



October 15, 2003

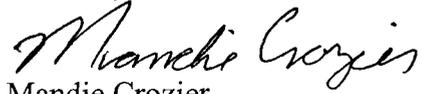
State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 3-11-9-17, 13-11-9-17, 1-6-9-18,
and Blackjack Federal 10-4-9-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,


Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

OCT 16 2003

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

001

| |
|--|
| 5. Lease Serial No. U-075174 |
| 6. If Indian, Allottee or Tribe Name N/A |
| 7. If Unit or CA Agreement, Name and No. N/A |
| 8. Lease Name and Well No. Federal 13-11-9-17 |
| 9. API Well No. 43-013-32510 |
| 10. Field and Pool, or Exploratory Monument Butte |
| 11. Sec., T., R., M., or Blk. and Survey or Area SW/SW Sec. 11, T9S R17E |
| 12. County or Parish Duchesne |
| 13. State UT |

| | |
|--|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | |
| 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 | |
| 2. Name of Operator Inland Production Company | |
| 3a. Address Route #3 Box 3630, Myton UT 84052 | 3b. Phone No. (include area code) (435) 646-3721 |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SW 660' FSL 660' FWL 4432485Y 40.04000 At proposed prod. zone 587003X -109.98619 | |
| 14. Distance in miles and direction from nearest town or post office* Approximatley 15.4 miles southeast of Myton, Utah | |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1980' f/lse, NA f/unit | 16. No. of Acres in lease 720.00 |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2462' | 17. Spacing Unit dedicated to this well 40 Acres |
| 19. Proposed Depth 6500' | 20. BLM/BIA Bond No. on file #4488944 |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5146' GR | 22. Approximate date work will start* 1st Quarter 2004 |
| 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 <i>Mandie Crozier</i> | Name (Printed/Typed) Mandie Crozier | Date 10/15/03 |
| Title Regulatory Specialist | | |
| Approved by (Signature) <i>Bradley G. Hill</i> | Name (Printed/Typed) BRADLEY G. HILL | Date 10-20-03 |
| Title ENVIRONMENTAL SCIENTIST III | | |

Federal Approval of this Action is Necessary

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

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

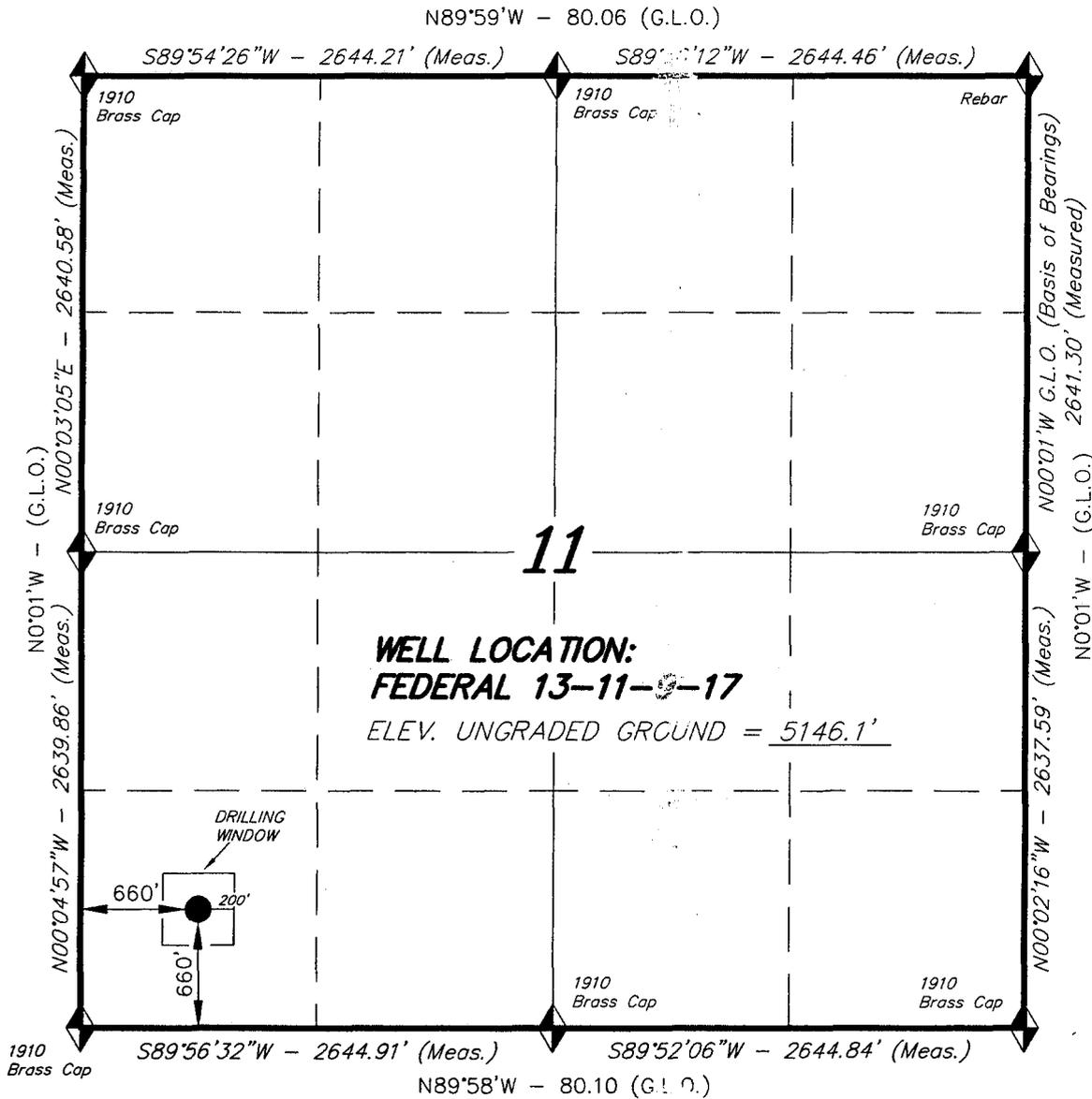
*(Instructions on reverse)

RECEIVED
OCT 16 2003
DIV. OF OIL, GAS & MINING

T9S, R17E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 13-11-9-17,
 LOCATED AS SHOWN IN THE SW 1/4 SW
 1/4 OF SECTION 11, T9S, R17E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

REGISTERED LAND SURVEYOR
 No. 189377
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 89577
 STATE OF UTAH

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

◆ = SECTION CORNERS LOCATED

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

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 9-11-03

DRAWN BY: J.R.S.

NOTES:

FILE #

INLAND PRODUCTION COMPANY
FEDERAL #13-11-9-17
SW/SW SECTION 11, T9S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

| | |
|-------------|------------|
| Uinta | 0' – 1640' |
| Green River | 1640' |
| Wasatch | 5800' |

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

Green River Formation 1640' – 6500' - Oil

4. **PROPOSED CASING PROGRAM**

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

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

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

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

Please refer to the Monument Butte Field SOP.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY
FEDERAL #13-11-9-17
SW/SW SECTION 11, T9S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #13-11-9-17 located in the SW 1/4 SW 1/4 Section 11, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles \pm to its junction with an existing road to the southeast; proceed southeasterly - 1.6 miles \pm to its junction with an existing road to the north; proceed northerly - 0.5 miles \pm to its junction with the beginning of the proposed access road; proceed easterly along the proposed access road 1,150' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. AERC project #1597, 4/20/98. Paleontological Resource Survey prepared by, Wade E. Miller, 5/8/03. See attached report cover pages, Exhibit "D".

Inland Production Company requests a 60' ROW for the Federal #13-11-9-17 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company also requests a 60' ROW be granted for the Federal #13-11-9-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Please refer to the Monument Butte Field SOP.

Reserve Pit Liner

Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

| | | |
|---------------|-------------------------------|------------|
| Shadscale | <i>Artiplex confertifolia</i> | 6 lbs/acre |
| Galleta grass | <i>Artiplex canescens</i> | 6 lbs/acre |

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

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

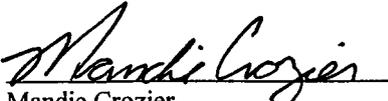
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #13-11-9-17 SW/SW Section 11, Township 9S, Range 17E: Lease U-075174 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

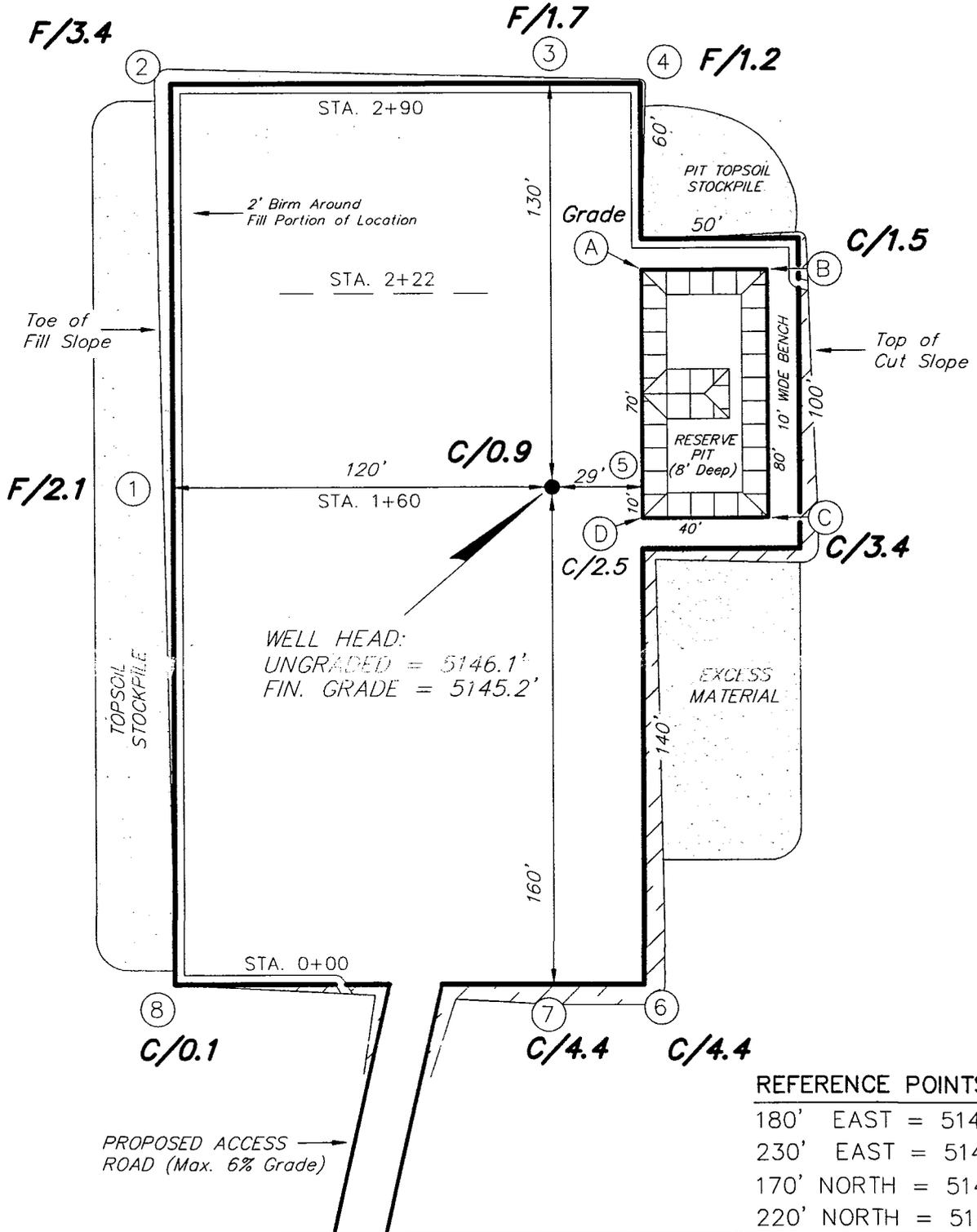
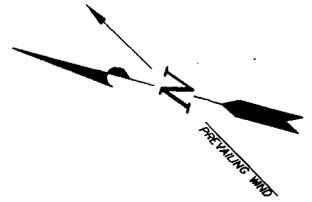
10/15/03

Date


Mandie Crozier
Regulatory Specialist

INLAND PRODUCTION COMPANY

FEDERAL 13-11-9-17
Section 11, T9S, R17E, S.L.B.&M.



