

NEWFIELD



August 30, 2005

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

RE: Applications for Permit to Drill: 1-9-9-16, 5-9-9-16, 7-9-9-16, and 8-9-9-16. ✓

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 8-9-9-16 location is also an Exception Location. Our Land Department has been notified and will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
OCT 05 2005  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
UTU-65207

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

7. If Unit or CA Agreement, Name and No.  
South Wells Draw

8. Lease Name and Well No.  
South Wells Draw Federal 8-9-9-16

9. API Well No.  
43-013-32918

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/NE Sec. 9, 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  
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 (Report location clearly and in accordance with any State requirements. \*)  
At surface SE/NE 1773' FNL 666' FEL 575357X 40. 047705  
At proposed prod. zone 4433216Y - 110. 114593

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 16.0 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 666' f/lse, 1974' f/unit  
Approx. 1126'

16. No. of Acres in lease  
280.00

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. 1126'

19. Proposed Depth  
6165'

20. BLM/BIA Bond No. on file  
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5721' GL

22. Approximate date work will start\*  
1st Quarter 2006

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

24. Attachments

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- 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 9/30/05  
Title Regulatory Specialist

Approved by *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 10-18-05  
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 Required

RECEIVED  
OCT 05 2005  
DIV. OF OIL, GAS & MINING

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

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, SOUTH WELLS DRAW  
8-9-9-16, LOCATED AS SHOWN IN THE  
SE 1/4 NE 1/4 OF SECTION 9, T9S,  
R16E, S.L.B.&M. DUCHESNE COUNTY,  
UTAH.



**Note:**

The Proposed Well head bears  
N37°30'16"W 1094.19' from the East  
1/4 Corner of Section 9.

THIS IS TO CERTIFY THAT THE ABOVE PERT 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

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

### TRI STATE LAND SURVEYING & CONSULTING

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

SCALE: 1" = 1000'

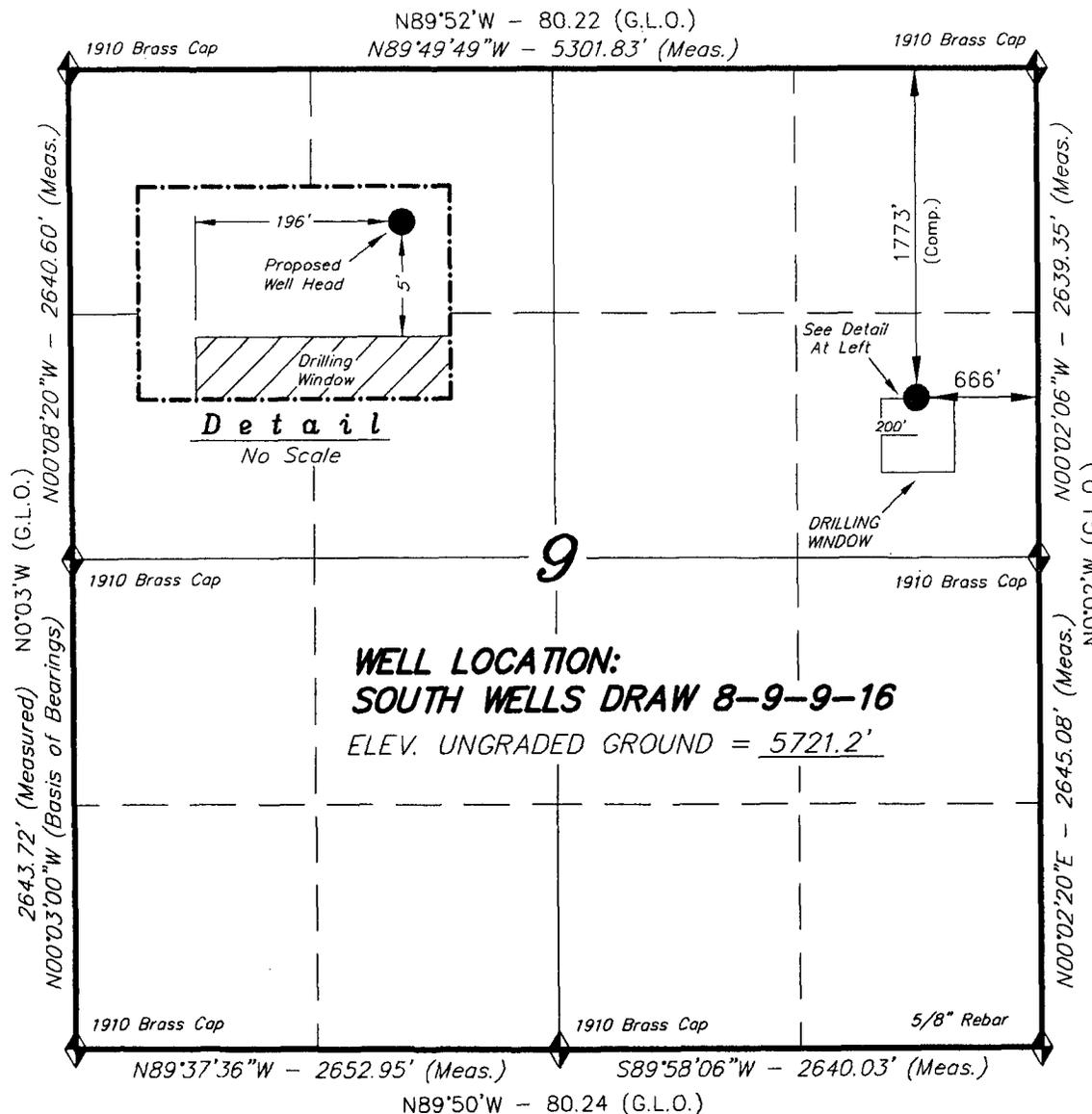
SURVEYED BY: C.M.

DATE: 9-13-05

DRAWN BY: F.T.M.

NOTES:

FILE #



◆ = SECTION CORNERS LOCATED

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

NEWFIELD PRODUCTION COMPANY  
SOUTH WELLS DRAW FEDERAL #8-9-9-16  
SE/NE SECTION 9, 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' – 2585'
Green River	2585'
Wasatch	6165'

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

Green River Formation 2585' – 6165' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

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

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY  
SOUTH WELLS DRAW FEDERAL #8-9-9-16  
SE/NE SECTION 9, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site South Wells Draw Federal #8-9-9-16 located in the SE 1/4 NE 1/4 Section 9, 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 - 10.9 miles  $\pm$  to it's junction with an existing dirt road to the southeast; proceed southeasterly - 0.4 miles  $\pm$  to it's junction with an existing road to the northeast; proceed in a northeasterly direction - 3.1 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed - 110'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. AERC Report #1598, 7/21/98. Paleontological Resource Survey prepared by, Wade E. Miller, 6/29/05. See attached report cover pages, Exhibit "D".

For the South Wells Draw Federal #8-9-9-16 Newfield Production Company requests 110' of disturbed area be granted in Lease UTU-65207 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 110' of disturbed area be granted in Lease UTU-65207 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

**Threatened, Endangered, And Other Sensitive Species**

None.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	1 lbs/acre
Winter Fat	<i>Ceratooides Lanata</i>	3 lbs/acre

**Details of the On-Site Inspection**

The proposed South Wells Draw Federal #8-9-9-16 was on-sited on 7/12/05. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-9-9-16 SE/NE Section 9, Township 9S, Range 16E: Lease UTU-65207 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

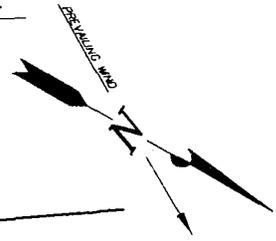
9/30/05  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

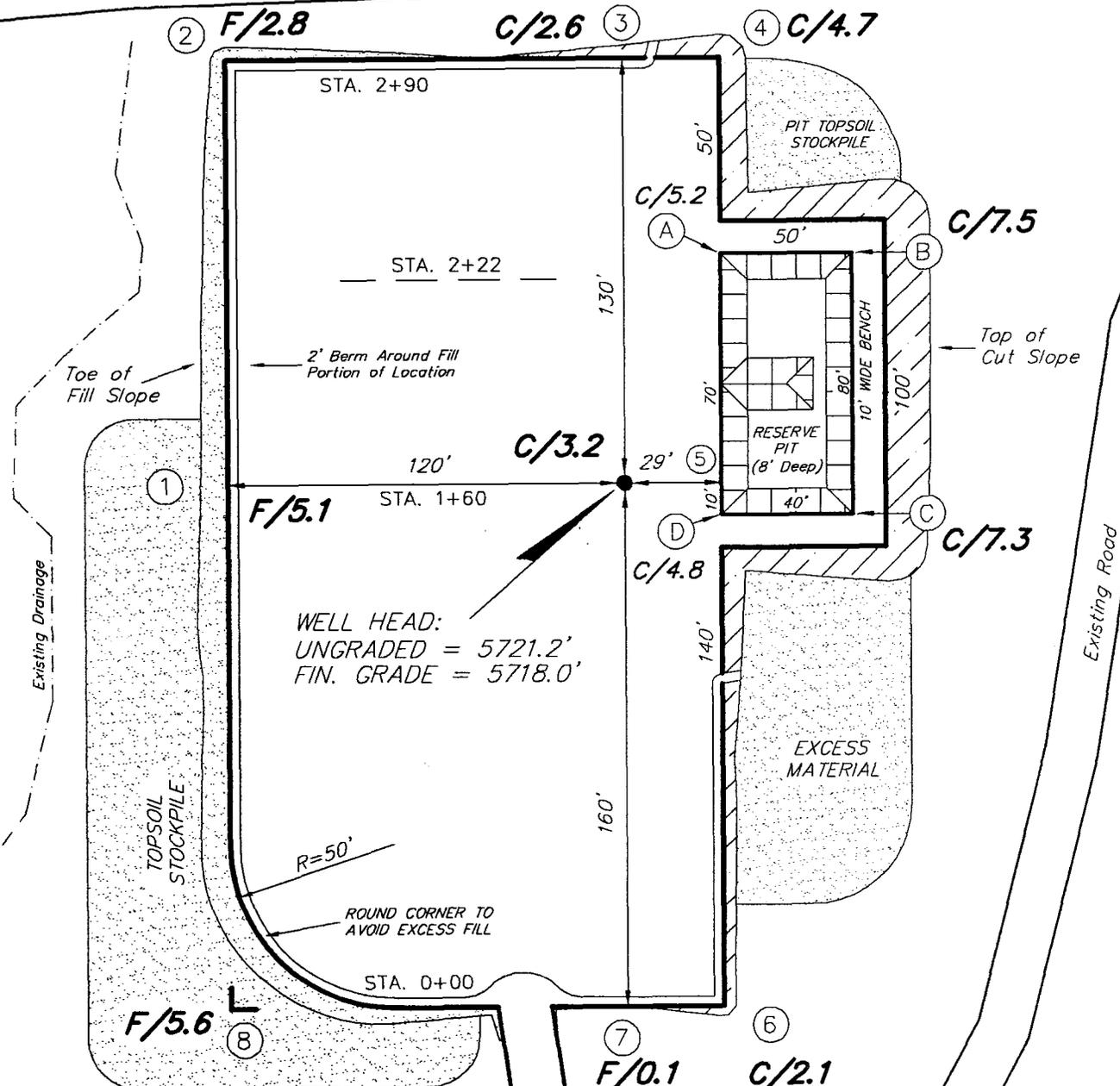
# NEWFIELD PRODUCTION COMPANY

SOUTH WELLS DRAW 8-9-9-16

Section 9, T9S, R16E, S.L.B.&M.



Existing Road



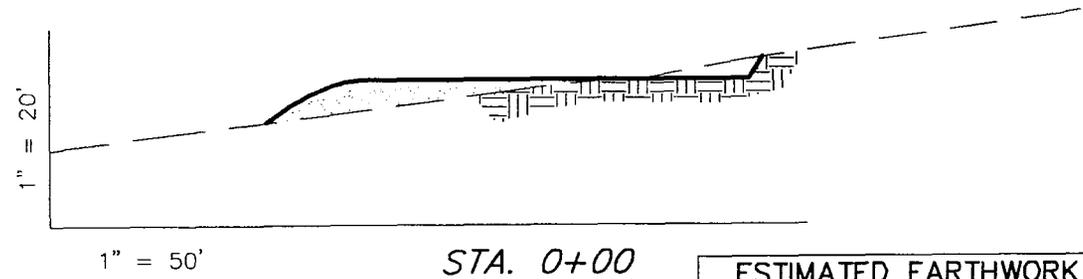
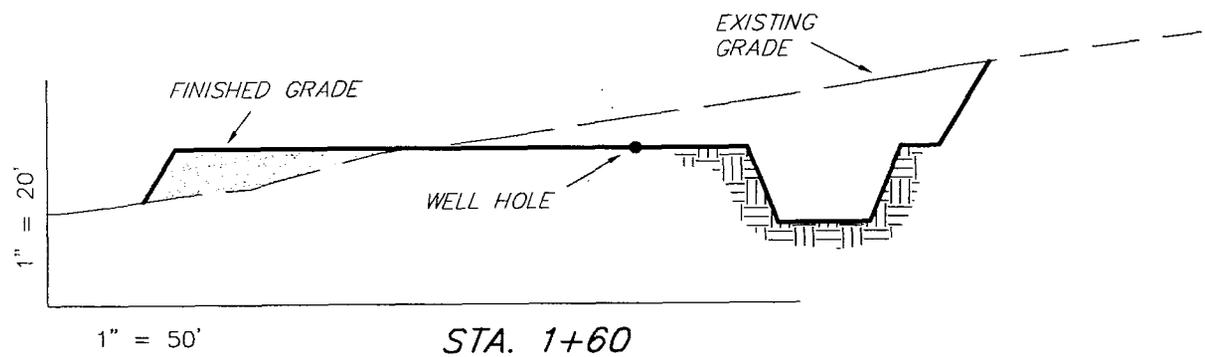
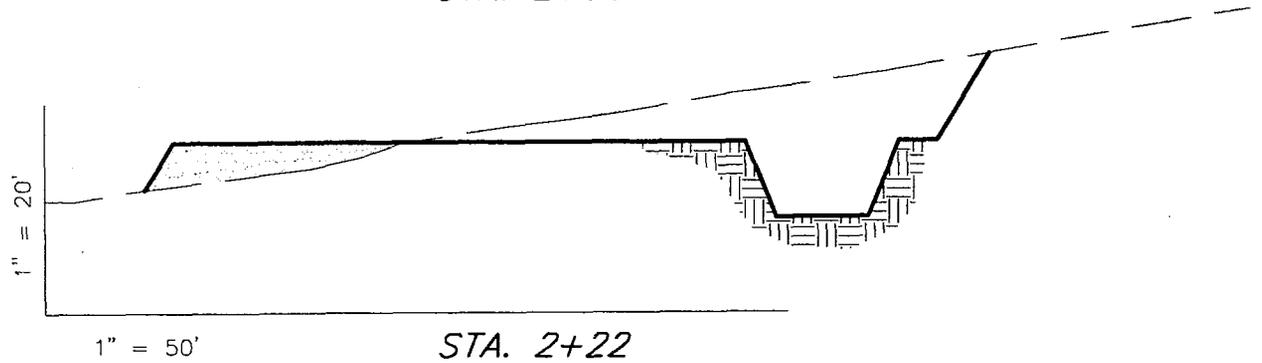
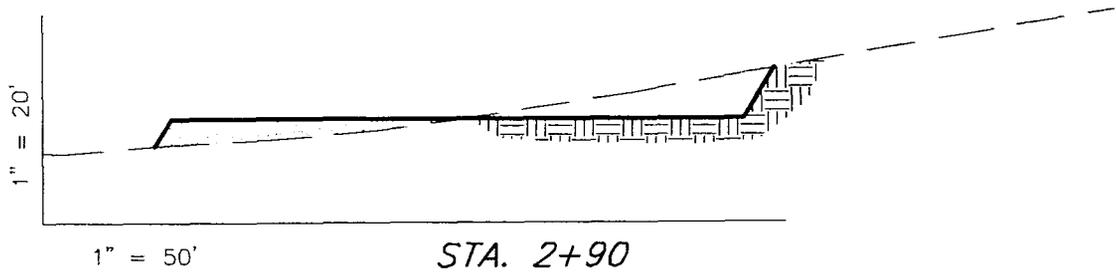
**REFERENCE POINTS**

- 180' SOUTHWESTERLY = 5720.8'
- 230' SOUTHWESTERLY = 5720.8'
- 170' SOUTHEASTERLY = 5711.1'
- 220' SOUTHEASTERLY = 5711.3'

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 9-13-05

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

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**SOUTH WELLS DRAW 8-9-9-16**



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

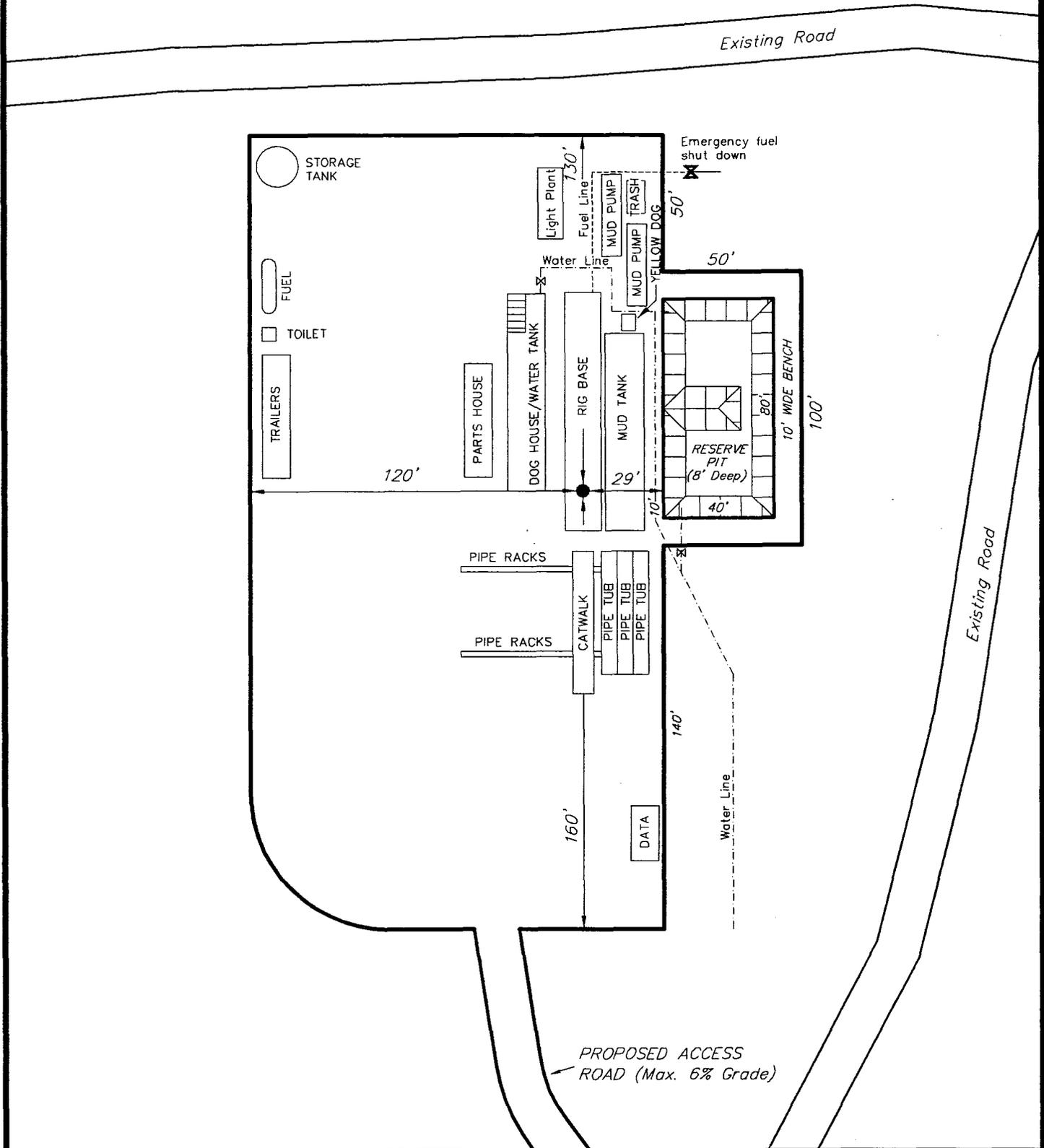
**ESTIMATED EARTHWORK QUANTITIES**  
 (No Shrink or swell adjustments have been used)  
 (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,710	2,700	Topsoil is not included in Pad Cut	10
PIT	640	0		640
<b>TOTALS</b>	<b>3,350</b>	<b>2,700</b>	<b>1,010</b>	<b>650</b>

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 9-13-05

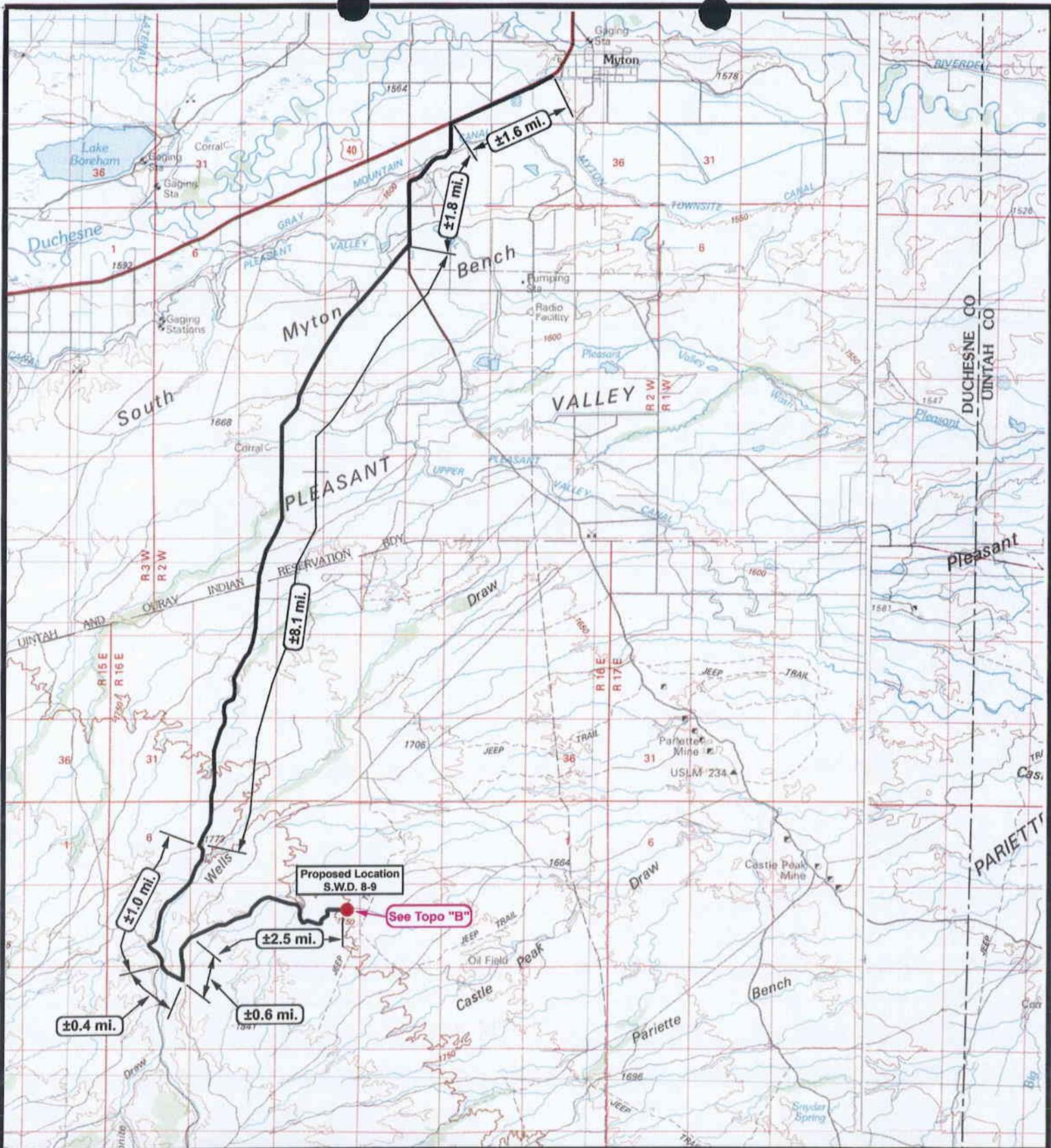
*Tri State* (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**SOUTH WELLS DRAW 8-9-9-16**



SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 9-13-05

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



**NEWFIELD**  
Exploration Company

**South Wells Draw 8-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**



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

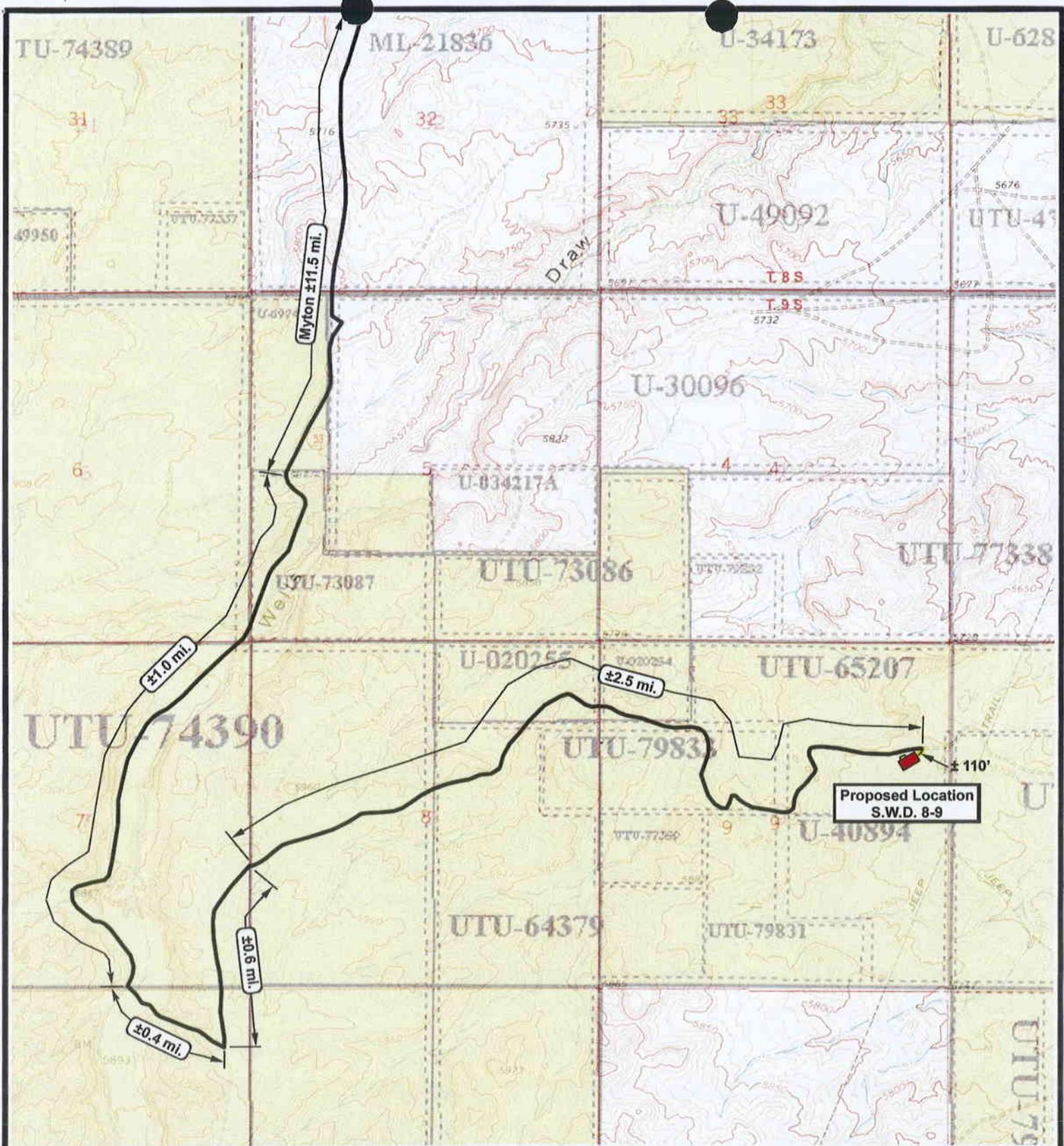
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 09-14-2005

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



**NEWFIELD**  
Exploration Company

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**South Wells Draw 8-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**

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

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SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 09-14-2005

