

RECEIVED AND/OR REVIEWED:

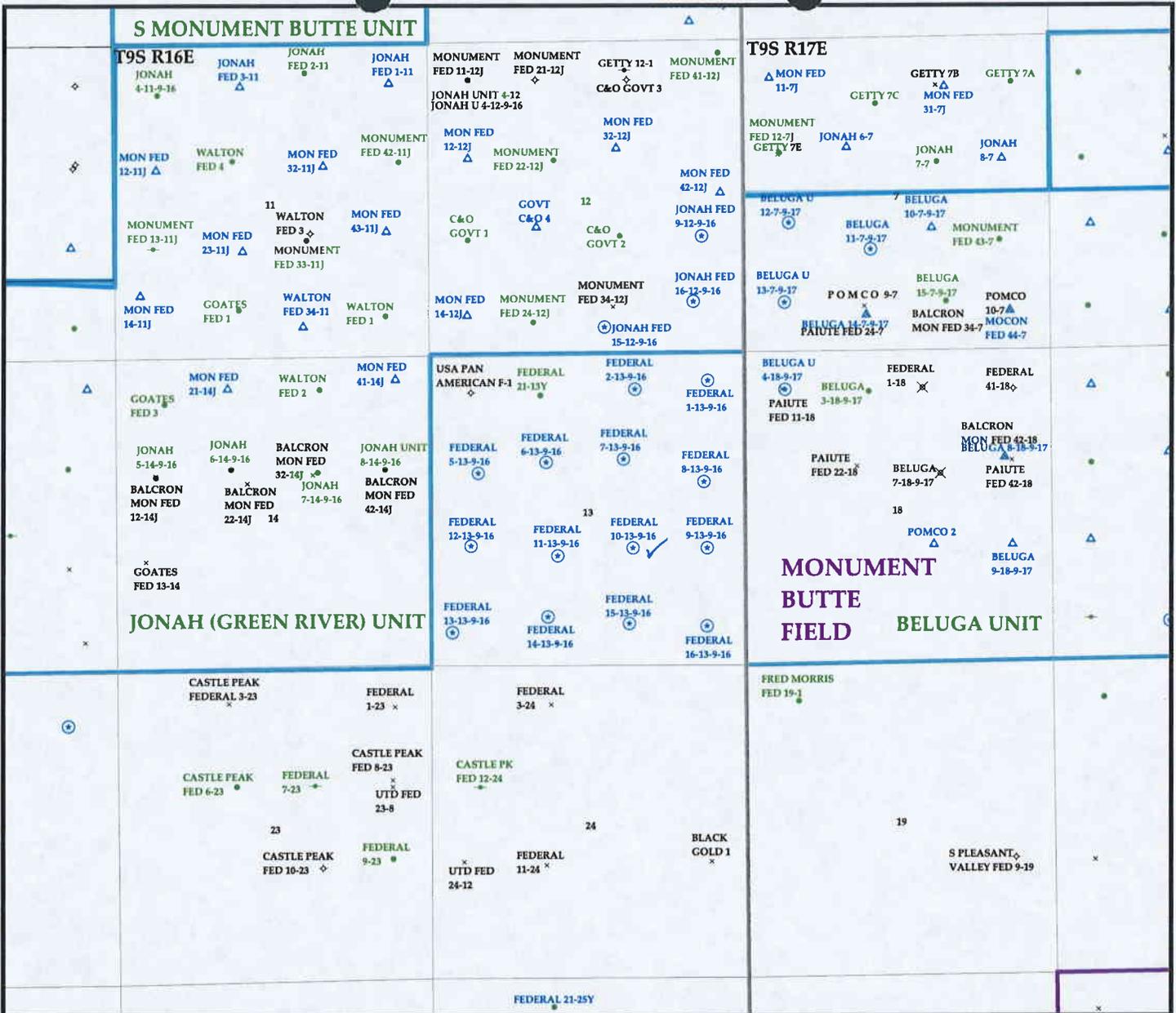
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTU0056)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

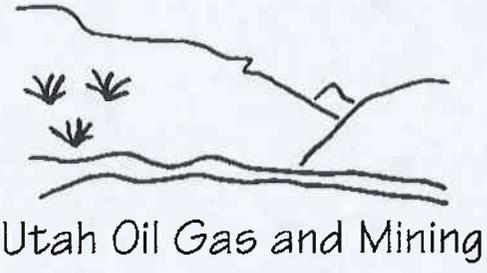
- ___ R649-2-3.
- Unit _____
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ___ R649-3-3. Exception
- ___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- ___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- RederaD approved
2- Spacing Strip



OPERATOR: INLAND PRODUCTION CO (N5160)
SEC. 13 T.9S R.16E
FIELD: MONUMENT BUTTE (105)
COUNTY: DUCHESNE
SPACING: R649-3-2 / GENERAL SITING



Wells	Units.shp	Fields.shp
♣ GAS INJECTION	□ EXPLORATORY	□ ABANDONED
⊕ GAS STORAGE	□ GAS STORAGE	□ ACTIVE
× LOCATION ABANDONED	□ NF PP OIL	□ COMBINED
⊕ NEW LOCATION	□ NF SECONDARY	□ INACTIVE
⊕ PLUGGED & ABANDONED	□ PENDING	□ PROPOSED
⊕ PRODUCING GAS	□ PI OIL	□ STORAGE
● PRODUCING OIL	□ PP GAS	□ TERMINATED
⊕ SHUT-IN GAS	□ PP GEOTHERML	
⊕ SHUT-IN OIL	□ PP OIL	
⊕ TEMP. ABANDONED	□ SECONDARY	
⊕ TEST WELL	□ TERMINATED	
⊕ WATER INJECTION		
⊕ WATER SUPPLY		
⊕ WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY
DATE: 25-AUG-2004



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

August 25, 2004

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

Re: Federal 10-13-9-16 Well, 1971' FSL, 1917' FEL, NW SE, Sec. 13, 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 43-013-32653.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

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

Operator: Inland Production Company
Well Name & Number Federal 10-13-9-16
API Number: 43-013-32653
Lease: UTU-64805

Location: NW SE Sec. 13 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.



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

006

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		9/1/2004
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 15-34-8-17	34	080S	170E	4301332628		Federal	OW	APD	K
FEDERAL 14-34-8-17	34	080S	170E	4301332629		Federal	OW	APD	K
FEDERAL 13-34-8-17	34	080S	170E	4301332630		Federal	OW	APD	K
FEDERAL 12-34-8-17	34	080S	170E	4301332631		Federal	OW	APD	K
FEDERAL 16-13-9-16	13	090S	160E	4301332647		Federal	OW	APD	K
FEDERAL 15-13-9-16	13	090S	160E	4301332648		Federal	OW	APD	K
FEDERAL 14-13-9-16	13	090S	160E	4301332649		Federal	OW	APD	K
FEDERAL 13-13-9-16	13	090S	160E	4301332650		Federal	OW	NEW	K
FEDERAL 12-13-9-16	13	090S	160E	4301332651		Federal	OW	APD	K
FEDERAL 11-13-9-16	13	090S	160E	4301332652		Federal	OW	APD	K
FEDERAL 10-13-9-16	13	090S	160E	4301332653		Federal	OW	APD	K
FEDERAL 9-13-9-16	13	090S	160E	4301332654		Federal	OW	APD	K
FEDERAL 8-13-9-16	13	090S	160E	4301332655		Federal	OW	APD	K
FEDERAL 7-13-9-16	13	090S	160E	4301332656		Federal	OW	APD	K
FEDERAL 11-20-9-16	20	090S	160E	4301332598		Federal	OW	APD	K
FEDERAL 1-22-9-16	22	090S	160E	4301332612		Federal	OW	NEW	K
FEDERAL 9-10-9-17	10	090S	170E	4301332502	14325	Federal	OW	DRL	K
FEDERAL 13-11-9-17	11	090S	170E	4301332510	14273	Federal	OW	P	K
FEDERAL 12-11-9-17	11	090S	170E	4301332544		Federal	OW	APD	K
FEDERAL 1-15-9-17	15	090S	170E	4301332596		Federal	OW	APD	K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

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

5. Lease Designation and Serial No.

UTU-64805

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 10-13-9-16

9. API Well No.

43-013-32653

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1971 FSL 1917 FEL NW/SE Section 13, T9S R16E

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

TYPE OF SUBMISSION

<input checked="" type="checkbox"/> Notice of Intent
<input type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

TYPE OF ACTION

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other Permit Extension	<input type="checkbox"/> 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 8/25/04 (expiration 8/25/05).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08-25-05
By: [Signature]

COPY SENT TO OPERATOR
Date: 8-30-05
Initials: CTD

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

8/19/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____

Title

RECEIVED

Date

Conditions of approval, if any:

AUG 22 2005

CC: Utah DOGM



**Application for Permit to Drill
Request for Permit Extension
Validation**

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

API: 43-013-32653
Well Name: Federal 10-13-9-16
Location: NW/SE Section 13, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 8/25/2004

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 NA

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

Manda Cruzis
Signature

8/19/2005
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

AUG 22 2005

RECEIVED

AUG 20 2004

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-64805

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

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

8. Lease Name and Well No.
Federal 10-13-9-16

9. API Well No.
43-013-32653

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NW/SE Sec. 13, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Inland Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NW/SE 1971' FSL 1917' FEL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
Approximatley 20.0 miles south of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1,917' f/lse, NA f/unit
560.00

16. No. of Acres in lease
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1,262'
6500'

19. Proposed Depth
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5519' GL

22. Approximate date work will start*
1st Quarter 2005

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 8/19/04
Title Regulatory Specialist

Approved by (Signature) *Thomas B. Lawrence* Name (Printed/Typed) Office Date 06/23/2005
Title Assistant Field Manager Mineral Resources

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)

RECEIVED

SEP 14 2005

DIV. OF OIL, GAS & MINING

4006M
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

04JM 1128H

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company
Well Name & Number: Federal 10-13-9-16
API Number: 43-013-32653
Lease Number: U-64805
Location: NWSE Sec. 13 T.9S R. 16E
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit to this office, in LAS format, an electronic copy of all logs run on this well
This submission will replace the requirement for submittal of paper logs to the BLM.**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874
Petroleum Engineer

Michael Lee (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

-In order to mitigate impacts to mountain plovers, no new construction or surface disturbing activities would occur during the nesting season of May 1 to June 15. If new construction or surface disturbing activities are scheduled during the nesting season, pre-construction surveys will be conducted by a qualified biologist using U.S. Fish and Wildlife's mountain plover survey guidelines to detect the presence of nesting mountain plovers.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTON COMPANY

Well Name: FEDERAL 10-13-9-16

Api No: 43-013-32653 Lease Type: FEDERAL

Section 13 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 10/26/05

Time 12:00 NOON

How DRY

Drilling will Commence: _____

Reported by RAY HERRERA

Telephone # 1-435-823-1990

Date 10/26/05 Signed CHD

RECEIVED

NOV 02 2005

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

DIV. OF OIL, GAS & MINING OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	15020	43-013-32653	FEDERAL 10-13-9-16	NWSE	13	9S	16E	DUCHESNE	10/26/05	11/3/05
WELL COMMENTS: <i>GRUV</i>											
A	99999	15021	43-047-36080	FEDERAL 16-35-8-17	SESE	35	8S	17E	UINTAH	10/27/05	11/3/05
WELL COMMENTS: <i>GRUV</i>											
B	99999	14844	43-013-32596	FEDERAL 1-15-9-17	NENE	15	9S	17E	DUCHESNE	10/31/05	11/3/05
WELL COMMENTS: <i>GRUV</i>											
A	99999	15022	43-013-32652	FEDERAL 11-13-9-16	NESW	13	9S	16E	DUCHESNE	10/31/05	11/3/05
WELL COMMENTS: <i>GRUV</i>											
A	99999	15023	43-047-36076	FEDERAL 8-35-8-17	SENE	35	8S	17E	UINTAH	11/02/05	11/3/05
WELL COMMENTS: <i>GRUV</i>											
B	99999	14844	43-013-32705	FEDERAL 4-14-9-17	NWNW	14	9S	17E	DUCHESNE	11/02/05	11/3/05
WELL COMMENTS: <i>GRUV</i>											

- ACTION CODES: See instructions on back of form
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or well well)
 - C - Reassign well from one existing entity to another existing entity
 - D - Reassign 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.

Kim Kettle
Signature Kim Kettle

Production Clerk November 2, 2005
Title Date

11/02/2005 13:09

4356463031

INLAND

PAGE 02

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Newfield Production Company

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

3b. Phone No. (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1971 FSL 1917 FEL
 NW/SE Section 13 T9S R16E

5. Lease Serial No.
 UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 FEDERAL 10-13-9-16

9. API Well No.
 4301332653

10. Field and Pool, or Exploratory Area
 Monument Butte

11. County or Parish, State
 Duchesne, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

On 10-26-05 MIRU NDSI spud rig #1. Drill 310' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 312.45'KB. On 10-28-05 Cement with 160 sks of Class "G" w/ 2% CaCl+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 6 bbls cement to pit.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Ray Herrera	Title Drilling Foreman
Signature <i>Ray Herrera</i>	Date 10/29/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ 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.	Title _____	Date _____
	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

NOV 02 2005

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 312.45

LAST CASING 8 5/8" SET AT 312.45
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD.DRILLER 310' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal 10-13-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 43.43'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.7
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	302.45
TOTAL LENGTH OF STRING	302.45	7	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	312.45
TOTAL	300.6	7		

TOTAL CSG. DEL. (W/O THRDS)	FEET	JTS	} COMPARE
	302.7	7	
TIMING	1ST STAGE		
BEGIN RUN CSG. Spud	10/26/2005	12:00 PM	GOOD CIRC THRU JOB <u>yes</u>
CSG. IN HOLE	10/27/2005	1:00 PM	Bbls CMT CIRC TO SURFACE <u>6 bbls</u>
BEGIN CIRC	10/28/2005	12:11pm	RECIPROCATED PIPE FOR <u>N/A</u>
BEGIN PUMP CMT	10/28/2005	12:24 PM	
BEGIN DSPL. CMT	10/28/2005	12:35 PM	BUMPED PLUG TO <u>690</u> PSI
PLUG DOWN	10/28/2005	12:42 PM	

CEMENT USED	CEMENT COMPANY- B. J.		
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Ray Herrera DATE 10/28/2005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.
UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
FEDERAL 10-13-9-16

9. API Well No.
4301332653

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Newfield Production Company

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

3b. Phone No. (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1971 FSL 1917 FEL
NW/SE Section 13 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

On 11/14/05 MIRU Union Rig # 14. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 255'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5800. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 130 jt's of 5.5 J-55, 15.5# csgn. Set @ 5784' / KB. Cement with 356 sks cement mixed @ 11.0 ppg & 3.43 yd. Then 476 sks cement mixed @ 14.4 ppg & 1.24 yd. With 30 bbls cement returned to pit. Nipple down Bop's. Drop slips @100,000 #'s tension. Release rig 6:00 AM 11/13/05.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Alvin Nielsen	Drilling Foreman
Signature <i>Alvin Nielsen</i>	Date 11/14/2005

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	

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(Instructions on reverse)

RECEIVED
NOV 16 2005
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5784.4

Fit clr @ 5740.85

LAST CASING 8 5/8" SET / 312'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 10-13-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Union #14

TD-DRILLER 5800 Loggers TD 5810

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3798' (6.34')					
130	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5726.85
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.3
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5786.4
TOTAL LENGTH OF STRING	5786.4	131	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	88.7	2	CASING SET DEPTH	5784.4
TOTAL	5859.85	133		

TOTAL CSG. DEL. (W/O THRDS)	5859.85	133	} COMPARE
TIMING	1ST STAGE	2nd STAGE	
BEGIN RUN CSG.	11/12/2005	7:00 PM	GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE	11/12/2005	10:30 PM	Bbbs CMT CIRC TO SURFACE <u>30</u>
BEGIN CIRC	11/12/2005	10:30 PM	RECIPROCATED PIPE FOR <u>No</u> THRU <u> </u> FT STROKE
BEGIN PUMP CMT	11/13/2005	12:48 AM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>
BEGIN DSPL. CMT	11/13/2005	1:44 AM	BUMPED PLUG TO <u>2050</u> PSI
PLUG DOWN	11/13/2005	2:07 AM.	

CEMENT USED _____ CEMENT COMPANY- **B. J.**

STAGE	# SX	CEMENT TYPE & ADDITIVES
1	356	Prem-lite II w/ 10% gel + 3% KCL, 3#/s /sk CSE + 2# sk/kolseal + 1/4#/s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	476	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT _____ SHOW MAKE & SPACING

Centralizers - Middle first, top second & third. Then every third collar for a total of 20.

COMPANY REPRESENTATIVE Alvin Nielsen DATE 11/13/2005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

FEDERAL 10-13-9-16

9. API Well No.

4301332653

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1971 FSL 1917 FEL

NW/SE Section 13 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> 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

Name (Printed/Typed)
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

12/13/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

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Title

Date

Office

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(Instructions on reverse)

RECEIVED

DEC 15 2005

DIV. OF OIL, GAS & MINING

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.

5. Lease Serial No.
UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or C/A/Agreement, Name and/or No.

8. Well Name and No.
FEDERAL 10-13-9-16

9. API Well No.
4301332653

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Newfield Production Company

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

3b. Phone No. (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1971 FSL 1917 FEL
NW/SE Section 13 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

12-22-05
CHD

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

Date: 12/13/05
By: [Signature]

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Mandie Crozier

Signature: [Signature]

Title
Regulatory Specialist

Date
12/13/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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Office _____

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(Instructions on reverse)

RECEIVED
DEC 15 2005

DIV. OF OIL, GAS & MINING

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

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Newfield Production Company

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1971 FSL 1917 FEL

NW/SE Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

FEDERAL 10-13-9-16

9. API Well No.

4301332653

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

Status report for time period 11/30/05 - 12/12/05

Subject well had completion procedures initiated in the Green River formation on 11-30-05 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5376'-5384'); Stage #2 (4988'-4997'); Stage #3(4651'-4660'),(4578'-4586'); Stage #4 (4022'-4026'),(4000'-4010'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 12-07-2005. Bridge plugs were drilled out and well was cleaned to 5725'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12-12-2005.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Lana Nebeker

Signature

Lana Nebeker

Title

Production Clerk

Date

12/21/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

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Title

Date

Office

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(Instructions on reverse)

RECEIVED

DEC 22 2005

DIV. OF OIL, GAS & MINING

(See other instructions on reverse side)

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-64805

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

7. UNIT AGREEMENT NAME
NA

1b. TYPE OF WELL

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

8. FARM OR LEASE NAME, WELL NO.
Federal 10-13-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.
43-013-32653

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 **1971' FSL & 1917' FEL (NW/SE) Sec. 13, T9S, R16E**

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA
Sec. 13, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. **43-013-32653** DATE ISSUED **8/25/04**

12. COUNTY OR PARISH **Duchesne** 13. STATE **UT**

15. DATE SPUDDED **10/26/05** 16. DATE T.D. REACHED **11/12/05** 17. DATE COMPL. (Ready to prod.) **12/12/05** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5519' GL 5531' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH MD & TVD **5800'** 21. PLUG BACK T.D., MD & TVD **5739'** 22. IF MULTIPLE COMPL. HOW MANY* **----->** 23. INTERVALS DRILLED BY **X** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 4000'-5384' 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

28. 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#	312'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5784'	7-7/8"	356 sx Premlite II and 476 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5451'	TA @ 5349'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5376'-5384'	.46"	4/32	5376'-5384'	Frac w/ 29,922# 20/40 sand in 367 bbls fluid
(LODC) 4988'-4997'	.46"	4/36	4988'-4997'	Frac w/ 30,233# 20/40 sand in 371 bbls fluid
(GB6) 4000'-4010', 4022'-4026'	.46"	4/56	4000'-4026'	Frac w/ 51,023# 20/40 sand in 430 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
12/12/05	2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	52	25	25	481

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY--API COR.
		----->				

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNATURE: *[Signature]* REGULATORY SPECIALIST
 DIV. OF OIL, GAS & MINING
 JAN 20 2006

* See instructions and sources for additional Data on Reverse Side

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);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 10-13-9-16	Garden Gulch Mkr	3475'	
				Garden Gulch 1	3680'	
				Garden Gulch 2	3792'	
				Point 3 Mkr	4056'	
				X Mkr	4308'	
				Y-Mkr	4342'	
				Douglas Creek Mkr	4569'	
				BiCarbonate Mkr	4706'	
				B Limestone Mkr	4816'	
				Castle Peak	5320'	
				Basal Carbonate	5753'	
				Total Depth (LOGGERS)	5810'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64805
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEDERAL 10-13-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013326530000
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: 1971 FSL 1917 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 13 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	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/12/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 08/07/2014. On 08/12/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/12/2014 the casing was pressured up to 1394 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 22, 2014</p>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 8/13/2014

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

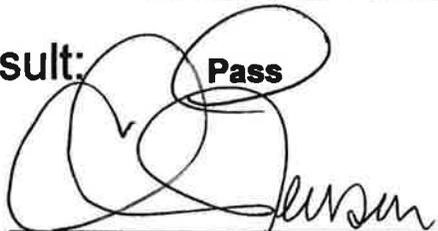
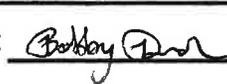
Witness: Chris Jensen Date 8/12/14 Time 10:50 am pm
Test Conducted by: Bobby DRAKE
Others Present: Troy Marx

Well: Federal 10-13-9-16 Field: Monument Butte
Well Location: NW/SE Sec 13, T9S, R16E API No: 43-013-32653

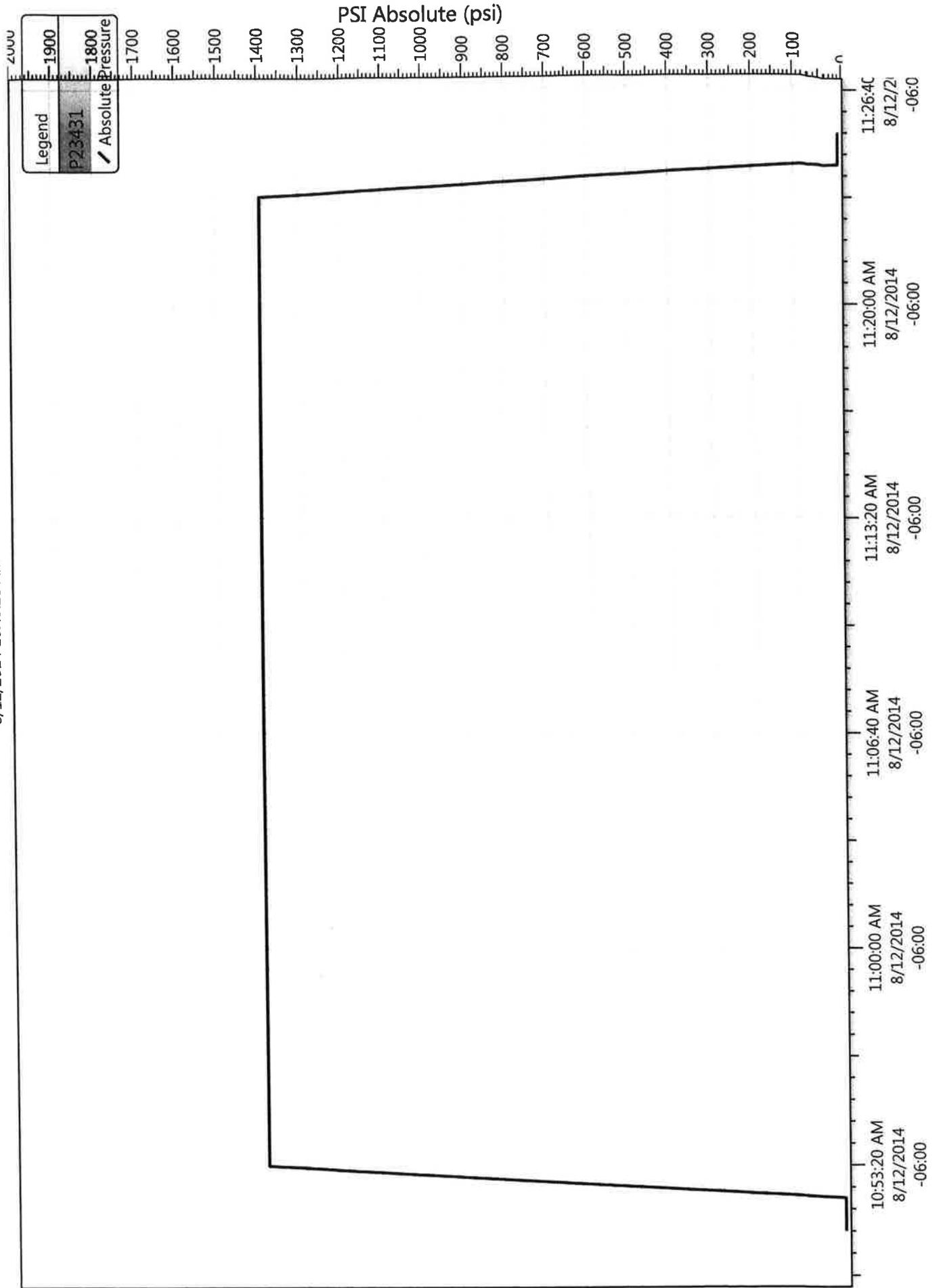
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1393</u>	psig
5	<u>1394</u>	psig
10	<u>1394</u>	psig
15	<u>1394</u>	psig
20	<u>1394</u>	psig
25	<u>1394</u>	psig
30 min	<u>1394</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: 
Signature of Person Conducting Test: 