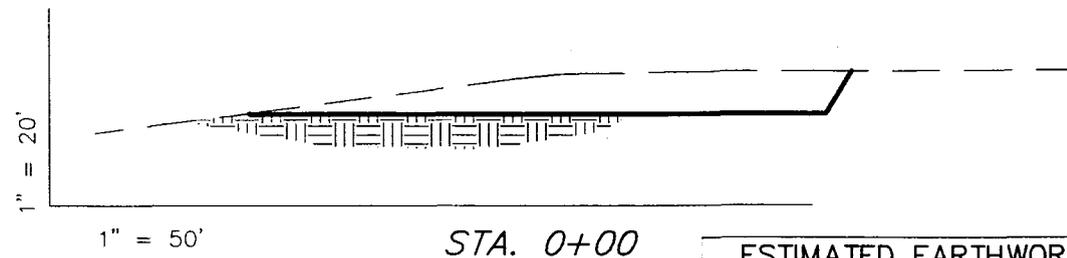
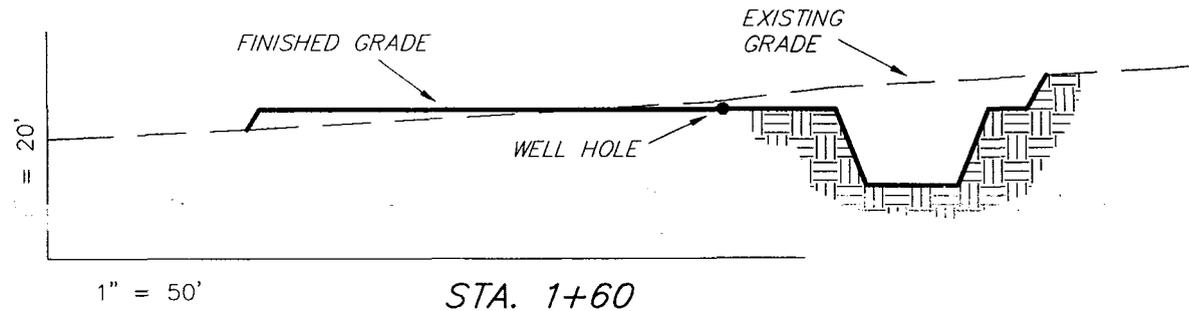
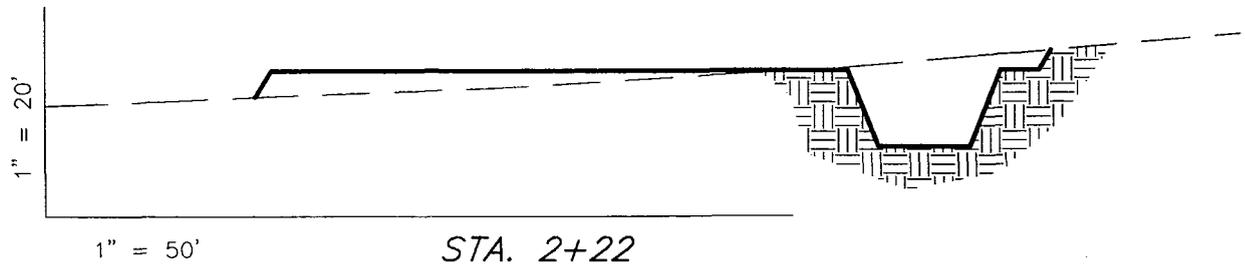
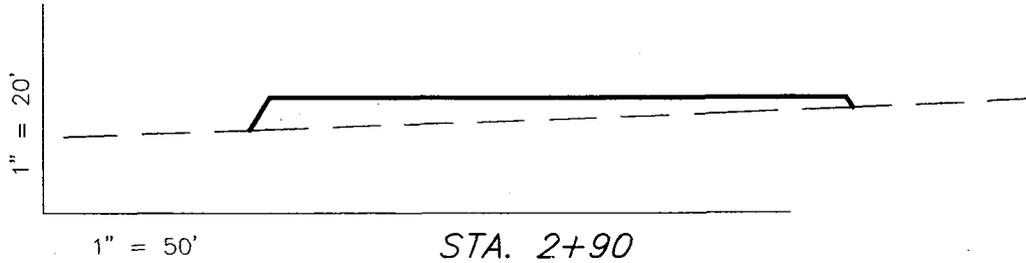
| | |
|---------------------|-----------------|
| SURVEYED BY: D.J.S. | SCALE: 1" = 50' |
| DRAWN BY: J.R.S. | DATE: 9-11-03 |

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

INLAND PRODUCTION COMPANY

CROSS SECTIONS

FEDERAL 13-11-9-17



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

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

| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|--------|-------|-------|--|--------|
| PAD | 1,630 | 1,630 | Topsoil is not included in Pad Cut | 0 |
| PIT | 640 | 0 | | 640 |
| TOTALS | 2,270 | 1,630 | 890 | 640 |

SURVEYED BY: D.J.S.

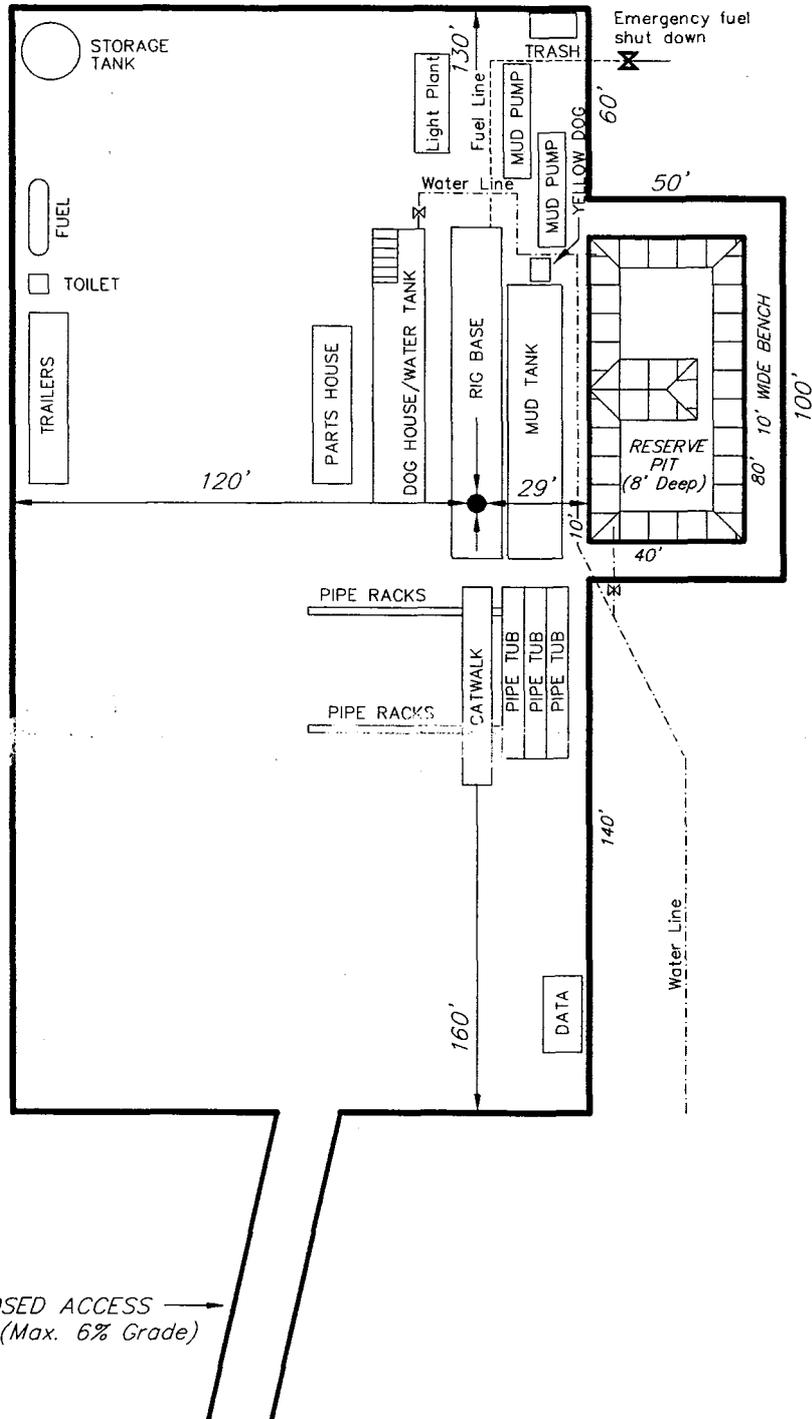
SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 9-11-03

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

INLAND PRODUCTION COMPANY
TYPICAL RIG LAYOUT
FEDERAL 13-11-9-17



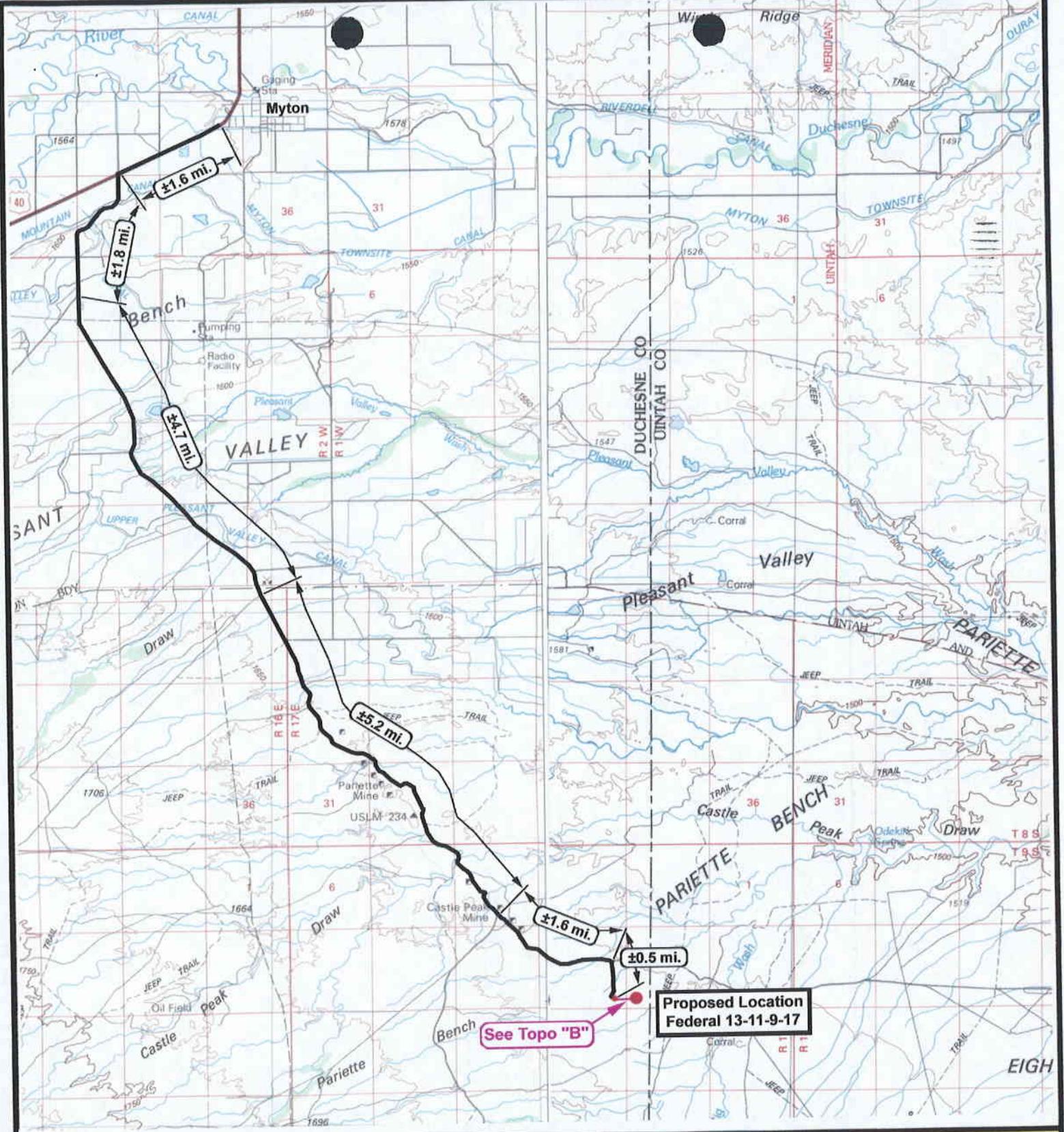
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 9-11-03

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



RESOURCES INC.

Federal 13-11-9-17
SEC. 11, T9S, R17E, S.L.B.&M.



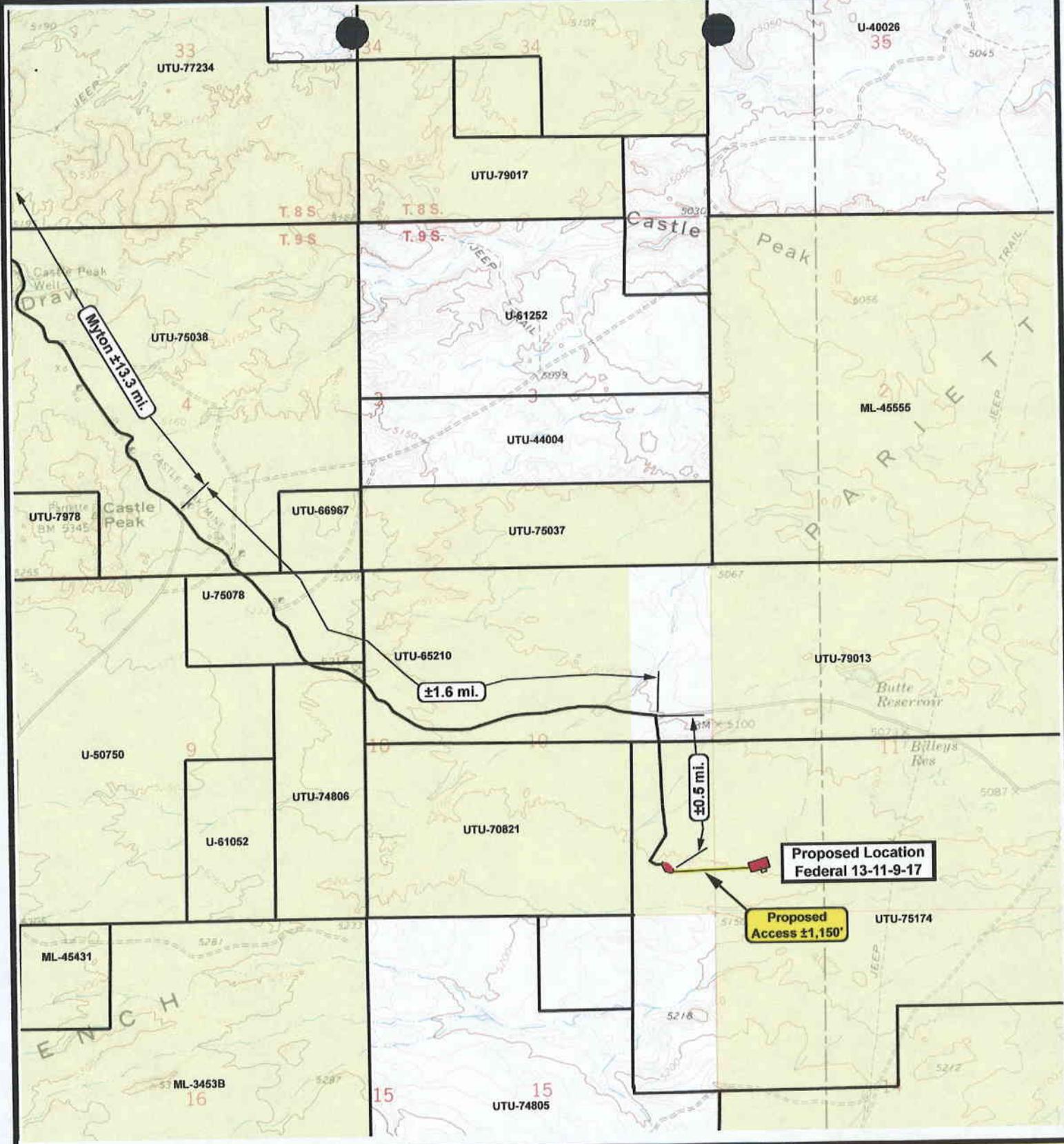
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: R.A.B.
 DATE: 09-17-2003