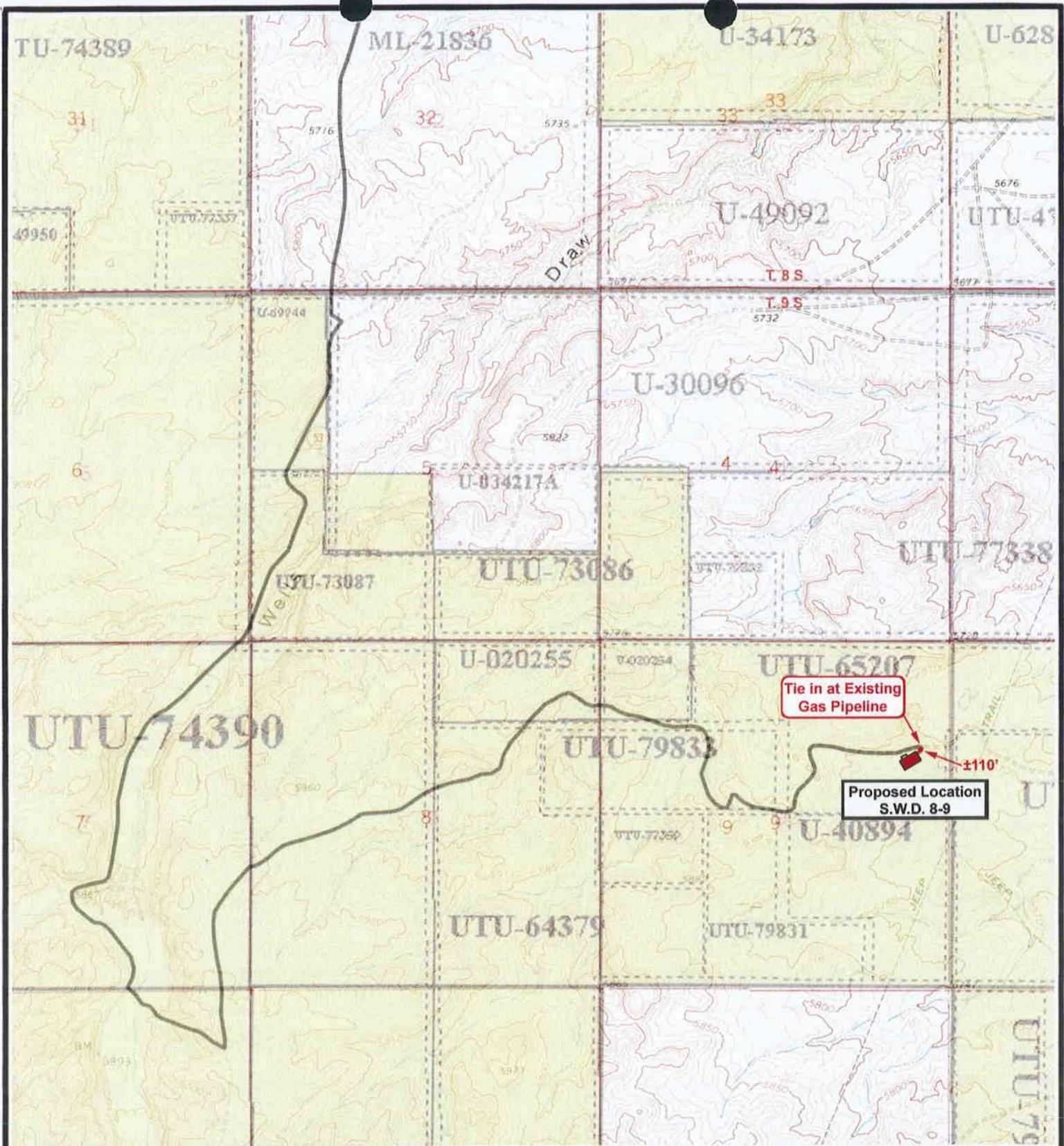
**Legend**

- Existing Road
- Proposed Access

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TOPOGRAPHIC MAP

**"B"**



 **NEWFIELD**  
Exploration Company

---

**South Wells Draw 8-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**



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

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SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 09-14-2005

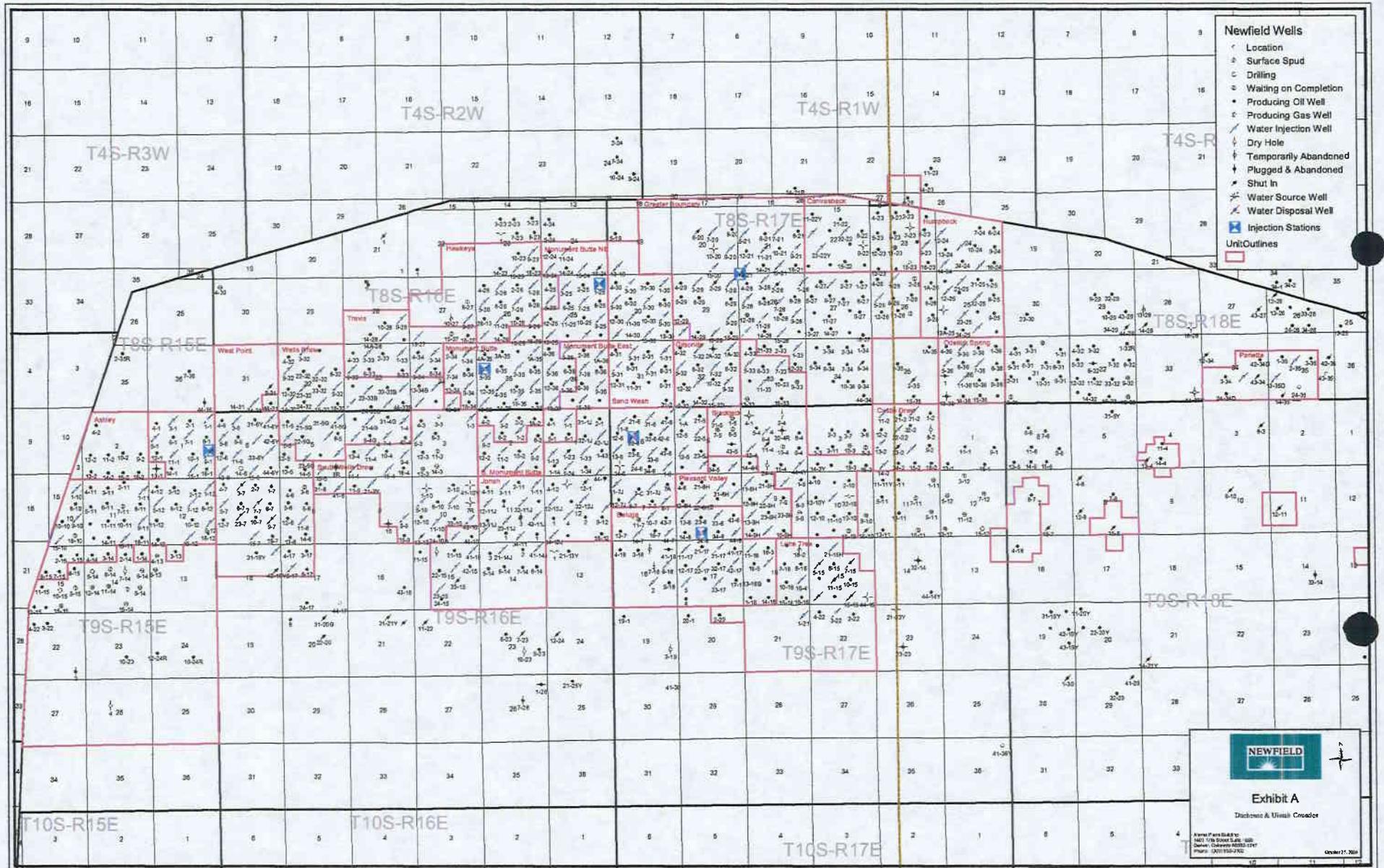
**Legend**

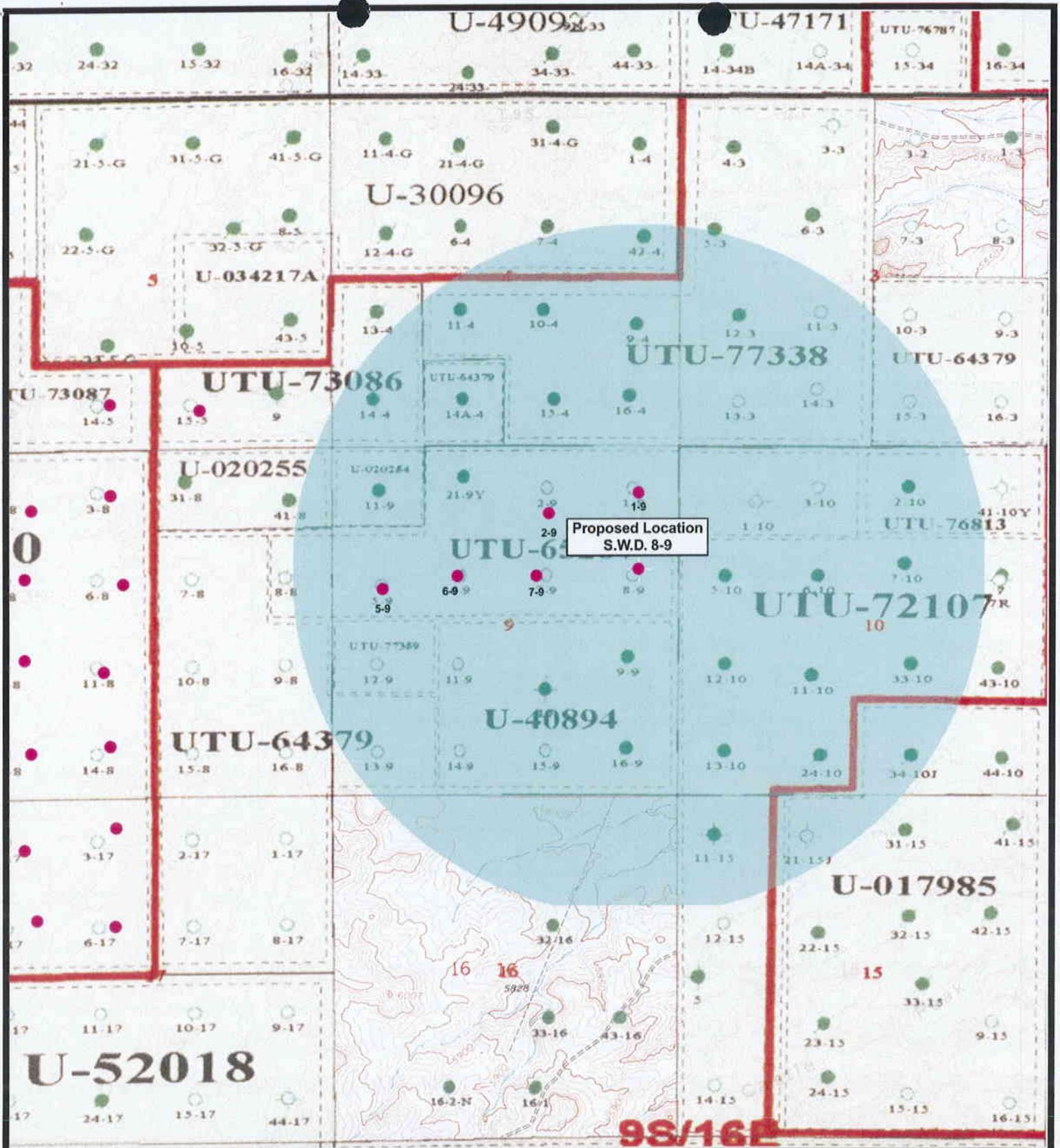
-  Roads
-  Proposed Gas Line

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**TOPOGRAPHIC MAP**

**"C"**





**NEWFIELD**  
Exploration Company

**South Wells Draw 8-9-9-16**  
SEC. 9, T9S, R16E, S.L.B.&M.

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

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 09-14-2005

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

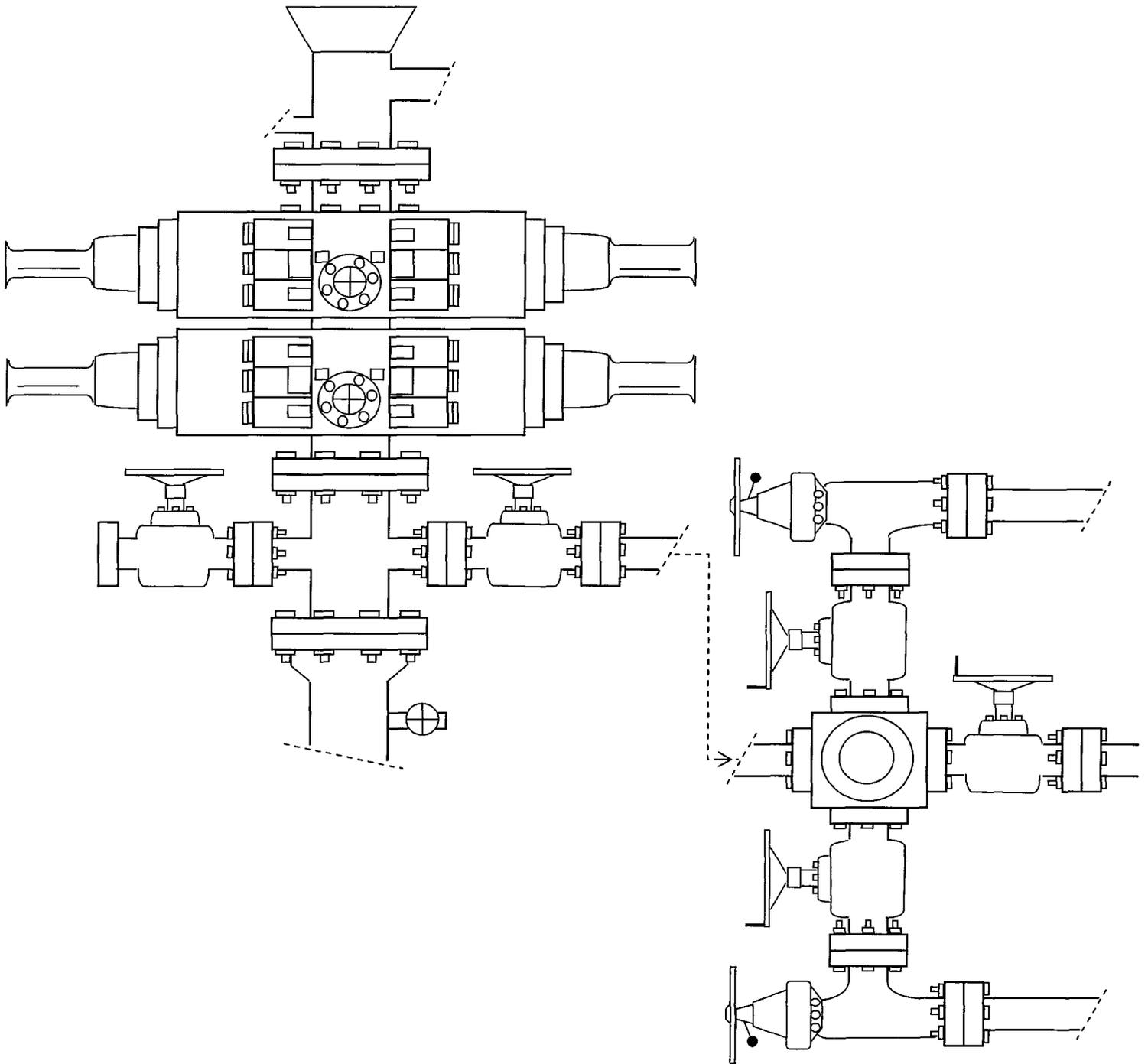


EXHIBIT C

# CULTURAL RESOURCE EVALUATION OF VARIOUS LARGE TRACTS IN THE WELLS DRAW TO PARIETTE BENCH LOCALITY IN DUCHESNE & UINTAH COUNTIES, UTAH

Report Prepared for Inland Resources, Inc.

Department of Interior Permit No.: UT-98-54937

Utah State Project No.: UT-98-AF-0164bs

AERC Project 1598 (IPC98-4)

Author of the Report:  
E. Richard Hauck, Ph.D



ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668 FAX: (801) 292-0614

E-mail: [ari@xmission.com](mailto:ari@xmission.com) Web page: [www.ari-aerc.org](http://www.ari-aerc.org)

July 21, 1998

**NEWFIELD PRODUCTION COMPANY**

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

Section 22, T 9 S, R 17 E [entire section excluding the NW 1/4, NE 1/4;  
NE 1/4 and NW 1/4, NW 1/4]; NE 1/4, Section 9, T 9 S, R 16 E;  
NE 1/4, NE 1/4, Section 10, T 9 S, R 17 E

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 29, 2005

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/05/2005

API NO. ASSIGNED: 43-013-32918

WELL NAME: S WELLS DRAW FED 8-9-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 09 090S 160E

SURFACE: 1773 FNL 0666 FEL

BOTTOM: 1773 FNL 0666 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-65207

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

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

LATITUDE: 40.04771

LONGITUDE: -110.1166

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )

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)

Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit SOUTH WELLS DRAW (GR)

\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

Drilling Unit

Board Cause No: 231-04

Eff Date: 7-16-01

Siting: Suspends Gen Siting

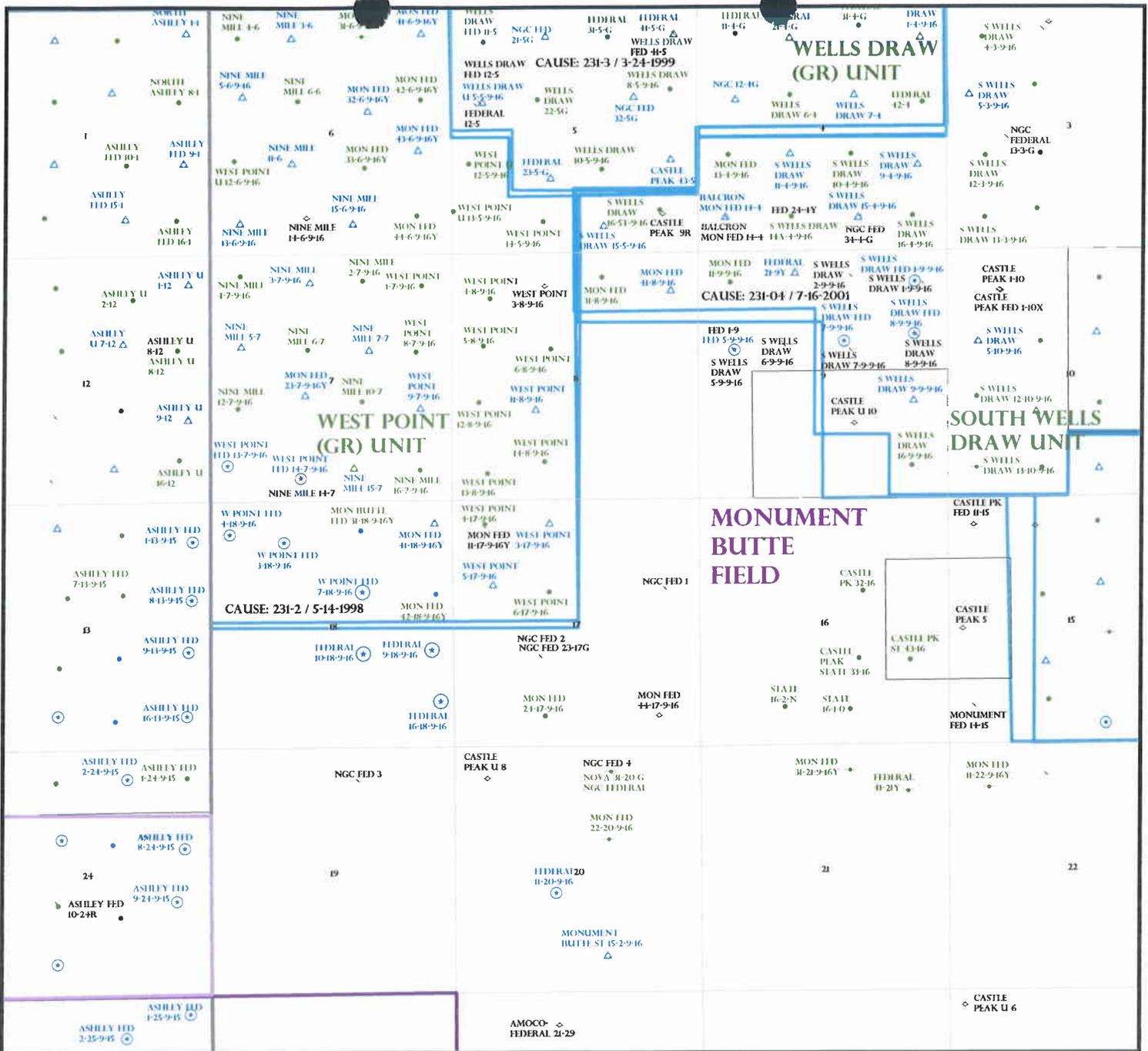
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

Sup, Separate file

STIPULATIONS:

1-federal approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 9 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 231-04 / 7-16-2001

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

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

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



PREPARED BY: DIANA WHITNEY  
DATE: 11-OCTOBER-2005

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

3160

(UT-922)

October 13, 2005

**Memorandum**

**To:** Assistant District Manager Minerals, Vernal District  
**From:** Michael Coulthard, Petroleum Engineer  
**Subject:** 2005 Plan of Development South Wells Draw Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the South Wells Draw Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Green River)

43-013-32915	S Wells Draw Fed 1-9-9-16	Sec 9 T09S R16E 0654 FNL 0659 FEL
43-013-32917	S Wells Draw Fed 7-9-9-16	Sec 9 T09S R16E 1919 FNL 2177 FEL
43-013-32918	S Wells Draw Fed 8-9-9-16	Sec 9 T09S R16E 1773 FNL 0666 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – South Wells Draw Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

October 18, 2005

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

Re: South Wells Draw Federal 8-9-9-16 Well, 1773' FNL, 666' FEL, SE NE,  
Sec. 9, 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 43-013-32918.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number South Wells Draw Federal 8-9-9-16

API Number: 43-013-32918

Lease: UTU-65207

Location: SE NE                      Sec. 9                      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.

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-65207**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SOUTH WELLS DRAW**

8. Well Name and No.

**S WELLS DRAW FED. 8-9-9-16**

9. API Well No.

**43-013-32918**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     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)

**1773 FNL 666 FEL SE/NE Section 9, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Permit Extension</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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 10/18/05 (expiration 10/18/06).

This APD has not been approved yet by the BLM.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 10-05-06

By: [Signature]

COPY SENT TO OPERATOR  
Date: 10-10-06  
Initials: RM

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

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

9/29/2006

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

**RECEIVED**

Date

**OCT 03 2006**

DIV. OF OIL, GAS & MINING

RECEIVED

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

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

**API:** 43-013-32918  
**Well Name:** South Wells Draw Federal 8-9-9-16  
**Location:** SE/NE Section 9, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/18/2005

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

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

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

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

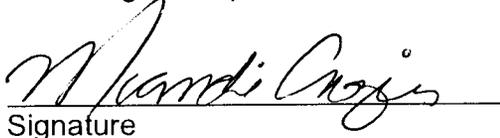
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

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

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

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

  
Signature

9/29/2006  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**OCT 03 2006**  
DIV. OF OIL, GAS & MINING

RECEIVED

OCT 05 2005

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM VERNAL, UTAH

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-65207
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. South Wells Draw
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. South Wells Draw Federal 8-9-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-32918
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NE 1773' FNL 666' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 16.0 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 9, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 666' f/ise, 1974' f/unit	16. No. of Acres in lease 280.00	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. 1126'	19. Proposed Depth 6165'	20. BLM/BLA Bond No. on file UT0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5721' GL	22. Approximate date work will start* 1st Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 9/30/05
Title Regulatory Specialist		

Approved by (Signature) 	Name (Printed/Typed) Terry Kuecks	Date 2-7-2007
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

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)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

RECEIVED

FEB 13 2007

DIV. OF OIL, GAS & MINING

07BM4645A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



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

**Company:** Newfield Production Company      **Location:** SENE, Sec 9, T9S, R16E  
**Well No:** South Wells Draw Federal 8-9-9-16      **Lease No:** UTU-65207  
**API No:** 43-013-32918      **Agreement:** South Wells Draw

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

**After Hours Contact Number: 435-781-4513**      Fax: 435-781-4410

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

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

**NOTIFICATION REQUIREMENTS**

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

**SURFACE USE PROGRAM**

### **CONDITIONS OF APPROVAL (COAs)**

#### STIPULATIONS:

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

#### CONDITIONS OF APPROVAL:

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.

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

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

All pounds are in pure live seed.

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

### General Surface COA

**Operator shall notify any active Gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.**

## **DOWNHOLE CONDITIONS OF APPROVAL**

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

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and / or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the

Monthly Report of Operations and Production.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: S WELLS DRAW FED 8-9-9-16

Api No: 43-013-32918 Lease Type: FEDERAL

Section 09 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 02/26/07

Time 3:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 02/26/07 Signed CHD

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

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

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					OO	SC	TP	RG	COUNTY		
B	99999	13269	43-013-32964	SOUTH WELLS DRAW 7-3-9-16	SW/NE	3	9S	16E	DUCHESNE	2/22/2007	2/28/07
WELL COMMENTS: <i>GRU</i>											
B	99999	13269	43-013-32915	SOUTH WELLS DRAW 1-9-9-16	NE/NE	9	9S	16E	DUCHESNE	2/23/2007	2/28/07
WELL COMMENTS: <i>GRU</i>											
B	99999	13269	43-013-32918	SOUTH WELLS DRAW 8-9-9-16	SE/NE	9	9S	16E	DUCHESNE	2/26/2007	2/28/07
WELL COMMENTS: <i>GRU</i>											
A	99999	15957	43-013-33225	FEDERAL 6-20-9-17	SE/NW	20	9S	17E	DUCHESNE	2/28/2007	2/28/07
WELL COMMENTS: <i>GRU</i>											
WELL COMMENTS:											
WELL COMMENTS:											

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

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

RECEIVED  
 FEB 28 2007

*Lana Nebeker*  
 Signature  
 LANA NEBEKER  
 Production Analyst  
 February 28, 2007  
 Date

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.



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    (include are code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 1773 FNL 666 FEL  
 SENE Section 9 T9S R16E

5. Lease Serial No.  
 USA UTU-65207

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 S WELLS DRAW UNIT

8. Well Name and No.  
 SOUTH WELLS DRAW FEDERAL

9. API Well No.  
 4301332918    8-9-9-16

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	<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	<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 recomplate 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 2/26/07 MIRU NDSI NS # 1. Spud well @ 3:00 PM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.91 KB. On 9/10/05 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 6 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)  
 Justin Crum  
 Signature

Title  
 Drilling Foreman

Date  
 03/14/2007

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

Office \_\_\_\_\_

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

(Instructions on reverse)

RECEIVED

MAR 19 2007

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.91

LAST CASING 8 5/8" set @ 323.91  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 8-9-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		44.69 Joint 44.48'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	313.01
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			313.91
TOTAL LENGTH OF STRING		313.91	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			<b>323.91</b>
TOTAL		312.06	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		312.06	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	2/26/2007	3:00 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		2/28/2007		Bbls CMT CIRC TO SURFACE <u>6</u>			
BEGIN CIRC		3/1/2007		RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		3/1/2007					
BEGIN DSPL. CMT		3/1/2007		BUMPED PLUG TO <u>420</u> PSI			
PLUG DOWN		3/1/2007					
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
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 Justin Crum DATE 3/10/2007

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.

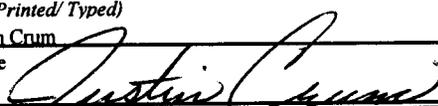
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-65207
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or S WELLS DRAW UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1773 FNL 666 FEL SENE Section 9 T9S R16E		8. Well Name and No. SOUTH WELLS DRAW FEDERAL
		9. API Well No. 4301332918
		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	<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	<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 recompleate 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 recompleation 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 3/19/07 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6130'. 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, 141 jt's of 5.5 J-55, 15.5# csgn. Set @ 6130' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 45 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #'s tension. Release rig @ 1:30 PM on 3/24/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 03/27/2007

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

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

(Instructions on reverse)

**RECEIVED**  
**MAR 28 2007**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

\_\_\_\_\_ **5 1/2"** CASING SET AT \_\_\_\_\_ **6130.15**

Fit clr @ 6072.56

LAST CASING 8 5/8" SET AT 323'

OPERATOR Newfield Production Company

DATUM 12

WELL Federal 8-9-9-16

DATUM TO CUT OFF CASING \_\_\_\_\_ 12

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI Rig # 1

TD DRILLER 6130' LOGGER \_\_\_\_\_

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>Short jt @ 4157' 6.20'</b>					
<b>138</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	6072.3
							0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	44.6
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6132.15
TOTAL LENGTH OF STRING		6132.15	139	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		420.48	7	CASING SET DEPTH			<b>6130.15</b>
<b>TOTAL</b>		<b>6537.38</b>	<b>146</b>	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6537.38	146				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB <u>Yes</u>			
BEGIN RUN CSG.		3/24/2007	3:00 AM	Bbls CMT CIRC TO SURFACE <u>45</u>			
CSG. IN HOLE		3/24/2007	6:00 AM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN CIRC		3/24/2007	6:00 AM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN PUMP CMT		3/24/2007		BUMPED PLUG TO _____ PSI			
BEGIN DSPL. CMT		3/24/2007					
PLUG DOWN		3/24/2007					
CEMENT USED				CEMENT COMPANY- <b>B. J.</b>			
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>300</b>	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>450</b>	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 Justin Crum

DATE 3/24/2007

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.  
USA UTU-65207

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
S WELLS DRAW UNIT

8. Well Name and No.  
SOUTH WELLS DRAW FEDERAL 8-9-9-16

9. API Well No.  
4301332918

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**SUBMIT IN TRIPLICATE - Other Instructions on file**

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 (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1773 FNL 666 FEL  
SENE Section 9 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE 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	<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	<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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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

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

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 04/19/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

**RECEIVED**

(Instructions on reverse)

APR 20 2007

DIV. OF OIL, GAS & MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

**UTU-65207**

**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

**So. Wells Draw Federal**

**1b. TYPE OF WELL**

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.