10-13-9-16 Conversion State Witnessed (8/12/2014)
8/12/2014 10:49:28 AM





Well Name: Federal 10-13-9-16

Job Detail Summary Report

Primary Job Type Conversion	Job Start Date 8/5/2014	Job End Date 8/12/2014
--------------------------------	----------------------------	---------------------------

Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
8/5/2014	8/5/2014	MIRU
Start Time	End Time	Comment
10:00	11:00	ROADED RIG TO LOCATION
Start Time	End Time	Comment
11:00	12:00	RU RIG, RD PU, FLUSHED CSG W/ 60 BBLS @250DEG
Start Time	End Time	Comment
12:00	13:00	UNSEATED PUMP LD 2-RODS, FLUSHED TBG W/ 40 BBLS@250DEG, SOFT SEATED PUMP PT TBG TO 3K PSI, GOOD TEST
Start Time	End Time	Comment
13:00	17:00	LD ROD STRING ON TRAILER(1-3/4"X2' PONY ROD, 1-1 1/2"X22' POLISH ROD, 1-3/4"X2' PONY ROD, 100-3/4" 4-PER GUIDED RODS, 99-3/4" SLICK SUCKER RODS, 10-3/4" 4-PER GUIDED RODS, 6-1 1/2" WT BARS, 1-RHAC PUMP)
Start Time	End Time	Comment
17:00	18:00	ND WH, RELEASED TAC, NU BOPS, RD RIG FLOOR, SIWFN
Start Time	End Time	Comment
18:00	19:30	CREW TRAVEL
Report Start Date	Report End Date	24hr Activity Summary
8/6/2014	8/6/2014	TOOH BREAKING AND RE-DOPING
Start Time	End Time	Comment
05:30	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	JSA SAFETY MEETING
Start Time	End Time	Comment
07:15	11:00	TOOH 123-JTS OF 2 7/8" J-55 TBG BREAKING AND RE-DOPING EACH CONNECTION W/ LIQUID O-RING GREEN DOPE
Start Time	End Time	Comment
11:00	13:00	LD 46-JTS OF TBG ON LD TBG TRAILER
Start Time	End Time	Comment
13:00	14:00	MU INJECTION PKR ASSEMBLY(1-2 3/8" XN NIPPLE W/ RE-ENTRY GUIDE, 1-2 3/8"X4' PUP SUB, 1-2 3/8"X2 7/8" XO SWEGE, 1-STACK'D 5 1/2" PKR, 1-ON/OFF TOOL, 1-2 7/8" SEAT NIPPLE) TH 123- JTS OF 2 7/8" J-55 TBG
Start Time	End Time	Comment
14:00	15:00	PUMPED 10 BBLS, DROPPED SV, CHASED W/ 15BBLS, PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST
Start Time	End Time	Comment
15:00	16:00	RU SL, RIH W/ SL, RETRIEVED SV, POOH W/ SL/SV
Start Time	End Time	Comment
16:00	17:00	RU RIG FLOOR, ND BOPS, NU INJECTION WH
Start Time	End Time	Comment
17:00	18:00	CIRCULATED 50 BBLS OF PKR FLUID DOWN CSG, SET PKR LANDED WH IN 15K#TENSION, LOADED CSG, PRESSURED UP CSG TO 1400 PSI, SIWFN
Start Time	End Time	Comment
18:00	19:30	CREW TRAVEL
Report Start Date	Report End Date	24hr Activity Summary
8/7/2014	8/7/2014	MIT
Start Time	End Time	Comment
05:30	07:00	CREW TRAVEL



Well Name: Federal 10-13-9-16

Job Detail Summary Report

Start Time	End Time	Comment
07:00	07:15	JSA SAFETY MEETING
07:15	10:00	PRESSURED UP CSG TO 1400PSI PRESSURE BLEED OFF, RELEASED PKR, TOOH 2-JTS OF TBG, SET PKR W/ 15K# TENSION PRESSURED UP CSG TO 1400 PSI, TEST NO GOOD, TOOH 121-JTS OF TBG
10:00	12:00	MU INJECTION PKR ASSEMBLY(1-2 3/8" XN NIPPLE W/ RE-ENTRY GUIDE, 1-2 3/8"X4' PUP SUB, 1-2 3/8"X2 7/8" SWEGE, 1-5 1/2" STACK'D PKR, 1-ON/OFF TOOL, 1-2 7/8" SEAT NIPPLE), TIH 123-JTS OF TBG
12:00	13:00	PUMPED 10 BBLS DOWN TBG, DROPPED SV, PT TBG TO 3K PSI, HELD 100% FOR 30 MIN, GOOD TEST
13:00	14:00	RU SL, RIH W/ SL, RETRIEVED SV W/ SL, POOH W/ SL/SV
14:00	15:00	RU RIG FLOOR, ND BOPS, NU WH
15:00	16:00	CIRCULATED 50 BBLS OF PKR FLUID DOWN CSG, SET PKR, LANDED WH IN 15K# TENSION
16:00	17:00	PT CSG TO 1400 PSI, MIT PASSED
17:00	18:00	RD RIG, MOSL
18:00	19:30	CREW TRAVEL
Report Start Date 8/12/2014	Report End Date 8/12/2014	24hr Activity Summary Conduct MIT
Start Time 10:50	End Time 11:20	Comment On 08/11/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/12/2014 the casing was pressured up to 1394 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.

NEWFIELD

Schematic

Well Name: Federal 10-13-9-16

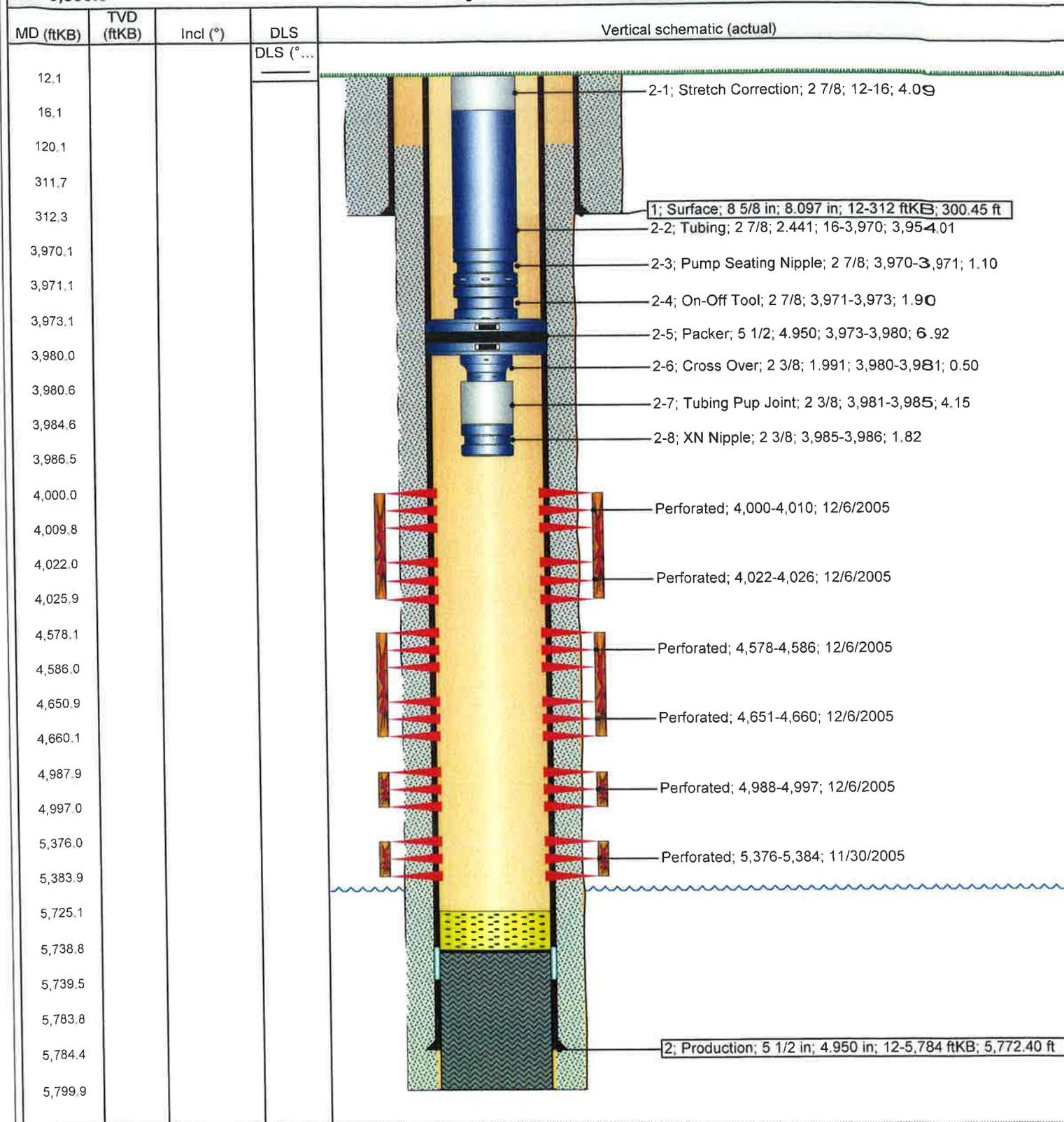
Surface Legal Location 13-9S-16E		API/UWI 43013326530000	Well RC 500151402	Lease	State/Province Utah	Field Name GMBU CT B5	County DUCHESNE
Spud Date 10/26/2005	Rig Release Date 11/13/2005	On Production Date 12/12/2005	Original KB Elevation (ft) 5,531	Ground Elevation (ft) 5,519	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,738.9	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 8/5/2014	Job End Date 8/12/2014
---------------------------------------	--------------------------------	-----------------------------	----------------------------	---------------------------

TD: 5,800.0

Vertical - Original Hole, 8/13/2014 9:04:31 AM



NEWFIELD

Newfield Wellbore Diagram Data
Federal 10-13-9-16

Surface Legal Location 13-9S-16E		API/UWI 43013326530000		Lease	
County DUCHESNE		State/Province Utah		Field Name GMBU CTB5	
Well Start Date 10/26/2005		Spud Date 10/26/2005		Final Rig Release Date 11/13/2005	
Original KB Elevation (ft) 5,531		Ground Elevation (ft) 5,519		Total Depth (ftKB) 5,800.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,738.9	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/27/2005	8 5/8	8.097	24.00	J-55	312
Production	11/12/2005	5 1/2	4.950	15.50	J-55	5,784

Cement

String: Surface, 312ftKB 10/28/2005

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 312.5	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,784ftKB 11/13/2005

Cementing Company BJ Services Company		Top Depth (ftKB) 120.0	Bottom Depth (ftKB) 5,800.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% gel + 3% KCL, 3#/s /sk CSE + 2# sk/kolseal + 1/4#/s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 356	Class Premite II	Estimated Top (ftKB) 120.0
Fluid Description 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 476	Class 50/50 POZ	Estimated Top (ftKB) 2,960.0

Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		8/5/2014		3,986.5				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Stretch Correction	1	2 7/8				4.09	12.0	16.1
Tubing	123	2 7/8	2.441	6.50	J-55	3,954.01	16.1	3,970.1
Pump Seating Nipple	1	2 7/8				1.10	3,970.1	3,971.2
On-Off Tool	1	2 7/8				1.90	3,971.2	3,973.1
Packer	1	5 1/2	4.950			6.92	3,973.1	3,980.0
Cross Over	1	2 3/8	1.991			0.50	3,980.0	3,980.5
Tubing Pup Joint	1	2 3/8				4.15	3,980.5	3,984.7
XN Nipple	1	2 3/8				1.82	3,984.7	3,986.5

Rod Strings

Rod Description		Run Date		Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,725	5,739	12/8/2005	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
4	GB6, Original Hole	4,000	4,010	4			12/6/2005
4	GB6, Original Hole	4,022	4,026	4			12/6/2005
3	D2, Original Hole	4,578	4,586	4			12/6/2005
3	C, Original Hole	4,651	4,660	4			12/6/2005
2	LODC, Original Hole	4,988	4,997	4			12/6/2005
1	CP1, Original Hole	5,376	5,384	4	120	0.460	11/30/2005

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	2,140	0.83	25.3	2,098			
2	2,320	0.9	25.2	2,092			
3	2,080	0.88	25.2	2,187			
4	1,720	0.86	25.4	1,774			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 29922 lb
2		Proppant White Sand 30233 lb
3		Proppant White Sand 75870 lb
4		Proppant White Sand 51023 lb

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64805
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 10-13-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013326530000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1971 FSL 1917 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 13 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		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/17/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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 2:10 PM on
09/17/2014.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 18, 2014**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/17/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-420

Operator: Newfield Production Company
Well: Federal 10-13-9-16
Location: Section 13, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-32653
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 1, 2014.
2. Maximum Allowable Injection Pressure: 1,694 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,792' – 5,739').
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:


John Rogers
Associate Director

9/15/2014
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\Newfield





Mark Reinbold <markreinbold@utah.gov>

water sample 10-13-9-16

1 message

Pele Okullo <pokullo@newfield.com>

Tue, Jul 29, 2014 at 1:57 PM

To: "markreinbold@utah.gov" <markreinbold@utah.gov>

Cc: Randy Huber <RHuber@newfield.com>, Jill Loyle <jloyle@newfield.com>

Mark,

Here is the latest data from the 10-13-9-16 sampled 7/17/2014.

Randy collected the sample from the producing flowline, and separated the oil/water mixture.

As odd as this water looks, and it does fit the description of a rare composition, extremely high in bicarbonates and pH, the anions/catanions do balance.

Normally we see bicarbonates 1000-2000 mg/L and pH 7.5-8.5.

Please see the cation/anion balance below highlighted in yellow, within 10% error limit that I use to determine water testing data accuracy.

I hope this helps.

Thanks,

Parameters	3	Click here to run SSP	Click here: m ³ /D, bar, C
Select the brines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Click here: m ³ /D, bar, C
Sample ID	10-13-9-16	Goal Seek SSP	Click here to output \$I
Date	7/17/2014		Click here to output \$R
Operator			
Well Name			
Location			
Field			
Na ⁺	0.61	Initial(T,P)	Final(T,P)
K ⁺ (if not known =0)	62.18	Saturation Index values	
Mg ²⁺	9.42	Calcite	
Ca ²⁺	2.66	2.04	1.90
Sr ²⁺	1.61	Barite	
Ba ²⁺	0.86	0.02	0.90
Fe ²⁺	9.01	Halite	
Zn ²⁺	0.06	-3.40	-3.37
Pb ²⁺	0.08	Gypsum	
Cl ⁻	4700.00	-2.99	-3.03
SO ₄ ²⁻	645.00	Hemihydrate	
F ⁻	0.00	-3.51	-3.73
Br ⁻	0.00	Anhydrite	
SiO ₂	19.38	-2.91	-3.18
HCO ₃ ⁻ Alkalinity	9500.00	Celestite	
CO ₃ ²⁻ Alkalinity	0.00	-1.54	-1.70
Carbonic acids	0.00	Iron Sulfide	
Ammonia	0.00	7.15	7.41
Borate	0.00	Zinc Sulfide	
TDS (from user)	26.093	11.57	12.06
Calc. Density (STP)	1.012	Calcium fluoride	
CO ₂ Gas Analysis	0.50	Iron Carbonate	
H ₂ S Gas Analysis	0.0100	4.80	4.80
Total H ₂ Ses	100.00	SiO ₂ am	
pH measured	10.00		
Gas den (lb/ft ³ at fden)	0	-2.20	-1.89
Oil Den	0	SiO ₂ or	
Water Den	100	-1.18	-0.73
		Mg Silicate	
Initial T	150.0	11.57	10.01
Final T	100.0	CaMg Silicate	
Initial P	50.0	5.32	4.83
Final P	50.0	Fe Silicate	
API Oil Grav.	33.00	19.92	19.23
Gas Sp. Grav.	0.55	pH	
MeOH Den	0	9.98	10.19
MEG Den	0	Inhibitor needed (mg/L)	
H ⁺ (Strong acid)	0.0000	Calcite	NTMP
OH ⁻ (Strong base)	0.0000	1.05	0.21
Comp. multiplier	1	Barite	NTMP
Choose calculation options (for recommended)		0.00	0.00
Four calc options	0	Gypsum	HDTMP
Use TP on Calcite sheet?	0	0.00	0.00
T, P for pH	0	Anhydrite	HDTMP
T, P for GO-W	0	0.00	0.00
Use EOS for calc	0	Viscosity (Centipoise)	
Allow Evaporation	0	0.44	0.69
Enter temperature and pressure data at which		Heat Capacity (cal/m ³ /OC)	
Temp. for pH meas.	150	0.99	0.99
Pres. for pH meas.	100		
T for brine meas.	150		
P for brine meas.	100		
Gas density at T, P	0.55		
Oil density at T, P	0.58		
Water density at T, P	1.01		
Enter reservoir fluid composition for EOS calculation			
N ₂	0.00		
CO ₂	0.00		
H ₂ S	0.00		
Cl ₁	0.00		
C ₂	0.00		
C ₃	0.01		
iC ₄	0.03		
nC ₄	0.0*		
iC ₅	0.16		
nC ₅	0.32		
C ₆	1.30		
C ₇ -C ₁₂	25.00		
C ₁₃ -C ₁₆	37.20		
C ₁₆ -C ₂₀	38.72		

Inhibitor #	Input			
Protection	120		1	NTMP
Has ScaleSoftFilter			2	RRPDP
pick inhib	0	1-Yes, 0-No	3	PAA
1 st inhibitor = n	1	*	4	DTMP
If you select Almond			5	PPCA
2 nd inhibitor = n	1	*	6	SPA
% of 1 st inhibitor = n	10	%	7	HEED
3 rd inhibitor = n	8	*	8	HDTMP
Dipole act	0	1-Yes, 0-No	9	Average
			10	Almond
Click here to run QC checks				
Quality Control Checks at STP				
Brine No.		1	2	3
H ₂ S Gas (%)				0.0018
Total H ₂ S (meq/100)				100.00
pH Calc'd (pH)				8.94
P CO ₂ Calc (%)				0.91
Alkalinity as CaCO ₃				
ECations (equiv./l)				0.27
EAations (equiv./l)				-0.30
Calc TDS (meq/l)				10.0452
Conversion of Organic Acid Concentration to Equivalent Acetic Acid Concentration				
Enter organic acid composition in cells O26 to O34. Then, use the value in O35 in a cell on Row 26.				
Weak Organic Acid	Conc. (mg/L)	Conc. (meq/L)		
Acetic Acid	790.00	13.17		
Propionic A	94.00	1.30		
Butyric A	14.00	0.18		
Valeric A	12.00	0.14		
Pentanoic A	2.00	0.02		
Hexanoic A	2.00	0.02		
4-Methyl P	2.00	0.02		
Heptanoic A	2.00	0.02		
Equivalent Acetic Acid	892.2*	14.87		
Conversion of Aqueous CO ₂ (mg/L) to CO ₂ (%) in Gas Analysis				
CO ₂ aq (mg/L)		12.58		
TDS (mg/L)		70.000		
Calc. CO ₂ (%)		1.80		
Enter the value in P39 to a cell on row 31.				
These following parameters were not used in SI calculation				
Other Cation Anions				
Cu ²⁺	(mg/L)			
Al ³⁺	(mg/L)			
Ca ²⁺	(mg/L)			
Cr ₃ ⁺	(mg/L)			
Mn ²⁺	(mg/L)			
Ni ²⁺	(mg/L)			
Sr ²⁺	(mg/L)			
Phosphate	(mg/L)			
As	(mg/L)			
Nitrite (NO ₂)	(mg/L)			
Other Properties				
Calcium H	(mg/L)			
Magnesium	(mg/L)			
Total Hard	(mg/L)			
Hardness (or am val)				
Specific Gravity (measured)				
Resistivity	ohm-cm			
Conductivity	umhos/cm			
Microbiological				
Sulfide Red Count in '2				
Aerobic B Count in '2				
Unit Conversion (From metric to English)				
From Unit	Value	To Unit	Value	
°C	16	°F	60	
m ³	100	ft ³	3.531	
m	100	in@42 US gal	679	
MPa	1,000	psia	146.074	
Bar	496	psia	7.194	
Torr	10,000	psia	193	
Gal	10,000	in@42 US gal	238	
Liters	10,000	in@42 US gal	63	

Pele Okullo

Sr Facilities Engineer.

Office: 435-646-4864

Mobile: 435-401-1800

 **FEDERAL 10-13-9-16 - NEWFIELD PRODUCTION - WellheadRandy Huber - Water -....pdf**
231K

Mark Reinbold <markreinbold@utah.gov>
To: Pele Okullo <pokullo@newfield.com>

Tue, Jul 29, 2014 at 5:12 PM

OK, I guess I will accept it. Still looks pretty high in anions. Are anions a lot heavier than cations?

[Quoted text hidden]

--
Mark L. Reinbold, Environmental Scientist
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1594 W North Temple
PO Box 145801
Salt Lake City, UT 84114-5801
Phone 801-538-5333
Fax 801-539-3940

Pele Okullo <pokullo@newfield.com>
To: Mark Reinbold <markreinbold@utah.gov>
Cc: Jill Loyle <jloyle@newfield.com>, Randy Huber <RHuber@newfield.com>

Tue, Jul 29, 2014 at 5:44 PM

One of the problems with water analysis is that potassium is normally calculated and not measured.

This is especially true at field labs like the one we use.

So if the water is unusually imbalanced with anions which are measured, imbalance is created by having the calculated cations.

Charges and MW between cations and anions are pretty similar.

Thanks,

Pele Okullo
Office: 435-646-4864
Mobile: 435-401-1800



From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Tuesday, July 29, 2014 5:12 PM
To: Pele Okullo
Subject: Re: water sample 10-13-9-16

[Quoted text hidden]

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Jacob Bird**

Well Name: **FEDERAL 10-13-9-16**

Lab Tech: **Gary Winegar**

Sample Point: **Wellhead/Randy Huber**

Sample Date: **7/17/2014**

Sample ID: **WA-280189**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	7/18/2014	Sodium (Na):	6161.19	Chloride (Cl):	9000.00
System Temperature 1 (°F):	120	Potassium (K):	62.18	Sulfate (SO4):	645.00
System Pressure 1 (psig):	2000	Magnesium (Mg):	9.42	Bicarbonate (HCO3):	9150.00
System Temperature 2 (°F):	210	Calcium (Ca):	2.65	Carbonate (CO3):	
System Pressure 2 (psig):	2000	Strontium (Sr):	1.61	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.0130	Barium (Ba):	0.86	Propionic Acid (C2H5COO)	
pH:	10.00	Iron (Fe):	9.01	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	25061.54	Zinc (Zn):	0.05	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.08	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.14	Silica (SiO2):	19.35
H2S in Water (mg/L):	0.00				

Notes:

B=11.08 Al=.03 Li=2.21

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	1.81	2.28	0.21	0.20	0.00	0.00	3.89	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	1.77	2.28	0.23	0.21	0.00	0.00	3.85	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	1.72	2.27	0.25	0.23	0.00	0.00	3.81	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	1.69	2.27	0.28	0.24	0.00	0.00	3.77	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	1.65	2.27	0.31	0.26	0.00	0.00	3.73	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	1.62	2.26	0.34	0.28	0.00	0.00	3.69	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	1.58	2.26	0.38	0.30	0.00	0.00	3.64	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	1.55	2.25	0.43	0.32	0.00	0.00	3.60	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	1.52	2.25	0.48	0.34	0.00	0.00	3.55	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	1.50	2.25	0.54	0.36	0.00	0.00	3.50	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

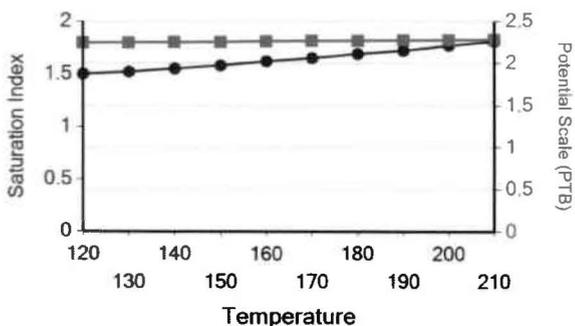
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ · 0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.04	0.00	0.00	11.96	18.82	5.31	5.02	16.89	7.01
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.04	0.00	0.00	11.66	18.82	5.16	5.02	16.72	7.01
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.04	0.00	0.00	11.35	18.82	5.00	5.02	16.53	7.01
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	0.03	0.00	0.00	11.03	18.82	4.83	5.02	16.35	7.01
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.03	0.00	0.00	10.71	18.82	4.67	5.02	16.16	7.01
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.03	0.00	0.00	10.38	18.82	4.51	5.02	15.97	7.01
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.03	0.00	0.00	10.05	18.82	4.34	5.02	15.79	7.01
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.03	0.00	0.00	9.72	18.81	4.18	5.02	15.60	7.01
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.03	0.00	0.00	9.38	18.81	4.02	5.02	15.41	7.01
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.03	0.00	0.00	9.04	18.81	3.85	5.02	15.23	7.01

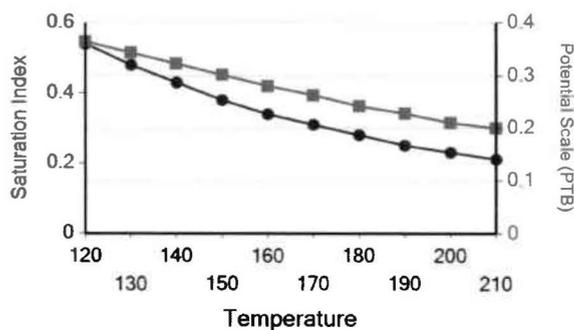
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