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



**Federal 13-11-9-17
SEC. 11, T9S, R17E, S.L.B.&M.**



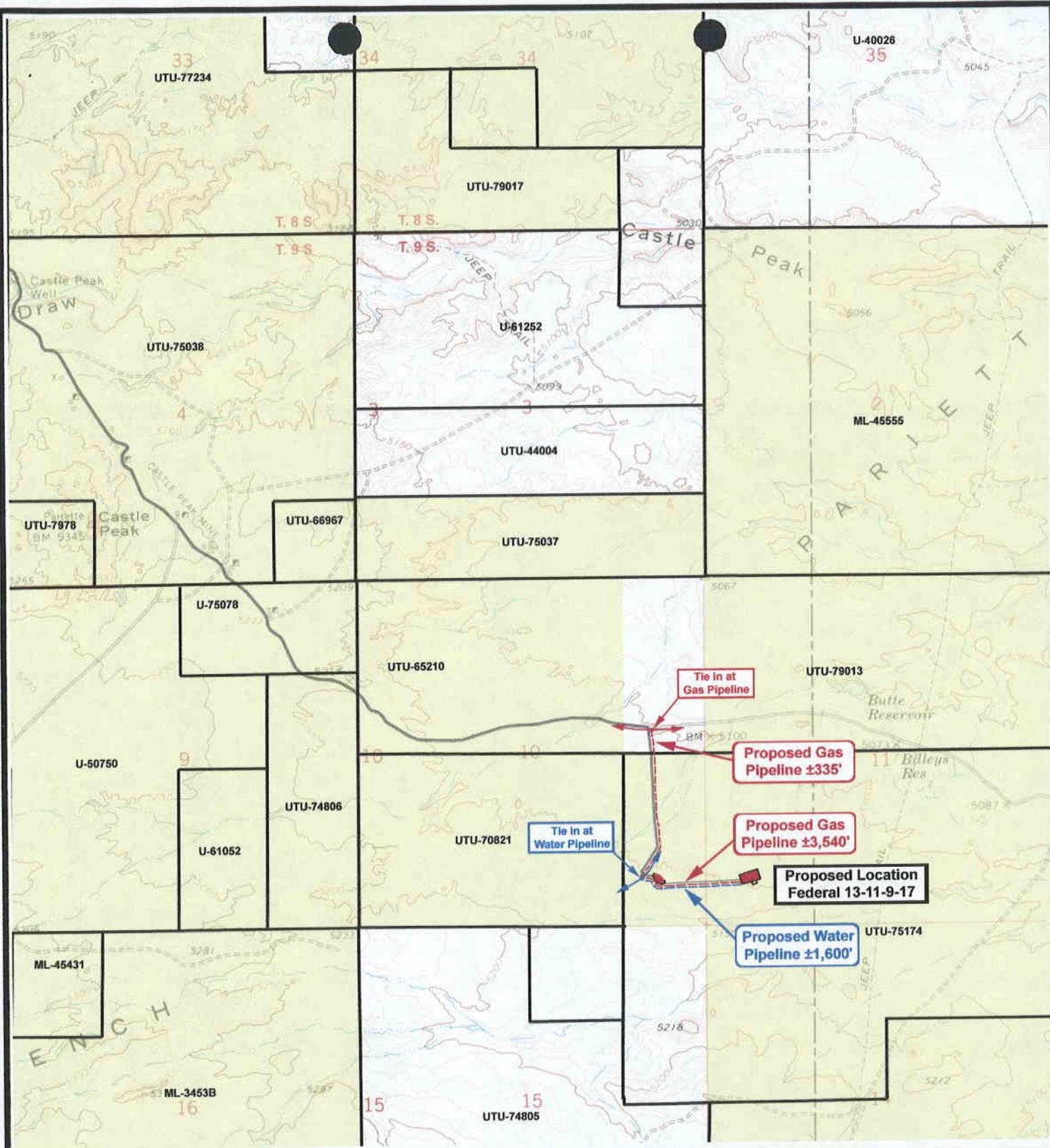
**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 09-17-2003

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"B"



**Federal 13-11-9-17
SEC. 11, T9S, R17E, S.L.B.&M.**



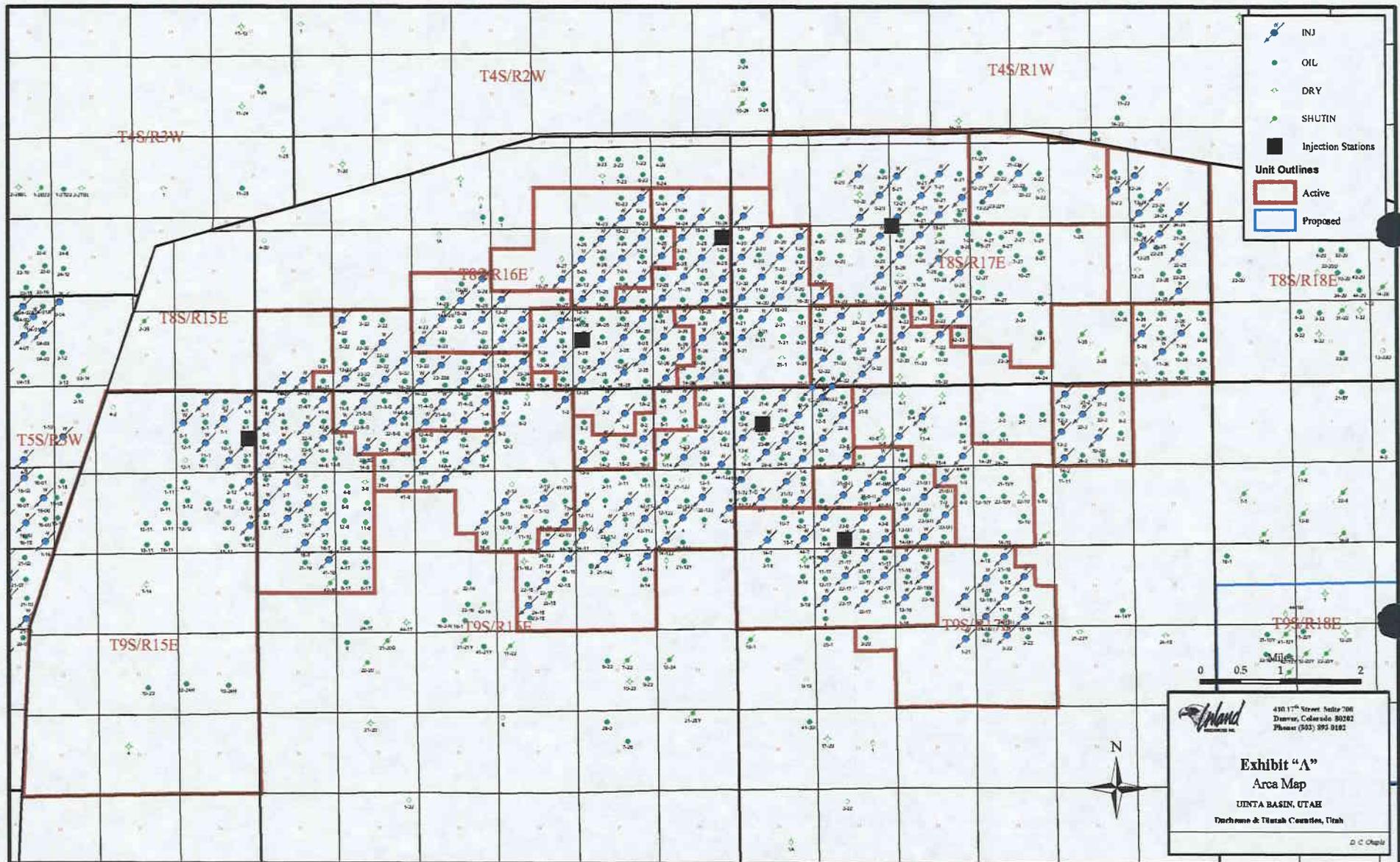
**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 09-17-2003

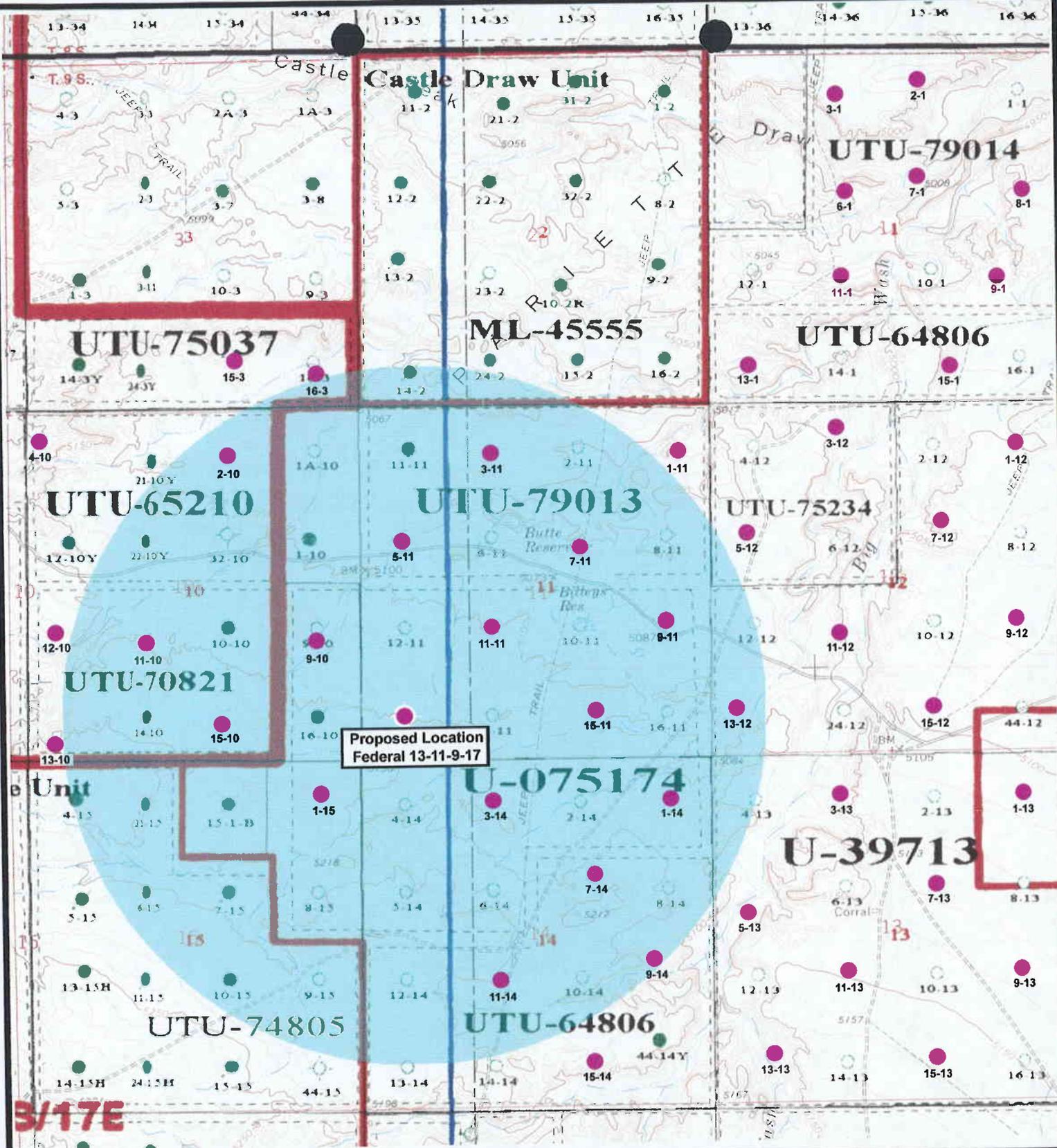
| Legend | |
|--------|---------------------|
| | Roads |
| | Existing Gas Line |
| | Proposed Gas Line |
| | Existing Water Line |
| | Proposed Water Line |

TOPOGRAPHIC MAP

"C"



January 15, 2003



Federal 13-11-9-17
SEC. 11, T9S, R17E, S.L.B.&M.