**So. Wells Draw Federal 8-9-9-16**

2. NAME OF OPERATOR

**Newfield Exploration Company**

9. WELL NO.

**43-013-32918**

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 **1773' FNL & 666' FEL (SE/NE) Sec. 9, T9S, R16E**  
At top prod. Interval reported below

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Sec. 9, T9S, R16E**

At total depth

14. API NO. **43-013-32918** DATE ISSUED **10/18/06**

12. COUNTY OR PARISH  
**Duchesne**

13. STATE  
**UT**

15. DATE SPUDDED  
**02/26/07**

16. DATE T.D. REACHED  
**03/23/07**

17. DATE COMPL. (Ready to prod.)  
**05/11/07**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**6627' GL**

19. ELEV. CASINGHEAD  
**6639' KB**

20. TOTAL DEPTH, MD & TVD  
**6125'**

21. PLUG BACK T.D., MD & TVD  
**6084'**

22. IF MULTIPLE COMPL., HOW MANY\*  
\_\_\_\_\_

23. INTERVALS DRILLED BY  
**----->**

ROTARY TOOLS  
**X**

CABLE TOOLS  
\_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

**Green River 4200'-5931'**

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**

**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#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6130'	7-7/8"	300 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5957'	TA @ 5854'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5922'-5931'	.49"	4/36	5922'-5931'	Frac w/ 14,948# 20/40 sand in 271 bbls fluid
(A3) 5248'-5256'	.49"	4/32	5428'-5256'	Frac w/ 40,548# 20/40 sand in 382 bbls fluid
(B2) 5060'-5072'	.49"	4/48	5060'-5072'	Frac w/ 90,627# 20/40 sand in 659 bbls fluid
(D1) 4772'-80, 4749'-59'	.49"	4/72	4749'-4780'	Frac w/ 124,470# 20/40 sand in 856 bbls fluid
(PB10) 4496'-4502'	.49"	4/24	4496'-4502'	Frac w/ 14,785# 20/40 sand in 235 bbls fluid
(GB2) 4200'-4207'	.49"	4/28	4200'-4207'	Frac w/ 32,559# 20/40 sand in 313 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
05/11/07	2-1/2" x 1-3/4" x 19.5' 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
10 day ave			----->	80	35	140	438
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

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

**Sold & Used for Fuel**

**MAY 18 2007**

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS

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

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

SIGNED Jentri Park

TITLE Production Clerk

DATE 5/17/2007

JP

\*(See Instructions and Spaces 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
			<b>Well Name</b> <b>So. Wells Draw Federal 8-9-9-16</b>	Garden Gulch Mkr	3714'	
				Garden Gulch 1	3947'	
				Garden Gulch 2	4043'	
				Point 3 Mkr	4299'	
				X Mkr	4571'	
				Y-Mkr	4604'	
				Douglas Creek Mkr	4722'	
				BiCarbonate Mkr	4965'	
				B Limestone Mkr	5092'	
				Castle Peak	5577'	
				Basal Carbonate	6003'	
				Total Depth (LOGGERS)	6141'	

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
 USA UTU-65207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
 S WELLS DRAW UNIT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR:  
 NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:      PHONE NUMBER  
 Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052      435.646.3721

4. LOCATION OF WELL:      10. FIELD AND POOL, OR WILDCAT:  
 FOOTAGES AT SURFACE: 1773 FNL 666 FEL      COUNTY: DUCHESNE  
 OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 9, T9S, R16E      STATE: UT

8. WELL NAME and NUMBER: 89-9-14  
 SOUTH WELLS DRAW FEDERAL

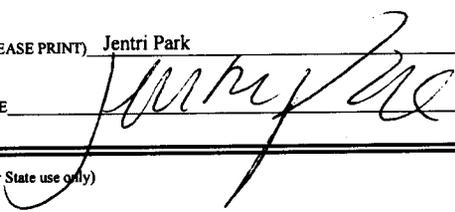
9. API NUMBER:  
 4301332918

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 (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 05/17/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 The above subject well was completed on 05/17/07, attached is a daily status completion report.

NAME (PLEASE PRINT) Jentri Park      TITLE Production Clerk

SIGNATURE       DATE 05/17/2007

(This space for State use only)

**RECEIVED**  
**MAY 18 2007**  
 DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**S WELLS DRW 8-9-9-16**

2/1/2007 To 6/30/2007

**4/5/2007 Day: 1**

**Completion**

Rigless on 4/4/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6049' & cement top @ 42'. Perforate stage #1, CP5 sds @ 5922-5931' w/ 3-1/8" Slick Guns (23 gram, .49" HE, 120°) w/ 4 spf for total of 36 shots. 145 bbls EWTR. SIFN.

**4/13/2007 Day: 2**

**Completion**

Rigless on 4/12/2007 - RU BJ Services. 5 psi on well. Frac CP5 sds w/ 14,948#'s of 20/40 sand in 271 bbls of Lightning 17 fluid. Broke @ 2544 psi. Treated w/ ave pressure of 1920 psi @ ave rate of 25.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1840 psi. Leave pressure on well. 416 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 5350'. Perforate A3 sds @ 5248- 56' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1370 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Perforators LLC & dump bail acid. RU BJ Services. 1219 psi on well. Frac A3 sds w/ 40,548#'s of 20/40 sand in 382 bbls of Lightning 17 fluid. Broke @ 3487 psi. Treated w/ ave pressure of 1973 psi @ ave rate of 25.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2075 psi. Leave pressure on well. 798 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 12' perf gun. Set plug @ 5170'. Perforate B2 sds @ 5060-72' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ Services. 432 psi on well. Frac B2 sds w/ 90,627#'s of 20/40 sand in 659 bbls of Lightning 17 fluid. Broke @ 3850 psi. Treated w/ ave pressure of 2804 psi @ ave rate of 25.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 3544 psi. Leave pressure on well. 1457 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid plug, 8' & 10' perf gun. Went to set plug, But fired top gun. Shot 4851-4861' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. POOH w/ plug & guns. Rewire & RIH w/ Weatherford 5-1/2" 5K composite solid plug, 7' & 12' perf gun. Went to set plug, But fired top gun. Shot 4799-4811' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shot. POOH w/ plug & guns. RIH w/ Weatherford 5-1/2" 5K composite solid plug. Set plug @ 4830'. RIH w/ 8' perf gun. Perforate D1 sds @ 4772-80'. RIH w/ 10' perf gun. Perforate D1 sds @ 4749- 59' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 72 shots (Total of 5 wireline runs made). RU BJ Services. 835 psi on well. Frac D1 sds w/ 124,470#'s of 20/40 sand in 856 bbls of Lightning 17 fluid. Broke @ 3102 psi. Treated w/ ave pressure of 2033 psi @ ave rate of 25 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2150 psi. Leave pressure on well. 2313 BWTR.

**4/14/2007 Day: 3**

**Completion**

Western #2 on 4/13/2007 - RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through plug & 6' perf gun. Set plug @ 4600'. Perforated PB10 sds @ 4496-4502' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services.

1440 psi on well. Frac PB10 sds w/ 14,785#'s of 20/40 sand in 235 bbls of Lightning 17 fluid. Broke @ 3830 psi. Treated w/ ave pressure of 2026 psi @ ave rate of 14.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2160 psi. Leave pressure on well. 2548 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through plug & 7' perf gun. Set plug @ 4300'. Perforated GB2 sds @ 4200-4207' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 shots. RU BJ Services. 1795 psi on well. Frac GB2 sds w/ 32,559#'s of 20/40 sand in 313 bbls of Lightning 17 fluid. Broke @ 3421 psi. Treated w/ ave pressure of 2966 psi @ ave rate of 25.1 BPM. ISIP 4000 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs. Rec. est 300 BTF. Turned to oil & gas. Shut in well. MIRU Western rig #2. RU Perforators LLC WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid kill plug. Set plug @ 4102'. RD WLT & lubricator. SIWFN w/ 2561 BWTR.

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4/17/2007 Day: 4

Completion

Western #2 on 4/16/2007 - ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ new Weatherford 4 3/4" Chomp bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag solid composite bridge plug @ 4102'. RU power swivel. Circ oil & gas f/ well. Drill out kill plug in 22 minutes (using conventional circulation). Well flowing fair amount. Con't swivelling jts in hole. Tag flow-through plug @ 4300'. Drill out plug in 32 minutes. Con't swivelling jts in hole to flow-through plug @ 4600'. Drill out plug in 29 minutes. Returning to production tks while heat & transfer flat tank. Con't swivelling jts in hole to 4730'. Casing plugged off--tbg blew in. Free casing plug & circ hole clean. Hang back swivel & pull EOT to 4661'. SIFN W/ est 2351 BWTR. Estimating recovery during cleanout of 210 BW & 100 BO.

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4/18/2007 Day: 5

Completion

Western #2 on 4/17/2007 - Bleed well off to production tks. RU & circ well to production tks (stays flowing). TIH W/ bit & tbg f/ 4661'. Tag fill @ 4784'. PU swivel. C/O sd to solid plug @ 4830'. Drill out plug (W/ conventional circulation) in 24 minutes. Con't swivelling jts in hole to tag sd @ 4943'. C/O sd & drill out solid plug @ 5170' in 7 minutes. Con't swivelling jts in hole to tag flow-through plug @ 5350'. Drill out plug in 14 minutes. Circ hole clean. Hang back swivel & pull EOT to 5387'. SIFN W/ est 2111 BWTR. Had to transfer flat tk of oil twice. Estimated recovery for day of 400 BO & 240 BW.

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4/19/2007 Day: 6

Completion

Western #2 on 4/18/2007 - Bleed well off to production tks. RU & circ well to production tks (stays flowing). TIH W/ bit & tbg f/ 5387'. Tag fill @ 5953'. PU swivel. Drill plug remains & sd to PBD @ 6084'. Circ hole clean. RD swivel. LD excess tbg. Strip off circulating head. Install 3M B-1 adapter flange & NU to top of BOP. Install flow tree. Tie adjustable choke into flowline. SITP @ 150 psi & SICP @ 450 psi. Open well to treater @ 12:30 PM on 20/64" choke. RDMOSU. Est 2036 BWTR. Estimated recovery during cleanout of 50 BO & 75 BW.

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5/11/2007 Day: 7

Completion

Western #4 on 5/10/2007 - Well has been flowing since 4/18/2007. RU Delsco SLT to cut wax. Unable to get past 5'. RU HO trk & pump 30 BW @ 250°F. 2 3/8" wax knife stacks out @ 1100' (tbg plugged off). Pump 50 bbls condensate down tbg & shut well in. Work 2 3/8 wax knife to btm. MU 2 7/8 knife. Tight f/ 1200 to 1450'. After several passes it seems pretty clean. RD Delsco. Leave well shut in W/ SICP @

**400 psi & tbg @ 0. MIRU Western #4.****5/12/2007 Day: 8****Completion**

Western #4 on 5/13/2007 - Bleed well down. RU HO trk to tbg & circ 180 bbls 10# brine @ 220°F. Returned 125 BTF. Well static. ND flow tree and B1 flange. PU & TIH W/ 3 jts tbg to 6048'. LD work string. 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) & 177 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5854' W/ SN @ 5890' & EOT @ 5957'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 3/4" X 19.5' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 110-3/4" plain rods, 99-7/8" scraped rods (4 scrapers per rod) and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 2 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RD MOSU. Est 57 BWTR. Place well on production @ 4:00 PM 5/11/2007 W/ 120" SL @ 5 SPM. FINAL REPORT!!

**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-65207
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW FED 8-9-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013329180000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1773 FNL 0666 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 09 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> 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: 5/22/2012	<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 subject well has been converted from a producing oil well to an injection well on 05/17/2012. On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
June 04, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 5/22/12 Time 9:00 am pm  
Test Conducted by: Rick Boly  
Others Present: \_\_\_\_\_

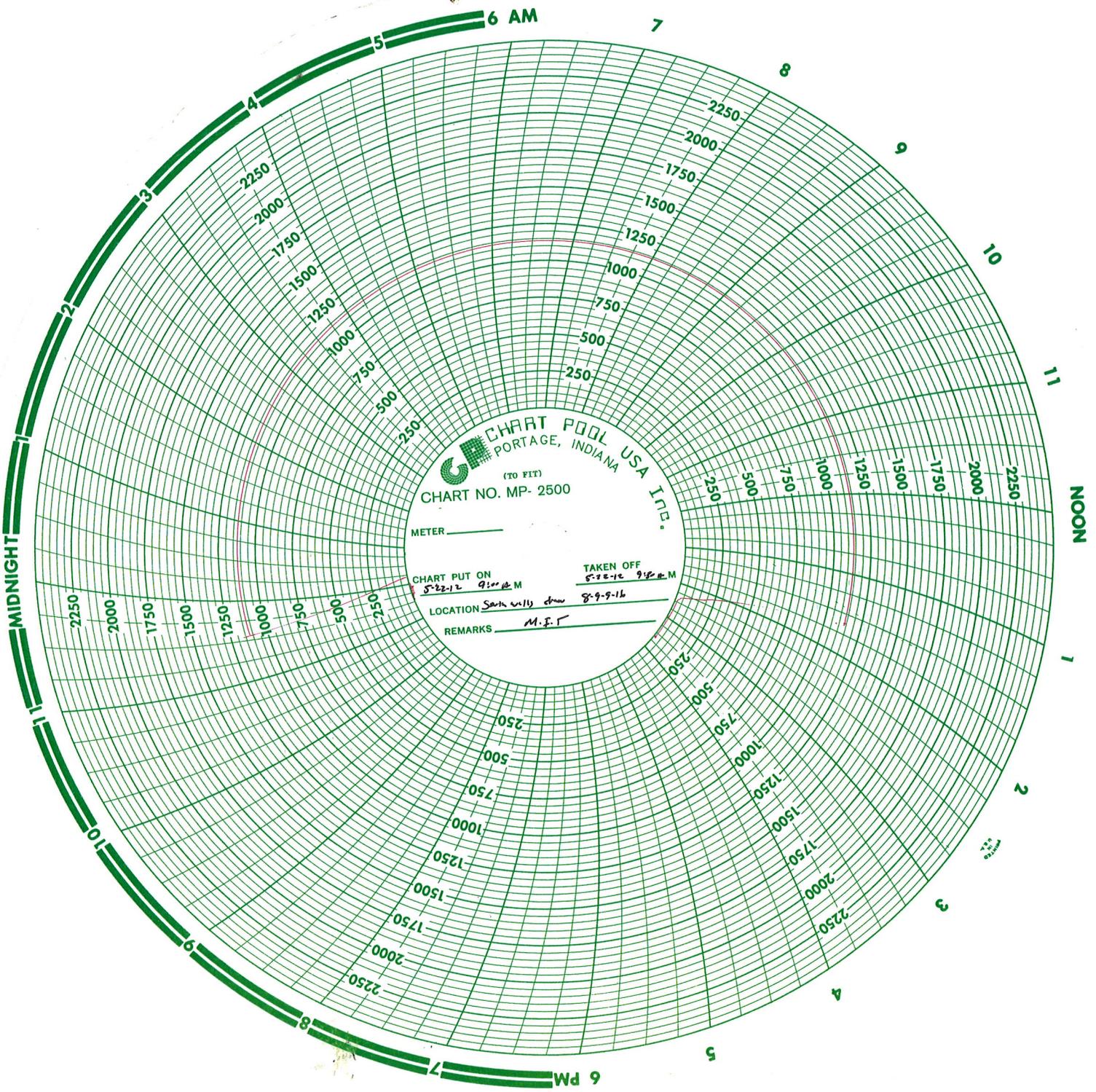
Well: South wells draw 8-9-9-16 Field: Monument Butte  
Well Location: South wells draw 8-9-9-16 API No: 4301332918

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1150</u>	psig
5	<u>1150</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20	<u>1150</u>	psig
25	<u>1150</u>	psig
30 min	<u>1150</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 40 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Rick Boly



## Daily Activity Report

Format For Sundry

S WELLS DRW 8-9-9-16

3/1/2012 To 7/30/2012

**5/16/2012 Day: 1**

**Conversion**

NC #3 on 5/16/2012 - MIRUSU, TOH & LD w/ rods. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & attempt to pressure test tbg. Tbg blew @ 2500 psi. Used 15 bbls water to test tbg. Unseat rod pump. TOH & LD w/ 97- 7/8 guided rods, 108- 3/4 plain rods, 21- 3/4 guided rods, 6- 1 1/2 wt bars, rod pump. X -over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & attempt to pressure test tbg. Tbg blew @ 2500 psi. Used 15 bbls water to test tbg. Unseat rod pump. TOH & LD w/ 97- 7/8 guided rods, 108- 3/4 plain rods, 21- 3/4 guided rods, 6- 1 1/2 wt bars, rod pump. X -over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$64,593

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**5/17/2012 Day: 2**

**Conversion**

NC #3 on 5/17/2012 - Cont to TOH w/ tbg breaking collars, pressure test tbg. - Pump 20 bbls water down csg @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 46- jts 2 7/8. TOH & LD w/ 51- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on-off tool, 126- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 15 bbls water for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 50 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 20 bbls fresh water w/ pkr fluid. Pressure test csk & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 20 bbls water down csg @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 46- jts 2 7/8. TOH & LD w/ 51- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on-off tool, 126- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 15 bbls water for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 50 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 20 bbls fresh water w/ pkr fluid. Pressure test csk & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$88,654

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**5/23/2012 Day: 3**

**Conversion**

Rigless on 5/23/2012 - Conduct initial MIT - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not a State representative available to witness the test. - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure

was 40 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$120,474

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**Pertinent Files:** [Go to File List](#)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-65207
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW FED 8-9-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013329180000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1773 FNL 0666 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 09 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

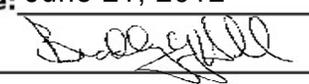
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/15/2012	<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="PUT ON INJECTION"/>

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 10:00 AM on  
06/15/2012.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** June 21, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/18/2012	



March 11, 2011

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

RE: Permit Application for Water Injection Well  
Federal #8-9-9-16  
Monument Butte Field, Lease #UTU-65207  
Section 9-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

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

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long horizontal flourish extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**MAR 21 2011**

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

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #8-9-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-65207**  
**MARCH 11, 2011**

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

Well Name and number: Federal #8-9-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-65207  
Well Location: QQ SENE section 9 township 9S range 16E county Duchesne

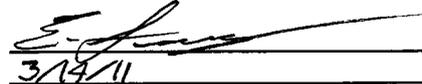
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for:           Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
  Disposal? . . . . . Yes [ ] No [ X ]  
  Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]  
Date of test: \_\_\_\_\_  
API number: 43-013-32918

Proposed injection interval:       from       4042       to       6084  
Proposed maximum injection:     rate       500 bpd pressure 1802 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

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

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

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

Name: Eric Sundberg Signature   
Title Regulatory Lead Date 3/19/11  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# FEDERAL 8-9-9-16

Spud Date: 03/04/07  
 Put on Production: 05/11/07  
 GL: 5721' KB: 5733'

Initial Production: BOPD,  
 MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (313.01')  
 DEPTH LANDED: 323.91' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

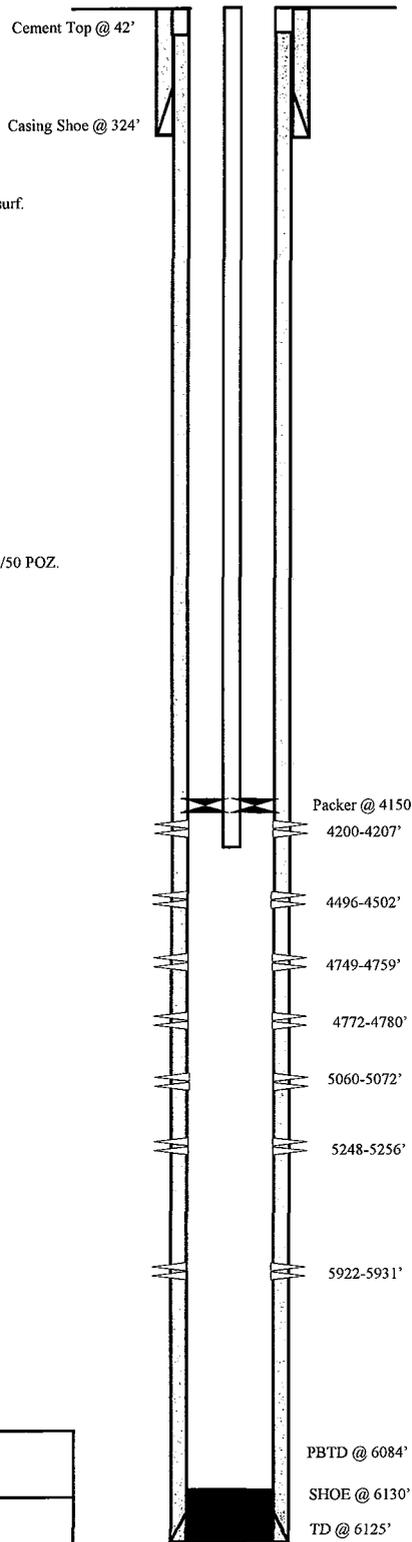
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6116.90')  
 DEPTH LANDED: 6130.15' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 42'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 177 jts (5842.02')  
 TUBING ANCHOR: 5854.02' KB  
 NO. OF JOINTS: 1 jts (33.00')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5889.82' KB  
 NO. OF JOINTS: 2 jts (65.93')  
 TOTAL STRING LENGTH: EOT @ 5957.30' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

04/12/07	5922-5931'	<b>Frac CP5 sands as follows:</b> 14948# 20/40 sand in 271 bbls Lightning 17 frac fluid. Treated @ avg press of 1920 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 5920 gal. Actual flush: 5376 gal.
04/12/07	5248-5256'	<b>Frac A3 sands as follows:</b> 40548# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 25.1 BPM. ISIP 2075 psi. Calc flush: 5246 gal. Actual flush: 4742 gal.
04/12/07	5060-5072'	<b>Frac B2 sands as follows:</b> 90627# 20/40 sand in 659 bbls Lightning 17 frac fluid. Treated @ avg press of 2804 psi w/avg rate of 25.4 BPM. ISIP 3544 psi. Calc flush: 5058 gal. Actual flush: 4553 gal.
04/12/07	4772-4780'	<b>Frac D1 sands as follows:</b> 124470# 20/40 sand in 856 bbls Lightning 17 frac fluid. Treated @ avg press of 2033 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc flush: 4770 gal. Actual flush: 4242 gal
04/13/07	4496-4502'	<b>Frac PB10 sands as follows:</b> 14785# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2026 psi w/avg rate of 14.6 BPM. ISIP 2160 psi. Calc flush: 4494 gal. Actual flush: 3990 gal
04/13/07	4200-4207'	<b>Frac GB2 sands as follows:</b> 32559# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 2966 psi w/avg rate of 25.1 BPM. ISIP 4000 psi. Calc flush: 4198 gal. Actual flush: 3658 gal

## PERFORATION RECORD

04/04/07	5922-5931'	4 JSPF	36 holes
04/12/07	5248-5256'	4 JSPF	32 holes
04/12/07	5060-5072'	4 JSPF	48 holes
04/12/07	4772-4780'	4 JSPF	32 holes
04/12/07	4749-4759'	4 JSPF	40 holes
04/13/07	4496-4502'	4 JSPF	24 holes
04/13/07	4200-4207'	4 JSPF	28 holes

**NEWFIELD**

---

**FEDERAL 8-9-9-16**

1773' FNL & 666' FEL

SE/NE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32918; Lease # UTU-65207

## WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202
  
  - 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.
  
  - 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #8-9-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.
  
  - 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.
  
  - 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #8-9-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (4042' - 6084'). 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 3712' and the TD is at 6125'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #8-9-9-16 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-65207) 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 324' KB, and 5-1/2", 15.5# casing run from surface to 6130' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

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

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1802 psig.

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

The minimum fracture gradient for the Federal #8-9-9-16, for existing perforations (4200' - 5931') calculates at 0.74 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 1802 psig. We may add additional perforations between 3712' and 6125'. See Attachments G and G-1.

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

In the Federal #8-9-9-16, the proposed injection zone (4042' - 6084') 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.

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

See Attachments E through E-14.