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

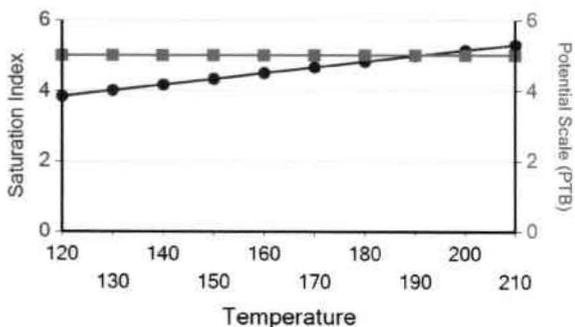
Calcium Carbonate



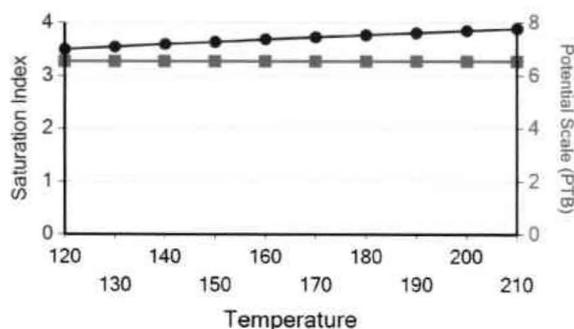
Barium Sulfate



Ca Mg Silicate

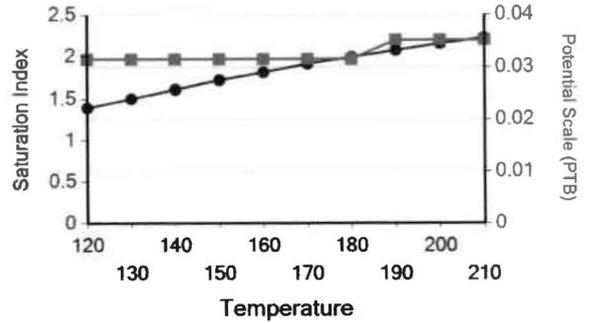


Iron Carbonate

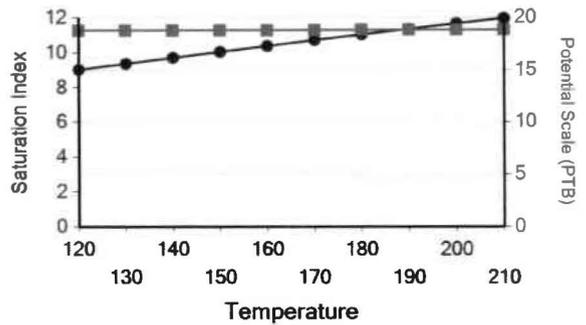


Water Analysis Report

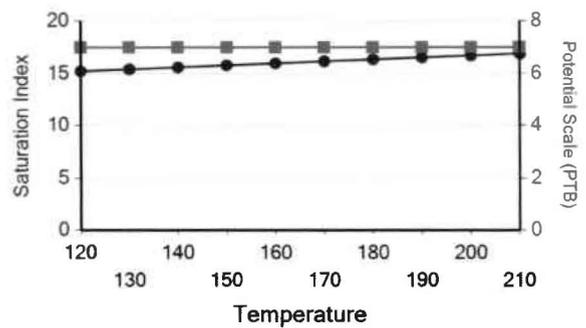
Zinc Carbonate



Mg Silicate



Fe Silicate





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

July 1, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 10-13-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32653

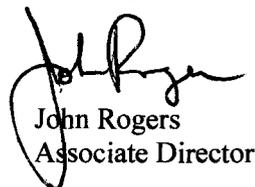
Newfield Production Company:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,792 feet in the Federal 10-13-9-16 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



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

multi-chem

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **FEDERAL 10-13-9-16**
 Sample Point: **Conversion/Randy Huber**
 Sample Date: **6/12/2014**
 Sample ID: **WA-277487**

Sales Rep: **Jacob Bird**
 Lab Tech: **Layne Wilkerson**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	6/19/2014	Sodium (Na):	3795.97	Chloride (Cl):	13000.00
System Temperature 1 (°F):	120	Potassium (K):	12.13	Sulfate (SO ₄):	991.00
System Pressure 1 (psig):	2000	Magnesium (Mg):	5.68	Bicarbonate (HCO ₃):	4200.00
System Temperature 2 (°F):	210	Calcium (Ca):	6.59	Carbonate (CO ₃):	
System Pressure 2 (psig):	2000	Strontium (Sr):	4.21	Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	1.0102	Barium (Ba):	1.68	Propionic Acid (C ₂ H ₅ COO)	
pH:	9.50	Iron (Fe):	5.07	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	22038.72	Zinc (Zn):	0.03	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.06	Fluoride (F):	
Dissolved CO ₂ (mg/L):	80.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.37	Silica (SiO ₂):	15.93
H ₂ S in Water (mg/L):	12.00				

Notes:

B=10.23 AI=.22 LI=.83

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide		
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	
210.00	2000.00	1.99	5.71	0.89	0.87	4.35	2.80	3.69	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.01
200.00	2000.00	1.94	5.70	0.91	0.88	4.35	2.80	3.65	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.01
190.00	2000.00	1.90	5.70	0.93	0.88	4.35	2.80	3.61	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.19	0.01
180.00	2000.00	1.86	5.69	0.95	0.89	4.35	2.80	3.57	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.29	0.01
170.00	2000.00	1.81	5.68	0.98	0.90	4.36	2.80	3.52	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	0.01
160.00	2000.00	1.78	5.67	1.01	0.90	4.37	2.80	3.48	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.52	0.01
150.00	2000.00	1.74	5.66	1.05	0.91	4.39	2.80	3.43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.64	0.01
140.00	2000.00	1.71	5.65	1.09	0.92	4.41	2.80	3.38	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.77	0.01
130.00	2000.00	1.67	5.65	1.14	0.93	4.45	2.80	3.34	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.91	0.01
120.00	2000.00	1.65	5.64	1.20	0.94	4.49	2.80	3.29	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.06	0.01

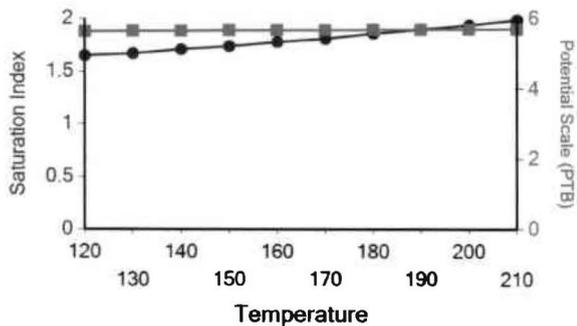
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.02	10.37	0.02	10.06	11.35	4.93	10.03	15.75	3.94
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.02	10.53	0.02	9.71	11.35	4.74	10.02	15.53	3.94
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.02	10.69	0.02	9.35	11.34	4.55	10.01	15.31	3.94
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.02	10.87	0.02	8.98	11.34	4.36	9.99	15.08	3.94
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.02	11.06	0.02	8.61	11.34	4.16	9.97	14.86	3.94
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.02	11.26	0.02	8.24	11.33	3.96	9.94	14.63	3.94
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.02	11.47	0.02	7.86	11.32	3.76	9.91	14.40	3.94
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.02	11.69	0.02	7.48	11.31	3.57	9.86	14.18	3.94
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.02	11.92	0.02	7.09	11.30	3.37	9.80	13.96	3.94
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.02	12.18	0.02	6.71	11.28	3.17	9.72	13.74	3.94

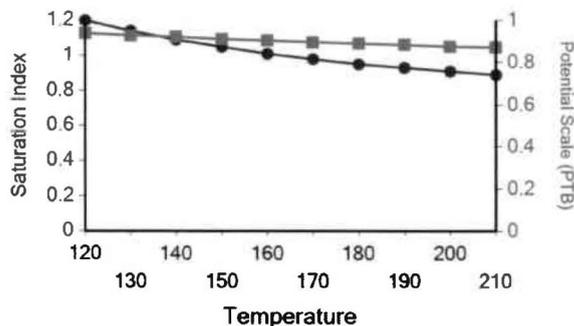
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

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

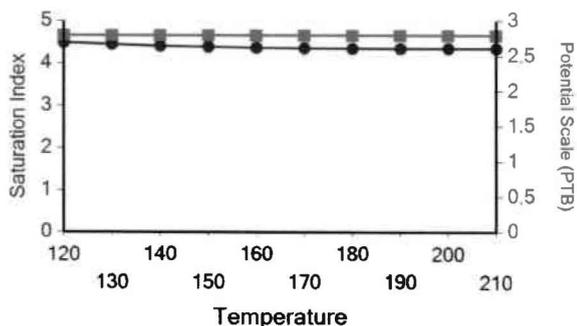
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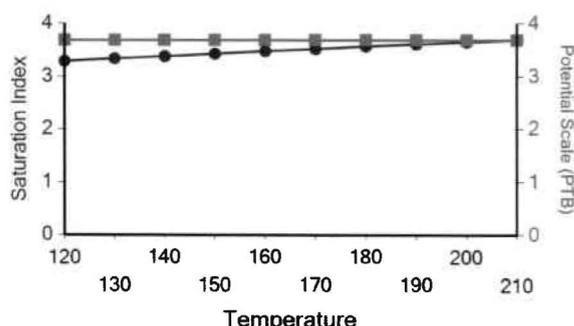
Barium Sulfate



Iron Sulfide

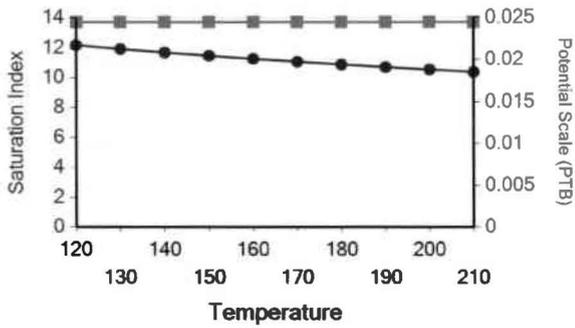


Iron Carbonate

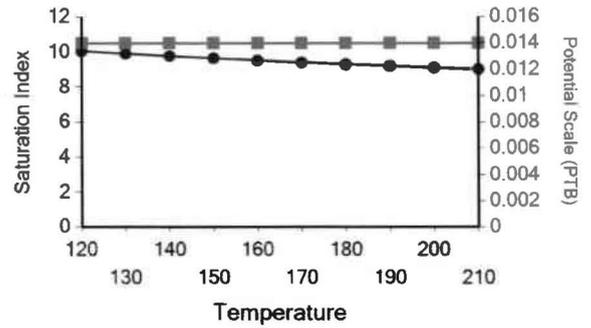


Water Analysis Report

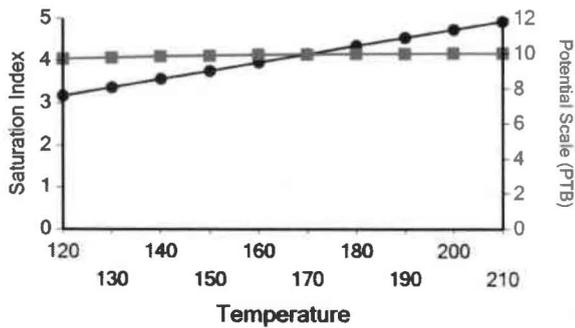
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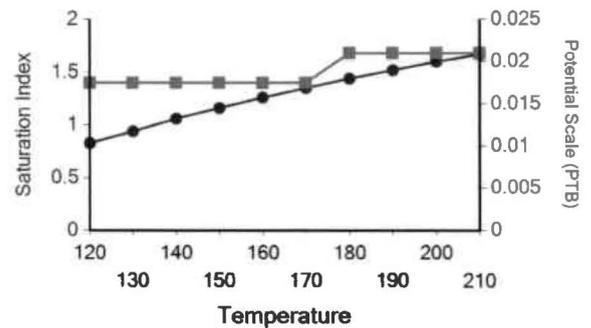
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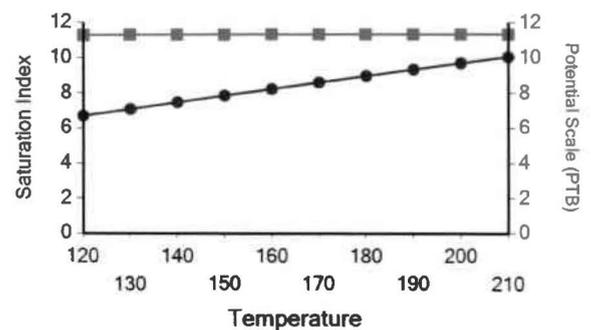
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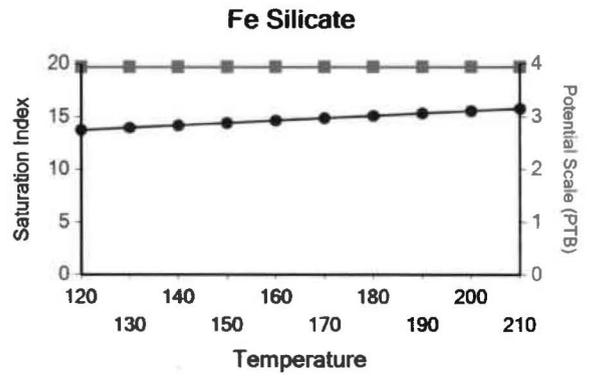
Zinc Carbonate



Mg Silicate



Water Analysis Report





Mark Reinbold <markreinbold@utah.gov>

Fed 10-13-9-16 (43-013-32653) water chemistry

9 messages

Mark Reinbold <markreinbold@utah.gov>

Wed, May 7, 2014 at 10:41 AM

To: "jloyle@newfield.com" <jloyle@newfield.com>

I'm no chemist, and I make no pretense. However, isn't there an extreme imbalance between cations and anions in this case? Is that even possible?

--

Mark L. Reinbold, Environmental Scientist
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1594 W North Temple
PO Box 145801
Salt Lake City, UT 84114-5801
Phone 801-538-5333
Fax 801-539-3940

 **20140507103353.pdf**
117K

Jill Loyle <jloyle@newfield.com>

Wed, May 7, 2014 at 10:48 AM

To: Mark Reinbold <markreinbold@utah.gov>

Mark,

I don't have a clue what you are referring to and don't even look at the reports that I send you. I am not even sure who could answer your question. Do you want me to see if we have someone to discuss this with you?

Jill Loyle

Office: 303-383-4135

NEWFIELD



From: Mark Reinbold [mailto:markreinbold@utah.gov]

Sent: Wednesday, May 07, 2014 10:41 AM

To: Jill Loyle

Subject: Fed 10-13-9-16 (43-013-32653) water chemistry

[Quoted text hidden]

Mark Reinbold <markreinbold@utah.gov>

Wed, May 7, 2014 at 10:52 AM

To: Jill Loyle <jloyle@newfield.com>

Yes, I guess I would like to ask a chemist or the lab tech. [REDACTED]

[Quoted text hidden]

Jill Loyle <jloyle@newfield.com>
To: Mark Reinbold <markreinbold@utah.gov>

Wed, May 7, 2014 at 10:52 AM

Jill Loyle

Office: 303-383-4135

NEWFIELD



From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Wednesday, May 07, 2014 10:52 AM
To: Jill Loyle
Subject: Re: Fed 10-13-9-16 (43-013-32653) water chemistry

[Quoted text hidden]

Jill Loyle <jloyle@newfield.com>
To: "Mark Reinbold (markreinbold@utah.gov)" <markreinbold@utah.gov>

Wed, May 7, 2014 at 11:09 AM

I passed this on to our Chemical Engineer (Pele Okullo) and asked him to call you. Please let me know if you don't hear from him by end of day tomorrow and I will follow up.

Thanks,

Jill Loyle

Office: 303-383-4135

NEWFIELD



From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Wednesday, May 07, 2014 10:52 AM
To: Jill Loyle
Subject: Re: Fed 10-13-9-16 (43-013-32653) water chemistry

[Quoted text hidden]

Mark Reinbold <markreinbold@utah.gov>
To: Jill Loyle <jloyle@newfield.com>

Wed, May 7, 2014 at 11:13 AM

OK, thanks. [Redacted]

[Quoted text hidden]

Jill Loyle <jloyle@newfield.com>
To: Mark Reinbold <markreinbold@utah.gov>

Wed, May 7, 2014 at 11:15 AM

[Redacted]

[Redacted]

Jill Loyle

Office: 303-383-4135

NEWFIELD



From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Wednesday, May 07, 2014 11:13 AM
To: Jill Loyle
Subject: Re: FW: Fed 10-13-9-16 (43-013-32653) water chemistry

[Quoted text hidden]

Pele Okullo <pokullo@newfield.com> Sun, May 11, 2014 at 6:50 PM
To: Jill Loyle <jloyle@newfield.com>, "markreinbold@utah.gov" <markreinbold@utah.gov>
Cc: Tim Eaton <teaton@newfield.com>

Dear Mark/Jill,

You are correct, there seems to be an error in the analysis. This is not the norm and we typically catch these when they happened. **I will resample this well and get you an accurate analysis.**

The charges (mole equivalents) do not balance in this case.

I have attached typical analysis, N-29-8-17, where the charges do balance within a 10% error limit.

I have also attached the calculation for balancing the charges. And yes the 10-13-9-16 according to the calculation has an ion imbalance.

In order to find the amount of charges, we have to use a unit that integrates both the concentration and mass of the ion and its charge. This unit is the "Equivalent".

Different ions may carry different charges. The equivalent is calculated simply by multiplying the number of moles of the ion by its charge.

For example, the molecular weight of Calcium is 40 grams/mole and it carries a positive charge of +2 (Ca^{+2}).

Therefore:

40 grams of Calcium = 1 mole X 2 = 2 equivalents.

The molecular weight of Chloride (Cl^-) is 35 grams/mole and it carries a negative charge of (-1), hence 35 grams of Cl^- = 1 mole = 1 equivalent.

Cation-anion balance is calculated by comparing the number of **equivalents** of the cations with the number of equivalents of anions.

According to the principle of electroneutrality, the total charge of an aqueous solution must be zero. Therefore, the number of positive charges must be equal to the number of negative charges.

The purpose of checking the cation-anion balance in a water analysis is to validate the water test results.

If the analysis is accurate, then the sum of equivalents of cations and anions should be nearly equal.

An error of more than 10% in the cation-anion balance might imply that the analysis is not accurate.

Thanks,

Pele Okullo

From: Jill Loyle
Sent: Wednesday, May 07, 2014 11:07 AM
To: Pele Okullo
Subject: FW: Fed 10-13-9-16 (43-013-32653) water chemistry

Hi Pele,

I received this email and report from UDOGM and he would like to talk to someone about it. Is this something that you could talk to him about? I didn't know who could help him but thought it was in your realm. Please call him if possible or pass this on to someone that can answer his questions.

Thank you,

Jill Loyle

Office: 303-383-4135

NEWFIELD



From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Wednesday, May 07, 2014 10:41 AM
To: Jill Loyle
Subject: Fed 10-13-9-16 (43-013-32653) water chemistry

I'm no chemist, and I make no pretense. However, isn't there an extreme imbalance between cations and anions in this case? Is that even possible?

[Quoted text hidden]

3 attachments

 **20140507103353.pdf**
117K

 **GRTR BNTY II N-29-8-17 .pdf**
323K

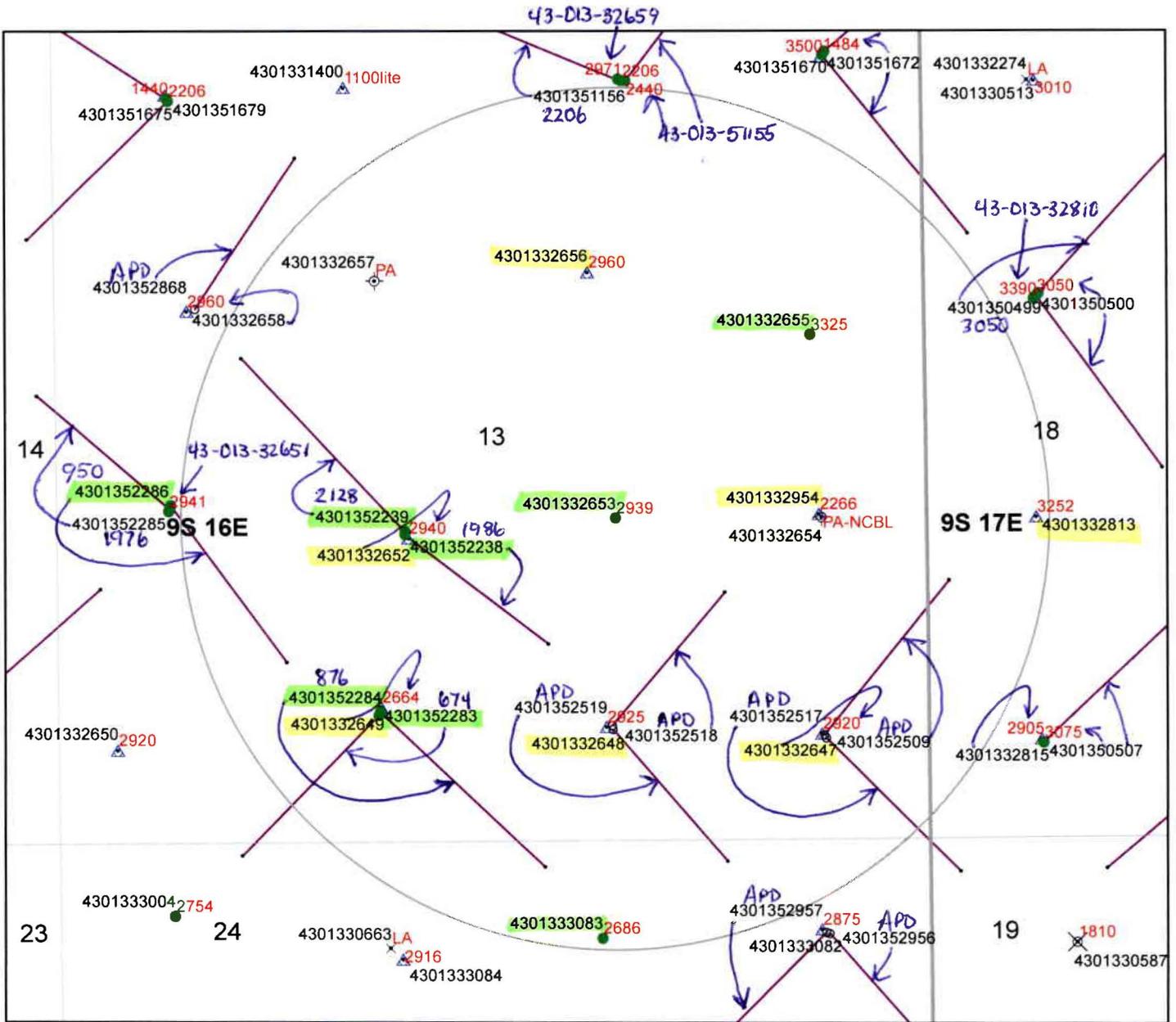
 **mole equivalent.xlsx**
13K

Mark Reinbold <markreinbold@utah.gov>
To: Pele Okullo <pokullo@newfield.com>
Cc: Jill Loyle <jloyle@newfield.com>

Tue, May 13, 2014 at 7:14 AM

Yes, I think I was trying to say something like that. Thank you.

[Quoted text hidden]

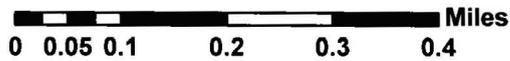


Legend

- Oil & Gas Well Type
- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} 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-Water Injection Well *in AOR*
- WSW-Water Supply Well

**Cement Bond Tops
Federal 10-13-9-16
API #43-013-32653
UIC-420.1**

(updated 6/26/2014)



- 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

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

Applicant: Newfield Production Company

Well: Federal 10-13-9-16

Location: 13/9S/16E

API: 43-013-32653

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 312 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,784 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,939 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,950 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (6/26/2014), based on surface locations, there are 7 producing wells, 7 injection wells, and 2 P/A wells in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there is 1 directional producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there is 1 approved surface location inside the AOR, from which a directional well will be drilled to a bottom hole location outside 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 1500 feet. Injection shall be limited to the interval between 3,792 feet and 5,739 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 10-13-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,694 psig. The requested maximum pressure is 1,694 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 10-13-9-16

page 2

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

Bonding: Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold

Date: 5/7/2014 (revised 6/26/2014)

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

The Salt Lake Tribune

MEDIA One
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Deseret News
WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352 RECEIVED	4/17/2014
	APR 24 2014	

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE#
8015385340	0000952488 /
SCHEDULE	
Start 04/17/2014	End 04/17/2014
CUST. REF. NO.	
CAUSE NO. UIC-420	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES	
SIZE	
73 Lines	2.00 COLUMNS
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
250.28	

**BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-420**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 16, 19, 21, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE 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 10-13-9-16 well located in NW/4 SE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32653
Federal 12-12-9-16 well located in NW/4 SW/4, Section 13, Township 9 South, Range 16 East
API 43-013-32651
State 16-16-9-16 well located in SE/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33854
Federal 8-19-9-16 well located in SE/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33101
Federal 16-21-9-16 well located in SE/4 SE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33165
Federal 12-23-9-16 well located in NW/4 SW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33179

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 14th day of April, 2014.

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

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES CAUSE NO. UIC-420 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING,** WAS PUBLISHED IN THE SALT LAKE TRIBUNE AND DESERET NEWS, A NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, 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. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104.