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

SCALE: 1" = 2,000'
 DRAWN BY: R.A.B.
 DATE: 09-17-2003

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

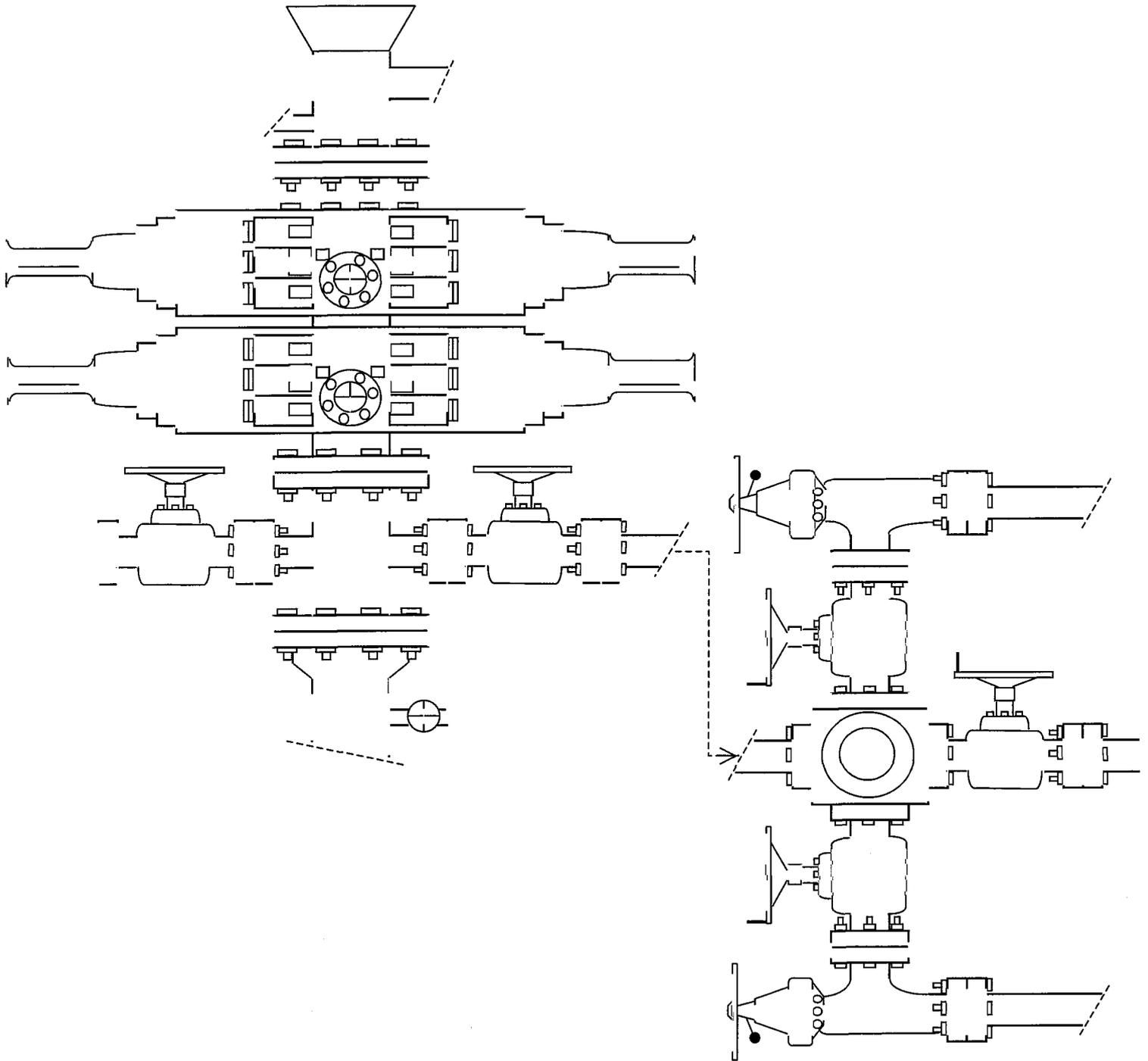


EXHIBIT C

Exhibit "D"
page 1 of 2

CULTURAL RESOURCE EVALUATION OF 16 PROPOSED INLAND UNITS IN THE SOUTH WELLS DRAW -- CASTLE PEAK DRAW -- PARIETTE BENCH LOCALITIES OF UINTAH & DUCHESNE COUNTIES, UTAH

Report Prepared for Inland Resources, Inc.

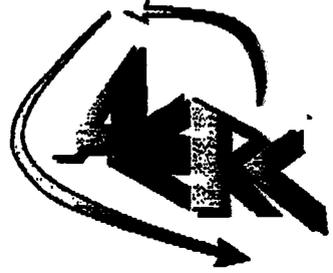
Units 6-10(9-16), 13-10(9-16), 7-36(8-17), 11-36(8-17), 1-35(8-17), 7-35(8-17), 9-35(8-17)
9-2(9-17), 15-2(9-17), 16-2(9-17), 1-11(9-17), 2-11(9-17), 3-11(9-17), 6-11(9-17), 7-11(9-17),
& 8-11(9-17)

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

Utah State Project No.: UT-98-AF-0166bs

AERC Project 1597 (CNG98-3B)

Author of the Report:
F. Richard Hauck



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 Web page: www.ari-aerc.org

April 20, 1998

INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE AND UINTAH COUNTIES, UTAH**

(South ½ Section 6, T 9 S, R 18 E; South ½ Section 1, T 9 S, 17 R E;
all of Sections 11 and 12, the NW, SE & NE quarters of the SW ¼ Section 10,
the NE¼ & SE ¼ of the SE ¼ Section 9, T 9 S, R 17 E and the SE ¼, SW ¼,
NE ¼ and SE ¼ of the SE ¼, Section 33, T 8 S, R 17 E.)

REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
May 8, 2003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/17/2003

API NO. ASSIGNED: 43-013-32510

WELL NAME: FEDERAL 13-11-9-17
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWSW 11 090S 170E
SURFACE: 0660 FSL 0660 FWL
BOTTOM: 0660 FSL 0660 FWL
DUCHESNE
MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
LEASE NUMBER: U-075174
SURFACE OWNER: 1 - Federal

LATITUDE: 40.04000

PROPOSED FORMATION: GRRV

LONGITUDE: 109.98019

RECEIVED AND/OR REVIEWED:

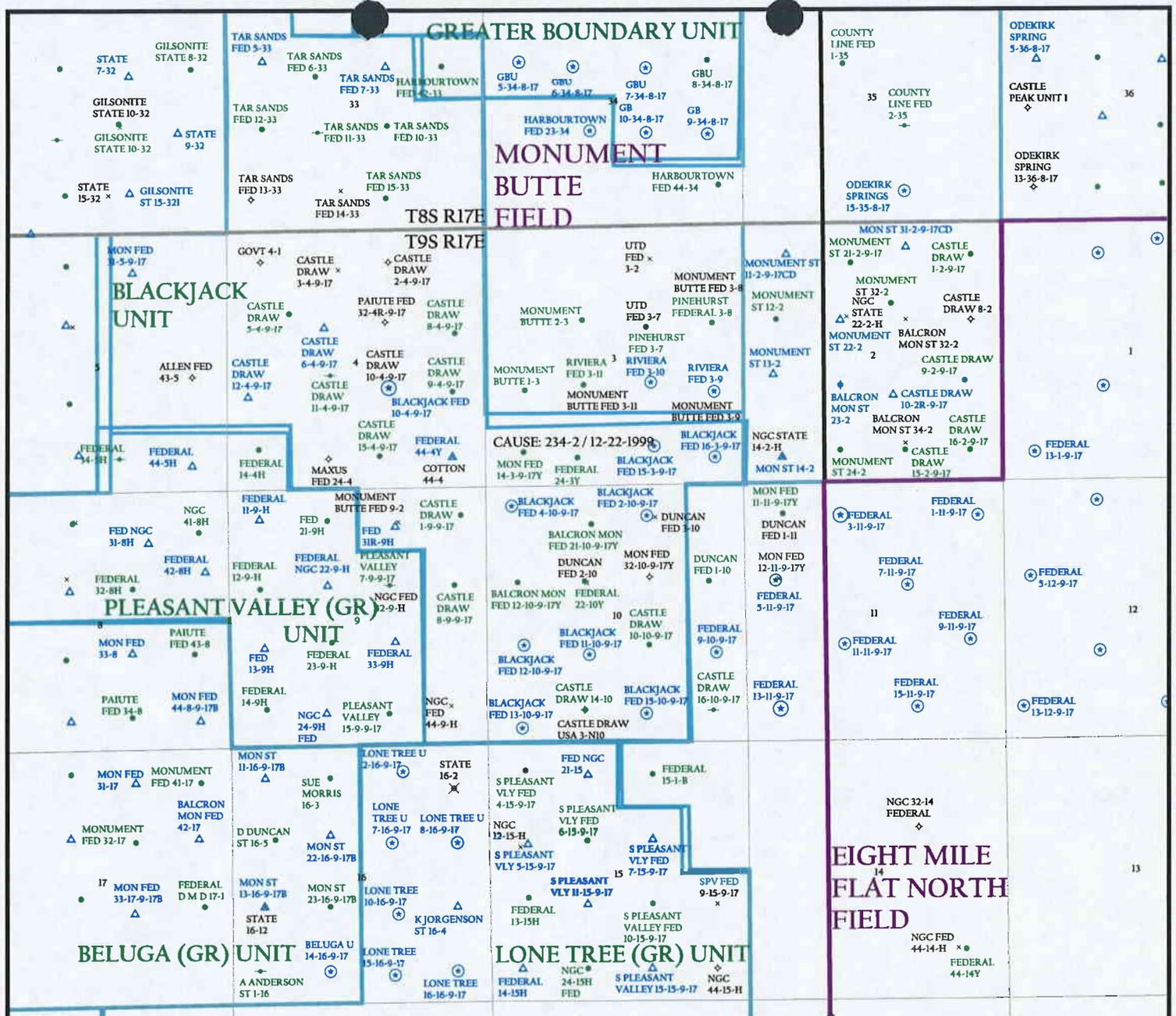
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

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

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval
2- Spacing STIP



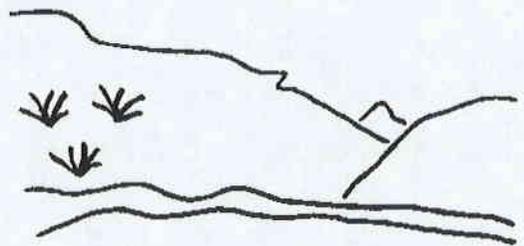
OPERATOR: INLAND PRODUCTION CO (N5160)

SEC. II T.9S, R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

- Wells**
- ▲ 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

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

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



PREPARED BY: DIANA WHITNEY
DATE: 17-OCTOBER-2003



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
 PO Box 145801
 Salt Lake City, Utah 84114-5801
 (801) 538-5340 telephone
 (801) 359-3940 fax
 (801) 538-7223 TTY
 www.nr.utah.gov

Michael O. Leavitt
 Governor
 Robert L. Morgan
 Executive Director
 Lowell P. Braxton
 Division Director

October 20, 2003

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

Re: Federal 13-11-9-17 Well, 660' FSL, 660' FWL, SW SW, Sec. 11, T. 9 South, R. 17 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 43-013-32510.

Sincerely,

(for) John R. Baza
 Associate Director

pab
 Enclosures

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

Operator: Inland Production Company

Well Name & Number Federal 13-11-9-17

API Number: 43-013-32510

Lease: U-075174

Location: SW SW Sec. 11 T. 9 South R. 17 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

005

24

Form 3160-3
(September 2001)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

| | | |
|--|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. U-075174 |
| 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 Inland Production Company | | 7. If Unit or CA Agreement, Name and No. N/A |
| 3a. Address Route #3 Box 3630, Myton UT 84052 | 3b. Phone No. (include area code) (435) 646-3721 | 8. Lease Name and Well No. Federal 13-11-9-17 |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SW/SW 660' FSL 660' FWL At proposed prod. zone | | 9. API Well No. 43-C13-33510 |
| 14. Distance in miles and direction from nearest town or post office* Approximatley 15.4 miles southeast of Myton, Utah | | 10. Field and Pool, or Exploratory Monument Butte |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1980' #/lse, NA #/unit | | 11. Sec., T., R., M., or Blk. and Survey or Area SW/SW Sec. 11, T9S R17E |
| 16. No. of Acres in lease 720.00 | | 12. County or Parish Duchesne |
| 17. Spacing Unit dedicated to this well 40 Acres | | 13. State UT |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2462' | | 20. BLM/BIA Bond No. on file #4488944 |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5146' GR | 22. Approximate date work will start* 1st Quarter 2004 | 23. Estimated duration Approximately seven (7) days from spud to rig release. |

OCT 18 2003

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 <i>Mandie Crozier</i> | Name (Printed/Typed) Mandie Crozier | Date 10/15/03 |
| Title Regulatory Specialist | | |
| Approved by (Signature) <i>Kirk Sturdevant</i> | Name (Printed/Typed) | Date 6/23/04 |
| Title Assistant Field Manager Mineral Resources | 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)

RECEIVED

JUN 28 2004

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

041M0786A

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company
Well Name & Number: FEDERAL 13-11-9-17
API Number: 43-013-32510
Lease Number: UTU - 075174
Location: SWSW Sec. 11 TWN: 09S RNG: 17E
Agreement: N/A

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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

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

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at $\pm 2,385$ ft.

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company.

API Number: 43-013-32510

Well Name & Number: Federal 13-11-9-17

Lease Number: U-075174

Location: SWSW Sec. 11 T. 9 S. R. 17 E.