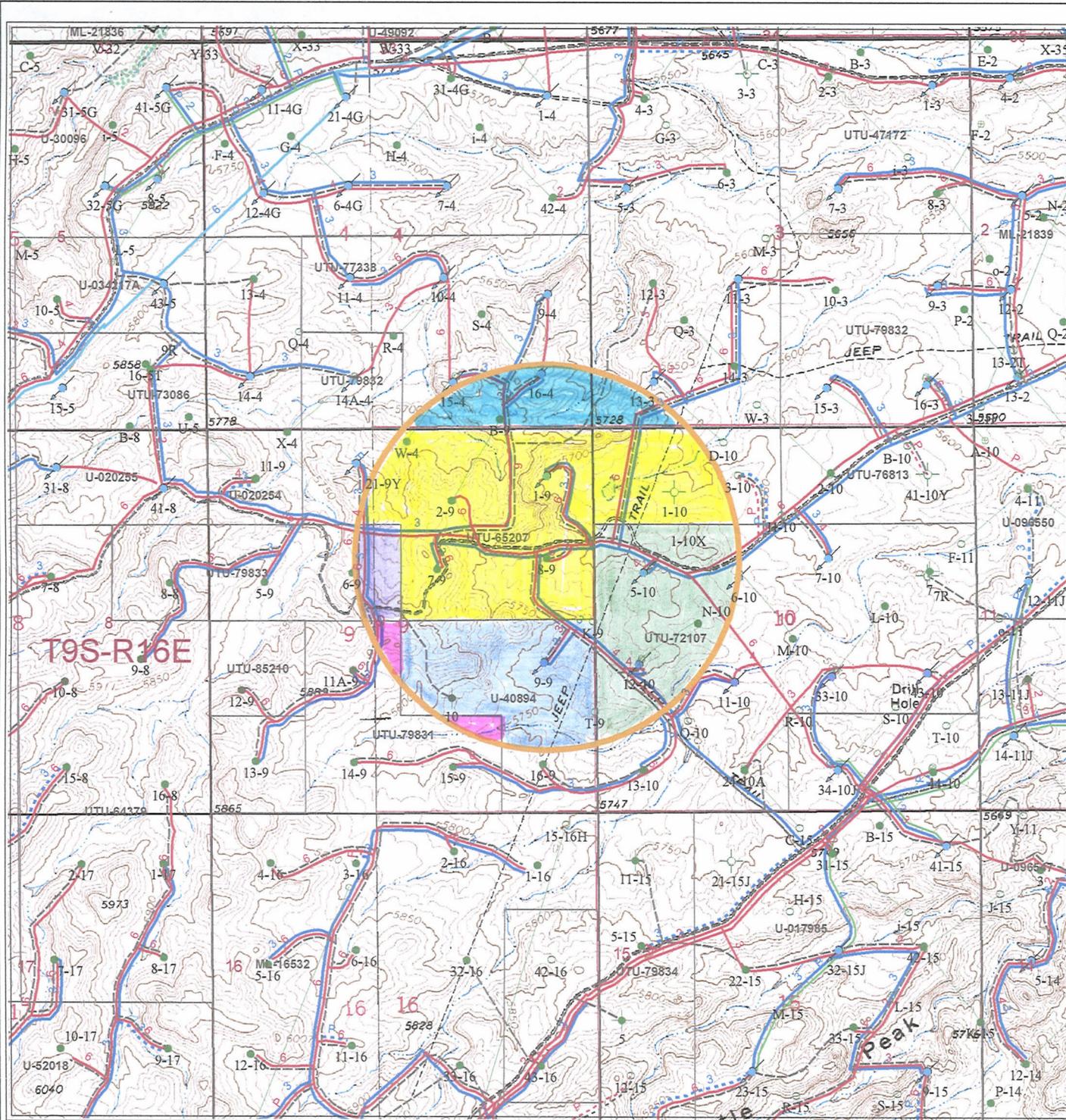
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



**Well Status**

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

**Countyline**

- Countyline
- 8\_9\_16\_Buffer

**Injection system**

- high pressure
- low pressure
- ⋯ proposed
- return
- ⋯ return proposed

**Leases**

- Leases
- Mining tracts

**Gas Pipelines**

- Gathering lines
- ⋯ Proposed lines

- UTU - 65207
- UTU - 77338
- UTU - 79833
- UTU - 79831
- UTU - 40894
- UTU - 72107

S Wells Draw 8-9  
Section 9, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1" = 2000'

1/2 Mile Radius Map  
Duchesne & Uintah Counties

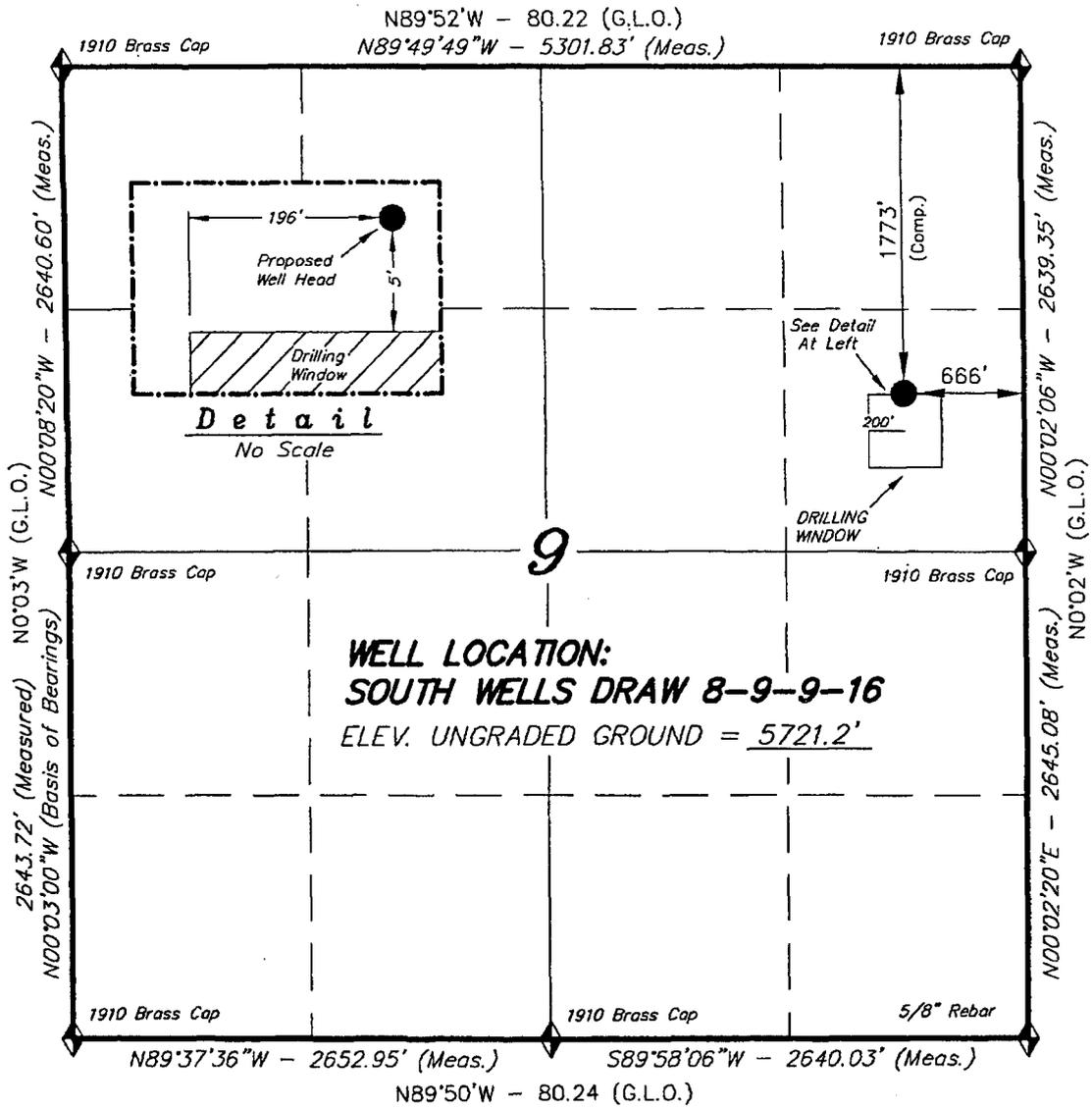
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

January 17, 2011

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

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, SOUTH WELLS DRAW 8-9-9-16, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 9, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:  
SOUTH WELLS DRAW 8-9-9-16**  
ELEV. UNGRADED GROUND = 5721.2'

**Note:**  
The Proposed Well head bears  
N37°30'16" W 1094.19' from the East  
1/4 Corner of Section 9.

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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

**STACY W. STEWART**  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 8235  
STATE OF UTAH

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 9-13-05	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>T9S,R16E SLM</u> Section 9: NE, NENW Section 10: N2NW	USA UTU-65207 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation MYCO Industries, Inc.	USA
2	<u>T9S,R16E SLM</u> Section 3: Lots 3-4 (N2NW), S2NW, SW Section 4: SE, NESW	USA UTU-77338 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>Township 9 South, Range 16 East SLM</u> Section 8: SENE Section 9: S2NW	USA UTU-79833 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation MYCO Industries, Inc.	USA
4	<u>Township 9 South, Range 16 East SLM</u> Section 9: E2SW, SWSE	USA UTU-79831 HBP	Newfield Production Company Newfield RMI LLC	USA
5	<u>Township 9 South, Range 16 East SLM</u> Section 9: N2SE, SESE	USA UTU-40894 HBP	Newfield Production Company Newfield RMI LLC	USA
6	<u>Township 9 South, Range 16 East SLM</u> Section 10: S2N2, N2S2, S2SW	USA UTU-72107 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

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

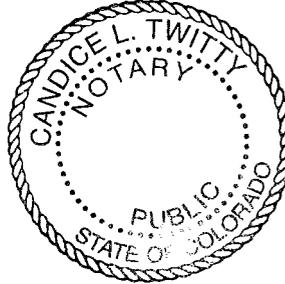
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 14<sup>th</sup> day of March, 2011.

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

My Commission Expires 02/10/2013



## FEDERAL 8-9-9-16

Spud Date: 03/04/07  
Put on Production: 05/11/07

GL: 5721' KB: 5733'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
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DEPTH LANDED: 323.91' KB  
HOLE SIZE: 12-1/4"  
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CEMENT TOP: 42'

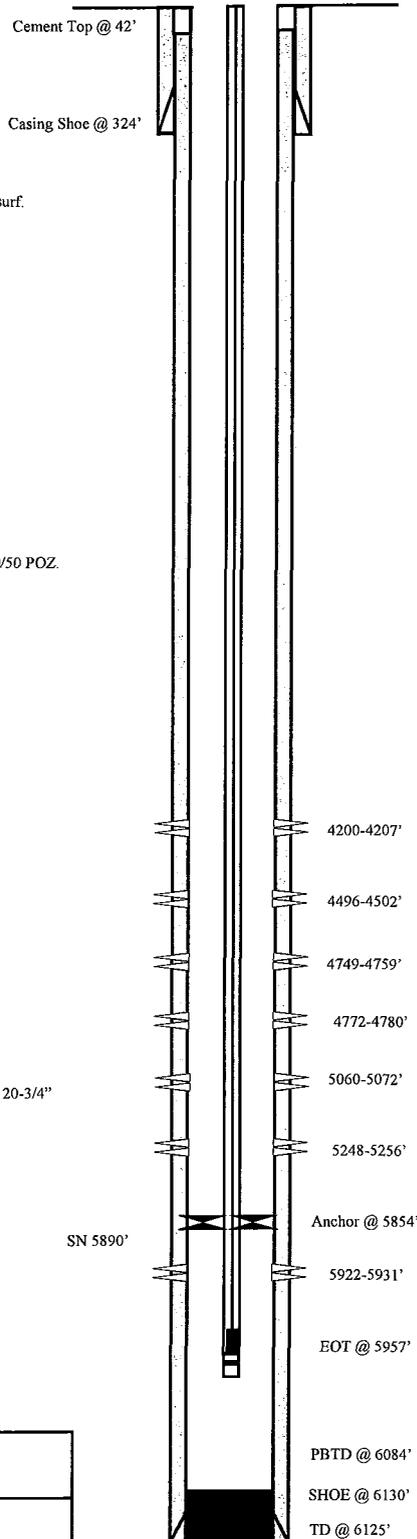
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 177 jts (5842.02')  
TUBING ANCHOR: 5854.02' KB  
NO. OF JOINTS: 1 jts (33.00')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5889.82' KB  
NO. OF JOINTS: 2 jts (65.93')  
TOTAL STRING LENGTH: EOT @ 5957.30' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 99-7/8" scraped rods, 110-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 19.5' RHAC  
STROKE LENGTH: 120"  
PUMP SPEED, 5 SPM:

### Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

### FRAC JOB

04/12/07	5922-5931'	<b>Frac CP5 sands as follows:</b> 14948# 20/40 sand in 271 bbls Lightning 17 frac fluid. Treated @ avg press of 1920 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 5920 gal. Actual flush: 5376 gal.
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04/12/07	4772-4780'	<b>Frac D1 sands as follows:</b> 124470# 20/40 sand in 856 bbls Lightning 17 frac fluid. Treated @ avg press of 2033 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc flush: 4770 gal. Actual flush: 4242 gal.
04/13/07	4496-4502'	<b>Frac PB10 sands as follows:</b> 14785# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2026 psi w/avg rate of 14.6 BPM. ISIP 2160 psi. Calc flush: 4494 gal. Actual flush: 3990 gal.
04/13/07	4200-4207'	<b>Frac GB2 sands as follows:</b> 32559# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 2966 psi w/avg rate of 25.1 BPM. ISIP 4000 psi. Calc flush: 4198 gal. Actual flush: 3658 gal.

### PERFORATION RECORD

04/04/07	5922-5931'	4 JSPF	36 holes
04/12/07	5248-5256'	4 JSPF	32 holes
04/12/07	5060-5072'	4 JSPF	48 holes
04/12/07	4772-4780'	4 JSPF	32 holes
04/12/07	4749-4759'	4 JSPF	40 holes
04/13/07	4496-4502'	4 JSPF	24 holes
04/13/07	4200-4207'	4 JSPF	28 holes

**NEWFIELD**

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**FEDERAL 8-9-9-16**

1773' FNL & 666' FEL

SE/NE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32918; Lease # UTU-65207

## FEDERAL 6-9-9-16

Spud Date: 02/19/07  
 Put on Production: 03/28/07  
 GL: 5782' KB: 5794'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.37')  
 DEPTH LANDED: 323.87' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6098.92')  
 DEPTH LANDED: 6112.17' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

#### TUBING

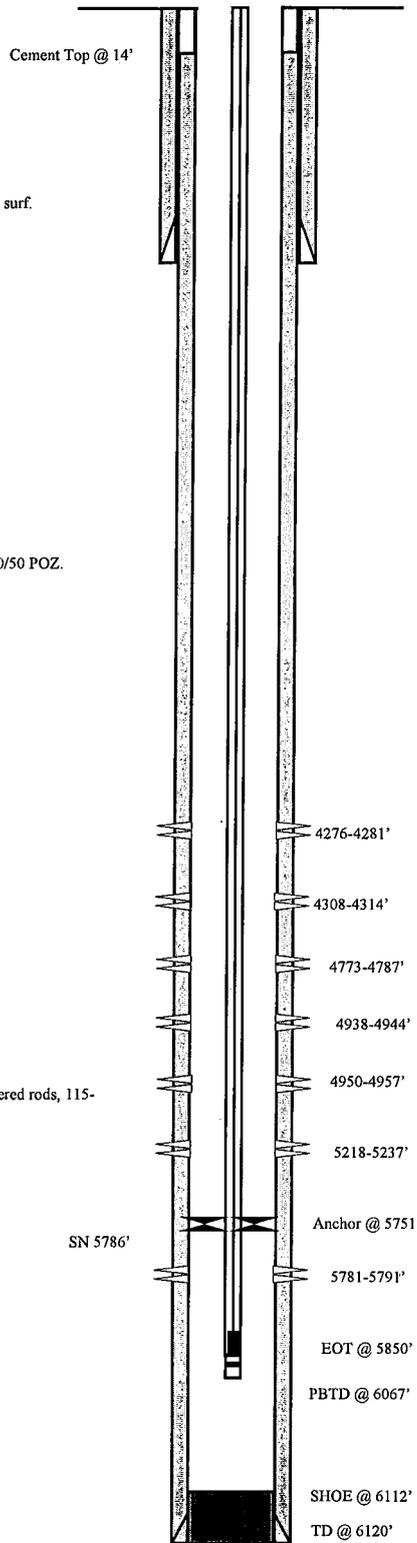
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 182 jts (5739.27')  
 TUBING ANCHOR: 5751.27' KB  
 NO. OF JOINTS: 1 jts (31.52')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5785.59' KB  
 NO. OF JOINTS: 2 jts (63.19')  
 TOTAL STRING LENGTH: EOT @ 5850.33' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods  
 SUCKER RODS: 1-2' & 1-8' x 3/4" pony rods, 99-3/4" scraped rods, 115-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM:

#### FRAC JOB

03/21/07	6221-6229'	<b>Frac CP3 sands as follows:</b> 14389# 20/40 sand in 290 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 25 BPM. ISIP 1775 psi. Calc flush: 6219 gal. Actual flush: 5250 gal.
03/21/07	5218-5237'	<b>Frac A1 sands as follows:</b> 80163# 20/40 sand in 599 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc flush: 5216 gal. Actual flush: 4704 gal.
03/22/07	4938-4957'	<b>Frac C sands as follows:</b> 44913# 20/40 sand in 407 bbls Lightning 17 frac fluid. Treated @ avg press of 1737 psi w/avg rate of 25 BPM. ISIP 1940 psi. Calc flush: 4936 gal. Actual flush: 4410 gal.
03/22/07	4773-4787'	<b>Frac D1 sands as follows:</b> 85267# 20/40 sand in 613 bbls Lightning 17 frac fluid. Treated @ avg press of 1663 psi w/avg rate of 25.1 BPM. ISIP 2055 psi. Calc flush: 4771 gal. Actual flush: 2055 gal
03/22/07	4314-4276'	<b>Frac GB6 &amp; GB4 sands as follows:</b> 23837# 20/40 sand in 276 bbls Lightning 17 frac fluid. Treated @ avg press of 2018 psi w/avg rate of 25 BPM. ISIP 2304 psi. Calc flush: 4312 gal. Actual flush: 4200 gal



#### PERFORATION RECORD

03/19/07	5781-5791'	4 JSPF	40 holes
03/21/07	5218-5237'	4 JSPF	76 holes
03/21/07	4950-4957'	4 JSPF	28 holes
03/21/07	4938-4944'	4 JSPF	24 holes
03/22/07	4773-4787'	4 JSPF	56 holes
03/24/07	4308-4314'	4 JSPF	24 holes
03/22/07	4276-4281'	4 JSPF	20 holes

**NEWFIELD**

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**FEDERAL 6-9-9-16**

1969' FNL & 1994' FWL

SE/NW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32957; Lease # UTU-79833

## FEDERAL W-4-9-16

Spud Date:-3-4-10  
 Put on Production: 4-7-10  
 GL:5116' KB:5128'

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (309.57')  
 DEPTH LANDED: 322.42'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145jts. (62.750')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6292.55'  
 CEMENT DATA: 276sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 40'

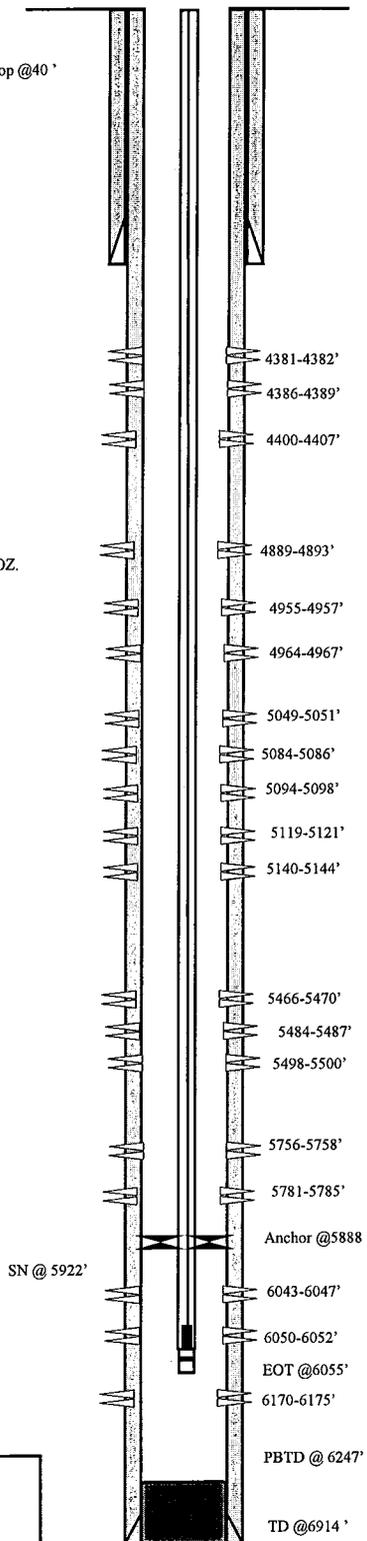
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 187 jts (5876.1')  
 TUBING ANCHOR: 5888.1'  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5922.3' KB  
 NO. OF JOINTS: 1 jts (31.5')  
 TOTAL STRING LENGTH: EOT @ 6055'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 2' x 7/8" pony rods, 1-4' x 7/8" pony rods,  
 232- 7/8" 8per guided rods, 4- 1 1/2" weight bars.  
 PUMP SIZE: 2 1/2 x 1 3/4 x 20' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 4

Cement Top @ 40'



Depth Range	Job ID	Fracturing Details
4-6-10	6043-6175'	Frac CP5 & BS1 sands as follows: Frac with 24346# 20/40 sand in 219bbbs Lightning 17.
4-6-10	6546-6674'	Frac CP5 & CP1 sands as follows: Frac with 14092# 20/40 sand in 130 bbls Lightning 17 fluid
4-6-10	5466-5500'	Frac LOCD sands as follows: Frac with 60790# 20/40 sand in 382 bbls Lightning 17 fluid
4-6-10	5049-5121'	Frac C, B.5 & B1 sands as follows: Frac with 99748# 20/40 sand in 619bbbs Lightning 17.
4-6-10	4889-4967'	Frac D1&D2 sands as follows: Frac with 50255# 20/40 sand in 320bbbs Lightning 17 fluid
4-6-10	43814407'	Frac GB6sands as follows: Frac with 31761# 20/40 sand in 223bbbs Lightning 17 fluid

PERFORATION RECORD

Depth Range	Perforation Type	Number of Holes
6170-6175'	3 JSPF	15holes
6050-6052'	3 JSPF	6 holes
6043-6047'	3 JSPF	12 holes
5781-5785'	3 JSPF	12 holes
5756-5758'	3 JSPF	6 holes
5498-5500'	3 JSPF	6 holes
5484-5487'	3 JSPF	9 holes
5466-5470'	3 JSPF	12 holes
5140-5144'	3 JSPF	12 holes
5119-5121'	3 JSPF	6 holes
5094-5098'	3 JSPF	12holes
5084-5086'	3 JSPF	6 holes
5049-5051'	3 JSPF	6 holes
4964-4967'	3 JSPF	9 holes
4955-4957'	3 JSPF	6holes
4889-4893'	3 JSPF	12 holes
4400-4407'	3 JSPF	21 holes
4386-4389'	3 JSPF	9holes
4381-4382'	3 JSPF	3holes

**NEWFIELD**

**Federal W-4-9-16**  
 SL: 733'FSL & 1904' FEL (SW/SE)  
 Section 4, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-34097;Lease

## SO WELLS DRAW FED 2-9-9-16

Spud Date: 01/23/2007  
 Put on Production: 04/04/07  
 GL: 5788' KB: 5800'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (311 69')  
 DEPTH LANDED 323.54' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt. est 9 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 139 jts (6146')  
 DEPTH LANDED 6159 25' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP 198'

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 167 jts (5296.08')  
 TUBING ANCHOR 5308.08' KB  
 NO OF JOINTS 1 jts (31 68')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5342.56' KB  
 NO OF JOINTS 2 jts (63 69')  
 TOTAL STRING LENGTH EOT @ 5407 80' KB

**SUCKER RODS**

POLISHED ROD 1-1/2" x 22' SM  
 SUCKER RODS 1-2' 1-6', & 1-8' x 3/4" ponies, 99-3/4" scraped rods, 97-3/4" plain rods 10- scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE CDI 2-1/2" x 1-1/2" x 15" RHAC  
 STROKE LENGTH 86"  
 PUMP SPEED, 4.5 SPM

**FRAC JOB**

03/28/07 5300-5268' Frac A3 & A1 sands as follows:  
 145339# 20/40 sand in 995 bbls Lightning 17 frac fluid. Treated @ avg press of 1734 psi w/avg rate of 25 BPM ISIP 2166 psi. Calc flush 5298 gal Actual flush 4788 gal

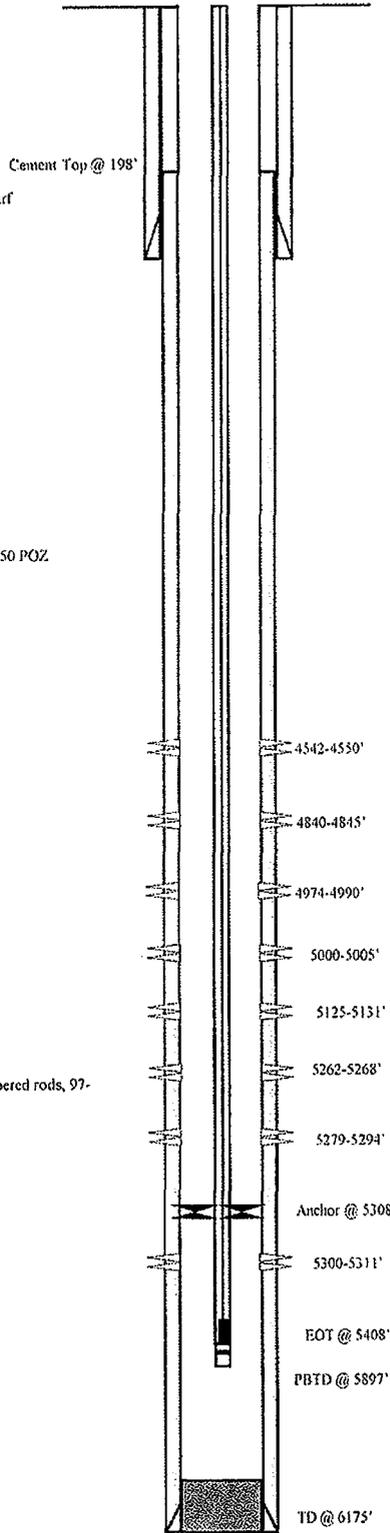
03/29/07 5125-5131' Frac B2 sands as follows:  
 30012# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2040 psi w/avg rate of 25 BPM ISIP 1717 psi. Calc flush 5123 gal Actual flush 4662 gal

02/29/07 5000-4990' Frac C sands as follows:  
 90319# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 1715 psi w/avg rate of 25.1 BPM ISIP 2060 psi. Calc flush 4998 gal Actual flush 4494 gal

03/29/07 4840-4845' Frac D1 sands as follows:  
 24650# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2370 psi w/avg rate of 24.9 BPM ISIP 2321 psi. Calc flush 4838 gal Actual flush 4334 gal

03/29/07 4542-4550' Frac PB10 sands as follows:  
 36645# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 2057 psi w/avg rate of 24.9 BPM ISIP 2290 psi. Calc flush 4540 gal. Actual flush 4452 gal

10/28/09 Pump Change Updated rod & tubing details.



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
03/22/07	5300-5311'	4 JSPP	44 holes
03/22/07	5279-5294'	4 JSPP	60 holes
03/22/07	5262-5268'	4 JSPP	24 holes
03/28/07	5125-5131'	4 JSPP	24 holes
03/29/07	5000-5005'	4 JSPP	20 holes
03/29/07	4974-4990'	4 JSPP	64 holes
03/29/07	4840-4845'	4 JSPP	20 holes
03-29-07	4542-4550'	4 JSPP	32 holes

**So Wells Draw Fed. 2-9-9-16**

978' FNL & 1965' FEL

NW/NE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32956; Lease # UTU-65207

## South Wells Draw Federal 1-9-9-16

Spud Date: 2-23-07  
Put on Production: 4-12-07

GL: 5700' KB: 5712'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311.57')  
DEPTH LANDED: 323.42' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

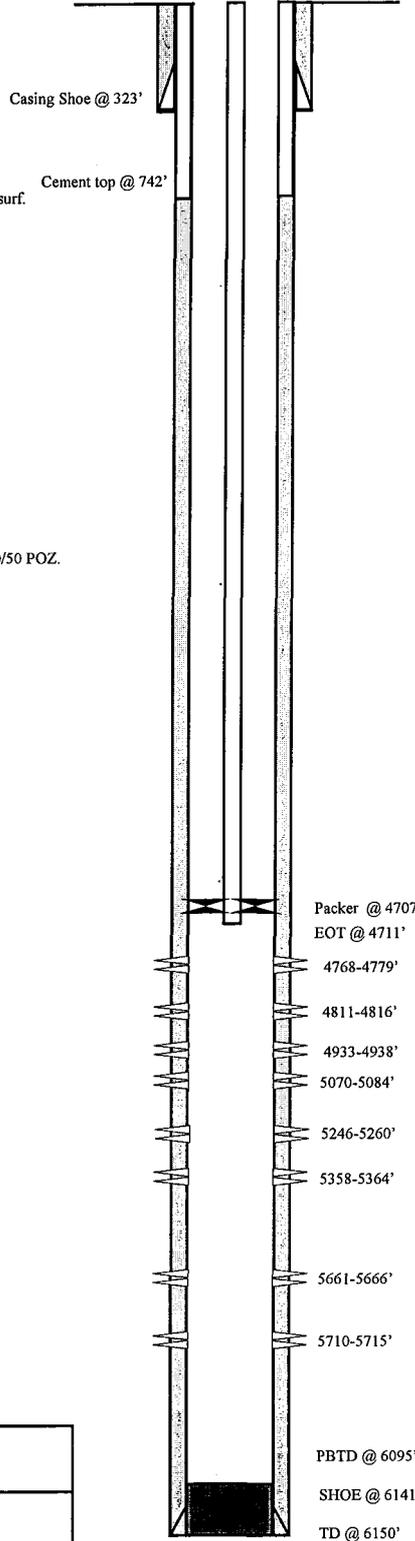
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (6127.43')  
DEPTH LANDED: 6140.68' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 742'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 143 jts (4690.7')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4702.7' KB  
CE @ 4707.08'  
TOTAL STRING LENGTH: EOT @ 4711' w/ 12' KB

### Injection Wellbore Diagram



### FRAC JOB

04-04-07	5661-5715'	<b>Frac CP2, CP1 sands as follows:</b> 19982# 20/40 sand in 306 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 25.1 BPM. ISIP 1763 psi. Calc flush: 5659 gal. Actual flush: 5166 gal.
04-04-07	5358-5364'	<b>Frac LODC sands as follows:</b> 40041# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 2962 psi w/avg rate of 25.1 BPM. ISIP 3458 psi. Calc flush: 5356 gal. Actual flush: 4914 gal.
04-04-07	5246-5260'	<b>Frac A3 sands as follows:</b> 84929# 20/40 sand in 638 bbls Lightning 17 frac fluid. Treated @ avg press of 1883 psi w/avg rate of 25.1 BPM. ISIP 2261 psi. Calc flush: 5244 gal. Actual flush: 4788 gal.
04-04-07	5070-5084'	<b>Frac B2 sands as follows:</b> 85291# 20/40 sand in 631 bbls Lightning 17 frac fluid. Treated @ avg press of 1999 w/ avg rate of 25.1 BPM. ISIP 2100 psi. Calc flush: 5068 gal. Actual flush: 4620 gal.
04-04-07	4933-4938'	<b>Frac C sands as follows:</b> 15154# 20/40 sand in 254 bbls Lightning 17 frac fluid. Treated @ avg press of 2940 w/ avg rate of 25.8 BPM. ISIP 3027 psi. Calc flush: 4931 gal. Actual flush: 2354 gal.
04-04-07	4768-4816'	<b>Frac D2, &amp; D1 sands as follows:</b> 89209# 20/40 sand in 653 bbls Lightning 17 frac fluid. Treated @ avg press of 1980 w/ avg rate of 24.6 BPM. ISIP 2207 psi. Calc flush: 4766 gal. Actual flush: 4662 gal.
5/7/09		<b>Tubing Leak.</b> Updated r & t details.
9/15/09		<b>Pump Change.</b> Updated rod & tubing details.
10/04/10		<b>Convert to Injection well</b>
10/07/10		<b>MIT Completed</b> - tbg detail updated

### PERFORATION RECORD

03-30-07	5710-5715'	4 JSPF	20 holes
03-30-07	5661-5666'	4 JSPF	20 holes
04-04-07	5358-5364'	4 JSPF	24 holes
04-04-07	5246-5260'	4 JSPF	56 holes
04-04-07	5070-5084'	4 JSPF	56 holes
04-04-07	4933-4938'	4 JSPF	20 holes
04-04-07	4811-4816'	4 JSPF	20 holes
04-04-07	4768-4779'	4 JSPF	44 holes