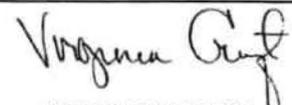
PUBLISHED ON Start 04/17/2014 End 04/17/2014

SIGNATURE 

DATE 4/17/2014

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

VIRGINIA CRAFT
NOTARY PUBLIC - STATE OF UTAH
My Comm. Exp. 01/12/2018
Commission # 672963


NOTARY SIGNATURE

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 22 day of April, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 27 day of April, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

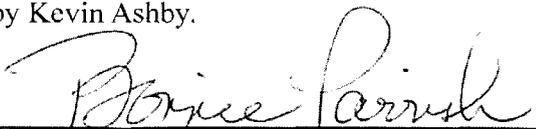


Publisher

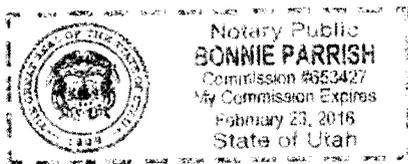
Subscribed and sworn to before me on this

23 day of April, 20 14

by Kevin Ashby.



Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING DEPART- MENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-420

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTIONS
13, 16, 19, 21, and
23, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company,
1001 17th Street,
Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative
approval of the fol-
lowing wells located
in Duchesne County,
Utah, for conversion
to Class II injection
wells:

- Greater Monument
Butte Unit:
- Federal 10-13-9-16
well located in NW/4
SE/4, Section 13,
Township 9 South,
Range 16 East
API 43-013-32653
- Federal 12-13-9-16
well located in NW/4
SW/4, Section 13,
Township 9 South,
Range 16 East
API 43-013-32651
- State 16-16-9-16
well located in SE/4
SE/4, Section 16,
Township 9 South,
Range 16 East
API 43-013-33854
- Federal 8-19-9-16
well located in SE/4
NE/4, Section 19,
Township 9 South,
Range 16 East
API 43-013-33101
- Federal 16-21-9-16
well located in SE/4
SE/4, Section 21,
Township 9 South,
Range 16 East
API 43-013-33165
- Federal 12-23-9-16
well located in NW/4
SW/4, Section 23,
Township 9 South,
Range 16 East
API 43-013-33179

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

Selected zones
in the Green River
Formation will be

Erish

Notary Public



NE/4, Section 19,
Township 9 South,
Range 16 East
API 43-013-33101
Federal 16-21-9-16
well located in SE/4
SE/4, Section 21,
Township 9 South,
Range 16 East
API 43-013-33165
Federal 12-23-9-16
well located in NW/4
SW/4, Section 23,
Township 9 South,
Range 16 East
API 43-013-33179

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Dated this 14th day of April, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MINING

/s/

Brad Hill

Published in the
Uintah Basin Standard
April 22, 2014.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-420

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 16, 19, 21, and 23, 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 10-13-9-16 well located in NW/4 SE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32653
Federal 12-13-9-16 well located in NW/4 SW/4, Section 13, Township 9 South, Range 16 East
API 43-013-32651
State 16-16-9-16 well located in SE/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33854
Federal 8-19-9-16 well located in SE/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33101
Federal 16-21-9-16 well located in SE/4 SE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33165
Federal 12-23-9-16 well located in NW/4 SW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33179

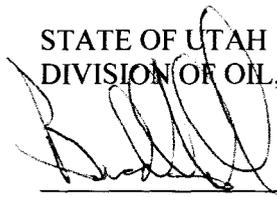
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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 14th day of April, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**FEDERAL 10-13-9-16, FEDERAL 12-13-9-16, STATE 16-16-9-16,
FEDERAL 8-19-9-16, FEDERAL 16-21-9-16, FEDERAL 12-23-9-16**

Cause No. UIC-420

Publication Notices were sent to the following:

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

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail legals@ubstandard.com

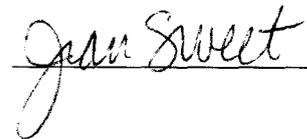
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

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

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

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





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

April 15, 2014

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-420

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

Enclosure

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-420

1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz>

Thu, Apr 17, 2014 at 2:08 PM

To: Jean Sweet <jsweet@utah.gov>

On 4/15/2014 9:08 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please 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

Received. Thank you. It will publish April 22.
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 15, 2014

Via e-mail naclegal@mediaoneutah.com

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-420

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
Executive Secretary

Enclosure

Order Confirmation for Ad #000952488-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	Payor Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154
Fax	801-359-3940	Ordered By	Acct. Exec
EEmail	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$250.28			
Payment Amt	\$0.00			
Amount Due	\$250.28	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	CAUSE NO. UIC-420	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	2.0 X 73 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	4/17/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	4/17/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	4/17/2014	

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-420

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 16, 19, 21, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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- Greater Monument Butte Unit:
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API 43-013-32653
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API 43-013-32651
- State 16-16-9-16 well located in SE/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33854
- Federal 8-19-9-16 well located in SE/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33101
- Federal 16-21-9-16 well located in SE/4 SE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33145
- Federal 12-23-9-16 well located in NW/4 SW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33179

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 14th day of April, 2014.

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

952488

UPAXLP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

April 7, 2014

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

RE: Permit Application for Water Injection Well
Federal #10-13-9-16
Monument Butte Field, Lease #UTU-64805
Section 13-Township 9S-Range 16E
Duchesne County, Utah

RECEIVED

APR 08 2014

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #10-13-9-16 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,

Jil L Loyle
Regulatory Associate



NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #10-13-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-64805
APRIL 7, 2014

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ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

Federal 10-13-9-16

Spud Date: 10/26/05
 Put on Production: 12/12/05
 GL: 5519' KB:5529'

Initial Production: BOPD 52,
 MCFD 25, BWPD 25

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.45')
 DEPTH LANDED: 312.45' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 6 bbls cmt to surf.

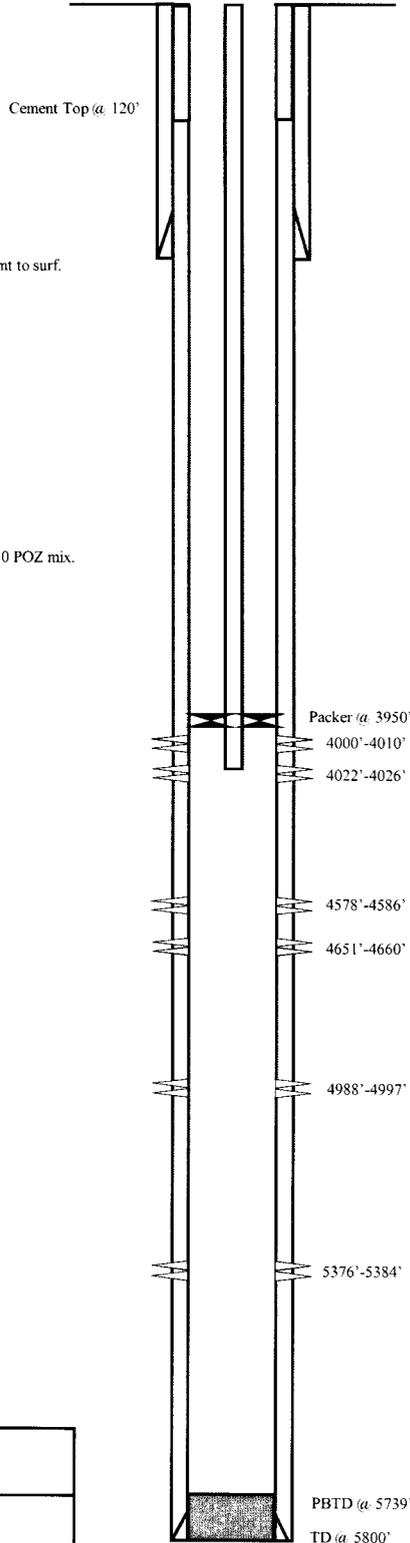
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5786.4')
 DEPTH LANDED: 5784.4' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 166 jts (5338.64')
 TUBING ANCHOR: 5348.64' KB
 NO. OF JOINTS: 1 jt (32.60')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5384.04' KB
 NO. OF JOINTS: 2 jts (65.17')
 TOTAL STRING LENGTH: EOT @ 5450.76' w/ 10' KB'

Proposed Injection Wellbore Diagram



FRAC JOB

12/06/05 5819'-5826' **Frac CPI sands as follows:**
 29,922# 20/40 sand in 367 bbls lightning
 Frac 17 fluid. Treated @ avg press of 2034 psi
 w/avg rate of 25 BPM. ISIP 2140 psi. Calc
 flush: 5817 gal. Actual flush: 5082 gal.

12/06/05 4988'-4997' **Frac LODC sands as follows:**
 30,233# 20/40 sand in 371 bbls lightning
 Frac 17 fluid. Treated @ avg press of 2069 psi
 w/avg rate of 25 BPM. ISIP 2320 psi. Calc
 flush: 4986 gal. Actual flush: 4725 gal.

12/06/05 4578'-4660' **Frac D2 & C sands as follows:**
 75,870# 20/40 sand in 574 bbls lightning Frac
 17 fluid. Treated @ avg press of 2092 psi
 w/avg rate of 25 BPM. ISIP 2080 psi. Calc
 flush: 4576 gal. Actual flush: 4326 gal.

12/06/05 4000'-4026' **Frac GB6 sands as follows:**
 51,023# 20/40 sand in 430 bbls lightning Frac
 17 fluid. Treated @ avg press of 1681 psi
 w/avg rate of 25.1 BPM. ISIP 1720 psi. Calc
 flush: 3998 gal. Actual flush: 3906 gal.

PERFORATION RECORD

11/30/05	5376'-5384'	4 JSPF	32 holes
12/06/05	4988'-4997'	4 JSPF	36 holes
12/06/05	4651'-4660'	4 JSPF	36 holes
12/06/05	4578'-4586'	4 JSPF	32 holes
12/06/05	4022'-4026'	4 JSPF	16 holes
12/06/05	4000'-4010'	4 JSPF	40 holes

NEWFIELD

Federal 10-13-9-16
 1971' FSL & 1917' FEL
 NW/SE Section 13-T9S-R16E
 Duchesne County, Utah
 API #43-013-32653; Lease #UTU-64805

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 #10-13-9-16 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 #10-13-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3792' - 5739'). 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 3474' and the TD is at 5800'.

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

The referenced log for the Federal #10-13-9-16 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-64805) 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 312' KB, and 5-1/2", 15.5# casing run from surface to 5784' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

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

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1694 psig.

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

The minimum fracture gradient for the Federal #10-13-9-16, for existing perforations (4000' - 5826') calculates at 0.86 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1694 psig. We may add additional perforations between 3474' and 5800'. See Attachments G and G-1.

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

In the Federal #10-13-9-16, the proposed injection zone (3792' - 5739') is in the Garden Gulch to the Basal Carbonate 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.

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

See Attachments E through E-15.

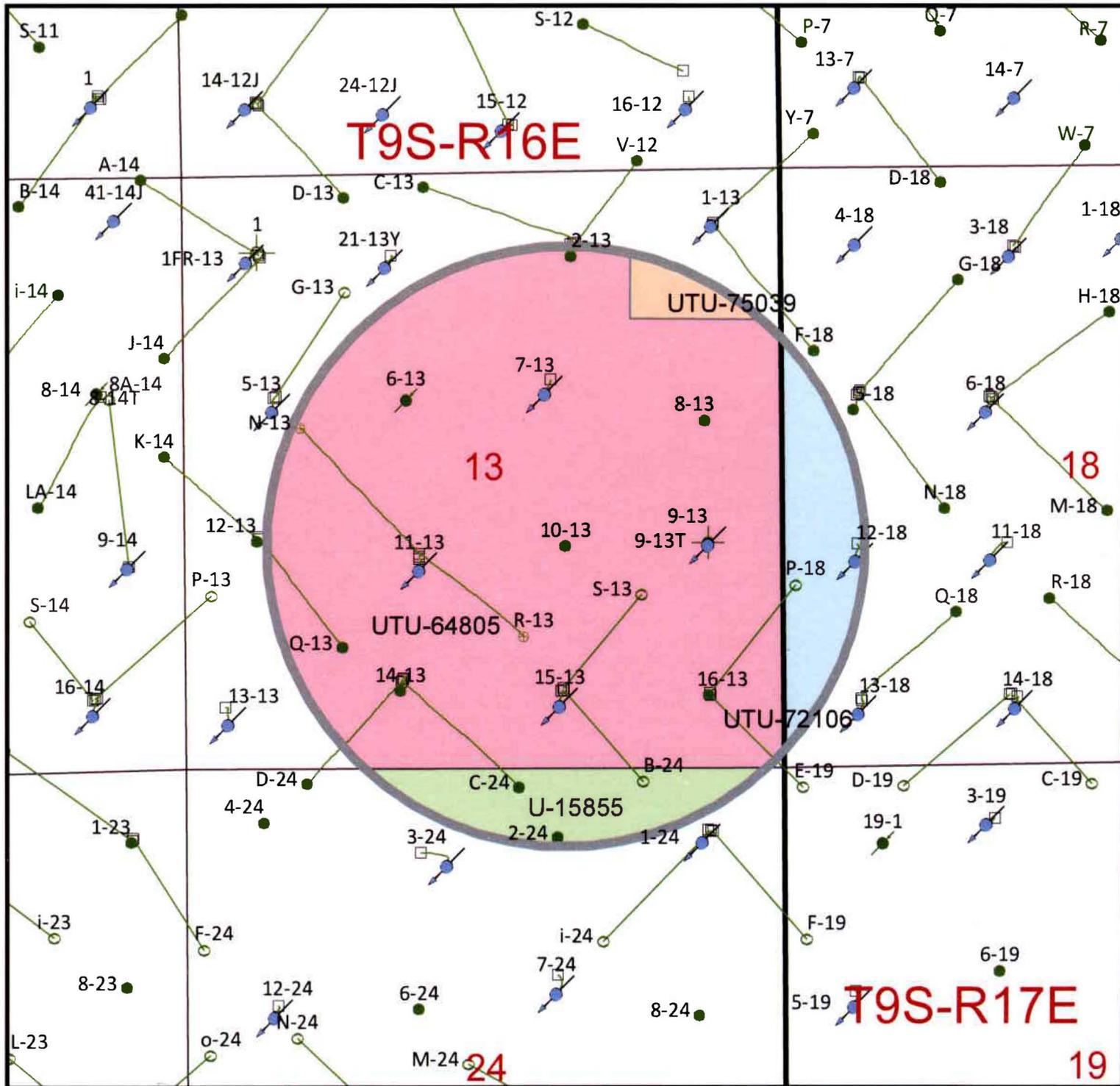
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



Lease Number

- U-15855
- UTU-64805
- UTU-72106
- UTU-75039

Well Status

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

Federal 10-13-9-16
Section 13, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS¹ in = 1,250 feet

1/2 Mile Radius Map
Duchesne County

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

Feb. 27, 2014

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
2	T9S-R16E SLM Section 13: NWNW, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
3	T9S-R17E SLM Section 7: E2SW, SE Section 17: N2, W2SE Section 18: NENE, S2NE, E2W2, NESE, S2SE Lots 1,2,3,4	USA UTU-72106 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R16E SLM Section 13: NENE, NWNW	USA UTU-75039 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 #10-13-9-16

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: _____

Jill L. Loyle
Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 7th day of April, 2014.

Notary Public in and for the State of Colorado: _____

Lydia Biondo

My Commission Expires: _____

12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Federal 10-13-9-16

Spud Date: 10/26/05
 Put on Production: 12/12/05
 GL: 5519' KB:5529'

Initial Production: BOPD 52,
 MCFD 25, BWPD 25

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.45')
 DEPTH LANDED: 312.45' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5786.4')
 DEPTH LANDED: 5784.4' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 166 jts (5338.64')
 TUBING ANCHOR: 5348.64' KB
 NO. OF JOINTS: 1 jt (32.60')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5384.04' KB
 NO. OF JOINTS: 2 jts (65.17')
 TOTAL STRING LENGTH: EOT @ 5450.76' w/ 10' KB'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
 SUCKER RODS: 1-2' x 3/4" pony rods, 100-3/4" scraped rods; 99-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC pump w/ SM Plunger
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5 SPM
 LOGS: DIG/GR/SP/CAL

FRAC JOB

12/06/05 5819'-5826' **Frac CPI sands as follows:**
 29,922# 20/40 sand in 367 bbls lightning
 Frac 17 fluid. Treated @ avg press of 2034 psi
 w/avg rate of 25 BPM. ISIP 2140 psi. Calc
 flush: 5817 gal. Actual flush: 5082 gal.

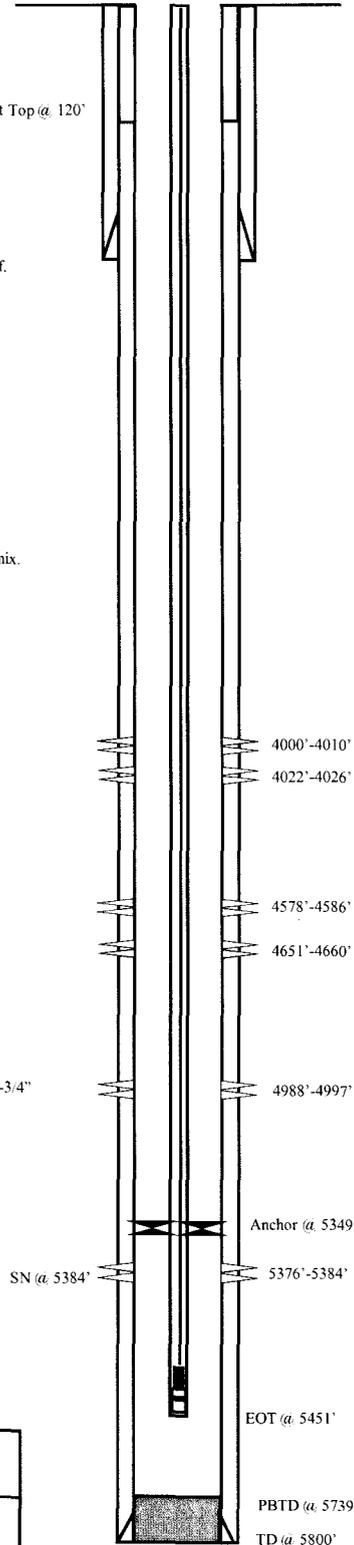
12/06/05 4988'-4997' **Frac LODC sands as follows:**
 30,233# 20/40 sand in 371 bbls lightning
 Frac 17 fluid. Treated @ avg press of 2069 psi
 w/avg rate of 25 BPM. ISIP 2320 psi. Calc
 flush: 4986 gal. Actual flush: 4725 gal.

12/06/05 4578'-4660' **Frac D2 & C sands as follows:**
 75,870# 20/40 sand in 574 bbls lightning Frac
 17 fluid. Treated @ avg press of 2092 psi
 w/avg rate of 25 BPM. ISIP 2080 psi. Calc
 flush: 4576 gal. Actual flush: 4326 gal.

12/06/05 4000'-4026' **Frac GB6 sands as follows:**
 51,023# 20/40 sand in 430 bbls lightning Frac
 17 fluid. Treated @ avg press of 1681 psi
 w/avg rate of 25.1 BPM. ISIP 1720 psi. Calc
 flush: 3998 gal. Actual flush: 3906 gal.

PERFORATION RECORD

11/30/05	5376'-5384'	4 JSPF	32 holes
12/06/05	4988'-4997'	4 JSPF	36 holes
12/06/05	4651'-4660'	4 JSPF	36 holes
12/06/05	4578'-4586'	4 JSPF	32 holes
12/06/05	4022'-4026'	4 JSPF	16 holes
12/06/05	4000'-4010'	4 JSPF	40 holes



NEWFIELD

Federal 10-13-9-16
 1971' FSL & 1917' FEL
 NW/SE Section 13-T9S-R16E
 Duchesne County, Utah
 API #43-013-32653; Lease #UTU-64805

Federal 2-13-9-16

Spud Date: 10-13-05
Put on Production: 11-30-05

GL: 5472' KB: 5484'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (301.06')
DEPTH LANDED: 312.91' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 139 jts (5815.48')
DEPTH LANDED: 5828.73' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.
CEMENT TOP AT: 60'

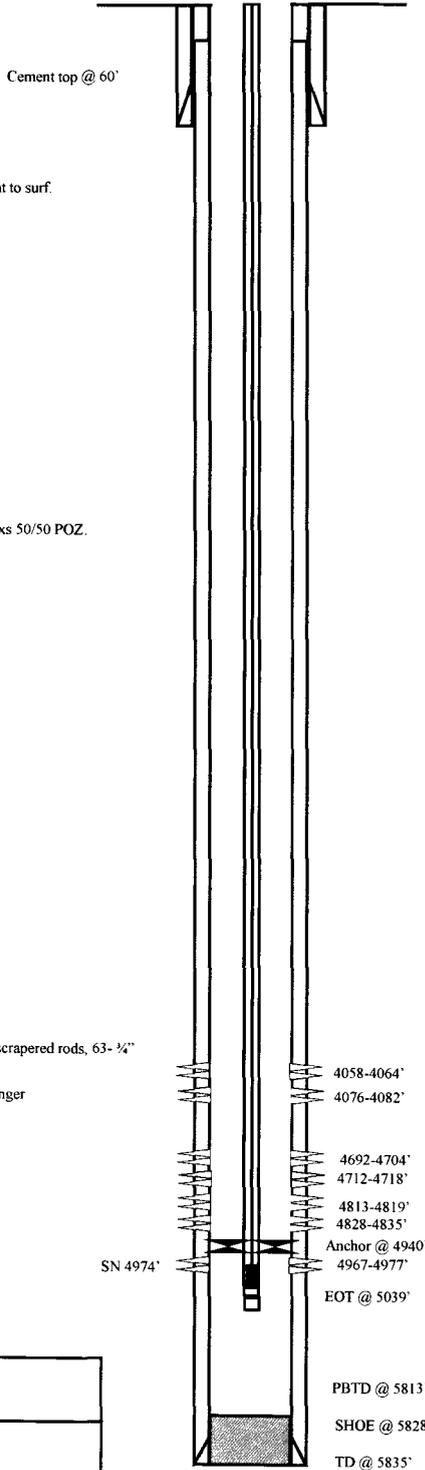
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 155 jts (4930.08')
TUBING ANCHOR: 4940.08'
NO. OF JOINTS: 1 jts (31.54')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4974.42'
NO. OF JOINTS: 2 jts (62.53')
TOTAL STRING LENGTH: EOT @ 5038.50'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-6' & 1-2' X 1/4" pony rods, 99- 3/4" scraped rods, 63- 3/4" plain rods, 30- 3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 14 1/2" RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

11-21-05	4967-4977'	Frac A1 sands as follows: 24275# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4965 gal. Actual flush: 4691 gal.
11-21-05	4813-4835'	Frac B1 sands as follows: 59177# 20/40 sand in 474 bbls Lightning 17 frac fluid. Treated @ avg press of 1679 psi w/avg rate of 24.7 BPM. ISIP 2250 psi. Calc flush: 4811 gal. Actual flush: 4599 gal.
11-22-05	4692-4718'	Frac C sands as follows: 59763# 20/40 sand in 470 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4690 gal. Actual flush: 4032 gal.
11-22-05	4058-4082'	Frac GB6 sands as follows: 31561# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 w/ avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4056 gal. Actual flush: 3948 gal.
11-30-07		Tubing Leak. Updated rod & tubing details.

PERFORATION RECORD

11-14-05	4967-4977'	4 JSPF	40 holes
11-21-05	4828-4835'	4 JSPF	28 holes
11-21-05	4813-4819'	4 JSPF	24 holes
11-22-05	4712-4718'	4 JSPF	24 holes
11-22-05	4692-4704'	4 JSPF	48 holes
11-22-05	4076-4082'	4 JSPF	24 holes
11-22-05	4058-4064'	4 JSPF	24 holes

NEWFIELD

Federal 2-13-9-16
626' FNL & 1847' FEL
NW/NE Section 13-T9S-R16E
Duchesne Co, Utah
API #43-013-32659; Lease #UTU-64805

Federal 6-13-9-16

Wellbore Diagram

P & A

Spud Date: 9/26/2005
 Put on Production:
 GL: 5514' KB: 5526'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (303.52')
 DEPTH LANDED: 313.52'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt. circ. 5.5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 132 jts. (5815.38')
 DEPTH LANDED: 5813.38'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II & 450 sxs 50:50 POZ. 9 bbls to surf.
 CEMENT TOP AT: No CBL run

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: jts (')
 TUBING ANCHOR:
 NO. OF JOINTS: 1 jts (')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT:
 NO. OF JOINTS: jts (')
 TOTAL STRING LENGTH: EOT (a)

SUCKER RODS

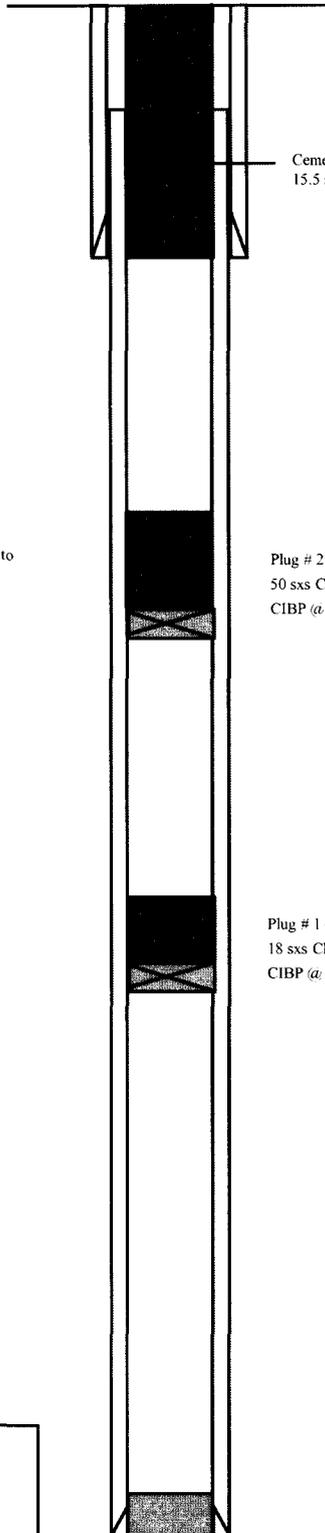
POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:

FRAC JOB

03-2006
 09/19/12

Operations Suspended

P&A - CIBP (a. 3510') TOC (a. 3355'), CIBP (a. 1400') TOC (a. 1168), 15.5 sacks Class G cement down both casings to surface. Stoney Anderton w/ BLM witnessed the P&A. Weld plate, back fill hole, dig up deadmen & cut off 3' below ground level. South Slope Reclamation to do dirt work.