Surface Ownership: BLM

Date NOS Received: None

Date APD Received: 10-16-03

-In order to mitigate impacts to burrowing owls, no new construction or surface disturbing activities shall occur during the nesting season of April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys would be conducted by a qualified biologist acceptable to the Vernal BLM and using approved survey protocol after July 15 to detect the presence of nesting burrowing owls. If burrowing owls are not present, construction could begin. If nesting owls are documented during the survey, no construction or surface disturbing activities would occur until the adult birds and their young disperse.

-In order to mitigate impacts to mountain plovers, no new construction or surface disturbing activities shall occur during the nesting season of May 1 and June 15. If new construction or surface disturbing activities are scheduled between May 1 and June 15, pre-construction surveys would be conducted by a qualified biologist acceptable to the Vernal BLM and using U.S. Fish and Wildlife's mountain plover survey guidelines to detect the presence of nesting mountain plovers. If mountain plovers are not present, construction could begin. If nesting plovers are documented during the survey, no construction or surface disturbing activities would occur until the adult birds and their young disperse.

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: FEDERAL 13-11-9-17Api No: 43-013-32510 Lease Type: FEDERALSection 11 Township 09S Range 17E County DUCHESNEDrilling Contractor EDS RIG # ES#1**SPUDDED:**Date 08/11/04Time 8:30 AMHow DRY**Drilling will commence:** _____Reported by FLOYD MITCHELLTelephone # 1-435-823-3610Date 08/11/2004 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

007

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND 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)

660 FSL 660 FWL SW/SW Section 11, T9S R17E

5. Lease Designation and Serial No.

U-075174

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 13-11-9-17

9. API Well No.

43-013-32510

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

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

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other Spud Notice |
| | <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 |

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

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

On 08/11/04 MIRU EDSI ES#1 .Spud well @ 8:30 AM Drill 310' of 12 1/4 hole with air mist, TIH w/7 Jts 8 5/8 J55 24# csgn. Set @ 303.92'.KB. On 08/12/04. Cement with 150 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 3 bbls cement returned to surface. WOC.

RECEIVED
AUG 16 2004
DIV. OF OIL, GAS & MINING

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

Signed

Floyd Mitchell

Title

Drilling Foreman

Date

08/13/04

Floyd Mitchell

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

_____ 8 5/8 _____ CASING SET AT _____ 303.92 _____

LAST CASING 8 5/8" SET / 303'
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 310' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company
 WELL Federal 13-11-9-17
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # EDSI ES#1

LOG OF CASING STRING:

| PIECES | OD | ITEM - MAKE - DESCRIPTION | WT / FT | GRD | THREAD | CONDT | LENGTH |
|--------|--------|---------------------------|---------|------|--------|-------|--------|
| | | 40.76 shoe jt | | | | | |
| | | WHI - 92 csg head | | | 8rd | A | 0.95 |
| 7 | 8 5/8" | Maverick ST&C csg | 24# | J-55 | 8rd | A | 292.07 |
| | | GUIDE shoe | | | 8rd | A | 0.9 |

| | | | | |
|-----------------------------|-----------|-----------|--|---------------|
| CASING INVENTORY BAL. | FEET | JTS | TOTAL LENGTH OF STRING | 293.92 |
| TOTAL LENGTH OF STRING | 293.92 | 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 | 303.92 |
| TOTAL | 292.07 | 7 | } COMPARE | |
| TOTAL CSG. DEL. (W/O THRDS) | 292.07 | 7 | | |
| TIMING | 1ST STAGE | | | |
| BEGIN RUN CSG. SPUD | 8/11/2004 | 8:30 AM | GOOD CIRC THRU JOB | Yes |
| CSG. IN HOLE | 8/12/2004 | 11:00 AM | Bbls CMT CIRC TO SURFACE | 3BBLs |
| BEGIN CIRC | 8/12/2004 | 5:06 PM | RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE | |
| BEGIN PUMP CMT | 8/12/2004 | 5:15 PM | DID BACK PRES. VALVE HOLD ? | N/A |
| BEGIN DSPL. CMT | 8/12/2004 | 5:25 PM | BUMPED PLUG TO _____ 658 PSI _____ PSI | |
| PLUG DOWN | Cemented | 8/12/2004 | 5:35 PM | |

| | | | |
|-------------|---------------------------|---|--|
| CEMENT USED | CEMENT COMPANY- BJ | | |
| STAGE | # SX | CEMENT TYPE & ADDITIVES | |
| 1 | 150 | 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 Floyd Mitchell DATE 8/13/2004

AUG 19 2004

DIV. OF OIL, GAS & MINING

OPERATOR ACCT. NO. N5160

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

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

PAGE 02

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | | SPUD DATE | EFFECTIVE DATE |
|-----------------------------|--------------------|----------------|--------------|-----------------------------|---------------|----|----|-----|----------|-----------------|----------------|
| | | | | | QQ | SC | TP | RG | COUNTY | | |
| A | 99999 | 14373 | 43-013-32510 | Federal 13-11-9-17 | SW/SW | 11 | 9S | 17E | Duchesne | August 11, 2004 | 8/30/04 |
| WELL 1 COMMENTS: <i>GRU</i> | | | | | | | | | | | |
| A | 99999 | 14274 | 43-013-32428 | Ashley Federal 4-22-9-15 | NW/NW | 22 | 9S | 15E | Duchesne | August 12, 2004 | 8/30/04 |
| WELL 2 COMMENTS: <i>GRU</i> | | | | | | | | | | | |
| B | 99999 | 12704 | 43-013-32501 | BlackJack Federal 15-3-9-17 | SW/SE | 3 | 9S | 17E | Duchesne | August 13, 2004 | 8/30/04 |
| WELL 3 COMMENTS: <i>GRU</i> | | | | | | | | | | | |
| B | 99999 | 12704 | 43-013-32500 | BlackJack Federal 16-3-9-17 | SE/SE | 3 | 9S | 17E | Duchesne | August 18, 2004 | 8/30/04 |
| WELL 4 COMMENTS: <i>GRU</i> | | | | | | | | | | | |
| A | 99999 | 14375 | 43-013-32429 | Ashley Federal 3-22-9-15 | NE/NW | 22 | 9S | 15E | Duchesne | August 18, 2004 | 8/30/04 |
| WELL 5 COMMENTS: <i>GRU</i> | | | | | | | | | | | |

INLAND

4356463031

08/19/2004 07:42

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

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

Kebbie S. Jones
Signature
Kebbie S. Jones
Production Clerk
Title
August 19, 2004
Date

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

009

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

Lease Designation and Serial No.

U-075174

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

FEDERAL 13-11-9-17

2. Name of Operator

INLAND PRODUCTION COMPANY

9. API Well No.

43-013-32510

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

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

660 FSL 660 FWL SW/SW Section 11, T9S R17E

11. County or Parish, State

DUCHESNE COUNTY, UT

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Weekly Status Report
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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.)*

~~On 8-9-04~~ MIRU Eagle #2. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 5750'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 134 Jt's 51/2" J-55 15.5# csgn. Set @ 5750' KB. Cement with 325 sks Prem Lite II w/ 3% KCL, 10% Gel, 3#"s sk CSE, 2#"s sk Kolseal, .5% Sms, 1/4# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 425 sks 50/50 Poz w/ 3% KCL, 2% Gel, .3% Static free, 1/4# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Returned 15bbls of cement to pit. Nipple down BOP's. Drop slips @ 75,000 #'s tension. Clean pit's & release rig on 8-21-04

RECEIVED

AUG 24 2004

DIV. OF OIL, GAS & MINING

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

Signed

Justin Luna

Title

Drilling Foreman

Date

8/6/2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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

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



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

010

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.
UTU075174

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
FEDERAL 13-11-9-17

9. API Well No.
4301332510

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Inland Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660 FSL 660 FWL
SW/SW Section 11 T9S R17E

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

Status report for time period 8/31/04 – 9/13/04

Subject well had completion procedures initiated in the Green River formation on 8/31/04 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5388-5400'), (5340-5347') (All 4 JSPF); #2 (4938-4946'), (4915-4921') (All 4 JSPF); #3 (4732-4742') (4 JSPF); #4 (4657-4664'), (4643-4650'), (4617-4626') (All 4 JSPF); #5 (4532-4538'), (4523-4526') (All 4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 9/8/04. Bridge plugs were drilled out. Well was cleaned out to PBSD @ 5696'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 5472'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 9/13/04.

RECEIVED
SEP 21 2004

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed) Martha Hall

Signature *Martha Hall*

Title Office Manager

Date 9/20/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

NEWFIELD



October 14, 2004

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attn: Ms. Carol Daniels

Federal 13-11-9-17 (43-013-32510)
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Harris".

Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver
Marnie Bryson/Roosevelt

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OCT 19 2004

DIV. OF OIL, GAS & MINING

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

011

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL

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

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 660' FSL & 660' FWL (SW SW) Sec. 11, Twp 9S, Rng 17E
At top prod. Interval reported below

At total depth

14. API NO. 43-013-32510 DATE ISSUED 10/20/2003 12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 8/11/2004 16. DATE T.D. REACHED 8/21/2004 17. DATE COMPL. (Ready to prod.) 9/13/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5146' GR 5158' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5750' 21. PLUG BACK T.D., MD & TVD 5696' 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 4523'-5400' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log 27. WAS WELL CORED No

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

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|---|---------------|
| 8-5/8" - J-55 | 24# | 304' | 12-1/4" | To surface with 150 sx Class "G" cmt | |
| 5-1/2" - J-55 | 15.5# | 5740' | 7-7/8" | 325 sx Premiite II and 425 sx 50/50 Poz | |

29. LINER RECORD **30. TUBING RECORD**

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| | | | | | 2-7/8" | EOT @ 5471' | TA @ 5304' |

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

| INTERVAL | SIZE | SPF/NUMBER | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|--|------|------------|---------------------|---|
| (CP1,2) 540-47', 5388-5400' | .41" | 4/76 | 5340'-5400' | Frac w/ 60,085# 20/40 sand in 490 bbls fluid. |
| (A1,3) 4915-21', 4938-46' | .41" | 4/56 | 4915'-4946' | Frac w/ 49,671# 20/40 sand in 422 bbls fluid. |
| (B 1) 4732-4742' | .41" | 4/40 | 4732'-4342' | Frac w/ 24,191# 20/40 sand in 274 bbls fluid. |
| (C-sd,D3) 4617-26', 4643-50', 4657-64' | .41" | 4/92 | 4617'-4664' | Frac w/ 89,845# 20/40 sand in 489 bbls fluid. |
| (D2) 4523-26', 4532-38' | .41" | 4/36 | 4523'-4538' | Frac w/ 48,132# 20/40 sand in 409 bbls fluid. |

33.* PRODUCTION

| | | | | | | | |
|---------------------------------|---|--|--------------------------------|--------------|---------------|-------------------------|--------------------|
| DATE FIRST PRODUCTION 9/13/2004 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15.5' RHAC Pump | WELL STATUS (Producing or shut-in) PRODUCING | | | | | |
| DATE OF TEST 10 day ave | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD -----> | OIL--BBL. 84 | GAS--MCF. 342 | WATER--BBL. 38 | GAS-OIL RATIO 4071 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE -----> | OIL--BBL. | GAS--MCF. | WATER--BBL. | OIL GRAVITY-API (CORR.) | OCT 19 2004 |

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Brian Harris TITLE Engineering Technician DATE 10/14/2004
Brian Harris

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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

June 30, 2005

Newfield Production Company
Attn: Kelly L. Donohoue
1401 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Gentlemen:

The Sundance (Green River) Unit Agreement, Uintah County, Utah, was approved June 30, 2005. This agreement has been designated No. UTU82472X, and is effective July 1, 2005. The unit area embraces 11,143.86 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sundance (Green River) Unit will be covered by your nationwide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

| | | | |
|------------|-----------|-----------|-----------|
| UTU0075174 | UTU39713 | UTU65970* | UTU79013* |
| UTU16539* | UTU39714 | UTU74404 | UTU79014* |
| UTU16540 | UTU44429 | UTU74835 | UTU80915 |
| UTU17424* | UTU64806* | UTU74872* | UTU82205 |
| UTU18043 | UTU65969 | UTU75234 | |

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 228-08 are fully committed.