**NEWFIELD**

**South Wells Draw Federal 1-9-9-16**

654' FNL & 659' FEL

NE/NE Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-32915; Lease # UTU-65207

## S Wells Draw Federal 7-9-9-16

Spud Date: 5-03-2007  
 Put on Production: 6-19-2007  
 GL: 5795' KB: 5807'

Initial Production: BOPD,  
 MCFD, BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

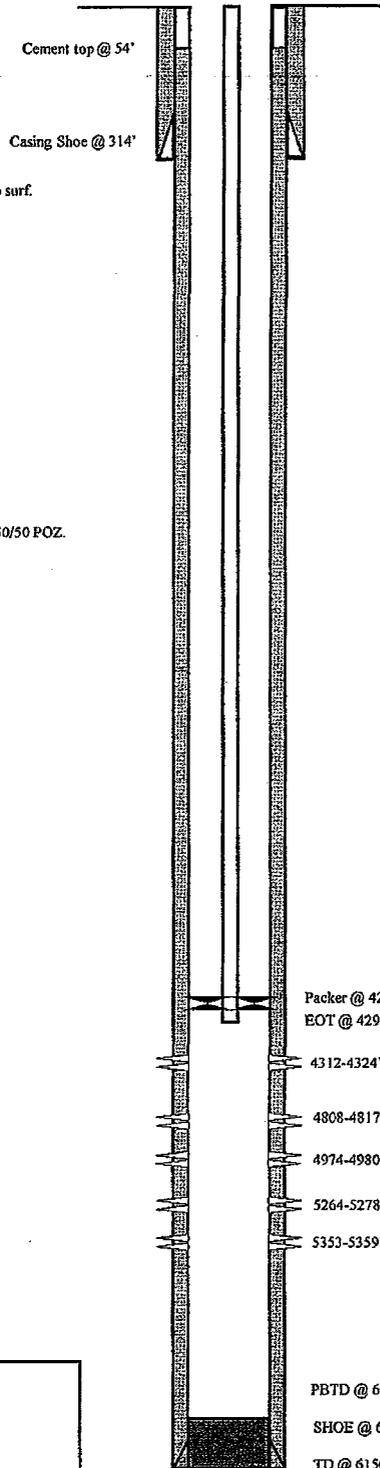
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.36')  
 DEPTH LANDED: 314.21' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (6115.32')  
 DEPTH LANDED: 6128.57' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 54'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 139 jts (4270.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4282.2' KB  
 CE @ 4286.52'  
 TOTAL STRING LENGTH: EOT @ 4291' KB



**FRAC JOB**

06-13-07	5353-5359'	Frac LODC sands as follows: 14566# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3118 psi w/avg rate of 24.8 BPM. ISIP 2413 psi. Calc flush: 5351 gal. Actual flush: 4889 gal.
06-13-07	5264-5278'	Frac A3 sands as follows: 84918# 20/40 sand in 633 bbls Lightning 17 frac fluid. Treated @ avg press of 1760 psi w/avg rate of 24.8 BPM. ISIP 2120 psi. Calc flush: 5262 gal. Actual flush: 4746 gal.
06-13-07	4808-4817'	Frac D1 sands as follows: 74920# 20/40 sand in 573 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 24.8 BPM. ISIP 2140 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
06-13-07	4312-4324'	Frac GB4 sands as follows: 48210# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 1692 psi w/avg rate of 24.8 BPM. ISIP 1918 psi. Calc flush: 4310 gal. Actual flush: 4246 gal.
01-18-11	4974-4980'	Frac C sands as follows: 8765# 20/40 sand in 56 bbls Lightning 17 frac fluid.
01-19-11		Convert to Injection well
01-31-11		Conversion MIT -- update tbg detail

**PERFORATION RECORD**

06-07-07	5353-5359'	4 JSPP	24 holes
06-13-07	5264-5278'	4 JSPP	56 holes
06-13-07	4808-4817'	4 JSPP	36 holes
06-13-07	5464-5470'	4 JSPP	48 holes
01-18-11	4974-4980'	3 JSPP	18 holes



**S Wells Draw Federal 7-9-9-16**  
 1919' FNL & 2177' FEL  
 SW/NE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-32917; Lease # UTU-65207

## South Wells Draw 6-10-9-16

Spud Date: 6/5/98  
 Put on Production: 7/13/98  
 GL: 5666.9' KB: 5678.9' (12'KB)

Initial Production: 80 BOPD,  
 116 MCFD, 3 BWPD

### SURFACE CASING

SIZE: 8 5/8" / J-55 / 24 #  
 LENGTH: 7 jts @ 297.86'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 308'KB  
 CEMENT DATA: 120 sx Class G, est 4 bbls cmt to surface

### PRODUCTION CASING

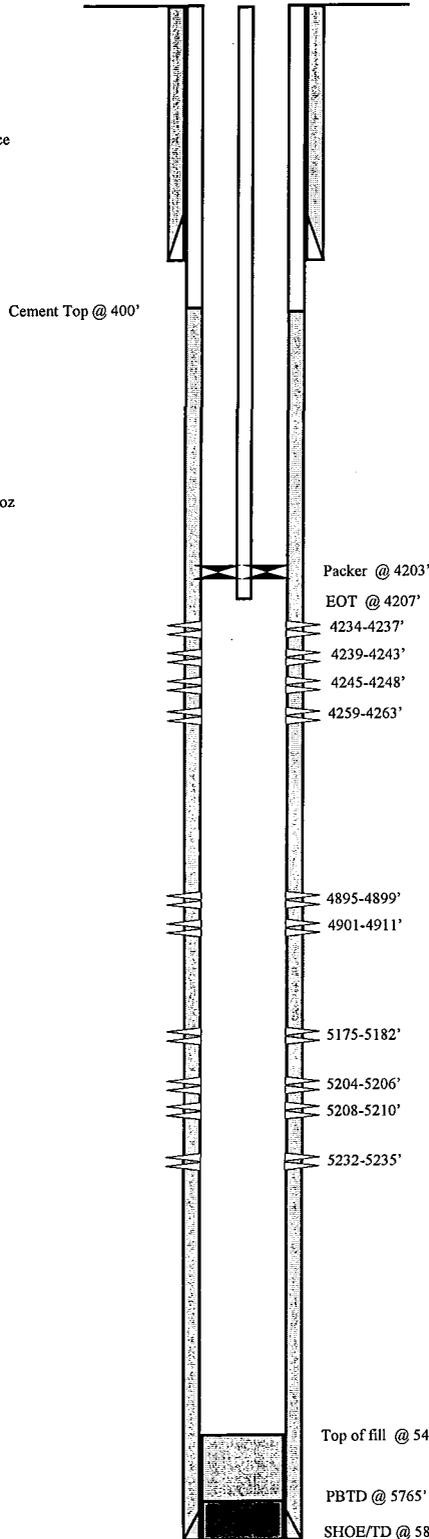
SIZE: 5 1/2" / J-55 / 15.5 #  
 LENGTH: 135 jts @ 581.6'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5828'KB  
 CEMENT DATA: 340 sx Premium Lite & 410 sx 50/50 Poz  
 CEMENT TOP AT: 400'

### TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 135 jts (4186.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4198.8' KB  
 CE @ 4203.17'  
 TOTAL STRING LENGTH: EOT @ 4207'

### Injection

### Wellbore Diagram



### FRAC JOB

7-03-98	5175'-5335'	<b>Frac A sand as follows:</b> 115,110# 20/40 sand in 560 bbls Viking. Perfs broke @ 2150 psi. Treated w/avg press of 1975 psi w/avg rate of 30 BPM. ISIP-2725 psi, 5 min 2375 psi. Flowback on 12/64" ck for 4 hrs & died.
7-08-98	4895'-4911'	<b>Frac C sand as follows:</b> 107,835# 20/40 sand in 546 bbls Viking. Perfs broke @ 1850psi. Treated w/avg press of 1870 psi w/avg rate of 28.6 BPM. ISIP-3250 psi, 5 min 2762 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.
7-10-98	4234'-4263'	<b>Frac GB sand as follows:</b> 105,040# 20/40 sand in 510 bbls Viking. Perfs broke @ 2900 psi. Treated w/avg press of 1750 psi w/avg rate of 26 BPM. ISIP-2160 psi, 5 min 1799 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.
1-23-02		<b>Tubing leak. Update rod and tbg details.</b>
8-5-04		<b>Tubing leak. Update rod and tbg details.</b>
03-02-10		<b>Convert to Injection well</b>
03-03-10		<b>MIT completed - updated tbg detail</b>

### PERFORATION RECORD

7-02-98	5175-5182'	4 JSPF	28 holes
7-02-98	5204-5206'	4 JSPF	8 holes
7-02-98	5208-5210'	4 JSPF	8 holes
7-02-98	5332-5335'	4 JSPF	12 holes
7-07-98	4895-4899'	4 JSPF	16 holes
7-07-98	4901-4911'	4 JSPF	40 holes
7-09-98	4234-4237'	4 JSPF	12 holes
7-09-98	4239-4243'	4 JSPF	16 holes
7-09-98	4245-4248'	4 JSPF	12 holes
7-09-98	4259-4263'	4 JSPF	16 holes

**NEWFIELD**



South Wells Draw 6-10-9-16  
 1980' FNL & 1980' FWL (SE/NW)  
 Section 10, T9S, R16E  
 Duchesne Co, Utah  
 API #43-013-32041; Lease #UTU-72107

## S. Wells Draw #N-10-9-16

Spud Date: 8/03/08  
 Put on Production: 9/09/08  
 GL: 5712' KB: 5724'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.99')  
 DEPTH LANDED: 324.84'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160sx of Class "G" cement

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts. (6496.62')  
 DEPTH LANDED: 6254.87'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300sx of Prelite & 400 sx of 50/50 poz  
 CEMENT TOP AT: 200'

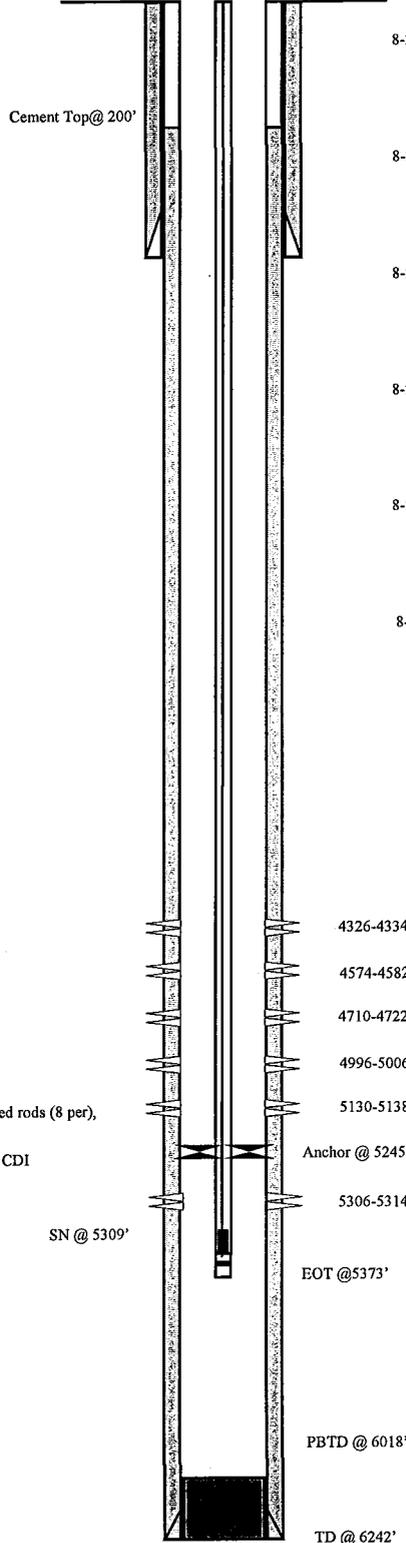
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5232.78')  
 TUBING ANCHOR: 5244.78'  
 NO. OF JOINTS: 2 jts (61.69')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5309.27'  
 NO OF JOINTS: 2 jts (61.70')  
 TOTAL STRING LENGTH: EOT @ 5372.57'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' polished rod.  
 SUCKER RODS: 1-2', 6', 8' x 7/8" pony subs, 207-7/8" guided rods (8 per), 4-1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" x 19.5 RHAC rod pump- CDI  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5

**Wellbore Diagram**



**FRAC JOB**

8-29-08	5306-5314'	<b>Frac A1 sds as follows:</b> Frac w/40,245#s of 20/40 sand in 430 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2781 psi w/ ave rate of 22.9 BPM. ISIP 4100 psi. Actual flush: 4885 gals.
8-29-08	5130-5138'	<b>Frac B2 sds as follows:</b> Frac w/24,627#s of 20/40 sand in 360 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2215 psi w/ ave rate of 23.1 BPM. ISIP 2003 psi. Actual flush: 4624 gals.
8-29-08	4996-5006'	<b>Frac C sds as follows:</b> Frac w/45,080#s of 20/40 sand in 438 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2077 psi w/ ave rate of 22.8 BPM. ISIP 2192 psi. Actual flush: 4507 gals.
8-29-08	4710-4722'	<b>Frac DS1 sds as follows:</b> Frac w/30,050#s of 20/40 sand in 385 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2236 psi w/ ave rate of 23.0 BPM. ISIP 2291 psi. Actual flush: 4200 gals.
8-29-08	4574-4582'	<b>Frac PB11 sds as follows:</b> Frac w/25,866#s of 20/40 sand in 350 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2153 psi w/ ave rate of 23.0 BPM. ISIP 2211 psi. Actual flush: 4066 gals.
8-29-08	4326-4334'	<b>Frac CB6 sds as follows:</b> Frac w/31,865#s of 20/40 sand in 353 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1971 psi w/ ave rate of 22.9 BPM. ISIP 1951 psi. Actual flush: 4242 gals.

**PERFORATION RECORD**

8-29-08	4326-4334'	4 JSPF	32 holes
8-29-08	4574-4582'	4 JSPF	32 holes
8-29-08	4710-4722'	4 JSPF	48 holes
8-29-08	4996-5006'	4 JSPF	40 holes
8-29-08	5130-5138'	4 JSPF	32 holes
8-29-08	5306-5314'	4 JSPF	32 holes



**S. Wells Draw #N-10-9-16**  
 2151' FSL & 623' FWL  
 NWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33779; Lease #UTU-72107

## S. Wells Draw #5-10-9-16

Initial Production: 74 BOPD,  
79 MCFD, 3 BWPD

Spud Date: 4-28-98  
Put on Production:  
Put on Injection:  
GL: 5707.6 KB:5717.6'

### SURFACE CASING

SIZE: 8 5/8" / J-55 / 24 #  
LENGTH: 7 jts @ 293'  
HOLE SIZE: 12 1/4"  
DEPTH LANDED: 293'  
CEMENT DATA: 120 sx Premium, est 8 bbbs cmt to surface

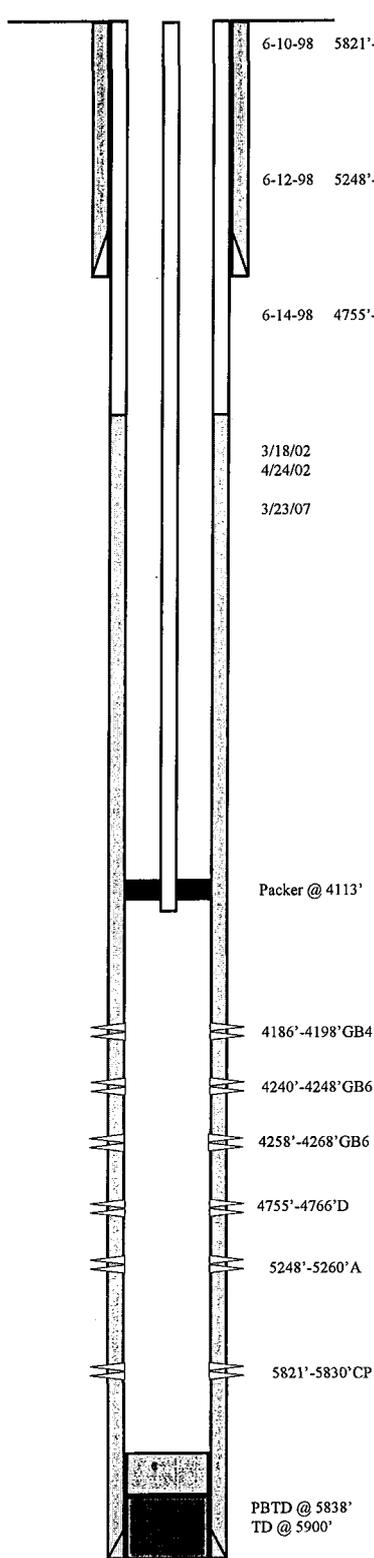
### PRODUCTION CASING

SIZE: 5 1/2" / J-55 / 15.5 #  
LENGTH: 137 jts @ 5877'  
HOLE SIZE: 7 7/8"  
DEPTH LANDED: 5888'  
CEMENT DATA: 350 sx Class C & 370 sx Class G  
CEMENT TOP AT:

### TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 133 jts (4097.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4109.45' KB  
PACKER: 4113.72'  
TOTAL STRING LENGTH: EOT @ 4117.88' KB

### Injection Wellbore Diagram



### FRAC JOB

6-10-98 5821'-5830' Frac CP sand as follows:  
111,300# 20/40 sand in 611 bbbs Viking.  
Perfs broke @ 4050 psi. Treated w/avg  
press of 2235 psi w/avg rate of 28.3 BPM.  
ISIP-2200 psi, 5 min 1650 psi. Flowback  
on 12/64" ck for 3 hrs & died.

6-12-98 5248'-5260' Frac A sand as follows:  
95,420# 20/40 sand in 530 bbbs Viking.  
Perfs broke @ 3220psi. Treated w/avg  
press of 1850 psi w/avg rate of 28.2 BPM.  
ISIP-1890 psi, 5 min 1775 psi. Flowback  
on 12/64" ck for 4 hrs & died.

6-14-98 4755'-4766' Frac D sand as follows:  
114,163# 20/40 sand in 521 bbbs Viking.  
Perfs broke @ 3070 psi. Treated w/avg  
press of 2350 psi w/avg rate of 26.4 BPM.  
ISIP-3870 psi, 5 min 2365 psi. Flowback  
on 12/64" ck for 3 hrs & died. Screened out.

3/18/02 Break GB-4 & GB-6 zones. Wait on MIT.  
4/24/02 Perform MIT. Wait on approval to inject.

3/23/07 5 Year MIT completed and Submitted.

### PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
6/09/98	5821'-5830'	4 JSPF	36 holes
6/11/98	5248'-5260'	4 JSPF	48 holes
6/12/98	4755'-4766'	4 JSPF	44 holes
3/18/02	4258'-4268'	4 JSPF	40 holes
3/18/02	4240'-4248'	4 JSPF	32 holes
3/18/02	4186'-4198'	4 JSPF	48 holes

**NEWFIELD**

South Wells Draw #5-10-9-16

1980 FNL & 660 FWL

SW NW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-31811; Lease #U-72107

## South Wells Draw 12-10-9-16

Spud Date: 4/23/98  
 Put on Production: 6/5/98  
 GL: 5712' KB: 5724'

Initial Production: 133 BOPD,  
 287 MCFPD, 8 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (287')  
 DEPTH LANDED: 288'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 14 bbls cmt to surf.

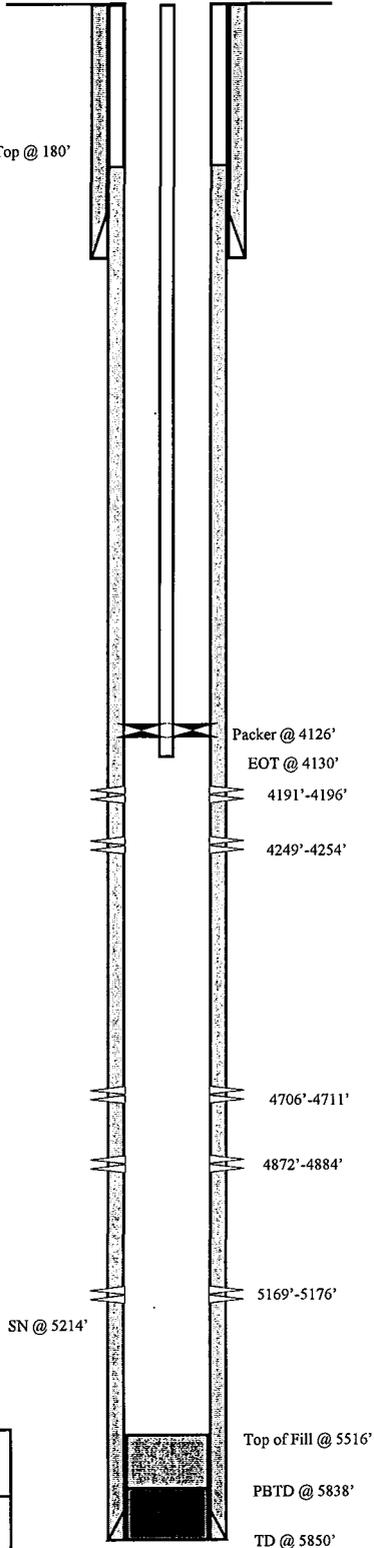
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5832')  
 DEPTH LANDED: 5843'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sk Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT: 180'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 132 jts. (4109.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4121.4'  
 CE @ 4125.73'  
 TOTAL STRING LENGTH: EOT @ 4130' KB

### Injection Wellbore Diagram



### FRAC JOB

5/26/98	5169'-5176'	<b>Frac A-3 sand as follows:</b> 104,640# 20/40 sand in 531 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 26 bpm. ISIP: 3100 psi.
5/28/98	4872'-4884'	<b>Frac C sand as follows:</b> 114,680# of 20/40 sand in 554 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP-2900 psi.
5/30/98	4706'-4711'	<b>Frac D-1 sand as follows:</b> 95,560# 20/40 sand in 503 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 24 bpm. ISIP: 2450 psi.
6/2/98	4191'-4254'	<b>Frac GB-4 &amp; GB-6 sands as follows:</b> 111,500# of 20/40 sand in 506 bbls Viking I-25 fluid. Treated @ avg press of 2063 psi w/avg rate of 28 bpm. ISIP-2250 psi.
09/11/03		<b>Pump Change:</b> Update Tbg & rod detail.
9/25/08		<b>Pump Change:</b> Updated r & t detail.
2/26/10		<b>Convert well to Injection</b>
3/3/10		<b>MIT completed - updated tbg detail</b>

### PERFORATION RECORD

5/22/98	5169'-5176'	4 JSPF	28 holes
5/27/98	4872'-4884'	4 JSPF	48 holes
5/29/98	4706'-4711'	4 JSPF	20 holes
6/1/98	4191'-4196'	4 JSPF	20 holes
6/1/98	4249'-4254'	4 JSPF	20 holes

**NEWFIELD**

South Wells Draw #12-10-9-16  
 2130' FSL & 629' FWL  
 NW/SW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32046; Lease #UTU-72107

Spud Date: 5/20/98  
 Put on Production: 7/15/98  
 GL: 5736' KB: 5748'

## South Wells Draw #9-9-9-16

Initial Production: 80 BOPD,  
 60 MCFPD, 20 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310')  
 DEPTH LANDED: 311'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbbs cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5830.81')  
 DEPTH LANDED: 5842.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx 28:72 POZ type III & 360 sk Class G  
 CEMENT TOP AT: 2907' CBL

#### TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
 NO. OF JOINTS: 132 jts.  
 SEAT NIPPLE: 4104'  
 PACKER: 4107'  
 TOTAL STRING LENGTH: EOT @ 4111'

#### FRAC JOB

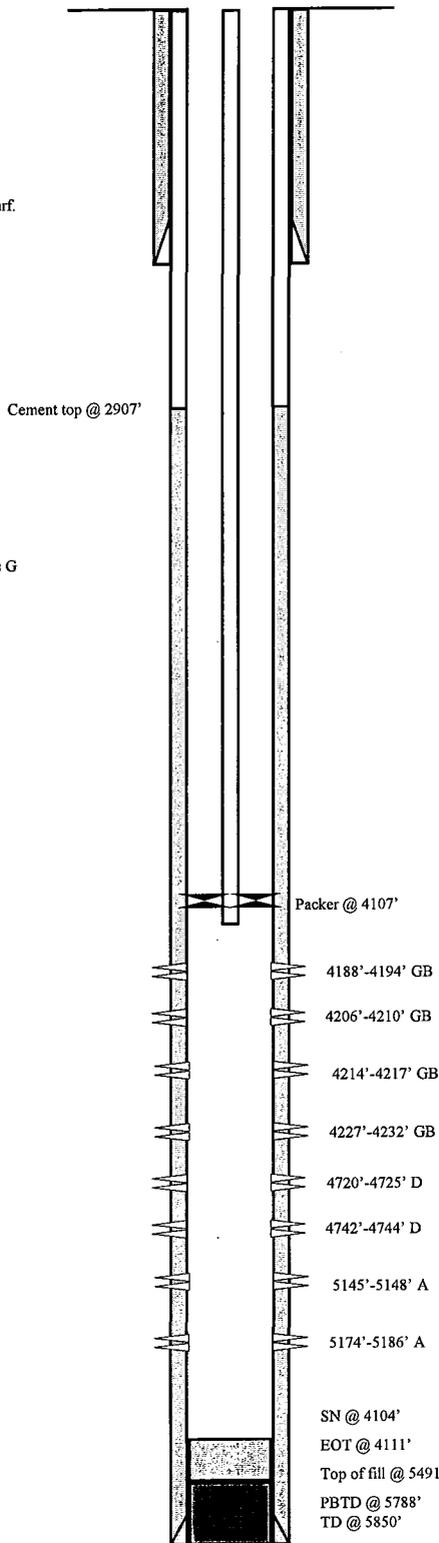
7/2/98 5145'-5186' **Frac A-3 sand as follows:**  
 101,290# 20/40 sand in 455 bbbs Viking I-25 fluid. Perfs brokedown @ 2902 psi. Treated @ avg press of 3000 psi w/avg rate of 30 bpm. Due to rapidly increasing pressure, sand was cut @ blender @ 9.6#. Flushed 63 bbbs before perfs locked up w/9.5 sand @ perfs. ISIP: 3600 psi, 5-min 2877 psi. Flowback on 12/64" choke for 2.5 hours and died.

7/7/98 5026'-5034' **Frac B-2 sand as follows:**  
 96,120# of 20/40 sand in 516 bbbs Viking I-25 fluid. Perfs brokedown @ 3770 psi. Treated @ avg press of 1950 psi w/avg rate of 30 bpm. ISIP-2050 psi, 5-min 1915 psi. Flowback on 12/64" choke for 3.5 hours and died.

7/9/98 4720'-4744' **Frac D-1 sand as follows:**  
 88,475# 20/40 sand in 497 bbbs Viking I-25 fluid. Perfs brokedown @ 3212 psi. Treated @ avg press of 2000 psi w/avg rate of 26 bpm. ISIP: 2340 psi, 5-min 2000 psi. Flowback on 12/64" choke for 4.5 hours and died.

7/11/98 4188'-4232' **Frac GB-4 sands as follows:**  
 93,342# of 20/40 sand in 587 bbbs Viking I-25 fluid. Perfs brokedown @ 3100 psi. Treated @ avg press of 1600 psi w/avg rate of 26.4 bpm. ISIP-2116 psi, 5-min 1857 psi. Flowback on 12/64" choke for 2 hours and died.

11/14/01 Convert to injector.



#### PERFORATION RECORD

Date	Depth Range	Type	Holes
7/1/98	5145'-5148'	4 JSPF	12 holes
7/1/98	5174'-5186'	4 JSPF	48 holes
7/7/98	5026'-5034'	4 JSPF	32 holes
7/8/98	4720'-4725'	4 JSPF	20 holes
7/8/98	4742'-4744'	4 JSPF	8 holes
7/10/98	4188'-4194'	4 JSPF	24 holes
7/10/98	4206'-4210'	4 JSPF	16 holes
7/10/98	4214'-4217'	4 JSPF	12 holes
7/10/98	4227'-4232'	4 JSPF	20 holes



South Wells Draw #9-9-9-16  
 2081' FSL & 720' FEL  
 NESE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32043; Lease #U-40894

## South Wells Draw #15-4-9-16

Spud Date: 1/25/2000  
 Put on Injection: 7/30/02  
 GL: 5725' KB: 5735'

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (319.75')  
 DEPTH LANDED: 317.35'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt.