Cement Plug 0'-314'
 15.5 sxs Class G Cement

Plug # 2 - Green River TOC 1168'
 50 sxs Class G Cement plug on top of CIBP
 CIBP (a. 1400'

Plug # 1 - Garden Gulch TOC (a. 3355'
 18 sxs Class G Cement plug on top of CIBP
 CIBP (a. 3510'

TD (a. 5825'

PERFORATION RECORD

NEWFIELD



Federal 6-13-9-16
 1794' FNL & 1960' FWL (SE/NW)
 Section 13, T9S, R16E
 Duchesne Co, Utah
 API # 43-013-32657; Lease # UTU-64805

Federal 7-13-9-16

Spud Date: 09-26-05
 Put on Production: 12-01-05
 GL: 5549' KB: 5561'

Injection Wellbore
 Diagram

SURFACE CASING

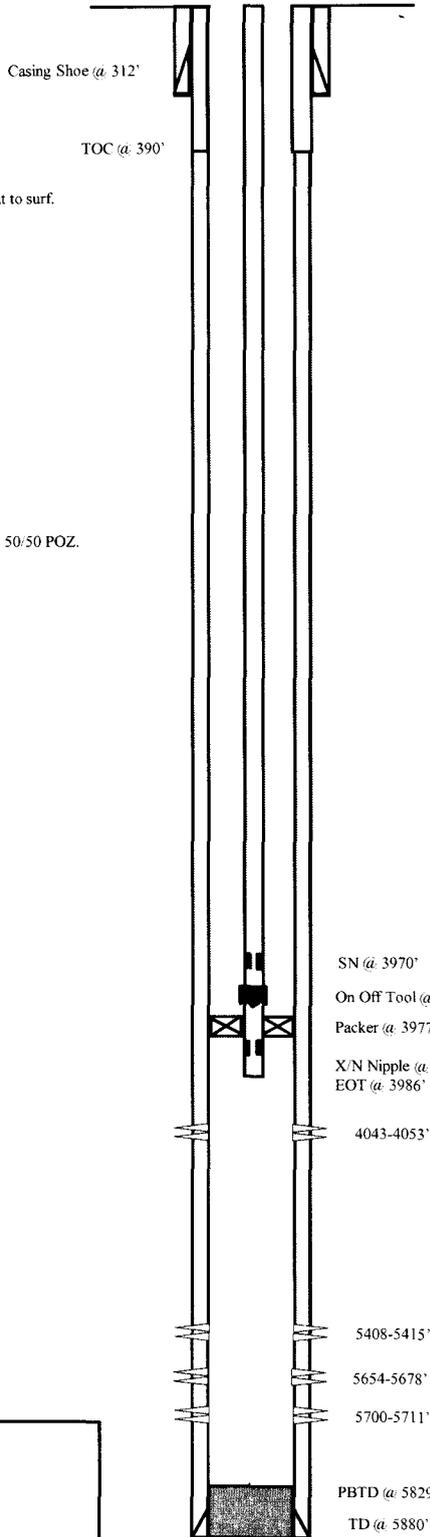
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (301.02')
 DEPTH LANDED: 311.92' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts (5829.6')
 DEPTH LANDED: 5875.35' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 390'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 122 jts (3958.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3970.5' KB
 ON/OFF TOOL AT: 3971.6'
 ARROW #1 PACKER CE AT: 3977'
 XO 2-3/8 x 2-7/8 J-55 AT: 3980.4'
 TBG PUP 2-3/8 J-55 AT: 3980.9'
 X/N NIPPLE AT: 3985'
 TOTAL STRING LENGTH: EOT @ 3986.36'



FRAC JOB

11-22-05	5654-5711'	Frac CP4, & CP5 sands as follows: 124436# 20/40 sand in 875 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5652 gal. Actual flush: 5313 gal.
11-23-05	5408-5415'	Frac CP1, sands as follows: 19462# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 1730 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 5406 gal. Actual flush: 3990 gal.
11-23-05	4043-4053'	Frac GB6 sands as follows: 47516# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1613 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4041 gal. Actual flush: 3948 gal.
8/15/08		Parted Rods. Rod & tubing updated.
09-16-11		Parted Rods. Rods & tubing updated.
11-28/12		Convert to Injection Well
11/30/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Interval	JSPF	Holes
11-17-05	5700-5711'	4	44
11-17-05	5654-5678'	4	96
11-22-05	5408-5415'	4	28
11-23-05	4043-4053'	4	40

NEWFIELD

Federal 7-13-9-16
 1807' FNL & 2034' FEL
 SW/NE Section 13-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32656; Lease #UTU-64805

Federal 8-13-9-16

Spud Date:09/02/05
 Put on Production: 11/04/05
 GL: 5479' KB: 5491'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.07')
 DEPTH LANDED: 311.97' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4.6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 132 jts. (5787.89')
 DEPTH LANDED: 5801.4' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.
 CEMENT TOP: 250'

TUBING

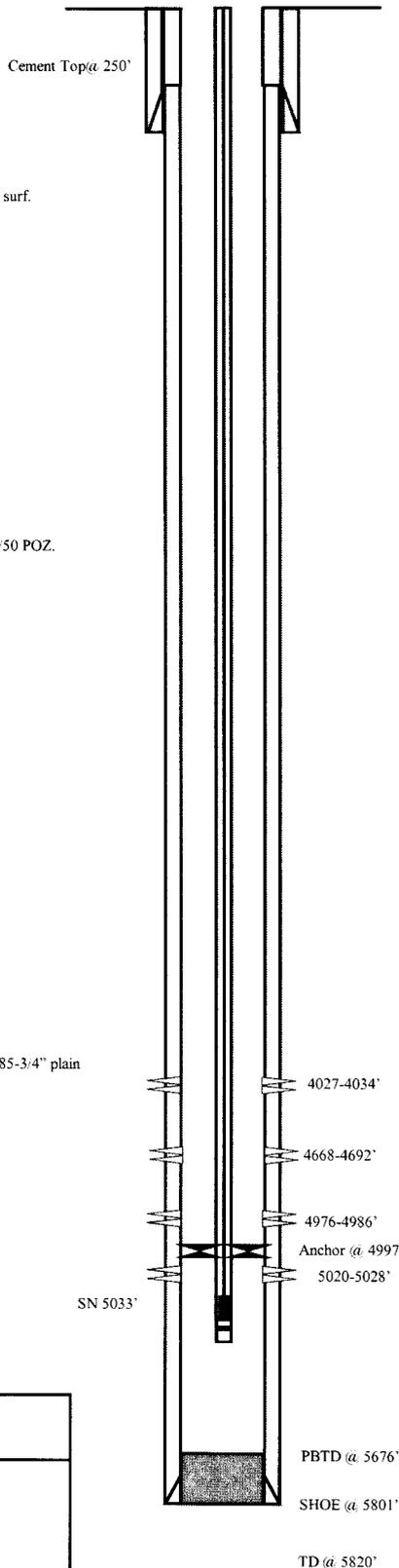
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 154 jts (4987.83')
 TUBING ANCHOR: 4997.83' KB
 NO. OF JOINTS: 1 jts (32.51')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5033.14' KB
 NO. OF JOINTS: 2 jts (64.45')
 TOTAL STRING LENGTH: EOT @ 5099.14' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 1-4' x 3/4" pony rod, 99-3/4" scraped rods, 85-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger
 STROKE LENGTH: 86"
 PUMP SPEED: 5 SPM:

FRAC JOB

10/31/05	4976-5028'	Frac A1 and A3 sands as follows: 97607# 20/40 sand in 904 bbls Lightning 17 frac fluid. Treated @ avg press of 1826 psi w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc flush: 4974 gal. Actual flush: 4956 gal.
11/01/05	4668-4692'	Frac C sands as follows: 28966# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 1530 psi w/avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4666 gal. Actual flush: 4662 gal.
11/01/05	4027-4034'	Frac GB6 sands as follows: 32224# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 1698 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4025 gal. Actual flush: 3948 gal.



PERFORATION RECORD

10/31/05	5020-5028'	4 JSPF	32 holes
10/31/05	4976-4986'	4 JSPF	40 holes
11/01/05	4668-4692'	4 JSPF	96 holes
11/01/05	4027-4034'	4 JSPF	28 holes

NEWFIELD

Federal 8-13-9-16

2187' FNL & 680' FEL

SE/NE Section 13-T9S-R16E

Duchesne Co. Utah

API #43-013-32655; Lease #UTU-64805

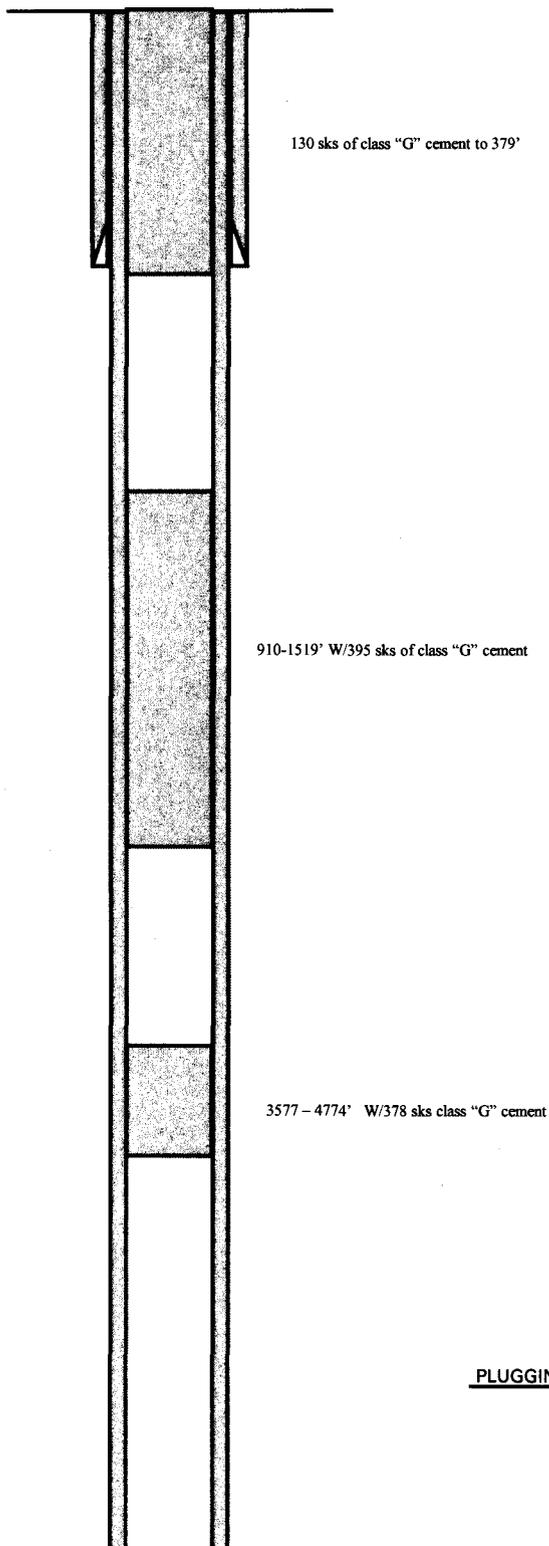
Spud Date: 8/31/05
Plugged Date: 9/22/05

Federal 9-13-9-16

P & A Diagram

SURFACE CASING

CSG SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (298.45')
DEPTH LANDED: 310.30' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit



PLUGGING PROCEDURE

NEWFIELD

Federal 9-13-9-16
1976' FSL & 660' FEL (NE/SE)
Sec.13, T9S, R16E
Duchesne Co, Utah
API #43-013-32654; Lease #UTU-64805

Federal 9-13T-9-16

Spud Date: 11/9/05
 Put on Production: 12/20/05
 GL: 5502' KB: 5512'

Initial Production: -4 BOPD,
 84 MCFD, 7 BWPD

Injection Wellbore Diagram

SURFACE CASING

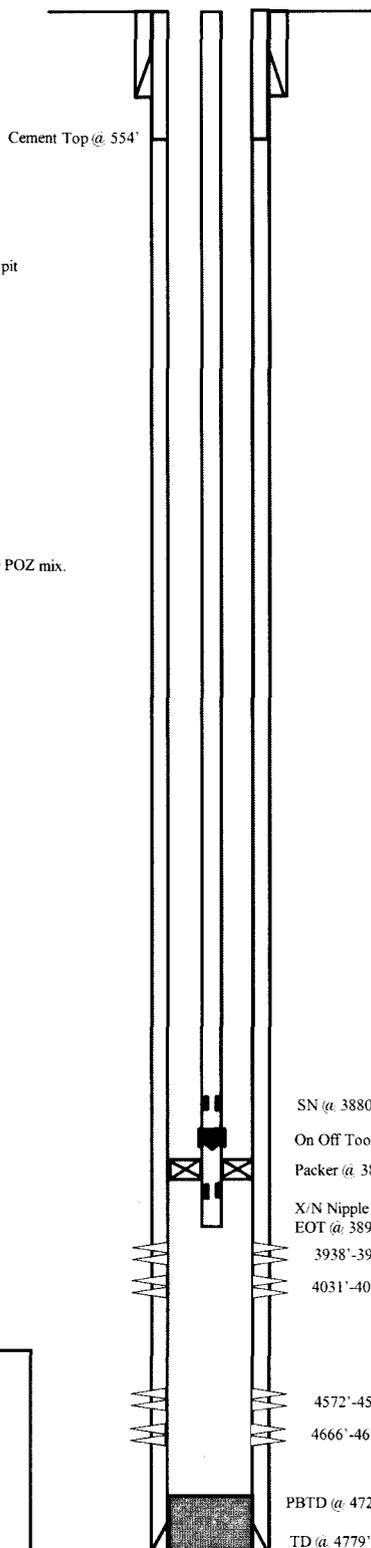
CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (310.06')
 DEPTH LANDED: 320.06' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 110 jts. (4775.93')
 DEPTH LANDED: 4773.93' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.
 CEMENT TOP AT: 554'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 117 jts (3870.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3880.3' KB
 ON/OFF TOOL AT: 3881.4'
 ARROW #1 PACKER CE AT: 3886.58'
 XO 2-3/8 x 2-7/8 J-55 AT: 3890.4'
 TBG PUP 2-3/8 J-55 AT: 3891'
 X/N NIPPLE AT: 3895.1'
 TOTAL STRING LENGTH: EOT @ 3896.63'



FRAC JOB

12/16/05 4666'-4674' **Frac C sands as follows:**
 68,278#s of 20/40sand in 535 bbls lightning
 17 frac fluid. Treated @ avg press of 1693.
 w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc
 flush: 4664 gal. Actual flush: 4200 gal.

12/16/05 4572'-4580' **Frac D2 sands as follows:**
 79,385#s of 20/40 sand in 586 bbls lightning
 17 frac fluid. Treated @ avg press of 1800.
 w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc
 flush: 4570 gal. Actual flush: 4074 gal.

12/16/05 4031'-4037' **Frac GB6 sands as follows:**
 18,981#s of 20/40 sand in 253 bbls
 lightning 17 frac fluid. Treated @ avg press
 of 1950, w/avg rate of 24.7 bpm. ISIP 1800
 psi. Calc flush: 4029 gal. Actual flush: 3586
 gal.

12/16/05 3938'-3946' **Frac GB4 sands as follows:**
 35,084#s of 20/40 sand in 358 bbls
 lightning 17 frac fluid. Treated @ avg press
 of 1760, w/avg rate of 24.7 bpm. ISIP 2200
 psi. Calc flush: 3936 gal. Actual flush: 3864
 gal.

07-17-06 **Pump Change.** Rod & Tbg Detail Updated.
 08/23/13 **Convert to Injection Well**
 08/27/13 **Conversion MIT Finalized** - update tbg
 detail

PERFORATION RECORD

12/16/05	3938'-3946'	4 JSPF	32 holes
12/16/05	4031'-4037'	4 JSPF	24 holes
12/16/05	4572'-4580'	4 JSPF	32 holes
12/15/05	4666'-4674'	4 JSPF	32 holes



Federal 9-13T-9-16
 2001' FSL & 660' FEL
 NE/SE Section 13-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32954; Lease #UTU-64805

Federal 11-13-9-16

Spud Date: 10/31/05
 Put on Production: 12/14/05
 GL: 5444' KB:5454'

Initial Production: BOPD 51,
 MCFD 39, BWPD 28

Injection Wellbore Diagram

SURFACE CASING

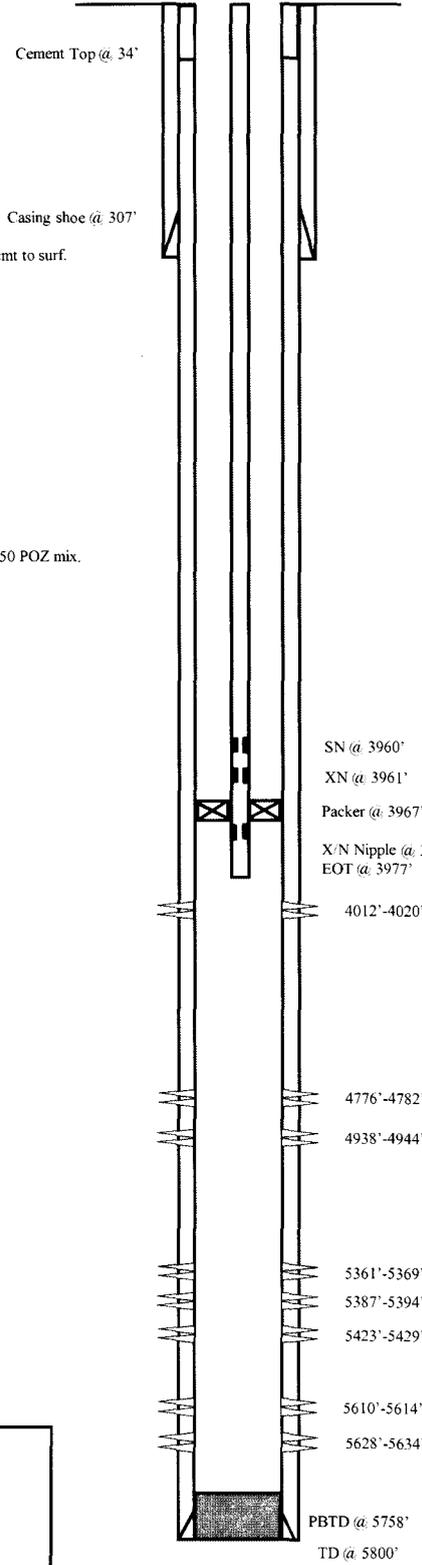
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (296.83')
 DEPTH LANDED: 306.83' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 132 jts. (5791.7')
 DEPTH LANDED: 5789.7' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sx Prem. Lite II mixed & 450 sx 50:50 POZ mix.
 CEMENT TOP AT: 34'

TUBING

SIZE GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 122 jts (3950.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3960.3' KB
 X NIPPLE AT: 3961.4'
 ARROW #1 PACKER CE AT: 3966.63'
 XO 2-3/8 x 2-7/8 J-55 AT: 3970.4'
 TBG PUP 2-3/8 J-55 AT: 3970.9'
 X/N NIPPLE AT: 3975.1'
 TOTAL STRING LENGTH: EOT @ 3976.58'



FRAC JOB

12/09/05 5610'-5634' **Frac CP4 sands as follows:**
 40,198# 20/40 sand in 394 bbls lightning
 Frac 17 fluid. Treated @ avg press of 1703 psi
 w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc
 flush: 5608 gal. Actual flush: 5007 gal.

12/09/05 5361'-5429' **Frac CP1 & CP2 sands as follows:**
 95,683# 20/40 sand in 703 bbls lightning
 Frac 17 fluid. Treated @ avg press of 1593 psi
 w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc
 flush: 5359 gal. Actual flush: 4775 gal.

12/10/05 4938'-4944' **Frac A1 sands as follows:**
 20,953# 20/40 sand in 278 bbls lightning Frac
 17 fluid. Treated @ avg press of 1972 psi
 w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc
 flush: 4936 gal. Actual flush: 4368 gal.

12/10/05 4776'-4782' **Frac B1 sands as follows:**
 36,114# 20/40 sand in 380 bbls lightning Frac
 17 fluid. Treated @ avg press of 2210psi
 w/avg rate of 24.9 BPM. ISIP 1975 psi. Calc
 flush: 4774 gal. Actual flush: 3822 gal.

12/10/05 4012'-4020' **Frac GB4 sands as follows:**
 19,329# 20/40 sand in 268 bbls lightning Frac
 17 fluid. Treated @ avg press of 1347psi
 w/avg rate of 14.3 BPM. ISIP 1700 psi. Calc
 flush: 4010 gal. Actual flush: 3927 gal.

06/28/07 **Pump Change.** Update rod and tubing details.
 02/19/13 **Convert to Injection Well**
 02/19/13 **Conversion MIT Finalized** - update tbg
 detail

PERFORATION RECORD

Date	Depth Range	Tool	Holes
12/05/05	5628'-5634'	4 JSPF	24 holes
12/05/05	5610'-5614'	4 JSPF	16 holes
12/09/05	5423'-5429'	4 JSPF	24 holes
12/09/05	5387'-5394'	4 JSPF	28 holes
2/09/05	5361'-5369'	4 JSPF	32 holes
12/09/05	4938'-4944'	4 JSPF	24 holes
2/10/05	4776'-4782'	4 JSPF	24 holes
12/10/05	4012'-4020'	4 JSPF	32 holes



Federal 11-13-9-16
 1855' FSL & 2103' FWL
 NE/SW Section 13-T9S-R16E
 Duchesne County, Utah
 API #43-013-32652; Lease #UTU-64805

Federal 12-13-9-16

Spud Date: 9-29-05
 Put on Production: 11-23-05
 GL: 5490' KB: 5502'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (304.74')
 DEPTH LANDED: 315.64' 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: 133 jts. (5714.51')
 DEPTH LANDED: 5668.64' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 250'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 166 jts (5344.2')
 TUBING ANCHOR: 5356.2' KB
 NO. OF JOINTS: 2 jts (64.50')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5423.5' KB
 NO. OF JOINTS: 2 jts (62.44')
 TOTAL STRING LENGTH: EOT @ 5487' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 100- 3/4" guided rods, 94- 3/4" guided rods, 16- 3/4" guided rods, 6- 1/2" weight rods
 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

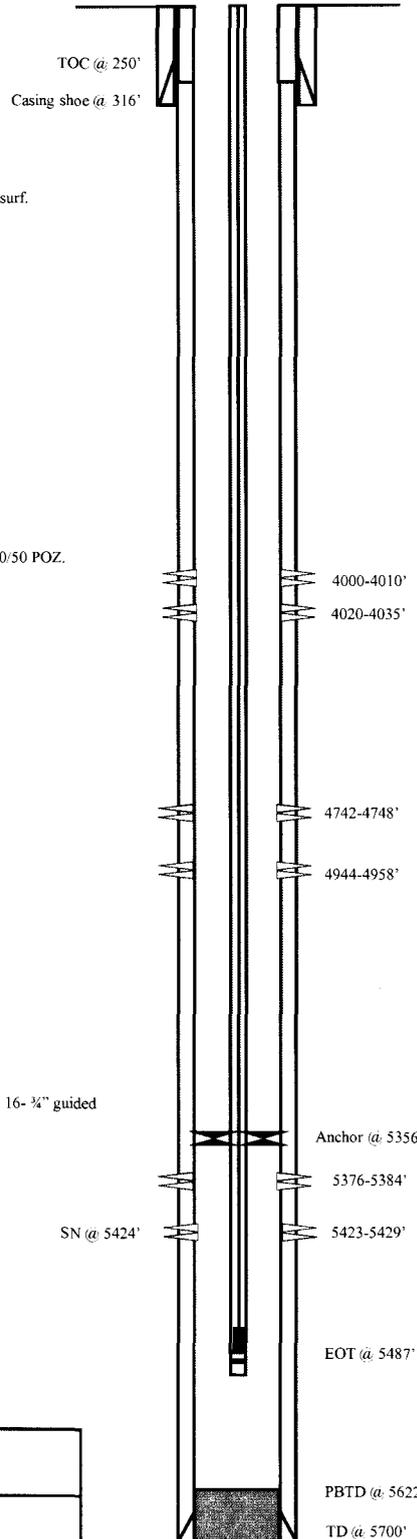
11-16-05 5376-5429' **Frac CP1, CP2 sands as follows:**
 50812# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2030 psi w/avg rate of 25.1 BPM. ISIP 2250 psi. Calc flush: 5374 gal. Actual flush: 5078 gal.

11-16-05 4944-4958' **Frac A1 sands as follows:**
 80407# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 2025 psi w/avg rate of 25 BPM. ISIP 2270 psi. Calc flush: 4942 gal. Actual flush: 4700 gal.

11-17-05 4742-4748' **Frac B.5 sands as follows:**
 25030# 20/40 sand in 323 bbls Lightning 17 frac fluid. Treated @ avg press of 2055 psi w/avg rate of 25.1 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.

11-17-05 4000-4035' **Frac GB4, & GB6 sands as follows:**
 112538# 20/40 sand in 755 bbls Lightning 17 frac fluid. Treated @ avg press of 1673 w/ avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 3998 gal. Actual flush: 3906 gal.