*Docket No
2005-009*

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

RECEIVED
JUL 07 2005

DIV. OF OIL, GAS & MINING

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Certification-Determination, signed by the School and Institutional Trust Land Administration for the State of Utah, is attached to the enclosed agreement. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Terry Catlin

Terry Catlin
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Mary Higgins w/enclosure
MMS - Data Management Division (Attn: James Sykes)
Trust Lands Administration
Division of Oil, Gas and Mining
Field Manager - Vernal w/enclosure
File - Sundance (Green River) Unit w/enclosure
Agr. Sec. Chron
Fluid Chron
Central Files

UT922:TAThompson:tt:06/30/2005

Entity Form 6

"C" Change from one existing entity to another existing entity

| API | Well | Sec | Twsp | Rng | Entity | Entity Eff Date |
|------------|------------------------|-----|------|------|----------------|-----------------|
| 4301316218 | CASTLE DRAW 16-10-9-17 | 10 | 090S | 170E | 8120 to 14844 | 9/20/2005 |
| 4301330568 | FEDERAL 8-10-9-17 | 10 | 090S | 170E | 8000 to 14844 | 9/20/2005 |
| 4301332502 | FEDERAL 9-10-9-17 | 10 | 090S | 170E | 14325 to 14844 | 9/20/2005 |
| 4301331593 | MON FED 11-11-9-17Y | 11 | 090S | 170E | 11904 to 14844 | 9/20/2005 |
| 4301332486 | FEDERAL 5-11-9-17 | 11 | 090S | 170E | 14285 to 14844 | 9/20/2005 |
| 4301332510 | FEDERAL 13-11-9-17 | 11 | 090S | 170E | 14273 to 14844 | 9/20/2005 |
| 4301332544 | FEDERAL 12-11-9-17 | 11 | 090S | 170E | 14613 to 14844 | 9/20/2005 |
| 4301332704 | FEDERAL 12-14-9-17 | 14 | 090S | 170E | 14786 to 14844 | 9/20/2005 |
| 4301331023 | FEDERAL 15-1-B | 15 | 090S | 170E | 10201 to 14844 | 9/20/2005 |
| | | | | | | |
| 4304734494 | FEDERAL 1-31-8-18 | 31 | 080S | 180E | 13927 to 14844 | 9/20/2005 |
| 4304734495 | FEDERAL 2-31-8-18 | 31 | 080S | 180E | 13959 to 14844 | 9/20/2005 |
| 4304734496 | FEDERAL 3-31-8-18 | 31 | 080S | 180E | 13915 to 14844 | 9/20/2005 |
| 4304734497 | FEDERAL 4-31-8-18 | 31 | 080S | 180E | 13942 to 14844 | 9/20/2005 |
| 4304734498 | FEDERAL 5-31-8-18 | 31 | 080S | 180E | 13898 to 14844 | 9/20/2005 |
| 4304734499 | FEDERAL 6-31-8-18 | 31 | 080S | 180E | 13960 to 14844 | 9/20/2005 |
| 4304734500 | FEDERAL 7-31-8-18 | 31 | 080S | 180E | 13925 to 14844 | 9/20/2005 |
| 4304734501 | FEDERAL 11-31-8-18 | 31 | 080S | 180E | 13924 to 14844 | 9/20/2005 |
| 4304734502 | FEDERAL 12-31-8-18 | 31 | 080S | 180E | 13958 to 14844 | 9/20/2005 |
| 4304734503 | FEDERAL 13-31-8-18 | 31 | 080S | 180E | 14324 to 14844 | 9/20/2005 |
| 4304734504 | FEDERAL 8-31-8-18 | 31 | 080S | 180E | 13961 to 14844 | 9/20/2005 |
| 4304734930 | FEDERAL 10-31-8-18 | 31 | 080S | 180E | 13986 to 14844 | 9/20/2005 |
| 4304734931 | FEDERAL 9-31-8-18 | 31 | 080S | 180E | 13963 to 14844 | 9/20/2005 |
| 4304731116 | NGC ST 33-32 | 32 | 080S | 180E | 6210 to 14844 | 9/20/2005 |
| 4304732500 | STATE 31-32 | 32 | 080S | 180E | 11645 to 14844 | 9/20/2005 |
| 4304732685 | SUNDANCE ST 5-32 | 32 | 080S | 180E | 11781 to 14844 | 9/20/2005 |
| 4304732740 | SUNDANCE ST 1-32R-8-18 | 32 | 080S | 180E | 11886 to 14844 | 9/20/2005 |
| 4304732741 | SUNDANCE ST 3-32 | 32 | 080S | 180E | 12059 to 14844 | 9/20/2005 |
| 4304732827 | SUNDANCE ST 4-32 | 32 | 080S | 180E | 12106 to 14844 | 9/20/2005 |
| 4304734458 | SUNDANCE 7-32-8-18 | 32 | 080S | 180E | 13987 to 14844 | 9/20/2005 |
| 4304734459 | SUNDANCE 8-32-8-18 | 32 | 080S | 180E | 14047 to 14844 | 9/20/2005 |
| 4304734460 | SUNDANCE 9-32-8-18 | 32 | 080S | 180E | 13988 to 14844 | 9/20/2005 |
| 4304734461 | SUNDANCE 11-32-8-18 | 32 | 080S | 180E | 13962 to 14844 | 9/20/2005 |
| 4304734462 | SUNDANCE 12-32-8-18 | 32 | 080S | 180E | 14031 to 14844 | 9/20/2005 |
| 4304734463 | SUNDANCE 13-32-8-18 | 32 | 080S | 180E | 13964 to 14844 | 9/20/2005 |
| 4304734464 | SUNDANCE 14-32-8-18 | 32 | 080S | 180E | 14046 to 14844 | 9/20/2005 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
http://www.epa.gov/region8

MAY 07 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Eric Sundberg
Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

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

Re: Final Permit
EPA UIC Permit UT21058-07132
Federal 13-11-9-17
Duchesne County, Utah
API No. 43-013-32510

RECEIVED
MAY 13 2008
DIV. OF OIL, GAS & MINING

Dear Mr. Sundberg:

9S 17E 11

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 13-11-9-17 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on MAY 01 2008. No comments on the Draft Permit were received during the Public Notice period; therefore, the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C Subpart 1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit.

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 312-6174.

Sincerely,



Stephen S. Taber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

- enclosure: Final UIC Permit
- Statement of Basis
- Form 7520-7 Application to Transfer Permit
- Form 7520-11 Monitoring Report
- Form 7520-12 Well Rework Record
- Form 7520-13 Plugging Record

- cc: Letter:
- Uintah & Ouray Business Committee, Ute Indian Tribe:
 - Curtis Cesspooch, Chairman
 - Irene Cuch, Vice-Chairwoman
 - Frances Poowegup, Councilwoman
 - Ronald Groves, Councilman
 - Phillip Chimburas, Councilman
 - Steven Cesspooch, Councilman

Chester Mills, Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

- cc: all enclosures:
- Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Felicia Myore
Acting Director
Energy & Minerals Dept.
Ute Indian Tribe

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources

Fluid Minerals Engineering Dept.
U.S. Bureau of Land Mangement
Vernal, Utah

bcc: Letter:





**UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT**

PREPARED: May 2008

Permit No. UT21058-07132

Class II Enhanced Oil Recovery Injection Well

**Federal 13-11-9-17
Duchesne County, UT**

Issued To

Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

| | |
|---|----------|
| PART I. AUTHORIZATION TO CONSTRUCT AND OPERATE | 2 |
| PART II. SPECIFIC PERMIT CONDITIONS | 3 |
| Section A. WELL CONSTRUCTION REQUIREMENTS | 3 |
| 1. Casing and Cement | 3 |
| 2. Injection Tubing and Packer | 3 |
| 3. Sampling and Monitoring Devices | 3 |
| 4. Well Logging and Testing | 4 |
| 5. Postponement of Construction or Conversion | 4 |
| 6. Workovers and Alterations | 4 |
| Section B. MECHANICAL INTEGRITY | 4 |
| 1. Demonstration of Mechanical Integrity (MI) | 5 |
| 2. Mechanical Integrity Test Methods and Criteria | 5 |
| 3. Notification Prior to Testing | 5 |
| 4. Loss of Mechanical Integrity | 5 |
| Section C. WELL OPERATION | 6 |
| 1. Requirements Prior to Commencing Injection | 6 |
| 2. Injection Interval | 6 |
| 3. Injection Pressure Limitation | 6 |
| 4. Injection Volume Limitation | 7 |
| 5. Injection Fluid Limitation | 7 |
| 6. Tubing-Casing Annulus (TCA) | 7 |
| Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS | 7 |
| 1. Monitoring Parameters, Frequency, Records and Reports | 7 |
| 2. Monitoring Methods | 7 |
| 3. Records Retention | 8 |
| 4. Annual Reports | 8 |
| Section E. PLUGGING AND ABANDONMENT | 8 |
| 1. Notification of Well Abandonment, Conversion or Closure | 9 |
| 2. Well Plugging Requirements | 9 |
| 3. Approved Plugging and Abandonment Plan | 9 |
| 4. Forty Five (45) Day Notice of Plugging and Abandonment | 9 |
| 5. Plugging and Abandonment Report | 9 |
| 6. Inactive Wells | 9 |

| | |
|--|------------|
| PART III. CONDITIONS APPLICABLE TO ALL PERMITS | 11 |
| Section A. EFFECT OF PERMIT | 11 |
| Section B. CHANGES TO PERMIT CONDITIONS | 11 |
| 1. Modification, Reissuance, or Termination | 11 |
| 2. Conversions | 11 |
| 3. Transfer of Permit | 11 |
| 4. Permittee Change of Address | 12 |
| 5. Construction Changes, Workovers, Logging and Testing Data | 12 |
| Section C. SEVERABILITY | 12 |
| Section D. CONFIDENTIALITY | 12 |
| Section E. GENERAL PERMIT REQUIREMENTS | 12 |
| 1. Duty to Comply | 12 |
| 2. Duty to Reapply | 13 |
| 3. Need to Halt or Reduce Activity Not a Defense | 13 |
| 4. Duty to Mitigate | 13 |
| 5. Proper Operation and Maintenance | 13 |
| 6. Permit Actions | 13 |
| 7. Property Rights | 13 |
| 8. Duty to Provide Information | 13 |
| 9. Inspection and Entry | 13 |
| 10. Signatory Requirements | 14 |
| 11. Reporting requirements | 14 |
| Section F. FINANCIAL RESPONSIBILITY | 15 |
| 1. Method of Providing Financial Responsibility | 15 |
| 2. Insolvency | 15 |
| | |
| APPENDIX A - WELL CONSTRUCTION REQUIREMENTS | A-1 |
| APPENDIX B - LOGGING AND TESTING REQUIREMENTS | B-1 |
| APPENDIX C - OPERATING REQUIREMENTS | C-1 |
| APPENDIX D - MONITORING AND REPORTING REQUIREMENTS | D-1 |
| APPENDIX E - PLUGGING AND ABANDONMENT REQUIREMENTS | E-1 |
| APPENDIX F - CORRECTIVE ACTION REQUIREMENTS | F-1 |

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Federal 13-11-9-17
660' FSL & 660' FWL, SWSW S11, T9S, R17E
Duchesne County, UT

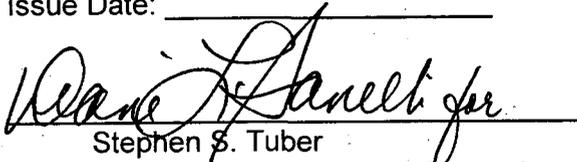
EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: MAY 07 2008

Effective Date MAY 12 2008



Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
 - (i) on the injection tubing; and
 - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
 - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
 - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permittee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

- (a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abandonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

- (a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.
- (d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
 - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
 - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurrence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website <http://www.nrc.uscg.mil/index.htm>.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

- (c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No. 13-11-9-17 was drilled to a total depth of 5750 feet (KB) in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 304 feet in a 12-1/4 inch hole using 150 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5740 feet (KB) in a 7-7/8 inch hole with 325 sacks of Premium Lite II and 425 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 890 feet from the surface. The Cement Bond Log (CBL) identifies top of cement at the surface. CBL analysis does not identify adequate 80% bond index cement bond within the Confining Zone.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3500 feet and the top of the Wasatch Formation (Estimated to be 5816 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

Federal 13-11-9-17

UT 21058-07132

Spud Date: 8/11/2004
 Put on Production: 9/13/2004
 GL: 5146' KB: 5158'

Initial Production: BOPID,
 MCFD, BWPD

Proposed Injection
 Wellbore Diagram

SURFACE CASING

CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (293.92')
 DEPTH LANDED: 303.92' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs Class "G" mixed emt, est 3 bbls emt to surf.

Base USDW's 2200'

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5741.89')
 DEPTH LANDED: 5739.89' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 325 sxs Prent-Lite II & 425 sxs 50/50 POZ mix.
 CEMENT TOP AT: Surface

*TOC/EPA 890'
 Green River 12171'*

*Tronz 2686'
 Mahogany bench 2732-499'*

TUBING

SIZE/GRADE/WT.: 2 7/8" J-55 16.5#
 NO. OF JOINTS: 163 jts (5292.81')
 TUBING ANCHOR: 5304.81' KB
 NO. OF JOINTS: 3 jts (97.68')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 5405.29' KB
 NO. OF JOINTS: 2 jts (65.13')
 TOTAL STRING LENGTH: EOT @ 5471.97' w/ 12' KB

80% Bond 3506-48

*3302-3500' Confining Zone
 3500' Garden Gulch*

4555' Douglas Creek

5277-5294' Castle Peak

*5691' Basal Carbonate
 Top of Fill & PPTD @ 5696'*

Est. Wasatch 5816'

FRAC JOB

09/07/04 5340-5400' **Frac CP1 and CP2 sands as follows:**
 60,085# 20/40 sand in 490 bbls lightning Frac 17 fluid. Treated @ avg press of 1180 psi w/avg rate of 24.9 BPM. ISIP 1550 psi. Calc flush: 5338 gal. Actual flush: 5338 gal.

09/07/04 4915-4946' **Frac A1 and A3 sands as follows:**
 49,671# 20/40 sand in 422 bbls lightning Frac 17 fluid. Treated @ avg press of 1995 psi w/avg rate of 25 BPM. ISIP 1575 psi. Calc flush: 4913 gal. Actual flush: 4914 gal.

09/07/04 4732-4742' **Frac B1 sands as follows:**
 24,191# 20/40 sand in 274 bbls lightning Frac 17 fluid. Treated @ avg press of 1840 psi w/avg rate of 24.8 BPM. ISIP 1750 psi. Calc flush: 4731 gal. Actual flush: 4771 gal.