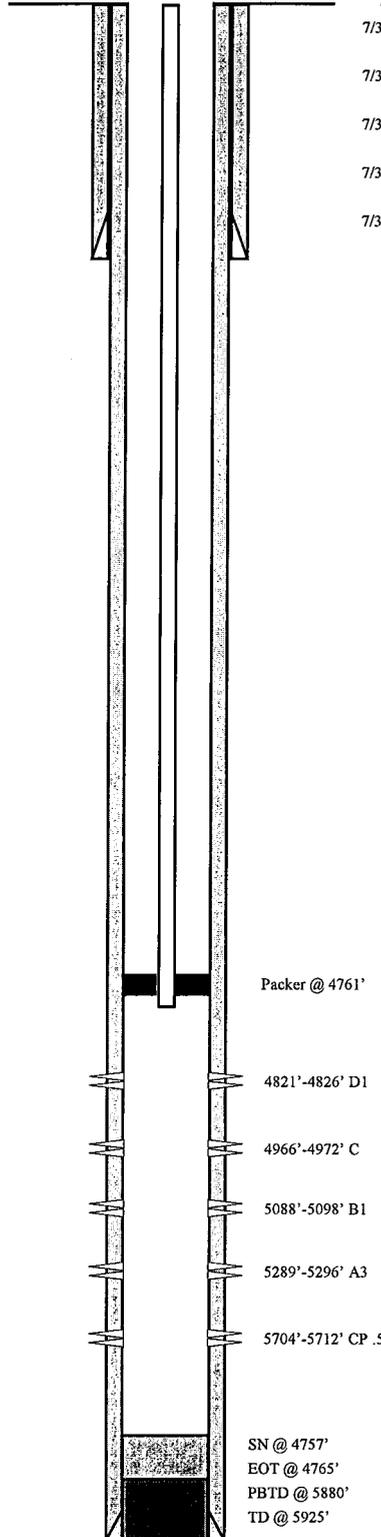
### PRODUCTION CASING

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 11.6#  
 LENGTH: 132 jts. (5921.85')  
 DEPTH LANDED: 5919.45'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 NO. OF JOINTS: 148 jts (4747.79')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4757.79' KB  
 PACKER: 1 jts (4761.84')  
 TOTAL STRING LENGTH: EOT @ 4765.49' KB

Injection Wellbore  
 Diagram



### ACID JOBS

7/30/02	5704'-5712'	Acidize CP 0.5 sand as follows: Used 110 gal 15% HCl w/ 4200 psi @ .8 BPM.
7/30/02	5289'-5296'	Acidize A 3 sand as follows: Used 110 gal 15% HCl w/ 1500 psi @ 1.1 BPM.
7/30/02	5088'-5098'	Acidize B 1 sand as follows: Used 110 gal 15% HCl w/ 2500 psi @ 1.1 BPM.
7/30/02	4966'-4972'	Acidize C sand as follows: Used 110 gal 15% HCl w/ 3000 psi @ .9 BPM.
7/30/02	4821'-4826'	Acidize D 1 sand as follows: Used 110 gal 15% HCl w/ 2300 psi @ .9 BPM.

### PERFORATION RECORD

7/29/02	5704'-5712'	4 JSPF	32 holes
7/29/02	5289'-5296'	4 JSPF	28 holes
7/29/02	5088'-5098'	4 JSPF	40 holes
7/29/02	4966'-4972'	4 JSPF	24 holes
7/29/02	4821'-4826'	4 JSPF	20 holes

**NEWFIELD**

South Wells Draw #15-4-9-16  
 709 FSL & 1877 FEL  
 SWSE Section 4-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32108; Lease #UTU-77338

## South Wells Draw 16-4-9-16

Spud Date: 10/19/99  
 Put on Production: 11/12/99  
 GL: 5733' KB: 5743'

Initial Production: 73 BOPD,  
 102 MCFD, 2 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

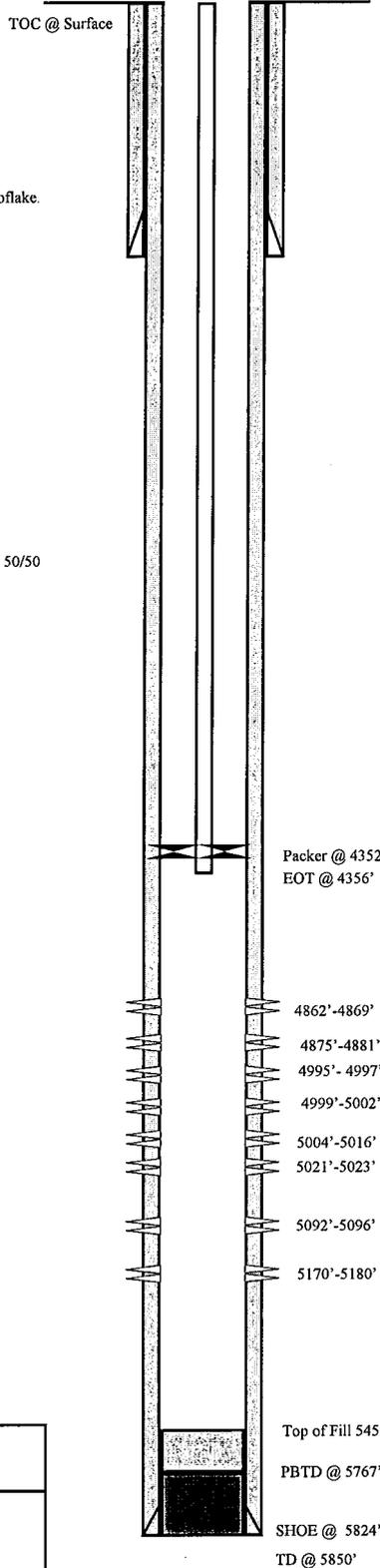
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (316.24')  
 DEPTH LANDED: 326.24'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sx Class "G" w/2% CC and 1/4#/sk Celloflake.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55 and N-80  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (5825.97')  
 DEPTH LANDED: 5823.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 270 sx Premium Lite II Modified; and 350 sx 50/50 Poz w/3% KCl, 1/4#/sk cello-flake, 2% gel, .3% SM.  
 CEMENT TOP: Surface

#### TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 140 jts (4337.3')  
 SEATING NIPPLE: 1.10'  
 SN LANDED AT: 4347.3' KB  
 CE @ 4351.63'  
 TOTAL STRING LENGTH: EOT @ 4356' W/ 10' KB



#### FRAC JOB

11-05-99 5170'-5180' **Frac B-2 sand as follows:**  
 49,263# 20/40 sand in 278 bbls Viking I-25 fluid. Breakdown @ 2443 psi. Treated w/avg press of 2100 psi w/avg rate of 28 BPM. ISIP-4100 psi, 5 min 4000 psi. Bled well off - flowed back est. 5 BTF.

11-05-99 4995'-5023' **Frac C sand as follows:**  
 103,822# 20/40 sand in 488 bbls Viking I-25 fluid. Breakdown @ 2249 psi. Treated w/avg press of 2500 psi w/avg rate of 30 BPM. ISIP-4100 psi, 5 min 2621 psi. Flowback @ 1.5 BPM. Recovered 81 BTF in 1-1/2 hrs.

11-06-99 4862'-4881' **Frac D-1 sand as follows:**  
 89,623# 20/40 sand in 485 bbls Viking I-25 fluid. Perfs broke down @ 3118 psi. Treated @ avg pressure of 2100 psi, w/avg. rate of 31 BPM. ISIP 3400 psi; 5 min 2970 psi. Flowed through 12/64" choke @ 1 BPM.

03/26/02 **Pump Change:** Update rod and tubing details.  
 09/23/02 **Pump Change:** Update rod detail.  
 11/15/04 **Pump Change:** Update rod detail.  
 02/25/06 **Pump Change:** Updated rod and tubing detail.  
 03/19/07 **Pump Change:** Updated rod and tubing detail.  
 05/05/09 **Pumping Unit Upgrade.** Updated r & t details.  
 04/14/10 **Convert to Injection well**  
 04/16/10 **MIT Completed - tbg detail updated**

#### PERFORATION RECORD

Date	Interval	Tool	Holes
11-05-99	5170'-5180'	4 JSPF	40 holes
11-05-99	4995'-4997'	4 JSPF	8 holes
11-05-99	4999'-5002'	4 JSPF	12 holes
11-05-99	5004'-5016'	4 JSPF	48 holes
11-05-99	5021'-5023'	4 JSPF	8 holes
11-06-99	4862'-4869'	4 JSPF	28 holes
11-06-99	4875'-4881'	4 JSPF	24 holes
11-11-99	5092'-5096'	4 JSPF	16 holes

**NEWFIELD**

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**South Wells Draw 16-4-9-16**

751' FSL & 713' FEL

SESE Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-32110; Lease #UTU-77338

## S. Wells Draw B-9-9-16

Spud Date: 12/1/2008  
 Put on Production: 1/13/2009  
 GL: 5789' KB: 5801'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (317.97')  
 DEPTH LANDED: 329.82' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 163 jts (6425.05')  
 DEPTH LANDED: 6437.66'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx premlite and 400 sx 50/50 poz  
 CEMENT TOP AT: 84'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 174 jts (5434.52')  
 TUBING ANCHOR: 5446.52' KB  
 NO. OF JOINTS: 2 jts (62.38')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5511.70' KB  
 NO. OF JOINTS: 2 jts (60.23')  
 TOTAL STRING LENGTH: EOT @ 5573.48'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 2-8' & 1-4' x 7/8" pony rods, 215- 7/8" pony rods, 215- 7/8" guided rods (8 per), 4-1 1/2" weight rods.  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 24' CDI RHAC rod pump  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4

### FRAC JOB

2/6/09 5470-5484' Frac A3 sds as follows:  
 55,483# 20/40 sand in 505 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2100 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2149 psi. Actual flush: 4964 gals.

2/6/09 5270-5278' Frac B1 sds as follows:  
 40,404# 20/40 sand in 416 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2170 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2107 psi. Actual flush: 4763 gals.

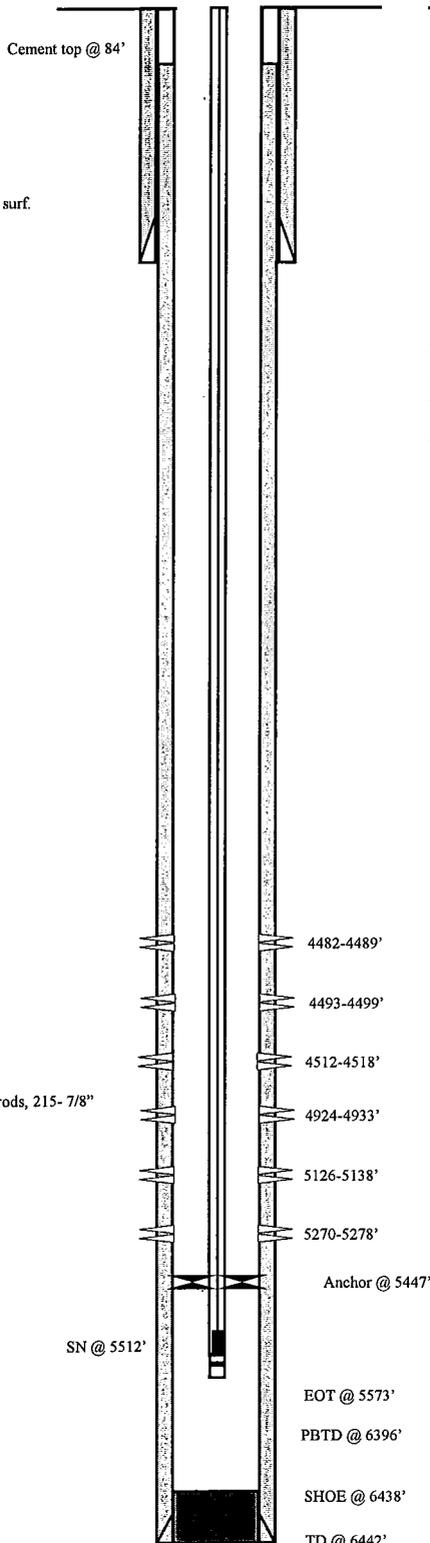
2/7/09 5126-5138' Frac C sds as follows:  
 54,911# 20/40 sand in 494 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1997 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2109 psi. Actual flush: 4620 gals.

2/7/09 4924-4933' Frac DS3 sds as follows:  
 39,518# 20/40 sand in 404 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2423 psi @ ave rate of 22.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2667 psi. Actual flush: 4418 gals.

2/7/09 4482-4518' Frac GB6 sds as follows:  
 47,623# 20/40 sand in 450 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1826 psi @ ave rate of 23 BPM. ISIP 2667 psi. Actual flush: 4482 gals.

### PERFORATION RECORD

Date	Interval	Tool	Holes
12/30/08	4482-4489'	4 JSPF	28 holes
12/30/08	4493-4499'	4 JSPF	24 holes
12/30/08	4512-4518'	4 JSPF	24 holes
12/30/08	4924-4933'	4 JSPF	36 holes
12/30/08	5126-5138'	4 JSPF	48 holes
12/30/08	5270-5278'	4 JSPF	32 holes



**NEWFIELD**

---

**S. Wells Draw B-9-9-16**

973' FNL & 1946' FEL

NW/NE Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-34040 ; Lease # UTU-65207

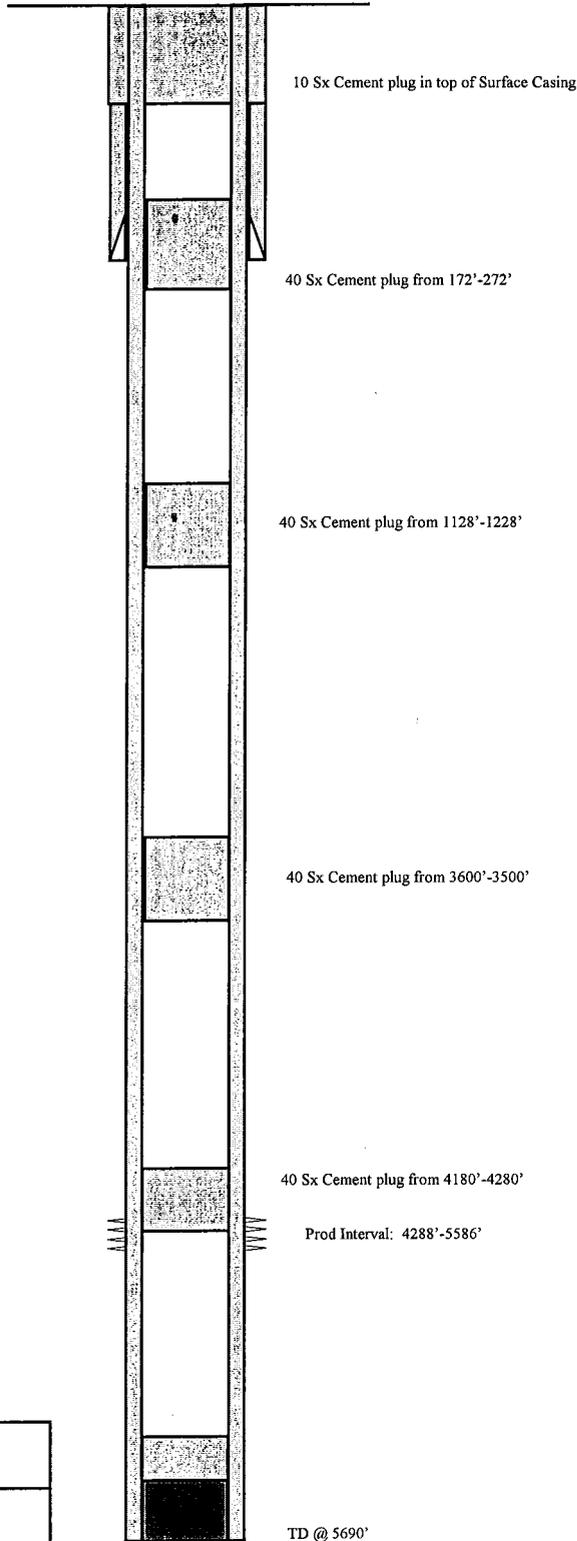
## Castle Peak Unit #10

Spud Date: 11/20/65  
 P&A'd: 5-22-74  
 GL: 5791' KB: 5801'

Put on Production: 12/18/65  
Cumulative Production  
 9891 BO  
 14160 MCF  
 0 BW

Per State of Utah-DOGMR records, this well was drilled by Diamond Shamrock. Current status on file is P&A'd.

P & A  
 Wellbore Diagram



<b>NEWFIELD</b> 
<b>Castle Peak Unit #10</b> 1600 FSL 1986 FEL NWSE Section 9-T9S-R16E Duchesne Co, Utah API #43-013-15788; Lease #U-017985

## South Wells Draw S-4-9-16

Spud Date: 02/02/2010  
 Put on Production: 03/09/2010  
 GL: 5740' KB: 5752'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (306.89)  
 DEPTH LANDED: 318.74'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

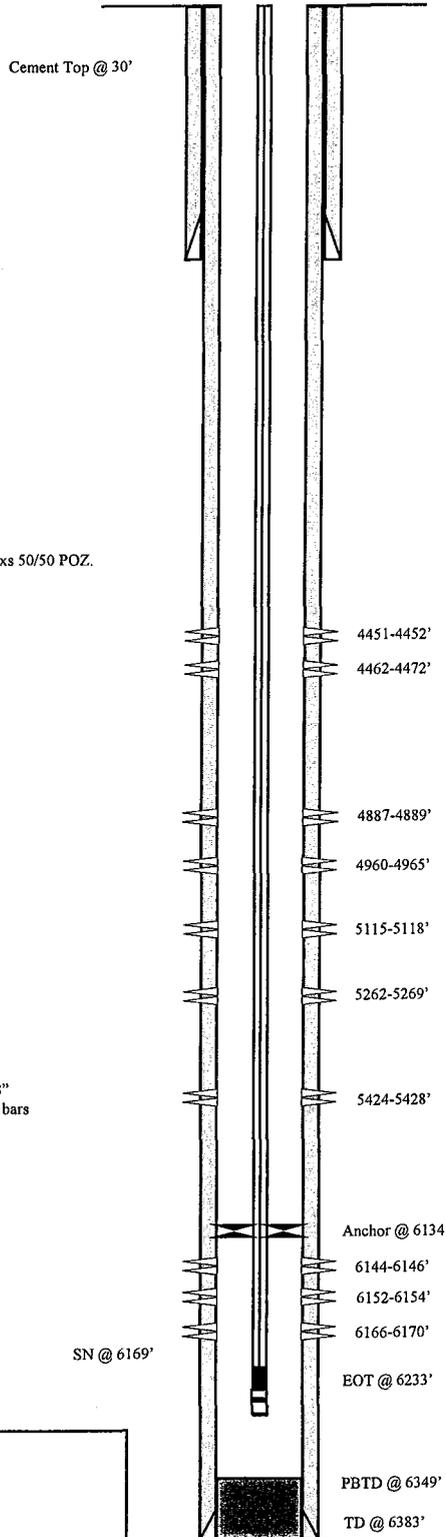
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts. (6359.93')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6373.18'  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 422 sxs 50/50 POZ.  
 CEMENT TOP AT: 30'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 195 jts (6122.2')  
 TUBING ANCHOR: 6134.2'  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 6168.6' KB  
 NO. OF JOINTS: 2 jts (62.9')  
 TOTAL STRING LENGTH: EOT @ 6233'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 4' x 7/8", 1 - 6' x 7/8", 1 - 8' x 7/8"  
 pony rods; 241 - 7/8" 8 per guided rods; 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/2 x 1 3/4 x 20' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 5



### FRAC JOB

3-9-10	6144-6170'	Frac CP5 sands as follows: Frac with 24805# 20/40 sand in 145 bbls Lightning 17 fluid.
3-9-10	5424-5428'	Frac A3 sands as follows: Frac with 9118# 20/40 sand in 59 bbls Lightning 17 fluid.
3-9-10	5262-5269'	Frac B2 sands as follows: Frac with 19253# 20/40 sand in 115 bbls Lightning 17 fluid.
3-9-10	5115-5118'	Frac C sands as follows: Frac with 8973# 20/40 sand in 59 bbls Lightning 17 fluid.
3-9-10	4887-4965'	Frac DS3 & D1 sands as follows: Frac with 19810# 20/40 sand in 117 bbls Lightning 17 fluid.
3-9-10	4451-4472'	Frac GB6 sands as follows: Frac with 50000# 20/40 sand in 218 bbls Lightning 17 fluid.

### PERFORATION RECORD

6166-6170'	3 JSPF	12 holes
6152-6154'	3 JSPF	6 holes
6144-6146'	3 JSPF	6 holes
5424-5428'	3 JSPF	12 holes
5262-5269'	3 JSPF	21 holes
5115-5118'	3 JSPF	9 holes
4960-4965'	3 JSPF	15 holes
4887-4889'	3 JSPF	6 holes
4462-4472'	3 JSPF	30 holes
4451-4452'	3 JSPF	3 holes

**NEWFIELD**



South Wells Draw S-4-9-16  
 736' FSL & 723' FEL (SE/SE)  
 Section 4, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-50060; Lease # UTU-77338

Spud Date: 2/11/82  
P&A'd: 2/18/82  
GL: 5652' KB: 5662'

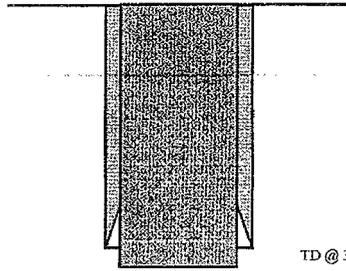
# Castle Peak #1-10

P&A

Wellbore Diagram

Put on Production: P & A

Per State of Utah-DOGMR records, this well was drilled by EP Operating. Current status on file is P&A'd. Cement plug detail was not available.



TD @ 355'



**Castle Peak #1-10**  
875 FNL 1100 FWL  
NWNW Section 10-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30527; Lease #U-44427



## Multi-Chem Group, LLC

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

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-53132**

Well Name: **south wells draw IF**

Sample Point: **tank**

Sample Date: **1 / 7 / 2011**

Sales Rep: **Monty Frost**

Lab Tech: **Peter Poulsen**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/24/2011	<b>Cations</b>		<b>Anions</b>	
Temperature (°F):	100		<b>mg/L</b>		<b>mg/L</b>
Sample Pressure (psig):		Calcium (Ca):	31.62	Chloride (Cl):	2500.00
Specific Gravity (g/cm³):	1.0006	Magnesium (Mg):	15.12	Sulfate (SO₄):	88.00
pH:	7.25	Barium (Ba):	8.18	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	805.00
Calculated T.D.S. (mg/L)	5345	Sodium (Na):	1897.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	8099	Potassium (K):	-	H₂S:	-
Resitivity (Mohm):	1.2347	Iron (Fe):	0.12	Phosphate (PO₄):	-
		Manganese (Mn):	0.02	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100		0.76	-0.74	0.00	-1872.00	0.00	-1990.00	-	-	28.50	13.37	1.25
80	0	0.55	-1.54	0.00	-5.19	0.00	-2126.70	-	-	43.03	13.55	0.57
100	0	0.76	-0.74	0.00	-3.25	0.00	-1990.00	-	-	28.50	13.37	0.70
120	0	0.98	-0.06	0.00	-1.85	0.00	-1792.60	-	-	19.32	13.12	0.79
140	0	1.22	0.57	0.00	-0.80	0.00	-1562.50	-	-	13.37	12.78	0.89
160	0	1.47	1.15	0.00	0.01	0.00	-1323.40	-	-	9.43	12.32	1.01
180	0	1.72	1.70	0.00	0.63	0.01	-1092.60	-	-	6.77	11.71	1.11
200	0	1.96	2.21	0.01	1.12	0.01	-881.65	-	-	4.94	10.90	1.13
220	2.51	2.16	2.69	0.01	1.48	0.01	-703.26	-	-	3.59	9.80	1.14
240	10.3	2.34	3.11	0.01	1.72	0.02	-544.83	-	-	2.67	8.45	1.17
260	20.76	2.48	3.47	0.01	1.84	0.02	-413.16	-	-	2.01	6.73	1.19
280	34.54	2.59	3.76	0.01	1.86	0.04	-306.03	-	-	1.53	4.58	1.22
300	52.34	2.65	3.95	0.01	1.79	0.06	-220.34	-	-	1.17	1.91	1.25

#### Conclusions:

Calcium Carbonate scale is indicated. See graph for appropriate temperature ranges.  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temps from 80°F to 300°F

#### Notes:



## Multi-Chem Group, LLC

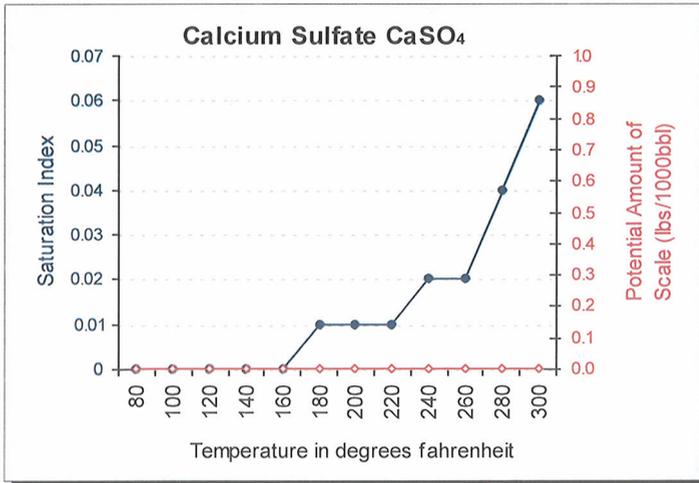
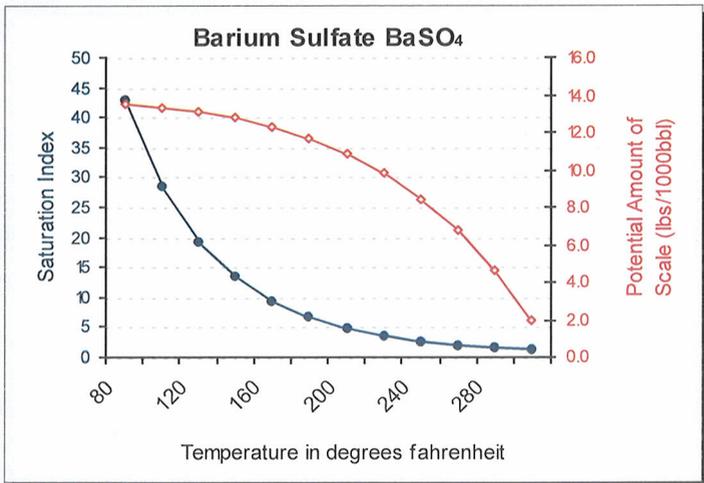
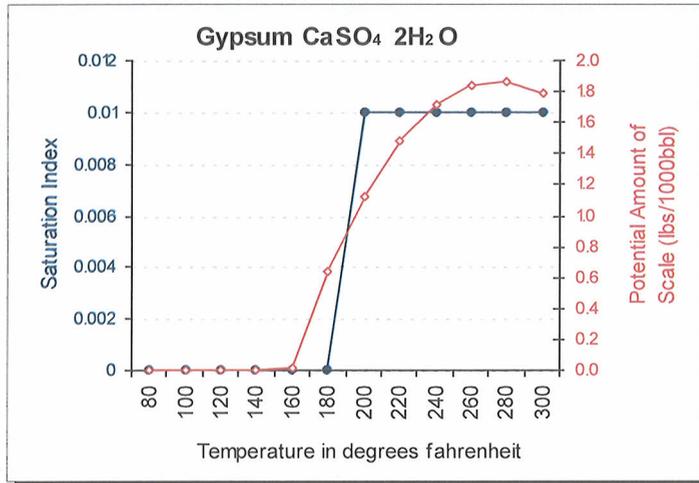
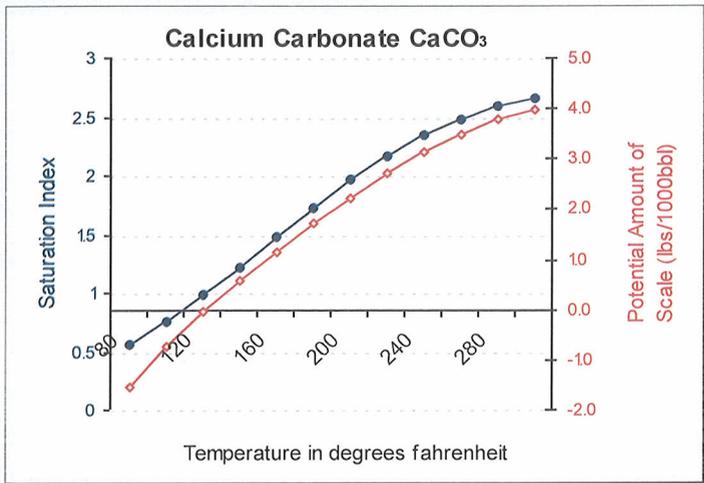
Multi-Chem Analytical Laboratory  
 1553 East Highway 40  
 Vernal, UT 84078

multi-chem®

### Scale Prediction Graphs

Well Name: south wells draw IF

Sample ID: WA-53132





## Multi-Chem Group, LLC

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

multi-chem®

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-52897**

Well Name: **Federal 8-9-9-16**

Sample Point: **Tank**

Sample Date: **1/12/2011**

Sales Rep: **Monty Frost**

Lab Tech: **John Keel**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/18/2011	<b>Cations</b>		<b>Anions</b>	
Temperature (°F):	100		<b>mg/L</b>		<b>mg/L</b>
Sample Pressure (psig):		Calcium (Ca):	37.00	Chloride (Cl):	2000.00
Specific Gravity (g/cm³):	1.0050	Magnesium (Mg):	8.30	Sulfate (SO₄):	45.00
pH:	7.14	Barium (Ba):	13.00	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	976.00
Calculated T.D.S. (mg/L):	4702	Sodium (Na):	1615.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	7124	Potassium (K):	-	H₂S:	7.00
Resistivity (Mohm):	1.4037	Iron (Fe):	0.55	Phosphate (PO₄):	-
		Manganese (Mn):	0.13	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100		0.84	-0.40	0.00	-1803.80	0.00	-1915.00	-	-	25.76	21.01	1.92
80	0	0.61	-1.07	0.00	-8.24	0.00	-2046.70	-	-	38.76	21.37	0.86
100	0	0.84	-0.40	0.00	-5.91	0.00	-1915.10	-	-	25.76	21.01	1.07
120	0	1.08	0.17	0.00	-4.24	0.00	-1725.60	-	-	17.53	20.50	1.20
140	0	1.34	0.70	0.00	-3.02	0.00	-1505.40	-	-	12.19	19.82	1.35
160	0	1.60	1.20	0.00	-2.13	0.00	-1276.80	-	-	8.63	18.92	1.53
180	0	1.86	1.68	0.00	-1.49	0.00	-1056.60	-	-	6.22	17.74	1.69
200	0	2.10	2.14	0.00	-1.05	0.00	-855.71	-	-	4.55	16.26	1.72
220	2.51	2.31	2.58	0.00	-0.78	0.01	-685.72	-	-	3.32	14.28	1.75
240	10.3	2.49	2.99	0.00	-0.61	0.01	-535.24	-	-	2.48	11.94	1.79
260	20.76	2.63	3.36	0.00	-0.52	0.01	-410.36	-	-	1.88	9.09	1.83
280	34.54	2.74	3.68	0.00	-0.49	0.02	-308.82	-	-	1.43	5.68	1.87
300	52.34	2.82	3.93	0.00	-0.49	0.03	-227.65	-	-	1.10	1.64	1.92