9/17/09 Pump Change. Updated rod & tubing details.
 12/16/10 Tubing Leak. Rod & tubing updated.



PERFORATION RECORD

Date	Interval	Tool	Holes
11-04-05	5423-5429'	4 JSPF	24 holes
11-04-05	5376-5384'	4 JSPF	32 holes
11-16-05	4944-4958'	4 JSPF	56 holes
11-16-05	4742-4748'	4 JSPF	24 holes
11-17-05	4020-4035'	4 JSPF	60 holes
11-17-05	4000-4010'	4 JSPF	40 holes

NEWFIELD

Federal 12-13-9-16
 2018' FSL & 651' FWL
 NW/SW Section 13-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32651; Lease #UTU-64805

NEWFIELD



Schematic

43-013-32649

Well Name: Federal 14-13-9-16

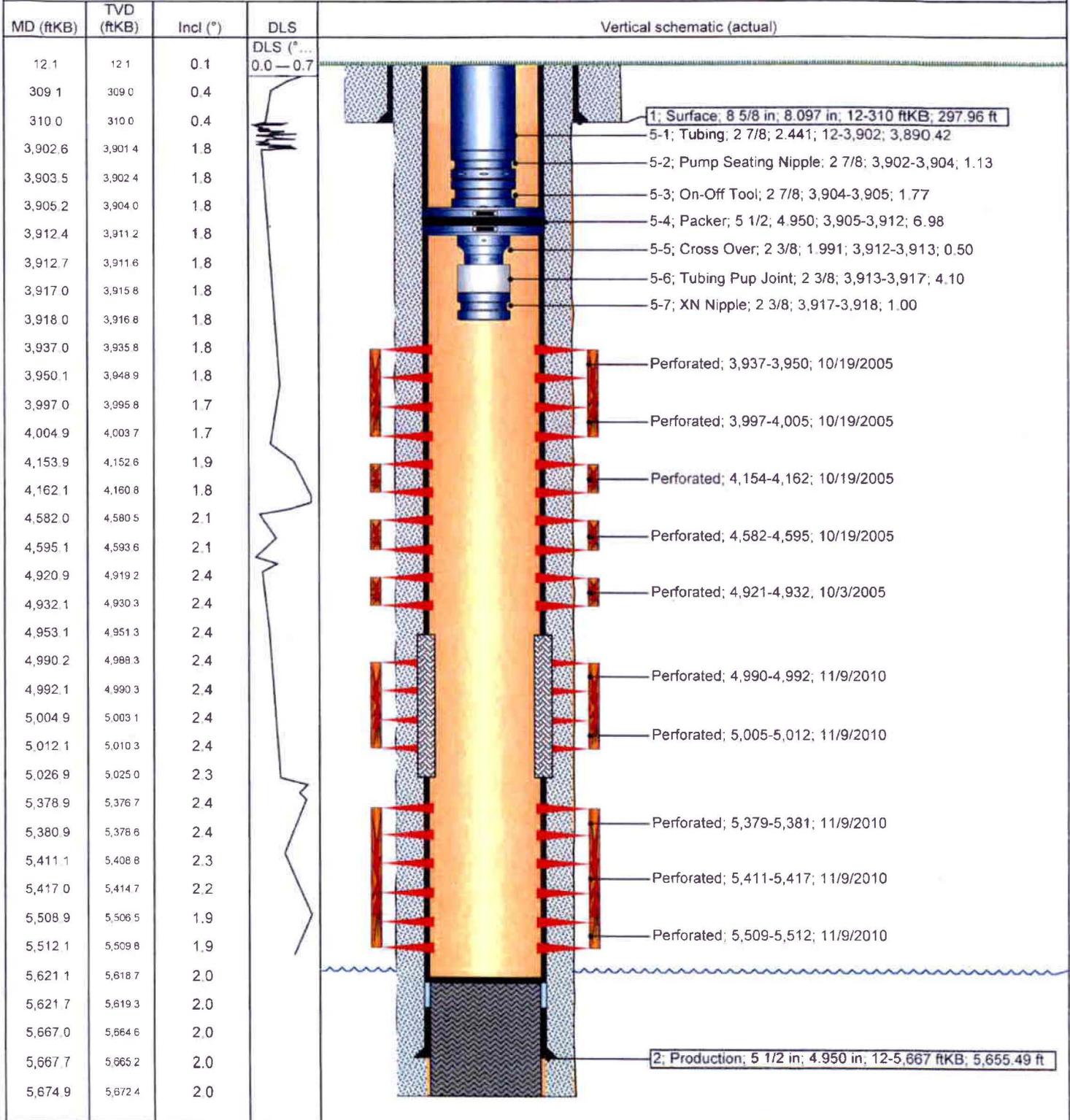
Surface Legal Location 819' FSL & 1940' FWL (SE/SW) SECTION 13-T9S-R16E		API/UWI 43013326490000	Well RC 500151344	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 8/16/2005	Rig Release Date 9/9/2005	On Production Date 10/21/2005	Original KB Elevation (ft) 5,593	Ground Elevation (ft) 5,581	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,621.1	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 5/13/2014	Job End Date 5/20/2014
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TD: 5,675.0

Deviated - Original Hole, 5/22/2014 9:32:36 AM



Federal 15-13-9-16

Spud Date: 10-18-05
 Put on Production: 12-05-05
 GL: 5553' KB: 5565'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (308.61')
 DEPTH LANDED: 320.46' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

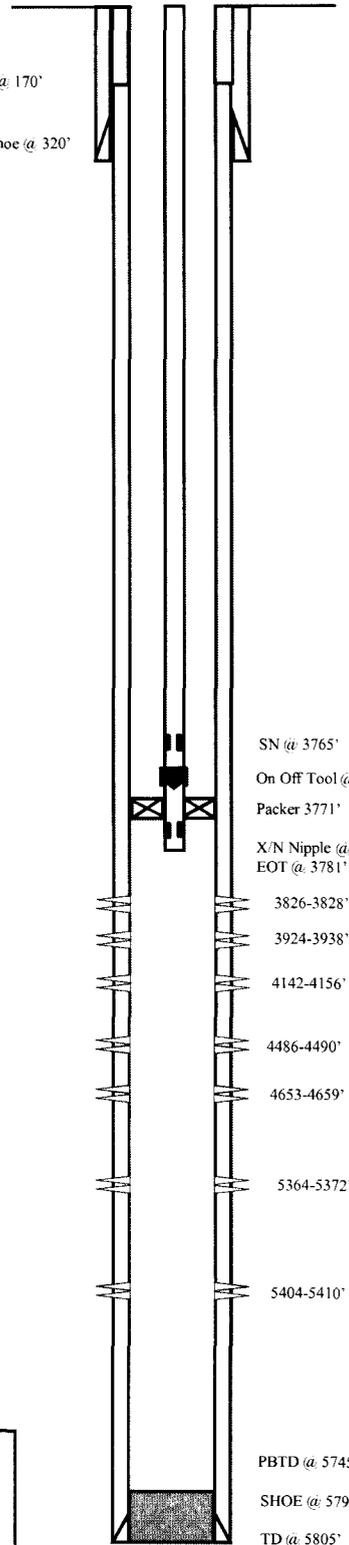
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5777.86')
 DEPTH LANDED: 5791.11' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 170'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 120 jts (3754.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3764.9' KB
 ON/OFF TOOL AT: 3766'
 ARROW #1 PACKER CE AT: 3771.25'
 XO 2-3/8 x 2-7/8 J-55 AT: 3775'
 TBG PUP 2-3/8 J-55 AT: 3775.5'
 X/N NIPPLE AT: 3779.7'
 TOTAL STRING LENGTH: EOT @ 3781'

Cement top @ 170'
 Casing Shoe @ 320'



FRAC JOB

11-30-05 5364-5410' **Frac CP2, & CP1 sands as follows:**
 44747# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5362 gal. Actual flush: 5376 gal.

12-01-05 4653-4659' **Frac C sands as follows:**
 19588# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2290 psi w/avg rate of 24.7 BPM. ISIP 2850 psi. Calc flush: 4651 gal. Actual flush: 4702 gal.

12-01-05 4486-4490' **Frac D1 sands as follows:**
 19605# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4946 gal. Actual flush: 4494 gal.

12-01-05 4142-4156' **Frac PB8 sands as follows:**
 58778# 20/40 sand in 546 bbls Lightning 17 frac fluid. Treated @ avg press of 2383 w/avg rate of 14.2 BPM. ISIP 3200 psi. Calc flush: 3140 gal. Actual flush: 4200 gal.

12-01-05 3924-3938' **Frac GB4 sands as follows:**
 30034# 20/40 sand in 312 bbls Lightning 17 frac fluid. Treated @ avg press of 1314 w/avg rate of 14.2 BPM. ISIP 1500 psi. Calc flush: 3922 gal. Actual flush: 3864 gal.

06-16-06 **Pump change:** Update rod and tubing details.
 12-15-06 **Pump Change:** Updated rod and tubing detail.

11/18/08 **Pump Change.** Updated rod & tubing details.
 2/21/2010 **Tubing Leak.** Updated rod and tubing detail.

12/13/10 3826-3836' **Frac GB2 sands as follows:** 28786# 20-40 sand in 173 bbls Lightning 17 fluid.
 12/14/10 **Re-Completion finalized** - updated tbg and rod detail.

10/17/12 **Convert to Injection Well**
 10/18/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Depth Range	Completion Type	Holes
11-18-05	5404-5410'	4 JSPF	24 holes
11-18-05	5364-5372'	4 JSPF	32 holes
11-30-05	4653-4659'	4 JSPF	24 holes
12-01-05	4486-4490'	4 JSPF	16 holes
12-01-05	4142-4156'	4 JSPF	56 holes
12-01-05	3924-3938'	4 JSPF	56 holes
12-13-10	3826-3828'	3 JSPF	30 holes

NEWFIELD

Federal 15-13-9-16

695' FSL & 1972' FEL

SW/SE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32648; Lease #UTU-64805

NEWFIELD

Schematic

Well Name: **Federal 16-13-9-16**

43-013-32647

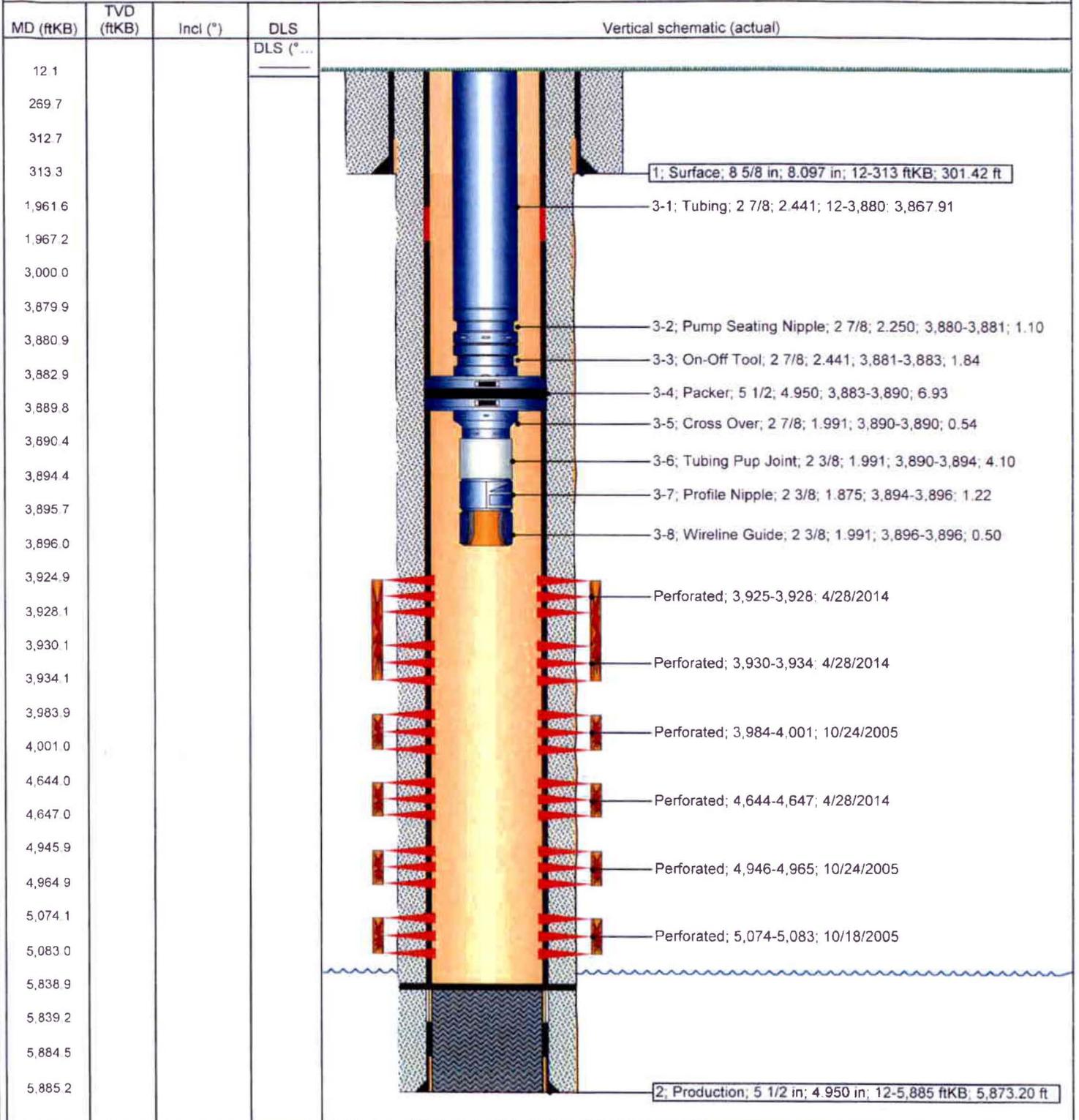
Surface Legal Location 13-9S-16E		API/UMI 43013326470000	Well RC 500151034	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 8/29/2005	Rig Release Date 9/15/2005	On Production Date 10/26/2005	Original KB Elevation (ft) 5,539	Ground Elevation (ft) 5,527	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,838.8	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 4/25/2014	Job End Date 5/6/2014
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TD: 5,885.2

Vertical - Original Hole, 5/9/2014 10:45:03 AM



Beluga Federal 12-18-9-17

Spud Date: 6-28-07
 Put on Production: 8-6-07
 GL: 5486' KB: 5498'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (312.61')
 DEPTH LANDED: 324.46' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf.

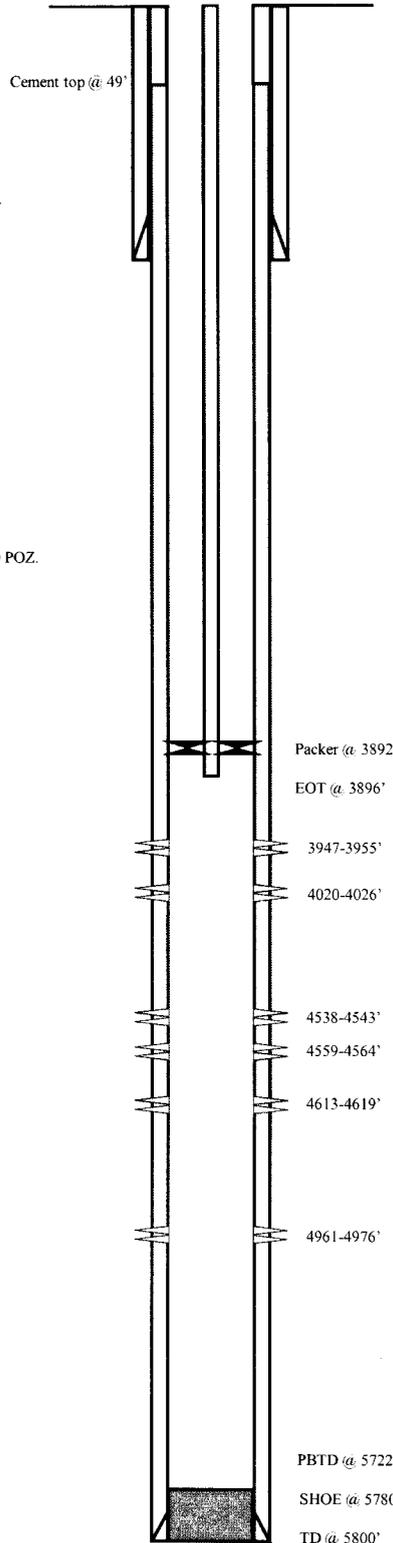
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5767.15')
 DEPTH LANDED: 5780.40' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 49'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 121 jts (3875.2')
 SEATING NIPPLE: 2-7/8" (1.10")
 SN LANDED AT: 3887.2' KB
 CE @ 3891.61'
 TOTAL STRING LENGTH: EOT @ 3896' KB

Injection Wellbore Diagram



FRAC JOB

08-02-07	4961-4976'	Frac A3 sands as follows: 95488# 20/40 sand in 741 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4959 gal. Actual flush: 4452 gal.
08-02-07	4538-4619'	Frac D3, D2, & D1 sands as follows: 27607# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 25 BPM. ISIP 1830 psi. Calc flush: 4536 gal. Actual flush: 4032 gal.
08-02-07	3947-3955'	Frac GB4 sands as follows: 32767# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 1927 psi w/avg rate of 24.9 BPM. ISIP 1588 psi. Calc flush: 3945 gal. Actual flush: 3864 gal.
6-28-10	4020-4026'	Frac GB6 sands as follows: 8754# 20/40 sand in 81 bbls Lightning 17 frac fluid.
6-29-10		Convert to Injection well
7-7-10		MIT completed -tbg detail updated

PERFORATION RECORD

07-27-07	4961-4976'	4 JSPF	60 holes
08-02-07	4613-4619'	4 JSPF	24 holes
08-02-07	4559-4564'	4 JSPF	20 holes
08-02-07	4538-4543'	4 JSPF	20 holes
08-02-07	3947-3955'	4 JSPF	32 holes
06-28-10	4020-4026'	3 JSPF	18 holes

NEWFIELD

Beluga Federal 12-18-9-17

1974' FSL & 659' FWL
 NW/SW Section 18-T9S-R17E
 Duchesne Co. Utah
 API # 43-013-32813; Lease # UTU-72106

Well Name: GMBU C-24-9-16

43-013-52284

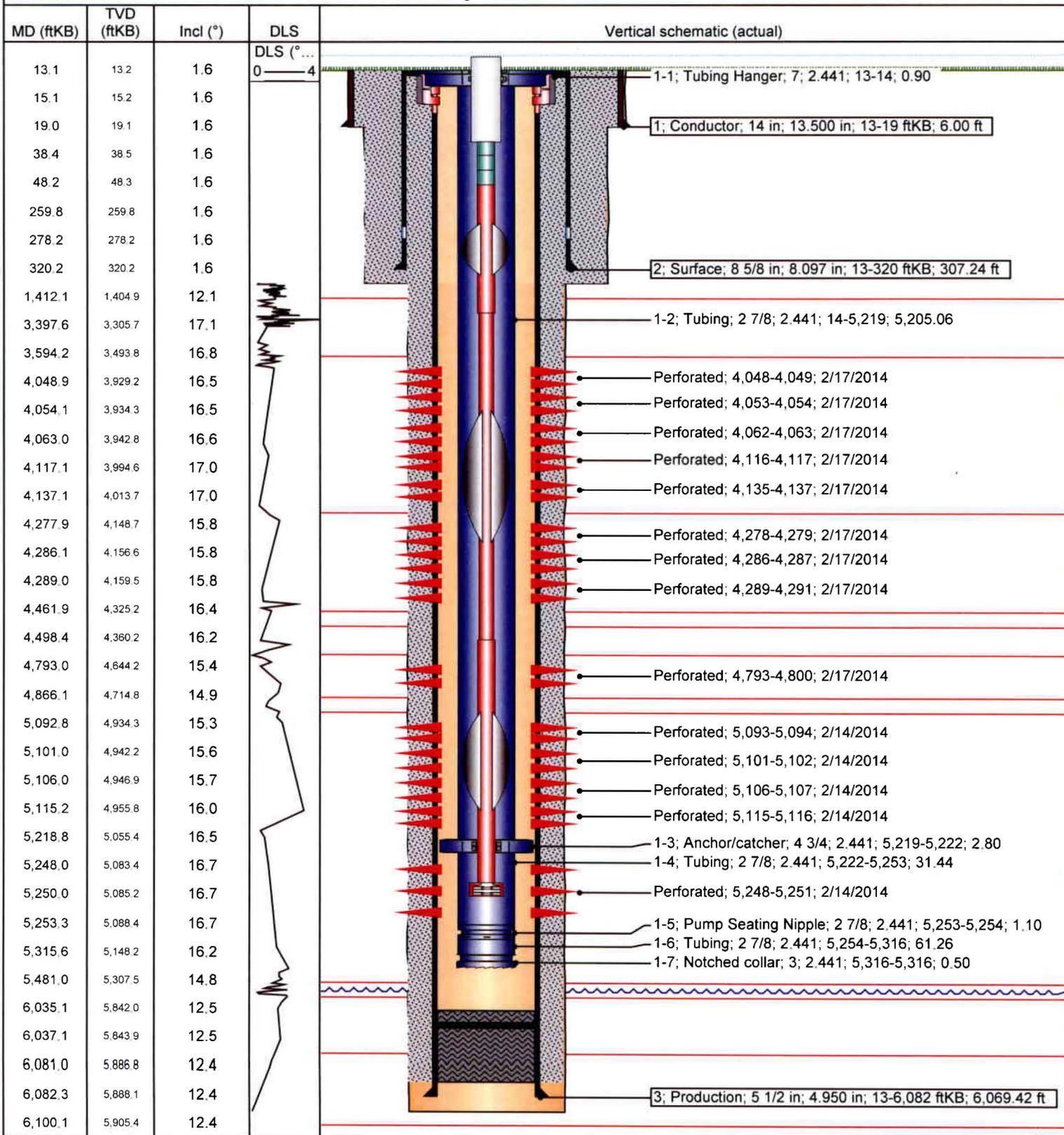
Surface Legal Location SESW 787 FSL 1935 FWL Sec 13 T9S R16E Mer SLB		API/UWI 43013522840000	Well RC 500360790	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 1/17/2014	Rig Release Date 1/30/2014	On Production Date 2/26/2014	Original KB Elevation (ft) 5,595	Ground Elevation (ft) 5,582	Total Depth All (TVD) (ftKB) Original Hole - 5,897.6	PBTD (All) (ftKB) Original Hole - 6,035.8	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/14/2014	Job End Date 2/21/2014
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TD: 6,092.0

Slant - Original Hole, 4/2/2014 2:44:04 PM



Well Name: GMBU Q-13-9-16

43-013-52286

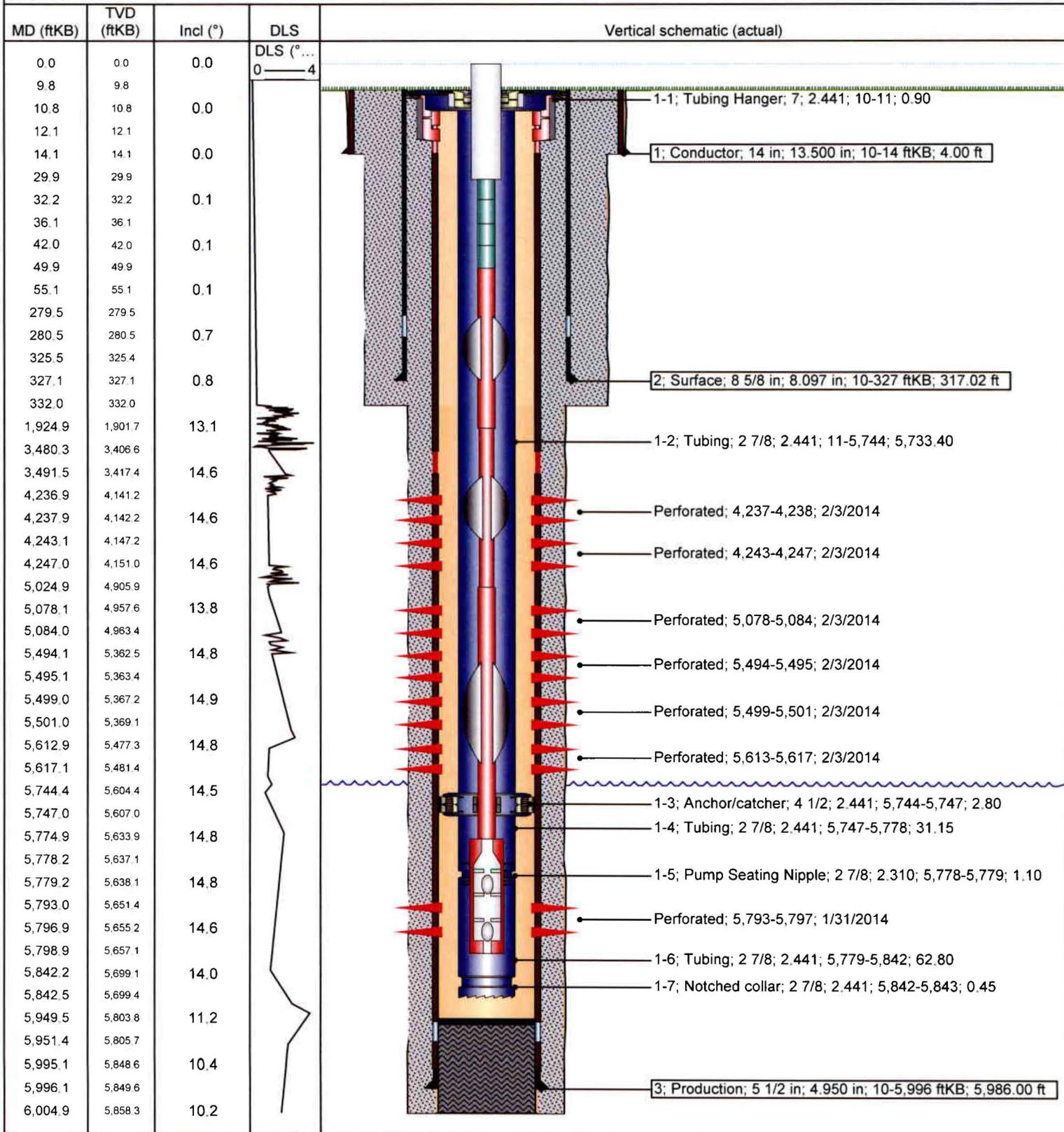
Surface Legal Location NWSW 2054 FSL 675 FWL Sec 13 T9S R16E Mer SLB		API/UWI 43013522860000	Well RC 500346522	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/28/2013	Rig Release Date 1/16/2014	On Production Date	Original KB Elevation (ft) 5,564	Ground Elevation (ft) 5,554	Total Depth All (TVD) (ftKB) Original Hole - 5,858.3	PBTD (All) (ftKB) Original Hole - 5,949.6	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/31/2014	Job End Date 2/10/2014
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TD: 6,005.0