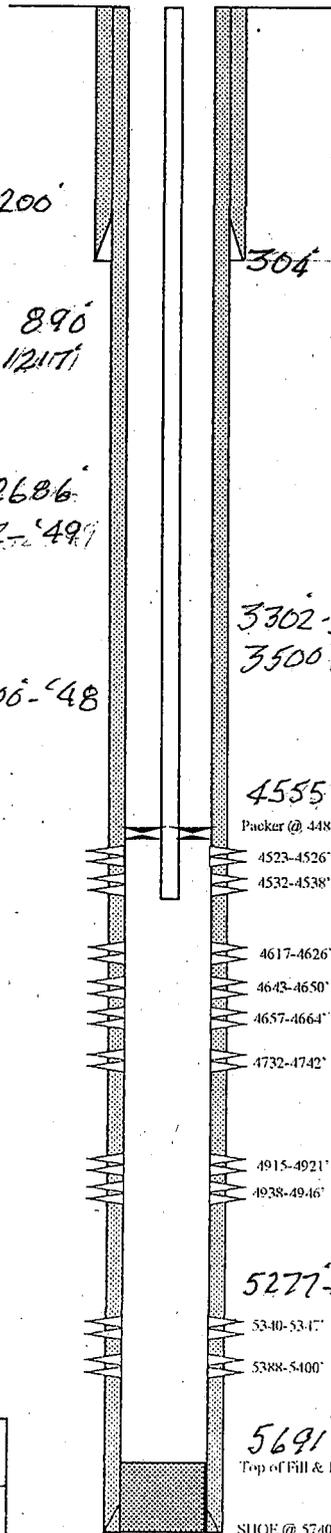
09/07/04 4617-4664' **Frac C and D3 sands as follows:**
 89,845# 20/40 sand in 650 bbls lightning Frac 17 fluid. Treated @ avg press of 1900 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4615 gal. Actual flush: 4658 gal.

09/07/04 4523-4538' **Frac D2 sands as follows:**
 48,132# 20/40 sand in 409 bbls lightning Frac 17 fluid. Treated @ avg press of 2210 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 4521 gal. Actual flush: 4435 gal.

12/1/05 Tubing leak. Update rod and tubing details.

PERFORATION RECORD

| Date | Interval | Tool | Holes |
|---------|------------|--------|----------|
| 8/31/04 | 5388-5400' | 4 JSPF | 48 holes |
| 8/31/04 | 5340-5347' | 4 JSPF | 28 holes |
| 9/07/04 | 4938-4946' | 4 JSPF | 32 holes |
| 9/07/04 | 4915-4921' | 4 JSPF | 24 holes |
| 9/07/04 | 4732-4742' | 4 JSPF | 40 holes |
| 9/07/04 | 4657-4664' | 4 JSPF | 28 holes |
| 9/07/04 | 4643-4650' | 4 JSPF | 28 holes |
| 9/07/04 | 4617-4626' | 4 JSPF | 36 holes |
| 9/07/04 | 4532-4538' | 4 JSPF | 24 holes |
| 9/07/04 | 4523-4526' | 4 JSPF | 12 holes |



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| <p>NEWFIELD</p> |
| <p>Federal 13-11-9-17</p> <p>660' FSL & 660' FVL</p> <p>SW/SW Section 11-T9S-R17E</p> <p>Duchesne Co. Utah</p> <p>API #13-013-32510 Lease #110475174</p> |

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

| | |
|--------------------------------------|--|
| WELL NAME: Federal 13-11-9-17 | |
| TYPE OF TEST | DATE DUE |
| Radioactive Tracer Survey (2) | Within a 180-day Limited Authorization to Inject period and at least once within a five year period following the last successful test. |
| Standard Annulus Pressure | Prior to receiving authorization to commence injection and at least once within a five (5) year period following the last successful test. |
| Pore Pressure | Prior to receiving authorization to commence injection. |

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

| WELL NAME | MAXIMUM ALLOWED INJECTION PRESSURE (psi) |
|--------------------|--|
| | ZONE 1 (Upper) |
| Federal 13-11-9-17 | 1,265 |

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

| WELL NAME: Federal 13-11-9-17 | APPROVED INJECTION INTERVAL (KB, ft) | | FRACTURE GRADIENT (psi/ft) |
|-------------------------------|--------------------------------------|--------|----------------------------|
| | TOP | BOTTOM | |
| | FORMATION NAME | | |
| Green River | 3,500.00 - 5,816.00 | | 0.720 |

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

| OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS | |
|--|---|
| OBSERVE AND RECORD | Injection pressure (psig) |
| | Annulus pressure(s) (psig) |
| | Injection rate (bbl/day) |
| | Fluid volume injected since the well began injecting (bbls) |

| ANNUALLY | |
|----------------|--|
| ANALYZE | Injected fluid total dissolved solids (mg/l) |
| | Injected fluid specific gravity |
| | Injected fluid specific conductivity |
| | Injected fluid pH |

| ANNUALLY | |
|---------------|--|
| REPORT | Each month's maximum and averaged injection pressures (psig) |
| | Each month's maximum and minimum annulus pressure(s) (psig) |
| | Each month's injected volume (bbl) |
| | Fluid volume injected since the well began injecting (bbl) |
| | Written results of annual injected fluid analysis |
| | Sources of all fluids injected during the year |

Records of all monitoring activities must be retained and made available for inspection at the following location:

Newfield Production Company
1401 Seventeenth Street - Suite 1000
Denver, CO 80202

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2635 feet to 2800 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 165-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2635 feet to 2800 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1165 feet - 1265 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1165 feet to 1265 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 354 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

Federal 13-11-9-17

Spud Date: 8/11/2004
 Put on Production: 9/13/2004
 GI: 5146' KB: 5158'

Initial Production: BOPD.
 MCFD. BWPD

Proposed P & A
 Wellbore Diagram

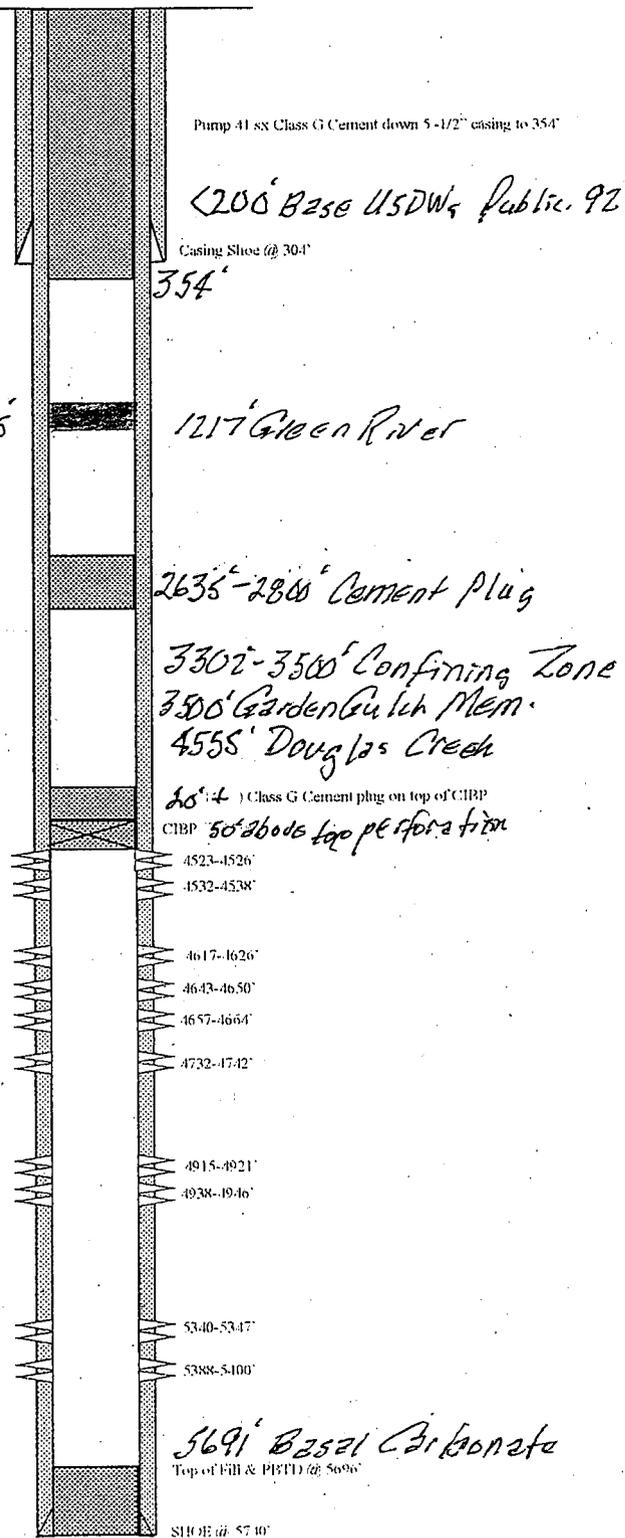
SURFACE CASING

CSG SIZE: 8 5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (293.92')
 DEPTH LANDED: 303.92' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 150 sxs Class "G" mixed emt, est 3 bbls emt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5741.89')
 DEPTH LANDED: 5739.89' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 325 sxs Prem. Lite II & 425 sxs 50/50 POZ. mix.
 CEMENT TOP AT: Surface

Cement Plug 1165'-1265'
Mahogany Bench 2732'-49'
80% Bond 3500'-3540'



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|--|
| <p>NEWFIELD</p> |
| <p>Federal 13-11-9-17</p> <p>660' FSL & 660' FWL</p> <p>SW/SW Section 11-T9S-R17E</p> <p>Duchesne Co, Utah</p> <p>API #43-013-32510; Lease #UTU-075174</p> |

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY

**FEDERAL 13-11-9-17
DUCHESNE COUNTY, UT**

EPA PERMIT NO. UT21058-07132

CONTACT: Emmett Schmitz
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
1595 Wynkoop Street
Denver, Colorado 80202-1129
Telephone: 1-800-227-8917 ext. 312-6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company
1401 Seventeenth Street, Suite 1000
Denver, CO 80202

on

February 21, 2006

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 13-11-9-17
660' FSL & 660' FWL, SWSW S11, T9S, R17E
Duchesne County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

The Federal No. 13-11-9-17 is currently an active Green River Formation oil well with open perforations in the Douglas Creek Member. It is the initial intent of the applicant to use the current perforations for Class II enhanced recovery injection. The Federal No. 13-11-9-17 has total depth in the Basal Carbonate Member.

TABLE 1.1
WELL STATUS / DATE OF OPERATION

NEW WELLS

| Well Name | Well Status | Date of Operation |
|--------------------|--------------------|--------------------------|
| Federal 13-11-9-17 | New | N/A |

PART II. Permit Considerations (40 CFR 146.24)

Hydrogeologic Setting

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uinta Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formation and the Douglas Creek Member of the Green River Formation contain an aquifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta Formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of the aquifer, and discharge occurs near the White and Green Rivers (from USGS publication HA 730-C). Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field, T7-9S and R15-19E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63 MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the climatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uintah Formation outcrop and compose the surface rock throughout the area. The lower 600 feet to 800 feet of the Uinta Formation, consisting generally of shale interbedded with occasionally water-bearing sandstone lenses between 5 feet to 20 feet thick, is underlain by the Green River Formation. The

Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone deposits that intertongue with the Green River sediments are of the Colton and Wasatch Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200 feet per mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 ft to 6 ft wide but up to 28 ft wide, may extend many miles in length and occasionally extend as deep as 2000 ft. In this area within the Greater Monument Butte Field there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2000 ft, far above the protective confining layer and much deeper injection zone. Newfield and the owner of this former gilsonite mine have agreed to conditions for operation near this vein to ensure no potential for impact to this vein or to ground water from enhanced oil recovery operations.

TABLE 2.1
GEOLOGIC SETTING
Federal 13-11-9-17

| Formation Name | Top (ft) | Base (ft) | TDS (mg/l) | Lithology |
|-------------------------------------|----------|-----------|------------|---|
| Uinta | 0 | 1,217 | < 10,000 | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. |
| Green River: Trona | 2,686 | 2,732 | | Evaporite |
| Green River: Mahogany Bench | 2,732 | 2,749 | | Oil shale |
| Green River: Confining Zone | 3,302 | 3,500 | | Predominantly shale with interbedded impervious/argillaceous sand/silt. |
| Green River: Garden Gulch Member | 3,500 | 4,555 | | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. |
| Green River: Douglas Creek Member | 4,555 | 5,691 | > 10,000 | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. |
| Green nRiver: Basal Carbonae Member | 5,691 | 5,816 | | Carbonate |

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The Environmental Protection Agency (EPA) approved interval for Class enhanced recovery injection in the Federal No. 13-11-9-17 is located between the top of the Garden Gulch Member (3500 feet) and the top of the Wasatch Formation estimated to be 5816 feet.

**TABLE 2.2
INJECTION ZONES
Federal 13-11-9-17**

| Formation Name | Top (ft) | Base (ft) | TDS (mg/l) | Fracture Gradient (psi/ft) | Porosity | Exempted?* |
|----------------|----------|-----------|------------|----------------------------|----------|------------|
| Green River | 3,500 | 5,816 | > 10,000 | 0.720 | | N/A |

* C - Currently Exempted
 E - Previously Exempted
 P - Proposed Exemption
 N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The 198-foot shale and impervious argillaceous silt/sand Confining Zone (3302 feet - 3500 feet) overlies the top of the Garden Gulch Member. There is no 80% bond index cement bond within the Confining Zone.