#### Conclusions:

Calcium Carbonate scale is indicated. See graph for appropriate temperature ranges.  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temps from 80°F to 300°F

#### Notes:

4 of 4

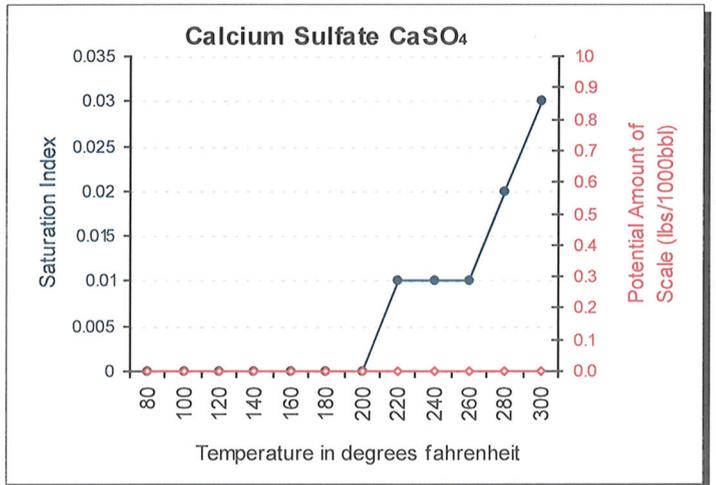
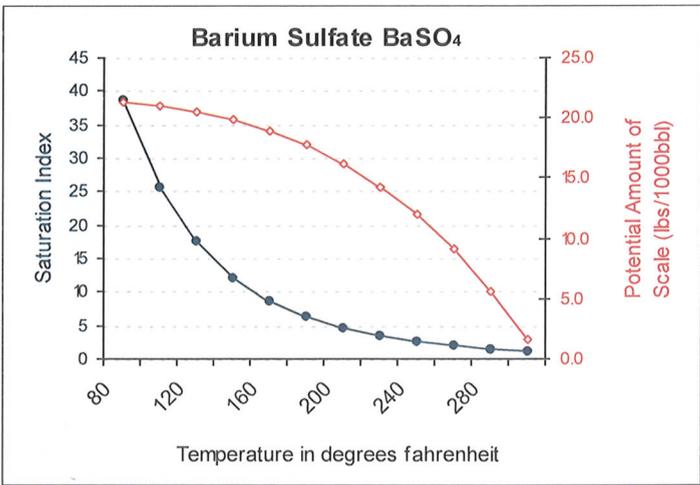
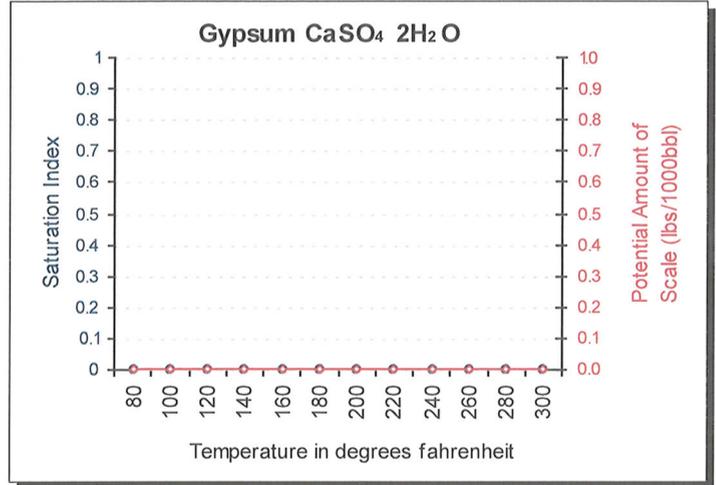
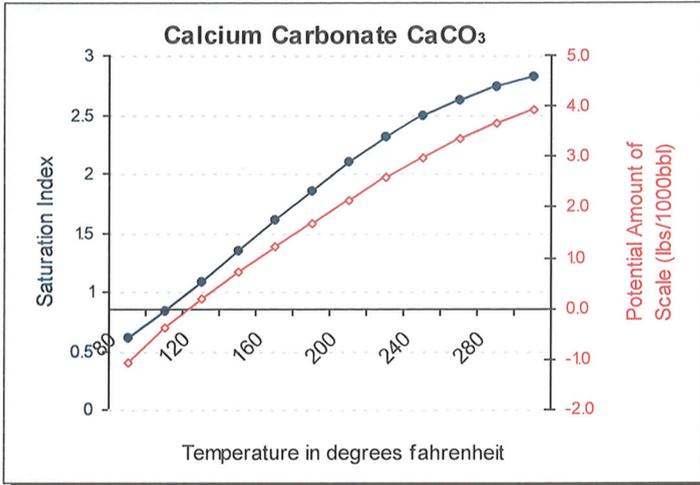


**Multi-Chem Group, LLC**  
 Multi-Chem Analytical Laboratory  
 1553 East Highway 40  
 Vernal, UT 84078

## Scale Prediction Graphs

Well Name: **Federal 8-9-9-16**

Sample ID: **WA-52897**



**Attachment "G"**

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

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5922	5931	5927	1840	0.74	1802 ←
5248	5256	5252	2075	0.83	2041
5060	5072	5066	3544	1.13	3511
4772	4780	4776	2150	0.88	2119
4496	4502	4499	2160	0.91	2131
4200	4207	4204	4000	1.39	3973
				<b>Minimum</b>	<u><u>1802</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.



1 of 2

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 8-9-9-16      **Report Date:** 5-Apr-07      **Day:** 01  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 323'      **Prod Csg:** 5-1/2" @ 6130'      **Csg PBD:** 6049'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<b>CP5 sds</b>	<b>5922-5931'</b>	<b>4/36</b>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 04-Apr-07      **SITP:** \_\_\_\_\_ **SICP:** 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6049' & cement top @ 42'. Perforate stage #1, CP5 sds @ 5922-5931' w/ 3-1/8" Slick Guns (23 gram, .49"HE. 120°) w/ 4 spf for total of 36 shots. 145 bbls EWTR. SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 145      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 145      **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:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

Weatherford BOP	\$540
NPC NU crew	\$300
NDSI trucking	\$1,200
Perforators LLC	\$5,706
Drilling cost	\$299,616
Zubiate hot oil	\$473
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_  
**Completion Supervisor:** Orson Barney

**DAILY COST:** \$314,135  
**TOTAL WELL COST:** \$314,135



DAILY COMPLETION REPORT

WELL NAME: Federal 8-9-9-16 Report Date: 13-Apr-07 Day: 2a  
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' Prod Csg: 5-1/2" @ 6130' Csg PBTD: 6049'WL  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5922-5931'	4/36			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12-Apr-07 SITP: SICP: 5 psi

Day 2a.

RU BJ Services. 5 psi on well. Frac CP5 sds w/ 14,948#'s of 20/40 sand in 271 bbls of Lightning 17 fluid. Broke @ 2544 psi. Treated w/ ave pressure of 1920 psi @ ave rate of 25.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1840 psi. Leave pressure on well. 416 BWTR. See Day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 145 Starting oil rec to date:   
 Fluid lost/recovered today: 271 Oil lost/recovered today:   
 Ending fluid to be recovered: 416 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: CP5 sands  
1512 gals to breakdown & get crosslink.  
1500 gals of pad  
1149 gals W/ 1-4 ppg of 20/40 sand  
2316 gals W/ 4-6.5 ppg of 20/40 sand  
Flush W/ 504 gals of 15% HCL acid  
Flush W/ 5376 gals of slick water

COSTS

BJ Services-CP5	\$18,193
CD wtr & trucking	\$320
NPC fuel gas	\$50
Weatherford tools/serv	\$1,250
NPC trucking	\$300
NPC Supervisor	\$75

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 2242 Max Rate: 25.4 BPM Total fluid pmpd: 271 bbls  
 Avg TP: 1920 Avg Rate: 25.1 BPM Total Prop pmpd: 14,948#'s  
 ISIP: 1840 5 min: 10 min: FG: .74

Completion Supervisor: Orson Barney

DAILY COST: \$20,188  
 TOTAL WELL COST: \$334,323





**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 8-9-9-16 **Report Date:** 13-Apr-07 **Day:** 2c  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6130' **Csg PBTD:** 6049'WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 5170'  
**BP:** 5350'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
<b>B2 sds</b>	<b>5060-5072'</b>	<b>4/48</b>	_____	_____	_____
<b>A3 sds</b>	<b>5248-5256'</b>	<b>4/32</b>	_____	_____	_____
<b>CP5 sds</b>	<b>5922-5931'</b>	<b>4/36</b>	_____	_____	_____

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 12-Apr-07 **SITP:** \_\_\_\_\_ **SICP:** 432 psi

Day 2c.

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 12' perf gun. Set plug @ 5170'. Perforate B2 sds @ 5060- 72' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ Services. 432 psi on well. Frac B2 sds w/ 90,627#'s of 20/40 sand in 659 bbls of Lightning 17 fluid. Broke @ 3850 psi. Treated w/ ave pressure of 2804 psi @ ave rate of 25.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 3544 psi. Leave pressure on well. 1457 BWTR. See Day 2d.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 798 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 659 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1457 **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:** B2 sands

- \_\_\_\_\_ 6800 gals of pad
- \_\_\_\_\_ 4625 gals W/ 1-5 ppg of 20/40 sand
- \_\_\_\_\_ 9250 gals W/ 5-8 ppg of 20/40 sand
- \_\_\_\_\_ 1954 gals W/ 8 ppg of 20/40 sand
- \_\_\_\_\_ Flush W/ 504 gals of 15% HCL acid
- \_\_\_\_\_ Flush W/ 4553 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

**Max TP:** 3980 **Max Rate:** 29.8 BPM **Total fluid pmpd:** 659 bbls  
**Avg TP:** 2804 **Avg Rate:** 25.4 BPM **Total Prop pmpd:** 90,627#'s  
**ISIP:** 3544 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** 1.13

**Completion Supervisor:** Orson Barney

**COSTS**

BJ Services-B2	\$21,178
CD wtr & trucking	\$1,856
NPC fuel gas	\$290
Weatherford tools/serv	\$2,450
Perforators LLC	\$2,939
NPC Supervisor	\$75

**DAILY COST:** \$28,788

**TOTAL WELL COST:** \$378,926



**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 8-9-9-16 **Report Date:** 13-Apr-07 **Day:** 2d  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6130' **Csg PBTD:** 6049'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 4830'  
**BP:** 5170', 5350'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>A3 sds</u>	<u>5248-5256'</u>	<u>4/32</u>
			<u>CP5 sds</u>	<u>5922-5931'</u>	<u>4/36</u>
<u>D1 sds</u>	<u>4749-4759'</u>	<u>4/40</u>			
<u>D1 sds</u>	<u>4772-4780'</u>	<u>4/32</u>			
<u>Shot out of zone</u>	<u>4799-4811'</u>	<u>4/48</u>			
<u>Shot out of zone</u>	<u>4851-4861'</u>	<u>4/40</u>			
<u>B2 sds</u>	<u>5060-5072'</u>	<u>4/48</u>			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 12-Apr-07 **SITP:** \_\_\_\_\_ **SICP:** 835 psi

Day 2d. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid plug, 8' & 10' perf gun. Went to set plug, But fired top gun. Shot 4851-4861' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. POOH w/ plug & guns. Rewire & RIH w/ Weatherford 5-1/2" 5K composite solid plug, 7' & 12' perf gun. Went to set plug, But fired top gun. Shot 4799-4811' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shot. POOH w/ plug & guns. RIH w/ Weatherford 5-1/2" 5K composite solid plug. Set plug @ 4830'. RIH w/ 8' perf gun. Perforate D1 sds @ 4772-80'. RIH w/ 10' perf gun. Perforate D1 sds @ 4749-59' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 72 shots (Total of 5 wireline runs made). RU BJ Services. 835 psi on well. Frac D1 sds w/ 124,470#'s of 20/40 sand in 856 bbls of Lightning 17 fluid. Broke @ 3102 psi. Treated w/ ave pressure of 2033 psi @ ave rate of 25 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2150 psi. Leave pressure on well. 2313 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1457 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 856 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2313 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning 17 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** D1 sands

- 9400 gals of pad
- 6319 gals W/ 1-5 ppg of 20/40 sand
- 12622 gals W/ 5-8 ppg of 20/40 sand
- 2873 gals W/ 8 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4242 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

**Max TP:** 2334 **Max Rate:** 25.7 BPM **Total fluid pmpd:** 856 bbls  
**Avg TP:** 2033 **Avg Rate:** 25 BPM **Total Prop pmpd:** 124,470#'s  
**ISIP:** 2150 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .89

**Completion Supervisor:** Orson Barney

**COSTS**

<u>BJ Services-D1</u>	<u>\$42,056</u>
<u>CD wtr &amp; trucking</u>	<u>\$2,560</u>
<u>NPC fuel gas</u>	<u>\$400</u>
<u>Weatherford tools/serv</u>	<u>\$2,450</u>
<u>Perforators LLC</u>	<u>\$4,408</u>
<u>NPC Supervisor</u>	<u>\$75</u>

**DAILY COST:** \$51,949

**TOTAL WELL COST:** \$430,875



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 8-9-9-16      **Report Date:** 14-Apr-07      **Day:** 3a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 323'      **Prod Csg:** 5-1/2" @ 6130'      **Csg PBD:** 6049'WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBD:** 4600'  
**BP:** 4830', 5170', 5350'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	<u>5248-5256'</u>	<u>4/32</u>
<u>PB10 sds</u>	<u>4496-4502'</u>	<u>4/24</u>	CP5 sds	<u>5922-5931'</u>	<u>4/36</u>
<u>D1 sds</u>	<u>4749-4759'</u>	<u>4/40</u>			
<u>D1 sds</u>	<u>4772-4780'</u>	<u>4/32</u>			
<u>Shot out of zone</u>	<u>4799-4811'</u>	<u>4/48</u>			
<u>Shot out of zone</u>	<u>4851-4861'</u>	<u>4/40</u>			
<u>B2 sds</u>	<u>5060-5072'</u>	<u>4/48</u>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 13-Apr-07      **SITP:** \_\_\_\_\_      **SICP:** 1440 psi

Day 3a.

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through plug & 6' perf gun. Set plug @ 4600'. Perforated PB10 sds @ 4496-4502' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1440 psi on well. Frac PB10 sds w/ 14,785#'s of 20/40 sand in 235 bbls of Lightning 17 fluid. Broke @ 3830 psi. Treated w/ ave pressure of 2026 psi @ ave rate of 14.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2160 psi. Leave pressure on well. 2548 BWTR. See Day 3b.

### FLUID RECOVERY (BLS)

**Starting fluid load to be recovered:** 2313      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 235      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2548      **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:** PB10 sands  
554 gals to breakdown & get crosslink  
1500 gals of pad  
1149 gals W/ 1-4 ppg of 20/40 sand  
2190 gals W/ 4-6.5 ppg of 20/40 sand  
Flush W/ 504 gals of 15% HCL acid  
Flush W/ 3990 gals of slick water

### COSTS

<u>BJ Services-PB10</u>	<u>\$5,038</u>
<u>CD wtr &amp; trucking</u>	<u>\$320</u>
<u>NPC fuel gas</u>	<u>\$50</u>
<u>Weatherford tools/serv</u>	<u>\$2,450</u>
<u>Perforators LLC</u>	<u>\$2,679</u>
<u>NPC Supervisor</u>	<u>\$150</u>

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

**Max TP:** 2134      **Max Rate:** 14.6 BPM      **Total fluid pmpd:** 235 bbls  
**Avg TP:** 2026      **Avg Rate:** 14.6 BPM      **Total Prop pmpd:** 14,785#'s  
**ISIP:** 2160      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .91  
**Completion Supervisor:** Orson Barney

**DAILY COST:** \$10,687  
**TOTAL WELL COST:** \$441,562



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 8-9-9-16      **Report Date:** 14-Apr-07      **Day:** 3b  
**Operation:** Completion      **Rig:** Western #2

### WELL STATUS

**Surf Csg:** 8-5/8' @ 323'      **Prod Csg:** 5-1/2" @ 6130'      **Csg PBD:** 6049'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBD:** 4300'  
**BP:** 4600', 4830', 5170', 5350'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB2 sds	<u>4200-4207'</u>	<u>4/28</u>	A3 sds	<u>5248-5256'</u>	<u>4/32</u>
PB10 sds	<u>4496-4502'</u>	<u>4/24</u>	CP5 sds	<u>5922-5931'</u>	<u>4/36</u>
D1 sds	<u>4749-4759'</u>	<u>4/40</u>			
D1 sds	<u>4772-4780'</u>	<u>4/32</u>			
Shot out of zone	<u>4799-4811'</u>	<u>4/48</u>			
Shot out of zone	<u>4851-4861'</u>	<u>4/40</u>			
B2 sds	<u>5060-5072'</u>	<u>4/48</u>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 13-Apr-07      **SITP:** \_\_\_\_\_ **SICP:** 1795 psi

Day 3b.

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through plug & 7' perf gun. Set plug @ 4300'. Perforated GB2 sds @ 4200-4207' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 shots. RU BJ Services. 1795 psi on well. Frac GB2 sds w/ 32,559#'s of 20/40 sand in 313 bbls of Lightning 17 fluid. Broke @ 3421 psi. Treated w/ ave pressure of 2966 psi @ ave rate of 25.1 BPM. ISIP 4000 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs. Rec. est 300 BTF. Turned to oil & gas. Shut in well. MIRU Western rig #2. RU Perforators LLC WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid kill plug. Set plug @ 4102'. RD WLT & lubricator. SIWFN w/ 2561 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2548      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 13      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2561      **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:** GB2 sands  
974 gals to breakdown & get crosslink  
2400 gals of pad  
1875 gals W/ 1-5 ppg of 20/40 sand  
4218 gals W/ 5-8 ppg of 20/40 sand  
Flush W/ 3658 gals of slick water

### COSTS

BJ Services-GB2	<u>\$27,373</u>
CD wtr & trucking	<u>\$512</u>
NPC fuel gas	<u>\$80</u>
Weatherford tools/serv	<u>\$4,850</u>
Perforators LLC-GB2	<u>\$3,126</u>
NPC Supervisor	<u>\$150</u>
Perforators LLC-Kill plug	<u>\$2,430</u>
Western rig #2	<u>\$800</u>
B&L 2 7/8 J-55 tbg	<u>\$34,250</u>
Unichem chemicals	<u>\$400</u>
NPC sfc equipment	<u>\$130,000</u>
Monks pit reclaim	<u>\$1,800</u>
RNI pit transfer	<u>\$1,200</u>
<b>DAILY COST:</b>	<u>\$206,971</u>
<b>TOTAL WELL COST:</b>	<u>\$648,533</u>

**Max TP:** 4000      **Max Rate:** 25.7 BPM      **Total fluid pmpd:** 313 bbls  
**Avg TP:** 2966      **Avg Rate:** 25.1 BPM      **Total Prop pmpd:** 32,559#'s  
**ISIP:** 4000      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** 1.39  
**Completion Supervisor:** Orson Barney



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 8-9-9-16      **Report Date:** April 17, 2007      **Day:** 04  
**Operation:** Completion      **Rig:** Western #2

### WELL STATUS

**Surf Csg:** 8-5/8' @ 323'      **Prod Csg:** 5-1/2" @ 6130'      **Csg PBTB:** 6049'WL  
**Tbg:** **Size:** 2 7/8"    **Wt:** 6.5#    **Grd:** J-55    **Pkr/EOT @:** 4661'    **BP/Sand PBTB:** \_\_\_\_\_  
**BP:** 4830', 5170', 5350'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB2 sds</u>	<u>4200-4207'</u>	<u>4/28</u>	<u>A3 sds</u>	<u>5248-5256'</u>	<u>4/32</u>
<u>PB10 sds</u>	<u>4496-4502'</u>	<u>4/24</u>	<u>CP5 sds</u>	<u>5922-5931'</u>	<u>4/36</u>
<u>D1 sds</u>	<u>4749-4759'</u>	<u>4/40</u>			
<u>D1 sds</u>	<u>4772-4780'</u>	<u>4/32</u>			
<u>Shot out of zone</u>	<u>4799-4811'</u>	<u>4/48</u>			
<u>Shot out of zone</u>	<u>4851-4861'</u>	<u>4/40</u>			
<u>B2 sds</u>	<u>5060-5072'</u>	<u>4/48</u>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** April 16, 2007      **SITP:** \_\_\_\_\_    **SICP:** 0

ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ new Weatherford 4 3/4" Chomp bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag solid composite bridge plug @ 4102'. RU power swivel. Circ oil & gas f/ well. Drill out kill plug in 22 minutes (using conventional circulation). Well flowing fair amount. Con't swivelling jts in hole. Tag flow-through plug @ 4300'. Drill out plug in 32 minutes. Con't swivelling jts in hole to flow-through plug @ 4600'. Drill out plug in 29 minutes. Returning to production tks while heat & transfer flat tank. Con't swivelling jts in hole to 4730'. Casing plugged off--tbg blew in. Free casing plug & circ hole clean. Hang back swivel & pull EOT to 4661'. SIFN W/ est 2351 BWTR.

Estimating recovery during cleanout of 210 BW & 100 BO.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2561      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 210      **Oil lost/recovered today:** 100  
**Ending fluid to be recovered:** 2351      **Cum oil recovered:** 100  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_    **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

<u>Western #4 rig</u>	<u>\$6,094</u>
<u>Weatherford BOP</u>	<u>\$250</u>
<u>NPC trucking</u>	<u>\$300</u>
<u>NDSI wtr disposal</u>	<u>\$4,000</u>
<u>Zubiate trucking</u>	<u>\$1,500</u>
<u>Weatherford trucking</u>	<u>\$400</u>
<u>Weatherford "Chomp" bit</u>	<u>\$1,450</u>
<u>Nabors swivel</u>	<u>\$750</u>
<u>NPC location cleanup</u>	<u>\$300</u>
<u>Mt. West sanitation</u>	<u>\$650</u>
<u>NDSI wtr &amp; truck</u>	<u>\$400</u>
<u>RNI wtr transfer</u>	<u>\$1,000</u>
<u>NPC supervision</u>	<u>\$300</u>
<b>DAILY COST:</b>	<b><u>\$17,394</u></b>
<b>TOTAL WELL COST:</b>	<b><u>\$665,927</u></b>

**Max TP:** \_\_\_\_\_    **Max Rate:** \_\_\_\_\_    **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_    **Avg Rate:** \_\_\_\_\_    **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_    **5 min:** \_\_\_\_\_    **10 min:** \_\_\_\_\_    **FG:** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 8-9-9-16      **Report Date:** April 18, 2007      **Day:** 05  
**Operation:** Completion      **Rig:** Western #2

### WELL STATUS

**Surf Csg:** 8-5/8' @ 323'      **Prod Csg:** 5-1/2" @ 6130'      **Csg PBDT:** 6049'WL  
**Tbg:** Size: 2 7/8"      Wt: 6.5#      **Grd:** J-55      **Pkr/EOT @:** 5387'      **BP/Sand PBDT:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB2 sds	4200-4207'	4/28	A3 sds	5248-5256'	4/32
PB10 sds	4496-4502'	4/24	CP5 sds	5922-5931'	4/36
D1 sds	4749-4759'	4/40			
D1 sds	4772-4780'	4/32			
Shot out of zone	4799-4811'	4/48			
Shot out of zone	4851-4861'	4/40			
B2 sds	5060-5072'	4/48			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** April 17, 2007      **SITP:** 940      **SICP:** 980

Bleed well off to production tks. RU & circ well to production tks (stays flowing). TIH W/ bit & tbg f/ 4661'. Tag fill @ 4784'. PU swivel. C/O sd to solid plug @ 4830'. Drill out plug (W/ conventional circulation) in 24 minutes. Con't swivelling jts in hole to tag sd @ 4943'. C/O sd & drill out solid plug @ 5170' in 7 minutes. Con't swivelling jts in hole to tag flow-through plug @ 5350'. Drill out plug in 14 minutes. Circ hole clean. Hang back swivel & pull EOT to 5387'. SIFN W/ est 2111 BWTR. Had to transfer flat tk of oil twice. Estimated recovery for day of 400 BO & 240 BW.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2351      **Starting oil rec to date:** 100  
**Fluid lost/recovered today:** 240      **Oil lost/recovered today:** 400  
**Ending fluid to be recovered:** 2111      **Cum oil recovered:** 500  
**IFL:** \_\_\_\_\_      **FFL:** \_\_\_\_\_      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_      **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

Western #4 rig	\$5,573
Weatherford BOP	\$250
HSC - wellhead parts	\$650
National - bolts/rings	\$350
Nabors swivel	\$750
CD oil transfer	\$1,300
NDSI wtr & truck	\$400
RNI pit transfer	\$2,000
NPC supervision	\$300

**Max TP:** \_\_\_\_\_      **Max Rate:** \_\_\_\_\_      **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_      **Avg Rate:** \_\_\_\_\_      **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$11,573

**TOTAL WELL COST:** \$677,500







## DAILY COMPLETION REPORT

**WELL NAME:** Federal 8-9-9-16      **Report Date:** May 12, 2007      **Day:** 08  
**Operation:** Completion      **Rig:** Western #4

### WELL STATUS

**Surf Csg:** 8-5/8' @ 323'      **Prod Csg:** 5-1/2" @ 6130'      **Csg PBDT:** 6084'  
**Tbg:**      **Size:** 2 7/8"      **Wt:** 6.5#      **Grd:** J-55      **Anchor @:** 5854'      **BP/Sand PBDT:** 6084'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB2 sds	4200-4207'	4/28	A3 sds	5248-5256'	4/32
PB10 sds	4496-4502'	4/24	CP5 sds	5922-5931'	4/36
D1 sds	4749-4759'	4/40			
D1 sds	4772-4780'	4/32			
Shot out of zone	4799-4811'	4/48			
Shot out of zone	4851-4861'	4/40			
B2 sds	5060-5072'	4/48			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** May 11, 2007      **SITP:** 100      **SICP:** 610

Bleed well down. RU HO trk to tbg & circ 180 bbls 10# brine @ 220°F. Returned 125 BTF. Well static. ND flow tree and B1 flange. PU & TIH W/ 3 jts tbg to 6048'. LD work string. 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) & 177 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5854' W/ SN @ 5890' & EOT @ 5957'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 3/4" X 19.5' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 110-3/4" plain rods, 99-7/8" scraped rods (4 scrapers per rod) and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 2 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 57 BWTR.