Slant - Original Hole, 4/2/2014 2:40:07 PM



FEDERAL 2-24-9-16

Spud Date: 10/11/07
Put on Production: 10/16/07

GL: 5559' KB: 5571'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.63')
DEPTH LANDED: 322.48' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 1- 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: 148 jts. (5720.99')
DEPTH LANDED: 5734.24' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 40'

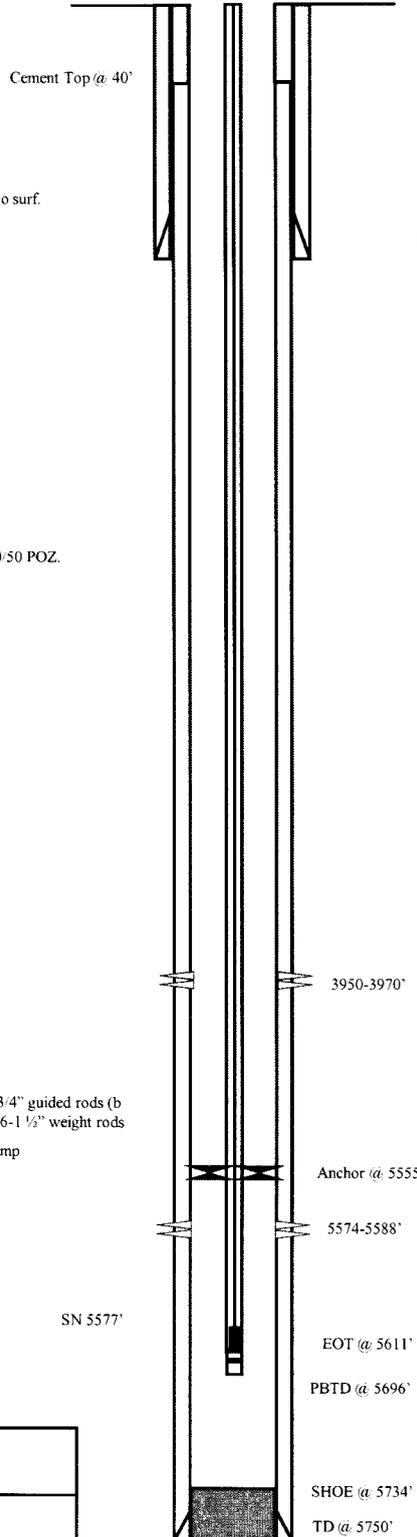
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5543.7')
TUBING ANCHOR: 5555.65' KB
NO. OF JOINTS: 1 jts (30.9')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5577.4' KB
NO. OF JOINTS: 1 jts (31.6')
2 7/8" NC (.45')
TOTAL STRING LENGTH: EOT @ 5611' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-8", 2-12", 1-2", 2-6" x 3/4" pony rods, 100-3/4" guided rods (b grd), 76-3/4" plain rods (b grd), 20-3-4" guided rods (a grd), 6-1 1/2" weight rods
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16" RHAC rod pump
STROKE LENGTH: 76"
PUMP SPEED: 4.5 SPM:

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

11/09/07	5574-5588'	Frac CP5 sands as follows: 75968# 20/40 sand in 619 bbls Lightning 17 frac fluid. Treated @ avg press of 1986 psi w/avg rate of 23.2 BPM. ISIP 2173 psi. Calc flush: 5572 gal. Actual flush: 4998 gal.
11/09/07	3950-3970'	Frac GB6 sands as follows: 151571# 20/40 sand in 1011 bbl Lightning 17 frac fluid. Treated @ avg press of 1593 psi w/avg rate of 23.1 BPM. ISIP 1775 psi. Calc flush: 3948 gal. Actual flush: 3864 gal.
05/29/08		Pump change. Updated rod and tubing detail
6/11/08		pump change. Updated rod and tubing detail
2/4/2011		Pump Change. Update rod and tubing details.

PERFORATION RECORD

11/09/07	5574-5588'	4 JSPF	56 holes
11/09/07	3950-3970'	4 JSPF	80 holes



FEDERAL 2-24-9-16
595' FNL & 2010' FEL
NW/NE Section 24-T9S-R16E
Duchesne Co, Utah
API #43-013-33083; Lease # UTU-15855

43-013-52238

Well Name: GMBU R-13-9-16

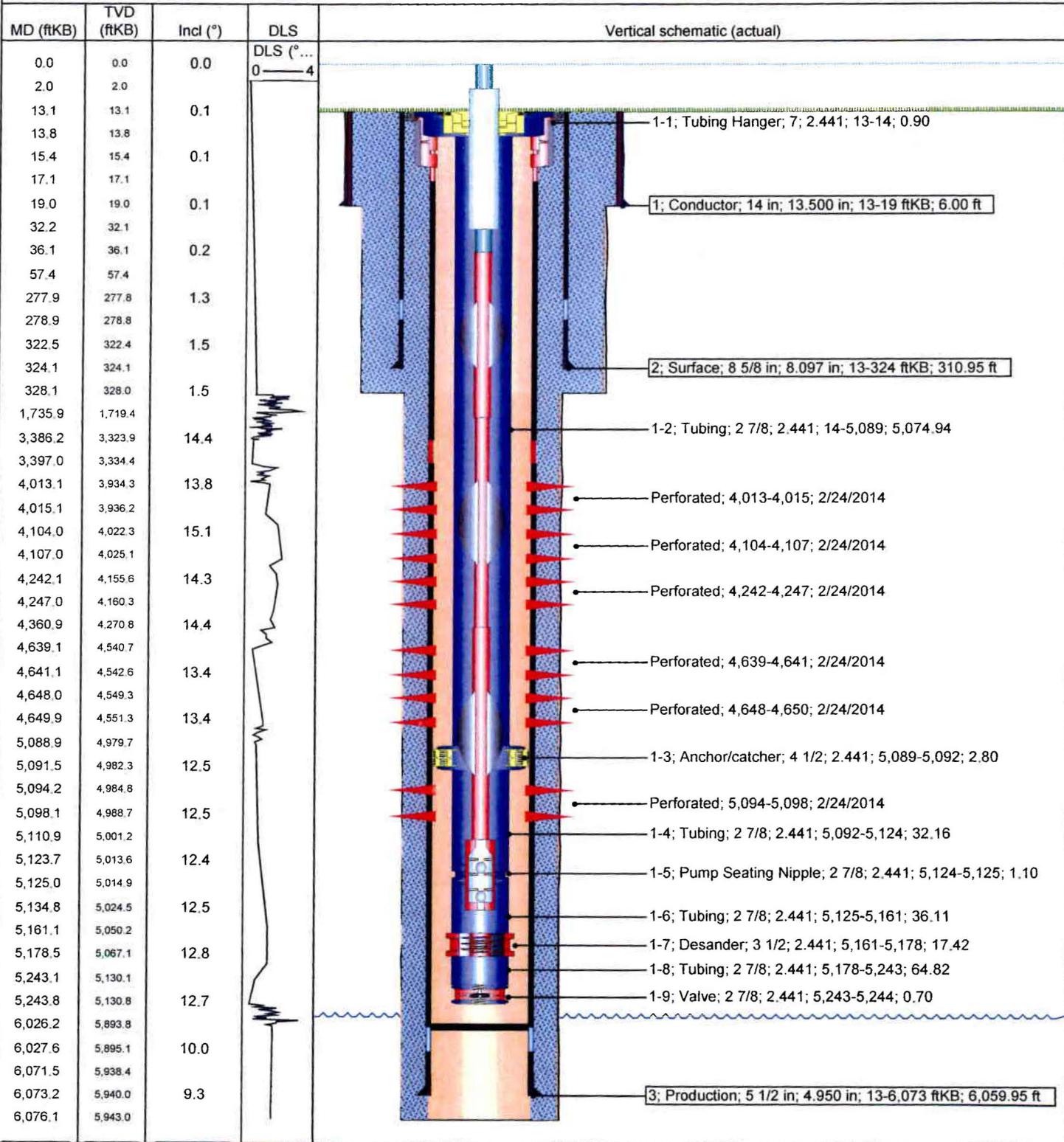
Surface Legal Location NESW 1873 FSL 2093 FWL Sec 13 T9S R16E Mer SLB			API/UWI 43013522380000	Well RC 500346534	Lease UTU64805	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 1/15/2014	Rig Release Date 2/7/2014	On Production Date 3/4/2014	Original KB Elevation (ft) 5,559	Ground Elevation (ft) 5,546	Total Depth All (TVD) (ftKB) Original Hole - 5,942.8	PBTD (All) (ftKB) Original Hole - 6,026.1		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/24/2014	Job End Date 2/28/2014
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TD: 6,076.0

Slant - Original Hole, 3/27/2014 7:02:08 AM



43-013-52239

Well Name: GMBU N-13-9-16

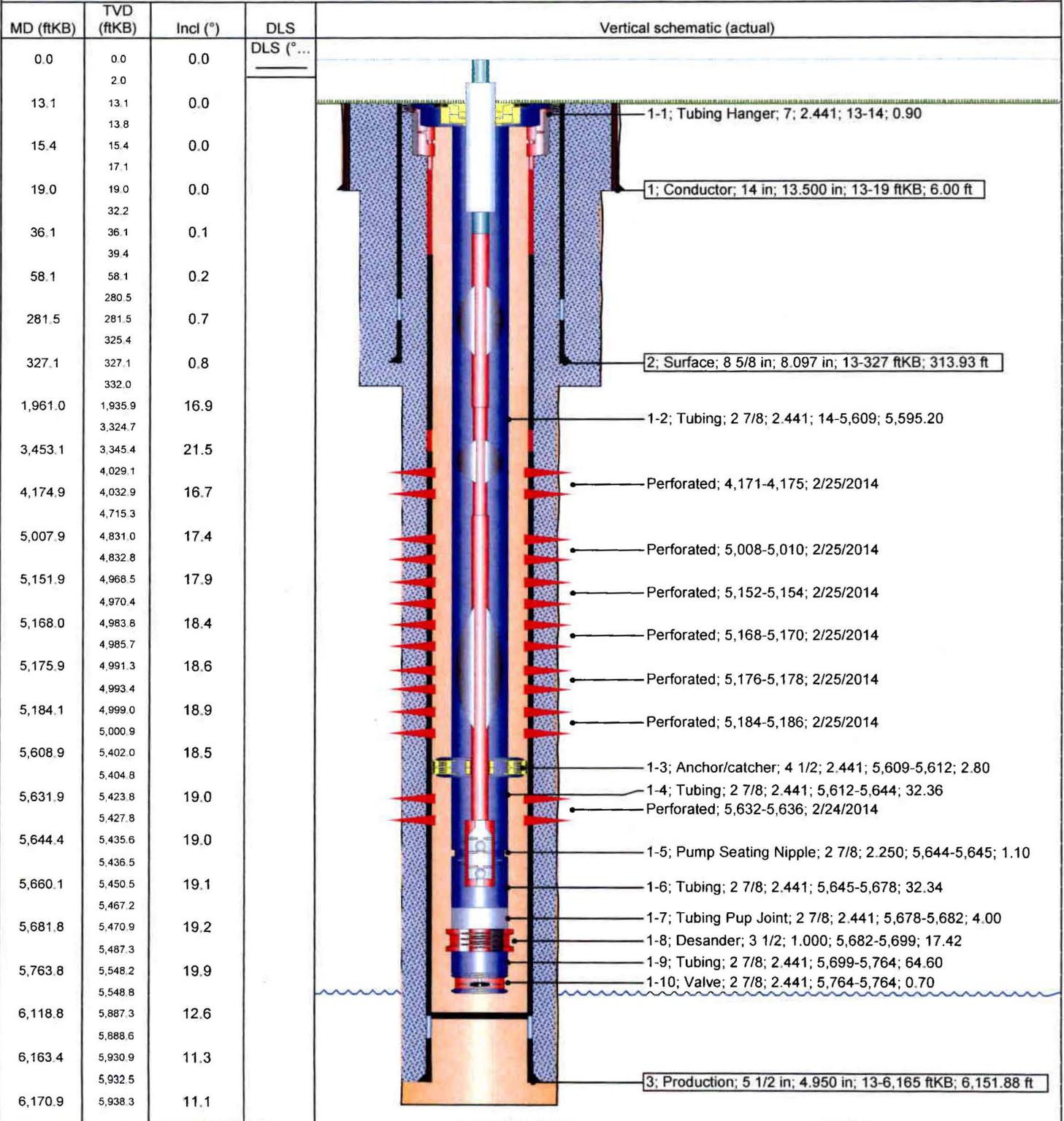
Surface Legal Location NESW 1895 FSL 2094 FWL Sec 13 T9S R16E Mer SLB		API/UWI 43013522390000	Well RC 500365887	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 1/16/2014	Rig Release Date 2/11/2014	On Production Date	Original KB Elevation (ft) 5,559	Ground Elevation (ft) 5,546	Total Depth All (TVD) (ftKB) Original Hole - 5,938.4	PBTD (All) (ftKB) Original Hole - 6,118.7	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/24/2014	Job End Date 3/4/2014
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TD: 6,171.0

Slant - Original Hole, 4/9/2014 2:55:52 PM





Schematic

43-013-52283

Well Name: GMBU D-24-9-16

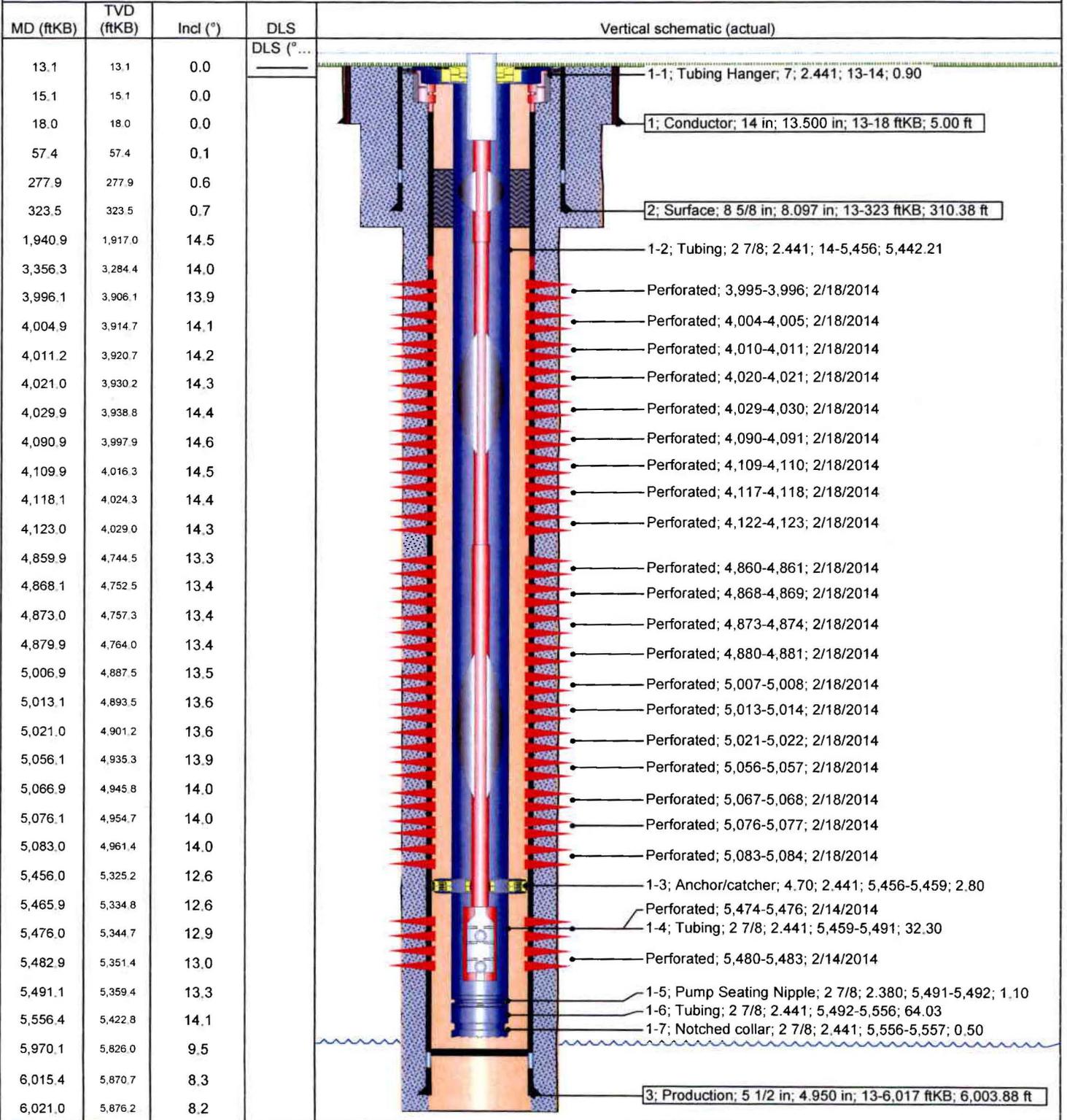
Surface Legal Location SESW 769 FSL 1923 FWL Sec 13 T9S R16E Mer SLB		API/UWI 43013522830000	Well RC 500360792	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 1/20/2014	Rig Release Date 2/3/2014	On Production Date 2/26/2014	Original KB Elevation (ft) 5,595	Ground Elevation (ft) 5,582	Total Depth All (TVD) (ftKB) Original Hole - 5,876.2	PBTD (All) (ftKB) Original Hole - 5,970.1	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/14/2014	Job End Date 2/26/2014
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TD: 6,021.0

Slant - Original Hole, 4/9/2014 2:57:03 PM



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Pete Prodromides**

Well Name: **FEDERAL 10-13-9-16**

Lab Tech: **Gary Winegar**

Sample Point:

Sample Date: **1/24/2014**

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

Sample ID: **WA-264581**

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	1/24/2014	Sodium (Na):	26.00	Chloride (Cl):	42000.00
System Temperature 1 (°F):	120	Potassium (K):	190.00	Sulfate (SO4):	962.00
System Pressure 1 (psig):	60	Magnesium (Mg):	93.00	Bicarbonate (HCO3):	3660.00
System Temperature 2 (°F):	210	Calcium (Ca):	77.50	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	32.40	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.021	Barium (Ba):	14.70	Propionic Acid (C2H5COO)	
pH:	7.50	Iron (Fe):	238.00	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	47298.19	Zinc (Zn):	2.16	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.31	Fluoride (F):	
Dissolved CO2 (mg/L):	515.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	2.12	Silica (SiO2):	
H2S in Water (mg/L):	25.00				

Notes:

Al=.61 B=43 Li=8

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	2.31	67.34	1.85	8.63	5.24	22.79	4.74	173.07	0.00	0.00	0.05	2.49	0.00	0.00	9.48	1.13
200.00	60.00	2.24	67.24	1.87	8.64	5.21	22.79	4.68	173.06	0.00	0.00	0.03	1.32	0.00	0.00	9.54	1.13
190.00	60.00	2.16	67.12	1.89	8.64	5.19	22.79	4.62	173.06	0.00	0.00	0.00	0.21	0.00	0.00	9.62	1.13
180.00	60.00	2.09	66.99	1.91	8.65	5.17	22.79	4.56	173.06	0.00	0.00	0.00	0.00	0.00	0.00	9.70	1.13
170.00	60.00	2.02	66.83	1.94	8.65	5.15	22.79	4.50	173.06	0.00	0.00	0.00	0.00	0.00	0.00	9.79	1.13
160.00	60.00	1.96	66.65	1.97	8.66	5.15	22.79	4.43	173.06	0.00	0.00	0.00	0.00	0.00	0.00	9.89	1.13
150.00	60.00	1.90	66.46	2.01	8.67	5.15	22.79	4.37	173.05	0.00	0.00	0.00	0.00	0.00	0.00	9.99	1.13
140.00	60.00	1.84	66.24	2.06	8.68	5.15	22.79	4.30	173.05	0.00	0.00	0.00	0.00	0.00	0.00	10.10	1.13
130.00	60.00	1.78	66.00	2.11	8.69	5.17	22.79	4.24	173.05	0.00	0.00	0.00	0.00	0.00	0.00	10.23	1.13
120.00	60.00	1.73	65.73	2.17	8.70	5.19	22.79	4.17	173.04	0.00	0.00	0.00	0.00	0.00	0.00	10.36	1.13

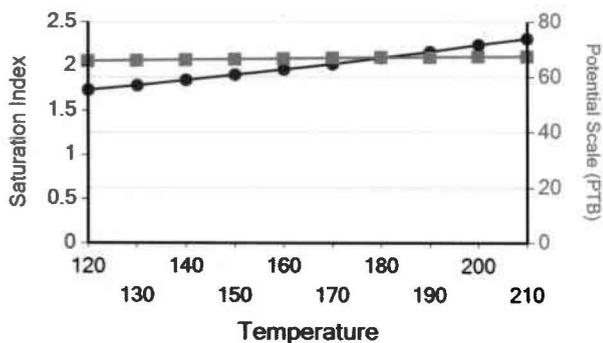
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		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	2.25	1.44	9.70	0.13	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	2.16	1.44	9.83	0.13	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	2.06	1.44	9.98	0.13	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	1.44	10.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	1.43	10.30	0.13	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	1.43	10.48	0.13	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	1.64	1.42	10.67	0.13	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	1.52	1.41	10.88	0.13	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	1.40	1.40	11.09	0.13	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	1.26	1.37	11.33	0.13	0.00	0.00	0.00	0.00	0.00	0.00

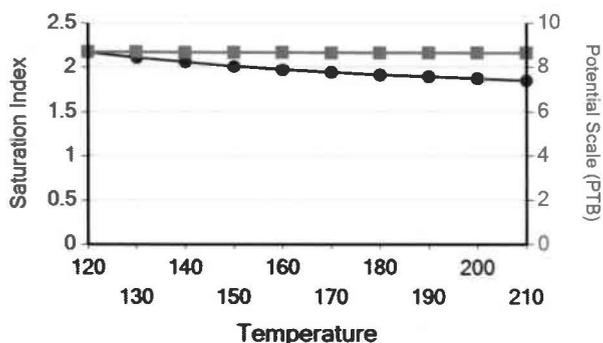
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Celestite Zinc Sulfide Zinc Carbonate Lead Sulfide