**Place well on production @ 4:00 PM 5/11/2007 W/ 120" SL @ 5 SPM.**

**FINAL REPORT!!**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 0      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 57      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 57      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_      **FFL:** \_\_\_\_\_      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** \_\_\_\_\_

### TUBING DETAIL

### ROD DETAIL

### COSTS

TUBING DETAIL		ROD DETAIL		COSTS	
KB	12.00'	1 1/2" X 26' polished rod		Western #4	\$4,490
177	2 7/8 J-55 tbg (5842.02')	99-7/8" scraped rods		RNI brine & trucking	\$2,500
	TA (2.80' @ 5854.02' KB)	110-3/4" plain rods		NDSI HO trk	\$1,430
1	2 7/8 J-55 tbg (33.00')	20-3/4" scraped rods		NPC trucking	\$400
	SN (1.10' @ 5889.82' KB)	6-1 1/2" weight rods		Midway ratigan	\$400
2	2 7/8 J-55 tbg (65.93')	CDI 2 1/2" X 1 3/4" X 19.5'		CDI TA	\$525
	2 7/8 NC (.45')	RHAC pump W/ SM plunger		CDI SN	\$80
EOT	5957.30' W/ 12' KB			CDI rod pump	\$1,900
				"A" grade rod string	\$16,800
				NPC frac tks(8X6 dys)	\$1,920
				NPC swb tk (4 days)	\$160
				NPC frac head	\$500
				NPC supervision	\$300
				<b>DAILY COST:</b>	<b>\$31,405</b>
				<b>TOTAL WELL COST:</b>	<b>\$727,517</b>

**Completion Supervisor:** Gary Dietz

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4150'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 374'

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

## FEDERAL 8-9-9-16

Spud Date: 03/04/07  
 Put on Production: 05/11/07  
 GL: 5721' KB: 5733'

Initial Production: BOPD,  
 MCFD, BWPD

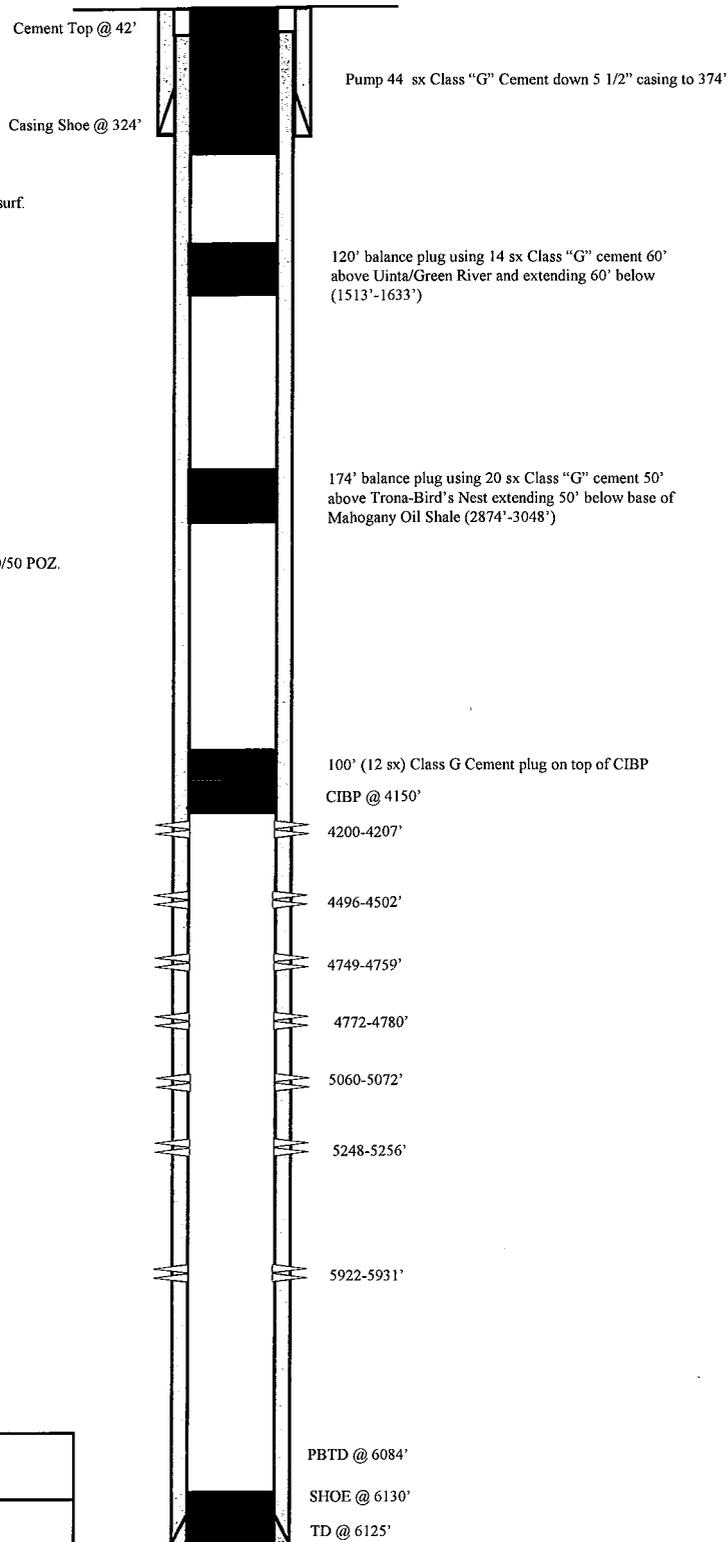
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (313.01')  
 DEPTH LANDED: 323.91' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6116.90')  
 DEPTH LANDED: 6130.15' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 42'




<b>FEDERAL 8-9-9-16</b> 1773' FNL & 666' FEL SE/NE Section 9-T9S-R16E Duchesne Co, Utah API #43-013-32918; Lease # UTU-65207

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**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 page 2**

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   (include area code)  
 435.646.3721

4. Location of Well   (Footage, Sec., T., R., M., or Survey Description)  
 1773 FNL 666 FEL  
 SENE Section 9 T9S R16E

5. Lease Serial No.  
 USA UTU-65207

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 SOUTH WELLS DRAW FEDERAL 8-9-9-16

9. API Well No.  
 4301332918

10. Field and Pool, or Exploratory Area  
 GREATER MB UNIT

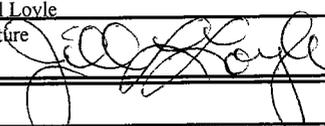
11. County or Parish, State  
 DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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	<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 checked="" 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 recompleat 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 recompleat 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 proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jill Loyle	Title Regulatory Technician
Signature 	Date 03/11/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

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

**The Salt Lake Tribune**  
www.slttrib.com

**MEDIA One**  
NEWSPAPER AGENCY COMPANY  
www.mediaone.com

**Deseret News**  
www.deseretnews.com

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	RECEIVED 9001402352  APR 19 2011	4/4/2011

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	AD ORDER # / INVOICE NUMBER
8015385340	0000677444 /
SCHEDULE	
Start 04/01/2011	End 04/01/2011
CUST. REF. NO.	
Cause # UIC-374	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RE	
SIZE	
69 Lines	2.00 COLUMN
TIMES	
4	
MISC. CHARGES	
REG. FEE COST	
236.84	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-374

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32, TOWNSHIP 8 SOUTH, RANGE 16 EAST, AND SECTIONS 3, 4, 9, 10, AND 18, 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 for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II Injection wells:

Greater Monument Butte Unit:  
Wells Draw 16-32-9-16 well located in SE/4 SE/4, Section 32, Township 9 South, Range 16 East  
South Wells Draw 12-3-9-16 well located in NW/4 SW/4, Section 3, Township 9 South, Range 16 East  
Monument Federal 13-4-9-16 well located in NW/4 SW/4, Section 4, Township 9 South, Range 16 East  
Federal 42-4 well located in SE/4 NE/4, Section 4, Township 9 South, Range 16 East  
Wells Draw Federal 9-9-9-16 well located in SE/4 NE/4, Section 9, Township 9 South, Range 16 East  
South Wells Draw 2-10-9-16 well located in NW/4 NE/4, Section 10, Township 9 South, Range 16 East  
West Point Federal 6-18-9-16 well located in SE/4 NW/4, Section 18, Township 9 South, Range 16 East

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

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

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is 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 intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 28th day of March, 2011.

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

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-374 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 04/01/2011 End 04/01/2011

SIGNATURE

*Barney Cooper*

4/4/2011

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 951439  
My Commission Expires  
January 12, 2014

*Virginia Craft*

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

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

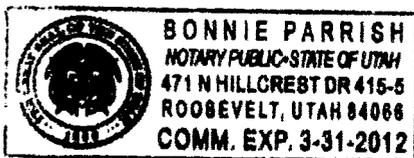
I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 5 day of April, 2011, and that the last publication of such notice was in the issue of such newspaper dated the 5 day of April, 2011, 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.

Geoff Liesik  
Editor

Subscribed and sworn to before me this

5 day of April, 2011

Bonnie Parrish  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-374

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32, TOWNSHIP 8 SOUTH, RANGE 16 EAST, AND SECTIONS 3, 4, 9, 10,

AND 18, 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 for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

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South Wells Draw Federal 8-9-9-16 well located in SE/4 NE/4, Section 9, Township 9 South, Range 16 East

South Wells Draw 2-10-9-16 well located in NW/4 NE/4, Section 10, Township 9 South, Range 16 East

West Point Federal 6-18-9-16 well located in SE/4 NW/4, Section 18, Township 9 South, Range 16 East

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

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

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-374

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32, TOWNSHIP 8 SOUTH, RANGE 16 EAST, AND SECTIONS 3, 4, 9, 10, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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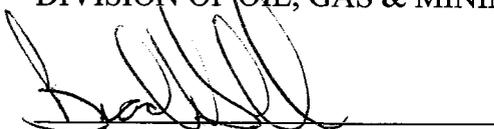
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Dated this 28th day of March, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**WELLS DRAW 16-32-8-16, SOUTH WELLS DRAW 12-3-9-16,  
MONUMENT FEDERAL 13-4-9-16, FEDERAL 42-4,  
SOUTH WELLS DRAW FEDERAL 8-9-9-16, SOUTH WELLS DRAW 2-10-9-16,  
WEST POINT FEDERAL 6-18-9-16**

**Cause No. UIC-374**

Publication Notices were sent to the following:

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

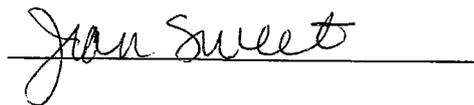
Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

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

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



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

March 29, 2011

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-374

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](mailto: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



**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** <jsweet@utah.gov>  
**Date:** 3/30/2011 4:54 PM  
**Subject:** Notice of Agency Action UIC-374

This will be published April 5, 2011.  
Thank you  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 29, 2011

VIA E-MAIL [naclegal@mediaoneutah.com](mailto: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-374

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](mailto: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



**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-374**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 3/29/2011 12:10 PM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-374

---

Ad #677444 is scheduled to run April 1st in Deseret News, Salt Lake Tribune and Online. The total cost is \$236.84.

The combined readership of our papers for print and online is 700,437 on weekdays, and 852,670 on Sunday, giving you the most views possible for your notice.

Please check the ad in the papers.

Thank you,

Lynn Valdez

MediaOne of Utah,

a Newspaper Agency Company

4770 South 5600 West

West Valley City, Utah 84118

Ph.: 801-204-6245

Email: naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 23, 2011

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

Subject: Greater Monument Butte Unit Well: South Wells Draw Federal 8-9-9-16, Section 9, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32918

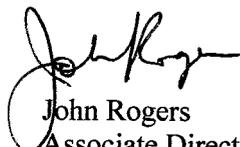
Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

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,

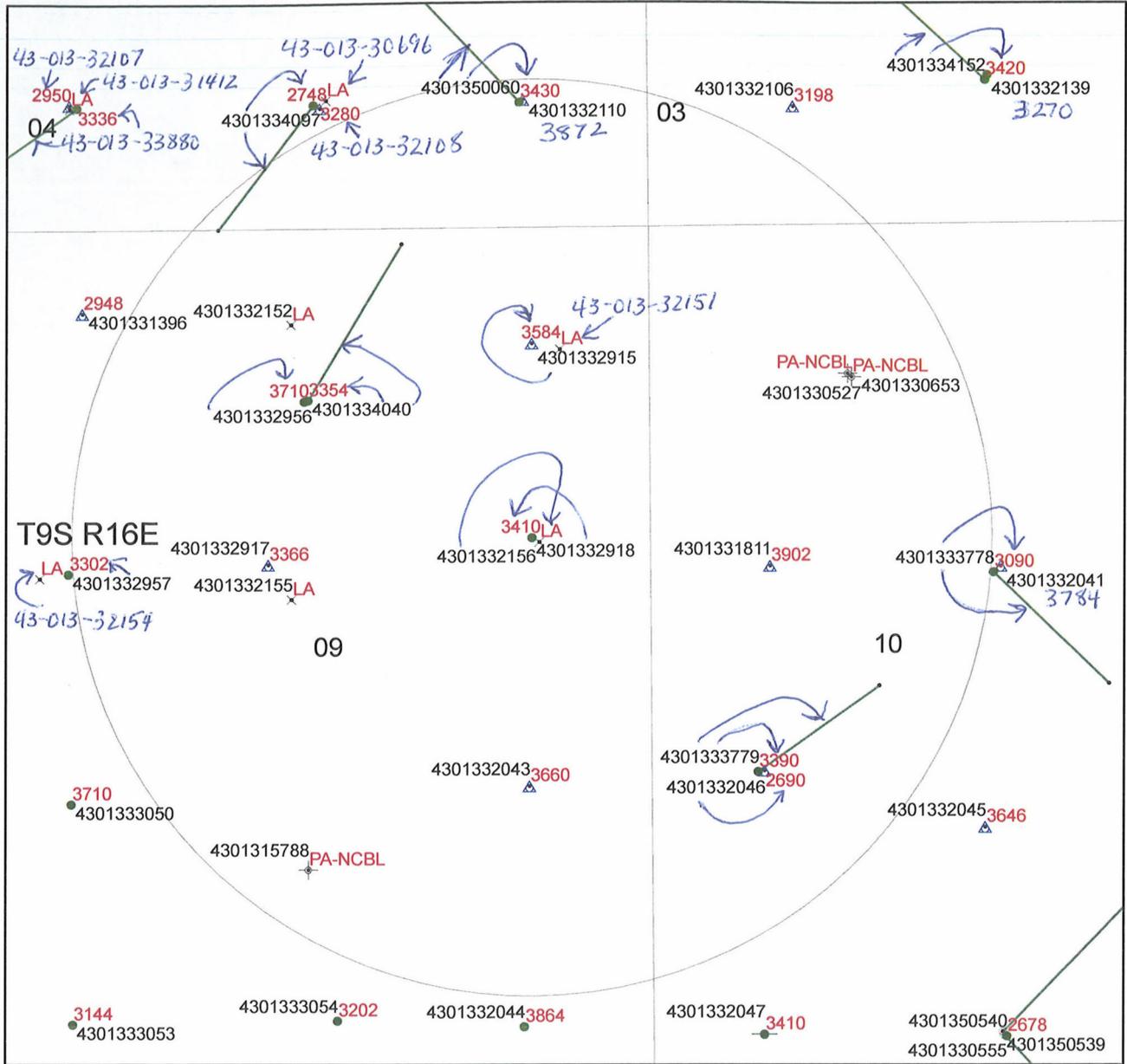
  
John Rogers  
Associate Director

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





# Cement Bond Tops

## SOUTH WELLS DRAW FEDERAL 8-9-9-16

### API #43-013-32918

### UIC-374.1

**Legend**

- |   |                                      |
|---|--------------------------------------|
| Buffer_of_SGID93_ENERGY_DNROIIGasWells_40 | PRODUCING GAS                        |
| SGID93_BOUNDARIES_Counties                | PRODUCING OIL                        |
| SGID93_CADASTRE_PLSSTownships_GCDB        | SHUT-IN GAS                          |
| SGID93_CADASTRE_PLSSSections_GCDB         | SHUT-IN OIL                          |
| GAS INJECTION                             | TEMP. ABANDONED                      |
| TW  | TEST WELL                            |
| TA  | WATER INJECTION                      |
| OPS                                       | WATER SUPPLY                         |
| GS  | WATER DISPOSAL                       |
| APD                                       | DRILLING                             |
| PA  | RETURNED GAS                         |
| LA  | RETURNED OIL                         |
| GAS STORAGE                               | GAS INJECTION SI                     |
| LOCATION ABANDONED                        | WATER DISP. SUSP.                    |
| NEW LOCATION                              | WATER INJ. SUSP.                     |
| PLUGGED & ABANDONED                       | Wells-CbltopsMaster4_4_11            |
|   | SGID93_ENERGY_DNROIIGasWells_HDPPath |

0 0.32 Miles

1870calc = approx cement top calculated from well completion report



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

**Applicant:** Newfield Production Company      **Well:** South Wells Draw Federal 8-9-9-16

**Location:** 9/9S/16E      **API:** 43-013-32918

**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 324 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,130 feet. A cement bond log demonstrates adequate bond in this well up to about 3,410 feet. A 2 7/8 inch tubing with a packer will be set at 4,150 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 5 producing wells, 6 injection wells, and 3 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 producing well with a surface location outside the AOR and a bottom hole location inside the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 2000 feet. Injection shall be limited to the interval between 4,042 feet and 6,084 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-9-9-16 well is 0.74 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,802 psig. The requested maximum pressure is 1,802 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.

**South Wells Draw Federal 8-9-9-16**  
**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 3/28/2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-65207
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW FED 8-9-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013329180000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 1773 FNL 0666 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 09 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> 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: 5/22/2012	<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 subject well has been converted from a producing oil well to an injection well on 05/17/2012. On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not a State representative available to witness the test.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 04, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 5/22/12 Time 9:00 am pm  
Test Conducted by: Riley Bily  
Others Present: \_\_\_\_\_

Well: <u>South wills draw 8-9-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>South wills draw 8-9-9-16</u>	API No: <u>4301332918</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1150</u>	psig
5	<u>1150</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20	<u>1150</u>	psig
25	<u>1150</u>	psig
30 min	<u>1150</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

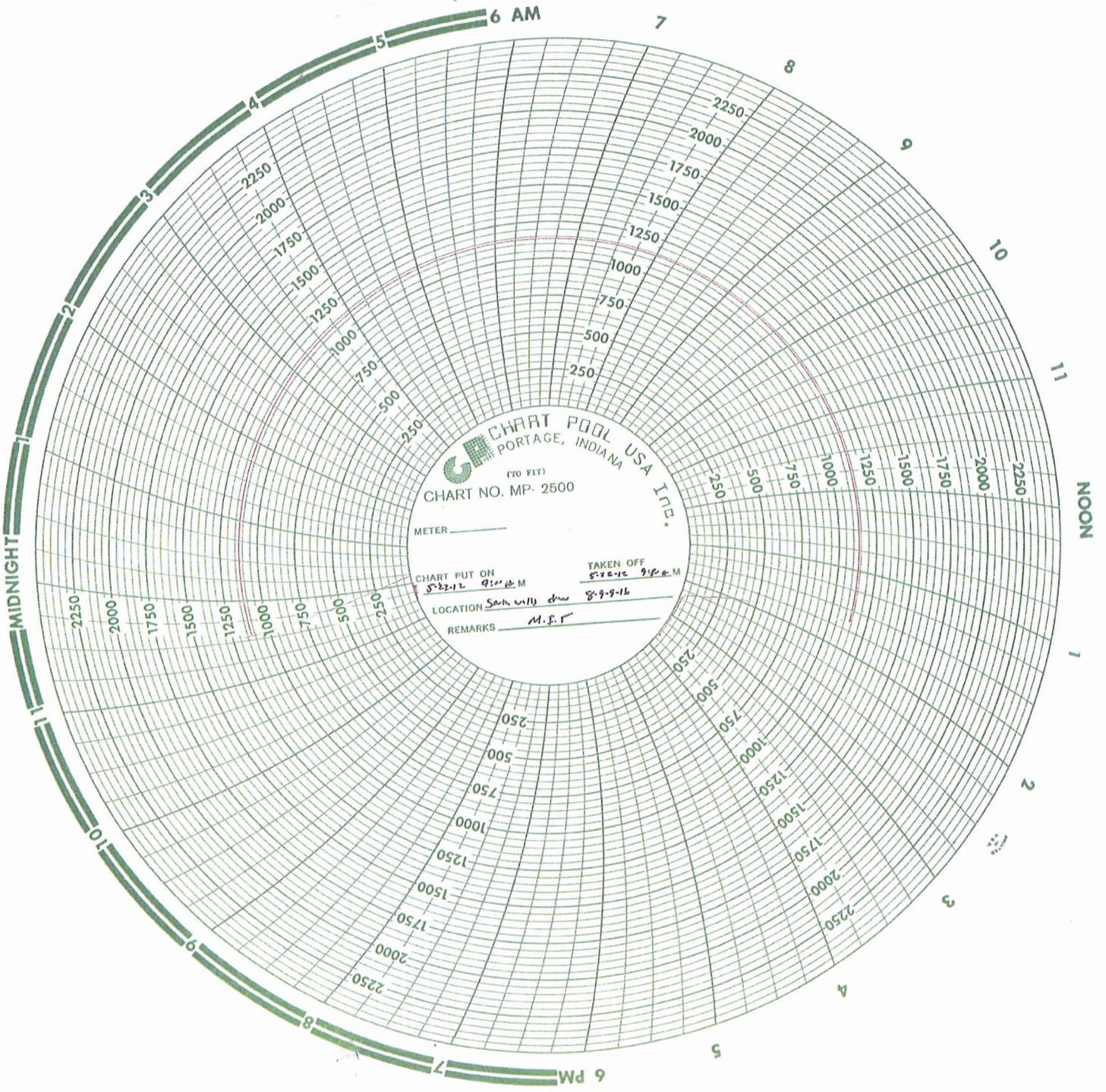
Tubing pressure: 40 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Riley Bily

Sundry Number: 26048 API Well Number: 43013329180000



## Daily Activity Report

Format For Sundry  
**S WELLS DRW 8-9-9-16**  
**3/1/2012 To 7/30/2012**

**5/16/2012 Day: 1**

**Conversion**

NC #3 on 5/16/2012 - MIRUSU, TOH & LD w/ rods. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & attempt to pressure test tbg. Tbg blew @ 2500 psi. Used 15 bbls water to test tbg. Unseat rod pump. TOH & LD w/ 97- 7/8 guided rods, 108- 3/4 plain rods, 21- 3/4 guided rods, 6- 1 1/2 wt bars, rod pump. X-over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & attempt to pressure test tbg. Tbg blew @ 2500 psi. Used 15 bbls water to test tbg. Unseat rod pump. TOH & LD w/ 97- 7/8 guided rods, 108- 3/4 plain rods, 21- 3/4 guided rods, 6- 1 1/2 wt bars, rod pump. X-over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$64,593

**5/17/2012 Day: 2**

**Conversion**

NC #3 on 5/17/2012 - Cont to TOH w/ tbg breaking collars, pressure test tbg. - Pump 20 bbls water down csg @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 46- jts 2 7/8. TOH & LD w/ 51- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on-off tool, 126- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 15 bbls water for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 50 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 20 bbls fresh water w/ pkr fluid. Pressure test csk & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 20 bbls water down csg @ 250. Cont to TOH breaking collars, inspecting pins, & applying liquid o-ring w/ 46- jts 2 7/8. TOH & LD w/ 51- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on-off tool, 126- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 15 bbls water for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 50 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 20 bbls fresh water w/ pkr fluid. Pressure test csk & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$88,654

**5/23/2012 Day: 3**

**Conversion**

Rigless on 5/23/2012 - Conduct initial MIT - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not a State representative available to witness the test. - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure

was 40 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$120,474

**Pertinent Files: Go to File List**



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

## UNDERGROUND INJECTION CONTROL PERMIT

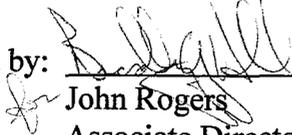
Cause No. UIC-374

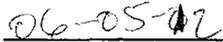
**Operator:** Newfield Production Company  
**Well:** South Wells Draw Federal 8-9-9-16  
**Location:** Section 9, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32918  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 23, 2011.
2. Maximum Allowable Injection Pressure: 1,802 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,042' – 6,084')
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

  
Date

JR/MLR/js

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

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



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-65207																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)																														
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: S WELLS DRAW FED 8-9-9-16																															
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013329180000																															
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: 1773 FNL 0666 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 09 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: 6/15/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width:100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input checked="" type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input checked="" type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input type="text" value="PUT ON INJECTION"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="PUT ON INJECTION"/>
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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 10:00 AM on 06/15/2012.																																
		Accepted by the Utah Division of Oil, Gas and Mining  Date: June 21, 2012 By:																														
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician																														
SIGNATURE N/A	DATE 6/18/2012																															

# FEDERAL 8-9-9-16

Spud Date: 03/04/07

Put on Production: 05/11/07

GL: 5721' KB: 5733'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (313.01')

DEPTH LANDED: 323.91' KB

HOLE SIZE: 12-1/4"

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

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 139 jts. (6116.90')

DEPTH LANDED: 6130.15' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP: 42'

### TUBING

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

NO. OF JOINTS: 126 jts (4144.4')

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

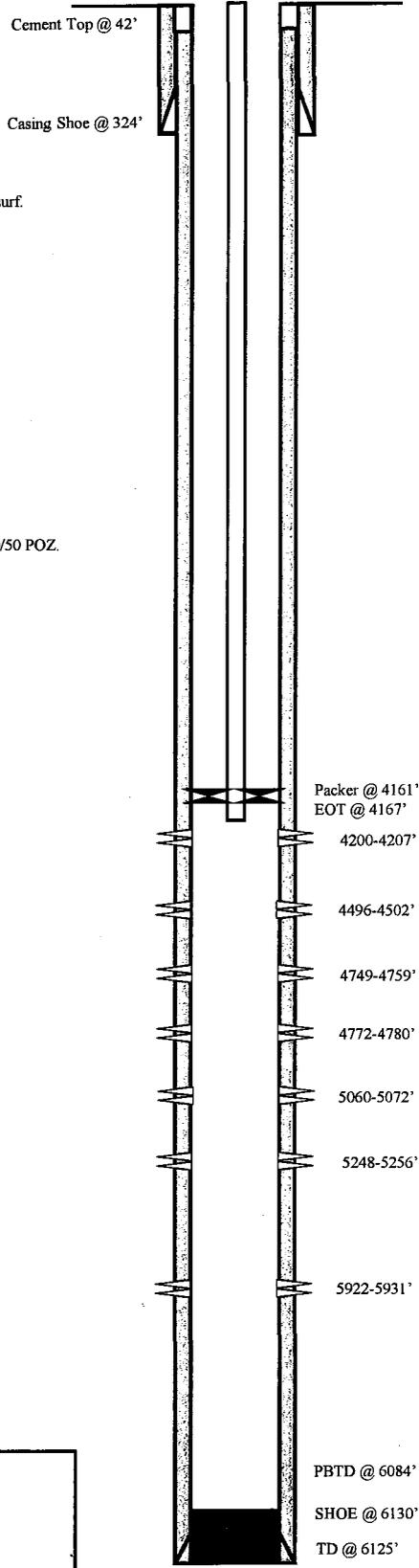
SN LANDED AT: 4165.2' KB

PACKER CE @ 4161.30'

TOTAL STRING LENGTH: EOT @ 4167' KB

### FRAC JOB

04/12/07	5922-5931'	<b>Frac CP5 sands as follows:</b> 14948# 20/40 sand in 271 bbls Lightning 17 frac fluid. Treated @ avg press of 1920 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 5920 gal. Actual flush: 5376 gal.
04/12/07	5248-5256'	<b>Frac A3 sands as follows:</b> 40548# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 25.1 BPM. ISIP 2075 psi. Calc flush: 5246 gal. Actual flush: 4742 gal.
04/12/07	5060-5072'	<b>Frac B2 sands as follows:</b> 90627# 20/40 sand in 659 bbls Lightning 17 frac fluid. Treated @ avg press of 2804 psi w/avg rate of 25.4 BPM. ISIP 3544 psi. Calc flush: 5058 gal. Actual flush: 4553 gal.
04/12/07	4772-4780'	<b>Frac D1 sands as follows:</b> 124470# 20/40 sand in 856 bbls Lightning 17 frac fluid. Treated @ avg press of 2033 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc flush: 4770 gal. Actual flush: 4242 gal
04/13/07	4496-4502'	<b>Frac PB10 sands as follows:</b> 14785# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2026 psi w/avg rate of 14.6 BPM. ISIP 2160 psi. Calc flush: 4494 gal. Actual flush: 3990 gal
04/13/07	4200-4207'	<b>Frac GB2 sands as follows:</b> 32559# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 2966 psi w/avg rate of 25.1 BPM. ISIP 4000 psi. Calc flush: 4198 gal. Actual flush: 3658 gal
05/17/12		<b>Convert to Injection Well</b>
05/22/12		<b>Conversion MIT Finalized</b> - update tbq detail



### PERFORATION RECORD

04/04/07	5922-5931'	4 JSPF	36 holes
04/12/07	5248-5256'	4 JSPF	32 holes
04/12/07	5060-5072'	4 JSPF	48 holes
04/12/07	4772-4780'	4 JSPF	32 holes
04/12/07	4749-4759'	4 JSPF	40 holes
04/13/07	4496-4502'	4 JSPF	24 holes
04/13/07	4200-4207'	4 JSPF	28 holes

**NEWFIELD**

**FEDERAL 8-9-9-16**

1773' FNL & 666' FEL

SE/NE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32918; Lease # UTU-65207