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

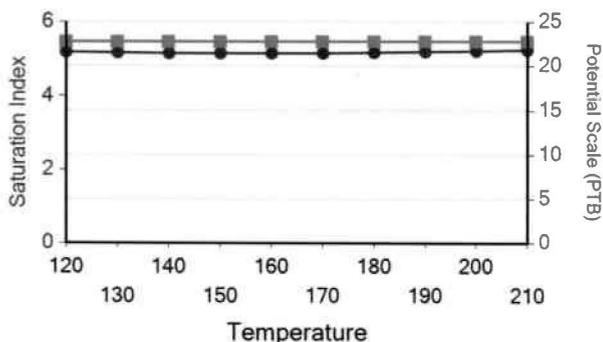
Calcium Carbonate



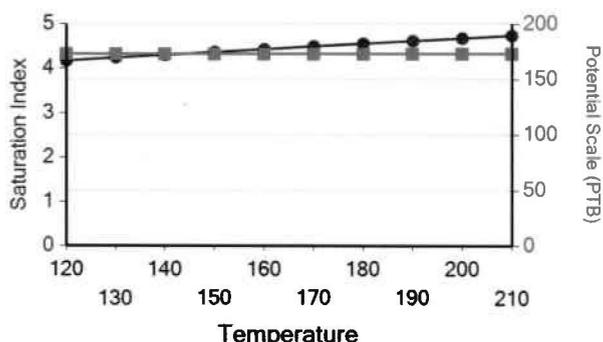
Barium Sulfate



Iron Sulfide

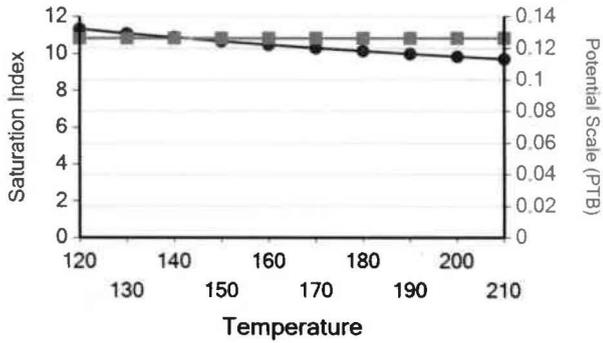


Iron Carbonate

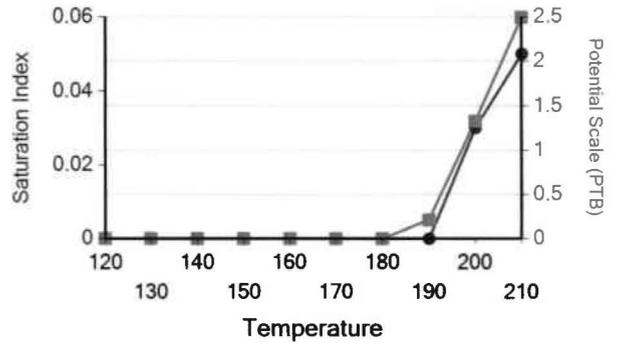


Water Analysis Report

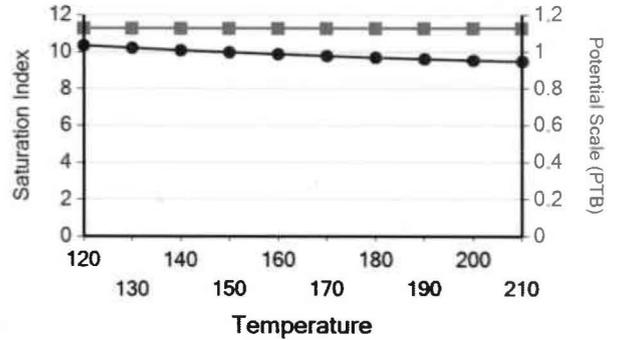
Lead Sulfide



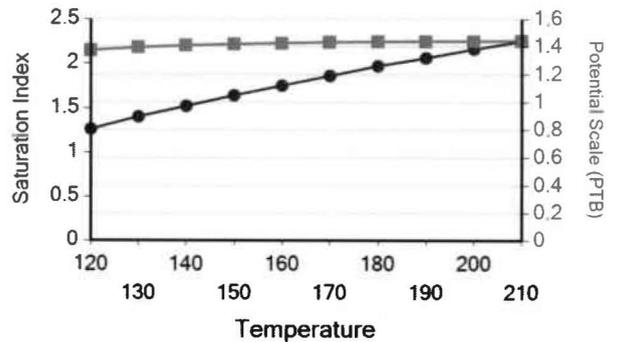
Celestite



Zinc Sulfide



Zinc Carbonate



ATTACHMENT F

4 of 7

multi-chem®

A HALLIBURTON SERVICE

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Jacob Bird**

Well Name: **BELUGA INJ FACILITY**

Lab Tech: **Gary Winegar**

Sample Point: **Commingled After**

Sample Date: **11/4/2013**

Sample ID: **WA-257478**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/11/2013	Sodium (Na):	2661.00	Chloride (Cl):	5000.00
System Temperature 1 (°F):	300	Potassium (K):	34.00	Sulfate (SO ₄):	266.00
System Pressure 1 (psig):	1300	Magnesium (Mg):	24.00	Bicarbonate (HCO ₃):	1654.00
System Temperature 2 (°F):	70	Calcium (Ca):	46.00	Carbonate (CO ₃):	
System Pressure 2 (psig):	15	Strontium (Sr):	4.90	Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	1.004	Barium (Ba):	3.90	Propionic Acid (C ₂ H ₅ COO)	
pH:	8.30	Iron (Fe):	1.23	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	9712.71	Zinc (Zn):	0.33	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.08	Fluoride (F):	
Dissolved CO ₂ (mg/L):	224.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.36	Silica (SiO ₂):	16.91
H ₂ S in Water (mg/L):	9.00				

Notes:

B=4.9 Al=.07 Li=.58

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	1.36	34.40	1.80	2.29	3.26	0.68	1.61	0.87	0.00	0.00	0.00	0.00	0.00	0.00	10.92	0.17
95.00	157.00	1.40	34.75	1.56	2.26	3.05	0.68	1.75	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.17
121.00	300.00	1.48	35.82	1.38	2.23	2.93	0.68	1.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.17
146.00	443.00	1.57	36.86	1.25	2.19	2.87	0.68	2.04	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.66	0.17
172.00	585.00	1.68	37.77	1.16	2.16	2.86	0.68	2.19	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.39	0.17
197.00	728.00	1.81	38.51	1.10	2.13	2.88	0.68	2.32	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.16	0.17
223.00	871.00	1.94	39.07	1.06	2.12	2.94	0.68	2.45	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.97	0.17
248.00	1014.00	2.09	39.48	1.05	2.12	3.03	0.68	2.56	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.17
274.00	1157.00	2.24	39.75	1.06	2.12	3.13	0.68	2.67	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.69	0.17
300.00	1300.00	2.39	39.94	1.08	2.13	3.25	0.68	2.76	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.57	0.17

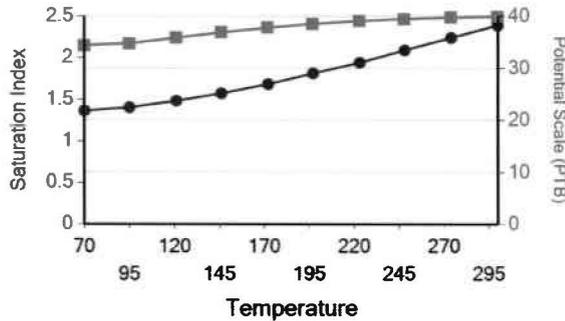
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.09	12.71	0.03	0.28	1.78	0.00	0.00	5.30	0.94
95.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.16	11.88	0.03	1.28	6.70	0.20	1.31	5.82	0.95
121.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.20	11.19	0.03	2.42	11.92	0.83	4.31	6.53	0.95
146.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.21	10.60	0.03	3.60	16.34	1.49	6.86	7.30	0.95
172.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.21	10.11	0.03	4.78	19.10	2.16	8.69	8.11	0.95
197.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.22	9.69	0.03	5.93	20.16	2.83	9.75	8.94	0.96
223.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.22	9.33	0.03	7.06	20.43	3.49	10.27	9.76	0.96
248.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.22	9.03	0.03	8.12	20.49	4.12	10.50	10.55	0.96
274.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.22	8.76	0.03	9.12	20.50	4.71	10.60	11.29	0.96
300.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.22	8.53	0.03	10.04	20.50	5.25	10.64	11.98	0.96

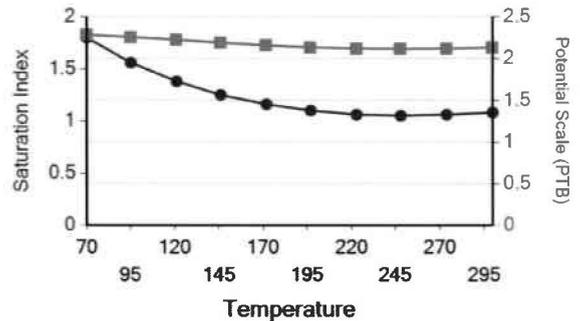
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate

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

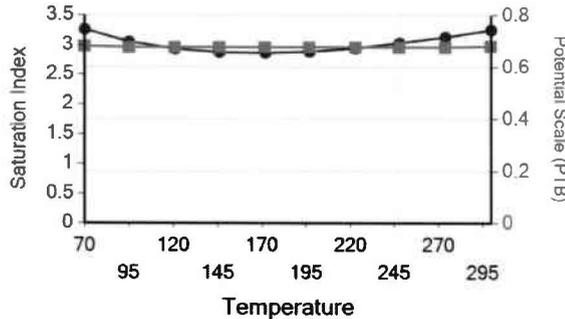
Calcium Carbonate



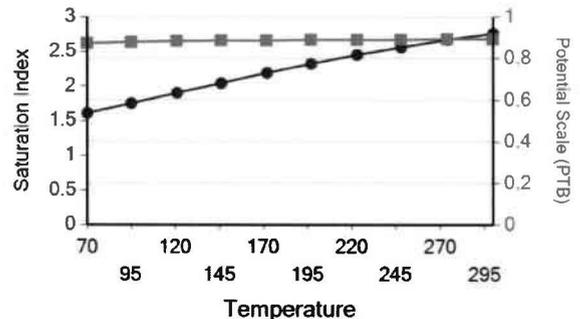
Barium Sulfate



Iron Sulfide



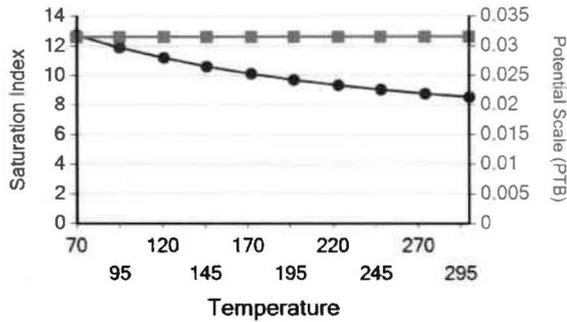
Iron Carbonate



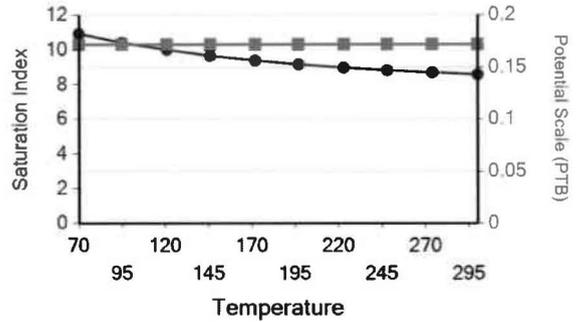
Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

Water Analysis Report

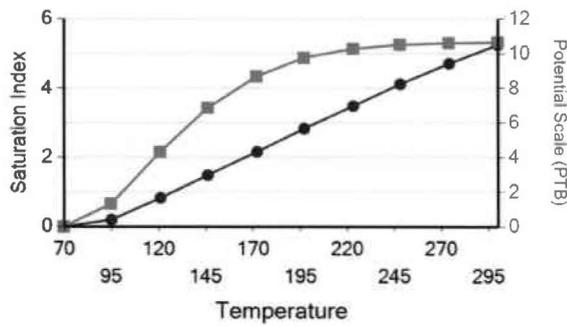
Lead Sulfide



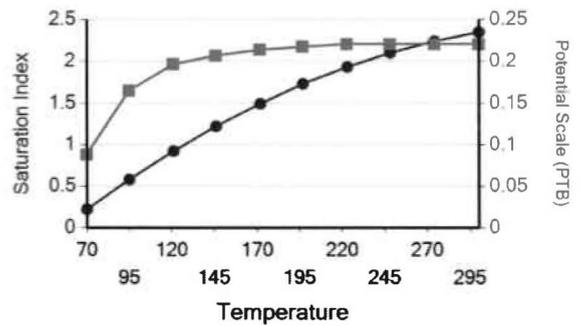
Zinc Sulfide



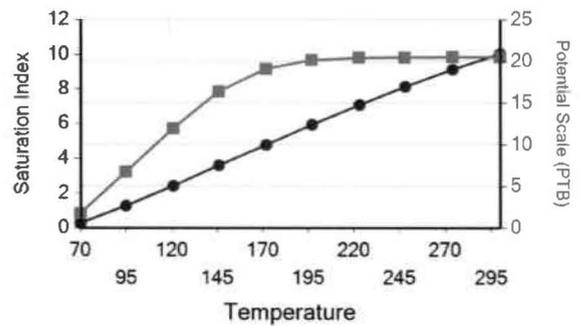
Ca Mg Silicate



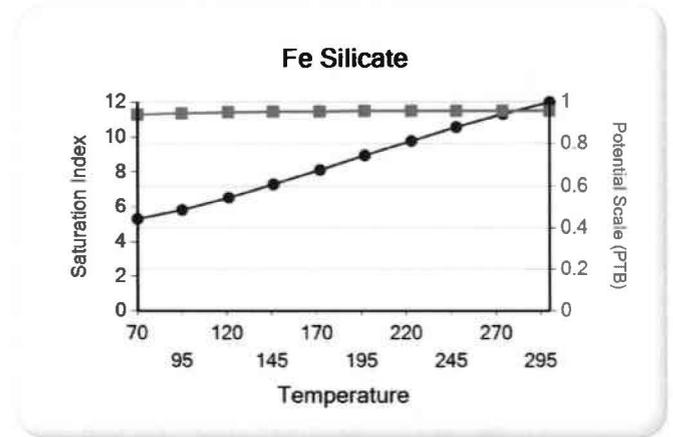
Zinc Carbonate



Mg Silicate



Water Analysis Report



Attachment "G"

**Federal #10-13-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5819	5826	5823	2140	0.80	2102
4988	4997	4993	2320	0.90	2288
4578	4660	4619	2080	0.89	2050
4000	4026	4013	1720	0.86	1694 ←
				Minimum	<u><u>1694</u></u>

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

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



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 Report Date: 12-1-05 Day: 01
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 5784' Csg PBTD: 5738'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: CP1 sds, 5376-5384', 4/32

CHRONOLOGICAL OPERATIONS

Date Work Performed: 30-Nov-04 SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg 8 casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5738' & cement top @ 120'. Perforate stage #1, CP1 sds @ 5376-5384' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 32 shots. 136 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 136 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 136 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

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: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 **Report Date:** 7-Dec-05 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 312' **Prod Csg:** 5-1/2" @ 5784' **Csg PBTD:** 5738'WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5100'
BP: _____

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
LODC sds	4988- 4997'	4/36	_____	_____	_____
CP1 sds	5376-5384'	4/32	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Dec-04 **SITP:** _____ **SICP:** 1825 psi

Day 2b.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" composite flow through plug & 9' perf gun (3 1/8"). Set plug @ 5100'. Perforate LODC sds @ 4988- 4997'. All 4 SPF for a total of 36 holes. RU BJ Services. 1825 psi on well. Pressured up to 4200 psi, Would not break down. RU Lone Wolf WL. Dump bail acid on LODC sds. Frac LODC sds w/ 30,233#'s of 20/40 sand in 371 bbls of Lightning 17 fluid. Broke @ 4228 psi. Treated w/ ave pressure of 2069 psi @ ave rate of 25 BPM. ISIP 2320 psi. Leave pressure on well. 874 BWTR.
See Day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 503 **Starting oil rec to date:** _____
Fluid lost/recovered today: 371 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 874 **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 sds down casing
336 gals to get crosslink.
3000 gals of pad
2319 gals w/ 1- 4 ppg of 20/40 sand
496 gals w/ 4- 6.5 ppg of 20/40 sand
210 gal of 15% HCL acid.
Flush w/ 4725 gals of slick water

****Flush called @ blender to include 2 bbls pump/line volume****

Max TP: 2092 **Max Rate:** 25.2BPM **Total fluid pmpd:** 371bbls
Avg TP: 2069 **Avg Rate:** 25 BPM **Total Prop pmpd:** 30,233#'s
ISIP: 2320 **5 min:** _____ **10 min:** _____ **FG:** .90

Completion Supervisor: Orson Barney **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 **Report Date:** 7-Dec-05 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 312' **Prod Csg:** 5-1/2" @ 5784' **Csg PBTD:** 5738'WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4770'
BP: 5100'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4578- 4586'	4/32			
C sds	4651- 4660'	4/36			
LODC sds	4988- 4997'	4/36			
CP1 sds	5376-5384'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Dec-04 **SITP:** _____ **SICP:** 1665 psi

Day 2c.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" composite flow through plug, 8' & 9' perf gun (3 1/8"). Set plug @ 4770'. Perforate C sds @ 4651- 4660', D2 sds @ 4578- 4586'. All 4 SPF for a total of 68 holes. RU BJ Services. 1665 psi on well. Frac C & D2 sds w/ 75,870#'s of 20/40 sand in 574 bbls of Lightning 17 fluid. Broke @ 4198 psi. Treated w/ ave pressure of 2092 psi @ ave rate of 25 BPM. ISIP 2080 psi. Leave pressure on well. 1448 BWTR.

See Day 2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 874 **Starting oil rec to date:** _____
Fluid lost/recovered today: 574 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1448 **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: C & D2 sds down casing

- 5800 gals of pad
- 3944 gals w/ 1- 5 ppg of 20/40 sand
- 7872 gals w/ 5- 8 ppg of 20/40 sand
- 1973 gals w/ 8 ppg of 20/40 sand
- 210 gal of 15% HCL acid.
- Flush w/ 4326 gals of slick water

****Flush called @ blender to include 2 bbls pump/line volume****

Max TP: 2187 **Max Rate:** 25.2 BPM **Total fluid pmpd:** 575 bbls
Avg TP: 2092 **Avg Rate:** 25 BPM **Total Prop pmpd:** 75,870#'s
ISIP: 2080 **5 min:** _____ **10 min:** _____ **FG:** .88

Completion Supervisor: Orson Barney

DAILY COST: _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 **Report Date:** 7-Dec-05 **Day:** 2d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 312' **Prod Csg:** 5-1/2" @ 5784' **Csg PBD:** 5738'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBD:** 4125'
BP: 4770', 5100'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4000- 4010'	4/40	_____	_____	_____
GB6 sds	4022- 4026'	4/16	_____	_____	_____
D2 sds	4578- 4586'	4/32	_____	_____	_____
C sds	4651- 4660'	4/36	_____	_____	_____
LODC sds	4988- 4997'	4/36	_____	_____	_____
CP1 sds	5376-5384'	4/32	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Dec-04 **SITP:** _____ **SICP:** 1732 psi

Day 2d.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" composite flow through plug, 4' & 10' perf gun (3 1/8"). Set plug @ 4125'. Perforate GB6 sds @ 4022-4026', 4000- 4010'. All 4 SPF for a total of 56 holes. RU BJ Services. 1732 psi on well. Frac Gb6 sds w/ 51,023#'s of 20/40 sand in 430 bbls of Lightning 17 fluid. Broke @ 2678 psi. Treated w/ ave pressure of 1681 psi @ ave rate of 25.1 BPM. ISIP 1720 psi. Begin immediate flowback on 12/64 choke. Flowed for 7 hrs & died. Rec 394 BTF (23% of total frac load). SIWFN w/ est 1484 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1448 **Starting oil rec to date:** _____
Fluid lost/recovered today: 36 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1484 **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: GB6 sds down casing

- _____ 4400 gals of pad
- _____ 2944 gals w/ 1- 5 ppg of 20/40 sand
- _____ 5872 gals w/ 5- 8 ppg of 20/40 sand
- _____ 926 gals w/ 8 ppg of 20/40 sand
- _____ Flush w/ 3906 gals of slick water

Max TP: 1774 **Max Rate:** 25.4 BPM **Total fluid pmpd:** 430 bbls
Avg TP: 1681 **Avg Rate:** 25.1 BPM **Total Prop pmpd:** 51,023#'s
ISIP: 1720 **5 min:** _____ **10 min:** _____ **FG:** .86

Completion Supervisor: Orson Barney **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 Report Date: Dec. 8, 2005 Day: 03
Operation: Completion Rig: NC #3

WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 5784' Csg PBD: 5738'WL
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 3118' BP/Sand PBD: 4125'
BP: 4770', 5100'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB6 sds, D2 sds, C sds, LODC sds, CP1 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 7, 2005 SITP: SICIP: 75

MIRU NC #3. Thaw wellhead & BOP W/ HO trk. Bleed pressure off well. Rec est 15 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg to 3118'. SIFN W/ est 1469 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1484 Starting oil rec to date:
Fluid lost/recovered today: 15 Oil lost/recovered today:
Ending fluid to be recovered: 1469 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:
[Multiple blank lines for detailed notes]

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: FG:
DAILY COST: \$0
Completion Supervisor: Gary Dietz
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 Report Date: Dec. 9, 2005 Day: 04
Operation: Completion Rig: NC #3

WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 5784' Csg PBTD: 5739'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5633' BP/Sand PBTD: 5725'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB6 sds, D2 sds, C sds, LODC sds, and CP1 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 8, 2005 SITP: 25 SICP: 25

Thaw wellhead, BOP & tbg stump W/ HO trk. Bleed pressure off well. Rec est 5 BTF. Con't PU & TIH W/ bit & tbg f/ 3118'. Tag fill @ 4120'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4120', plug @ 4125' in 42 minutes; sd @ 4760', plug @ 4770' in 35 minutes; sd @ 5080', plug @ 5100' in 28 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5670'. PU swivel. Drill plug remains & sd to 5725' (lack 14' f/ PBTD @ 5739'). Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5633'. SIFN W/ est 1454 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1469 Starting oil rec to date:
Fluid lost/recovered today: 15 Oil lost/recovered today:
Ending fluid to be recovered: 1454 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: FG: DAILY COST: \$0

Completion Supervisor: Gary Dietz TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 10-13-9-16 Report Date: Dec. 10, 2005 Day: 05
Operation: Completion Rig: NC #3

WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 5784' Csg PBTD: 5739'
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Anchor @: 5349' BP/Sand PBTD: 5725'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB6 sds, D2 sds, C sds, LODC sds, CP1 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 9, 2005 SITP: 0 SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. RU swab equipment. IFL @ sfc. Made 11 swb runs rec 106 BTF W/ light gas, tr oil & no sand. FFL @ 1800'. TIH W/ tbg. Tag @ 5725' (no new fill). Circ hole W/ clean wtr. Lost est 50 BW & rec 5 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 166 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5349' W/ SN @ 5384' & EOT @ 5451'. Land tbg W/ 15,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string to 2875'. SIFN W/ est 1398 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1454 Starting oil rec to date: 0
Fluid lost/recovered today: 56 Oil lost/recovered today: 5
Ending fluid to be recovered: 1398 Cum oil recovered: 5
IFL: sfc FFL: 1800' FTP: Choke: Final Fluid Rate: Final oil cut: tr

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: FG: DAILY COST: \$0

Completion Supervisor: Gary Dietz TOTAL WELL COST:

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3950'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 123' balance plug using 15 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" cement down 5 ½" casing to 362'

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

Federal 10-13-9-16

Spud Date: 10/26/05
 Put on Production: 12/12/05
 GL: 5519' KB:5529'

Initial Production: BOPD 52,
 MCFD 25, BWPD 25

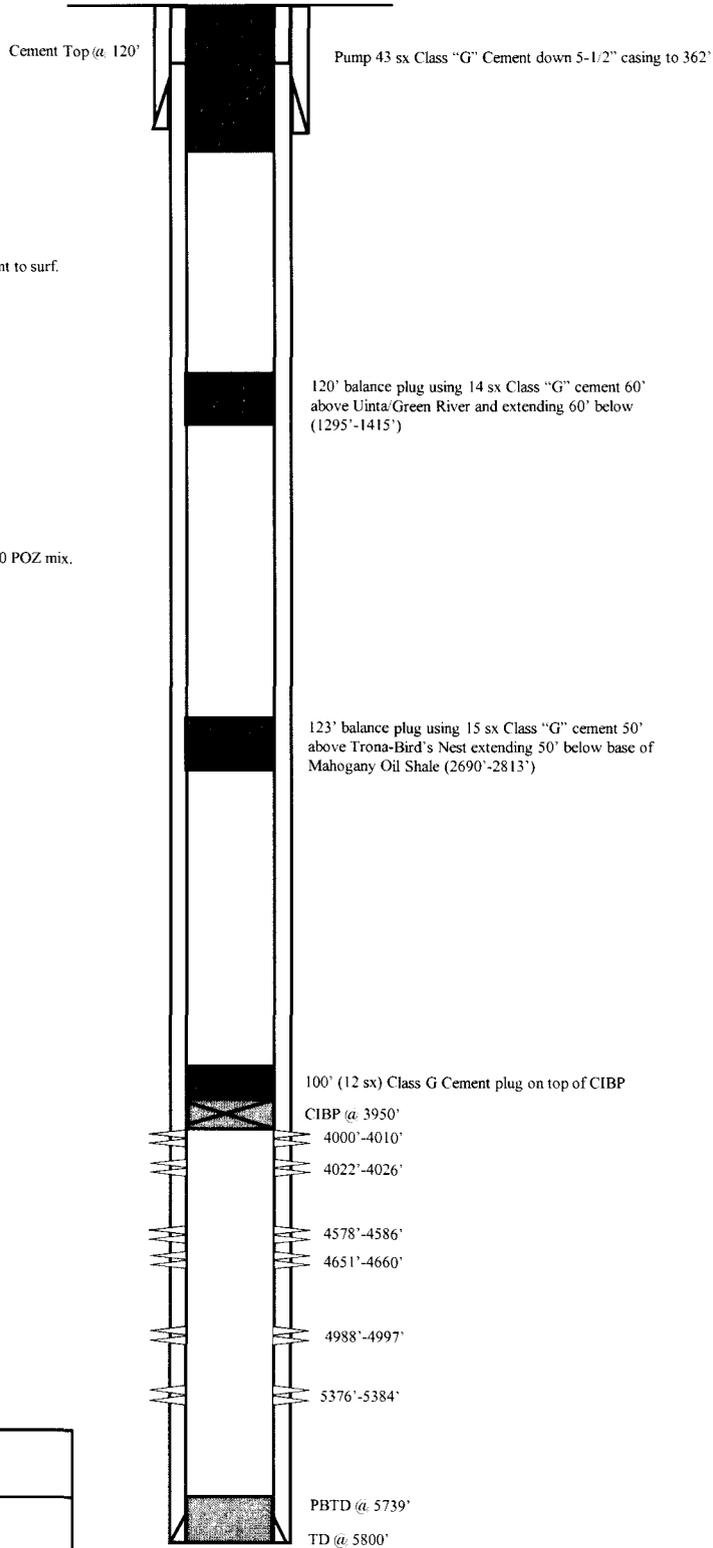
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.45')
 DEPTH LANDED: 312.45' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5786.4')
 DEPTH LANDED: 5784.4' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.
 CEMENT TOP AT: 120'




<p>Federal 10-13-9-16 1971' FSL & 1917' FEL NW/SE Section 13-T9S-R16E Duchesne County, Utah API #43-013-32653; Lease #UTU-64805</p>