**TABLE 2.3
CONFINING ZONES
Federal 13-11-9-17**

| Formation Name | Formation Lithology | Top (ft) | Base (ft) |
|-----------------------------|---|----------|-----------|
| Green River: Confining Zone | Shale with interbedded argillaceous/impervious sand/silt. | 3,302 | 3,500 |

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit total dissolved solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional 'freshening' is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

The State of Utah "Water Wells and Springs" identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Federal No. 13-11-9-17.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation approximately 200 feet from the surface. Absent definitive information relative to the water quality of the Uinta Formation, from the depth of 200 feet to the base of the Uinta Formation (1217 feet), the EPA will require during plugging and abandonment a cement plug across the base of the Uinta Formation.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Federal 13-11-9-17

| Formation Name | Formation Lithology | Top (ft) | Base (ft) | TDS (mg/l) |
|----------------|---|----------|-----------|------------|
| Uinta | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. | 0 | 1,217 | < 10,000 |

PART III. Well Construction (40 CFR 146.22)

The Federal No. 13-11-9-17 was drilled to a total depth of 5750 feet (KB) feet in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 304 feet in a 12-1/4 inch hole using 150 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5740 feet (KB) in a 7-7/8 inch hole with 325 sacks of Premium Lite II and 425 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 890 feet from the surface. The Cement Bond Log (CBL) identifies top of cement at the surface. CBL analysis does not identify adequate 80% bond index cement bond within the Confining Zone.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3500 feet and the top of the Wasatch Formation (Estimated to be 5816 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Federal 13-11-9-17

| Casing Type | Hole Size (in) | Casing Size (in) | Cased Interval (ft) | Cemented Interval (ft) |
|-------------|----------------|------------------|---------------------|------------------------|
| Production | 7.88 | 5.50 | 0 - 5,740 | 0 - 5,740 |
| Suturface | 12.25 | 8.63 | 0 - 304 | 0 - 304 |

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

Ther tubing/casing annulus must be kept closed at all times so that it can be monitored as required under conditions of the Permit.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

**TABLE 4.1
AOR AND CORRECTIVE ACTION**

| Well Name | Type | Status (Abandoned Y/N) | Total Depth (ft) | TOC Depth (ft) | CAP Required (Y/N) |
|----------------------------|----------|---------------------------|---------------------|-------------------|-----------------------|
| Castle Draw No. 16-10-9-17 | Producer | No | 6,034 | 0 | No |
| Federal No. 14-11-9-17 | Producer | No | 5,750 | 310 | No |
| Federal No. 4-14-9-17 | Producer | No | 5,646 | 150 | No |

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

PART V. Well Operation Requirements (40 CFR 146.23)

**TABLE 5.1
INJECTION ZONE PRESSURES
Federal 13-11-9-17**

| Formation Name | Depth Used to Calculate MAIP (ft) | Fracture Gradient (psi/ft) | Initial MAIP (psi) |
|----------------|---|----------------------------------|-----------------------|
| Green River | 4,523 | 0.720 | 1,265 |

Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

The proposed injectate will be a blend of culinary-quality water from the Johnson Water District reservoir and/or Green River pipeline, and Green River Formation water produced from wells proximate to the Federal No. 13-11-9-17.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

- FP = formation fracture pressure (measured at surface)
- fg = fracture gradient (from submitted data or tests)
- sg = specific gravity (of injected fluid)
- d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative fluid or the daily volume of authorized fluid to be injected into the approved Green River Formation interval. The Permittee will not exceed the maximum authorized injection pressure (MAIP).

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and

periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, which ever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

PART II MI: The CBL indicates that cement does not meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% bond, or better) through the Confining Zone. Therefore, further testing for Part II MI will be required prior to injection and at least once every five years thereafter. The demonstration shall be by Temperature Survey or other approved test. Approved tests for demonstrating Part II MI include a Temperature Survey, Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the

person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2635 feet to 2800 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 165-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2635 feet to 2800 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1165 feet - 1265 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1165 feet to 1265 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 354 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Financial Statement that has been reviewed and approved by the EPA January 9, 2008.

Financial Statement, received April 22, 2005

Evidence of continuing financial responsibility is required to be submitted to the Director annually.



United States Environmental Protection Agency
Washington, DC 20460

Application To Transfer Permit

Name and Address of Existing Permittee

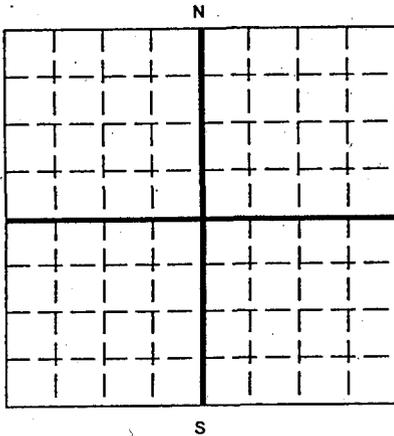
Name and Address of Surface Owner

Locate Well and Outline Unit on
Section Plat - 640 Acres

State

County

Permit Number



Surface Location Description

___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township ___ Range ___

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location ___ ft. frm (N/S) ___ Line of quarter section
and ___ ft. from (E/W) ___ Line of quarter section.

| Well Activity | Well Status | Type of Permit |
|-------------------------|-----------------------------|---------------------|
| ___ Class I | ___ Operating | ___ Individual |
| ___ Class II | ___ Modification/Conversion | ___ Area |
| ___ Brine Disposal | ___ Proposed | Number of Wells ___ |
| ___ Enhanced Recovery | | |
| ___ Hydrocarbon Storage | | |
| ___ Class III | | |
| ___ Other | | |
| Lease Number | Well Number | |

Name(s) and Address(es) of New Owner(s)

Name and Address of New Operator

Attach to this application a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them.

The new permittee must show evidence of financial responsibility by the submission of a surety bond, or other adequate assurance, such as financial statements or other materials acceptable to the Director.

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Signature

Date Signed

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-075174

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
SUNDANCE UNIT

1. TYPE OF WELL:
OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
FEDERAL 13-11-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332510

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

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FSL 660 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 11, T9S, R17E

STATE: UT

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: 07/21/2008 | <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 checked="" 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: - Injection Conversion |
| | <input checked="" 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.

On 7/23/08 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 7/24/08. On 7/24/08 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 300 psig during the test. There was not an EPA representative available to witness the test.
EPA# U21058-07132 API# 43-013-32510

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

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE *Callie Ross*

DATE 08/06/2008

(This space for State use only)

RECEIVED

AUG 11 2008

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7/24/08
 Test conducted by: Trefley J. Ruzza
 Others present: _____

| | | |
|---|-----------------------------------|-------------------------|
| Well Name: <u>Fed. 13-11-9-17</u> | Type: <u>ER SWD</u> | Status: <u>AC TA UC</u> |
| Field: <u>MONUMENT BUTTE</u> | | |
| Location: <u>SU1/SW Sec 11 T 9 N 15 R 17 E W</u> County: <u>Duchesne</u> State: <u>UT</u> | | |
| Operator: <u>Newfield</u> | | |
| Last MIT: <u>1/1</u> | Maximum Allowable Pressure: _____ | PSIG |

Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

| MIT DATA TABLE | Test #1 | Test #2 | Test #3 |
|---|---|---|---|
| TUBING PRESSURE | | | |
| Initial Pressure | <u>300</u> psig | psig | psig |
| End of test pressure | <u>300</u> psig | psig | psig |
| CASING / TUBING ANNULUS PRESSURE | | | |
| 0 minutes | <u>1200</u> psig | psig | psig |
| 5 minutes | <u>1200</u> psig | psig | psig |
| 10 minutes | <u>1200</u> psig | psig | psig |
| 15 minutes | <u>1200</u> psig | psig | psig |
| 20 minutes | <u>1200</u> psig | psig | psig |
| 25 minutes | <u>1200</u> psig | psig | psig |
| 30 minutes | <u>1200</u> psig | psig | psig |
| _____ minutes | — psig | psig | psig |
| _____ minutes | — psig | psig | psig |
| RESULT | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? Yes No

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

Daily Activity Report

Format For Sundry

FEDERAL 13-11-9-17

5/1/2008 To 9/30/2008

7/17/2008 Day: 1**Conversion**

Basin #2 Swabbing on 7/16/2008 - MIRU Basin #2. RU HO trk & pump 70 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 40 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 12 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. LD 36 rods. PU polished rod & SIFN.

7/18/2008 Day: 2**Conversion**

Basin #2 Swabbing on 7/17/2008 - Con't TOH & LD rod string and pump. Re-flushed rods W/ 40 BW on TOH. ND wellhead & release TA @ 5359'. NU BOP. TOH & talley production tbg. LD btm 31 jts and BHA. Flushed tbg W/ 30 BW on TOH. MU & TIH W/ pkr & injection string to 1400'. SIFN.

7/19/2008 Day: 3**Conversion**

Basin #2 Swabbing on 7/18/2008 - Con't TIH W/ injection string f/ 1400' (complete as follows): new Weatherford 5 1/2" Arrowset 1-X pkr (W/ hardened steel slips & W.L. re-entry guide), new SN & 138 jts 2 7/8 8rd 6.5# J-55 tbg. RU HO trk & pump 10 bbl pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & repressured several times. Final test held 3000 psi for 30 minutes. RIH W/ overshot on sandline. Pulled stem out of standing valve. TOH W/ tbg & recover standing valve. Pkr elements are gouged. MU new pkr & TIH W/ injection string (same as pulled). SIFN.

7/22/2008 Day: 4**Conversion**

Basin #2 Swabbing on 7/21/2008 - RU HO trk to tbg & flush W/ 20 BW. Drop standing valve & pump to SN. Pressure up on tbg to 3000 psi. Lost all pressure. Pump 40 BW dn tbg W/ no pressure. TOH W/ tbg. Found split in jt #100. LD jt. RIH W/ tbg testing to 3500 psi each 20 jts. PU replacement jt on top. All tbg tested. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8625 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4488', CE @ 4492' & EOT @ 4496'. Land tbg W/ 16,000# tension. NU wellhead. Pressure test casing & pkr to 1400 psi. Held solid for 30 minutes. RDMOSU. Well ready for MIT.

7/25/2008 Day: 5**Conversion**

Rigless on 7/24/2008 - On 7/23/08 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well (Fed 13-11-9-17). Permission was given at that time to perform the test on 7/24/08. On 7/24/08 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 300 psig during the test. There was not an EPA representative available to witness the test. EPA# U21058-07132 API# 43-013-32510



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUG 21 2008

RECEIVED
SEP 02 2008
DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3 - Box 3630
Myton, Utah 84052

95 17E 11

RE: **180-Day Limited Authorization to Inject**
Federal No. 13-11-9-17
EPA Permit No. UT21058-07132
Duchesne County, Utah
API No. 43-013-32510

Dear Mr. Guinn:

The Newfield Production Company (Newfield) letter with attached information was received by the Environmental Protection Agency (EPA), Region 8, on August 11, 2008. The submittal satisfactorily completed the **Prior to Commencing Injection** requirements for Final Class II Underground Injection Control Permit UT21058-07132, effective May 12, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form 7520-12), Schematic Diagram, and calculated pore pressure were reviewed and approved by the EPA August 13, 2008.

As of the date of this letter, Newfield is authorized to commence injection into Federal No. 13-11-9-17 at a maximum allowable injection pressure (MAIP) of **1265 psig** for a limited period of time.



Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index through the confining zone above the injection zone, Newfield is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within a 180-day period from the date that injection begins. Approved tests include Temperature Survey, Noise Log or Oxygen Activation Log, and Region 8 may accept results of a Radioactive Tracer Survey. The Part II MIT shall be demonstrated at least once every five years. This 180-day period allows time for injection pressure to elevate prior to demonstrating Part II MI, which is necessary because it may be under pressured from previous oil production, and the Part II tests rely on elevated formation pressure.

Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. Please note that the maximum pressure used during the Part II MI test may become the new MAIP because Part II MI was demonstrated at that pressure. Therefore, it may be advantageous to run a Step-Rate Test prior to conducting the Part II MI test. Should Newfield apply for an increase to the MAIP at a later date, the demonstration of Part II MI must also be conducted at that time.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT21085-07132 for the Federal No. 13-11-9-17 injection well.

If you have any questions regarding the above action, please call Emmett Schmitz at 1-800-227-8917 (Ext. 312-6174), or 303-312-6174.

Results from the Part II MI test, should be mailed directly to the **ATTENTION: MARGO SMITH**, at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



Stephen S. Tuber
Assistant Regional Administrator
Office Of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee, Ute Indian Tribe:
Curtis Cesspooch, Chairman
Irene Cuch, Vice-Chairman
Frances Poowegup, Councilwoman
Shaun Chapoose, Councilman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Ronald Groves, Councilman

Elaine Willie
Gap Coordinator
Ute Indian Tribe

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Larry Love
Director
Energy & Minerals Dept.
Ute Indian Tribe

Daniel Picard
Superintendent
Uintah & Ouray Indian Agency
U.S. Bureau of Indian Affairs

Gilbert Hunt
Assistant Director
State of Utah - Natural Resources
Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, Utah

Eric Sundberg
Regulatory Analyst
Newfield Production Company
Denver, CO

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-075174

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
SUNDANCE UNIT

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

8. WELL NAME and NUMBER:
FEDERAL 13-11-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332510

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FSL 660 FWL COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 11, T9S, R17E STATE: UT

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>10/01/2008</u> | <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 type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____ | <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 type="checkbox"/> OTHER: - |
| | <input checked="" 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 reference well was put on injection at 8:00 AM on 9-30-08.

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

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager

SIGNATURE *Kathy Chapman* DATE 10/02/2008

(This space for State use only)

RECEIVED
OCT 06 2008
DIV. OF OIL, GAS & MINING

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. USA UTU-075174 |
| 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 SUNDANCE UNIT |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 FSL 660 FWL SWSW Section 11 T9S R17E | | 8. Well Name and No. FEDERAL 13-11-9-17 |
| | | 9. API Well No. 4301332510 |
| | | 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 | Step Rate Test _____ |
| | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | _____ |

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

A step rate test was conducted on the subject well on February 10, 2009. Results from the test indicate that the fracture gradient is .731 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1315 psi.

**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) Chevenne Bateman | Title Well Analyst Foreman |
| Signature | Date 02/18/2009 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

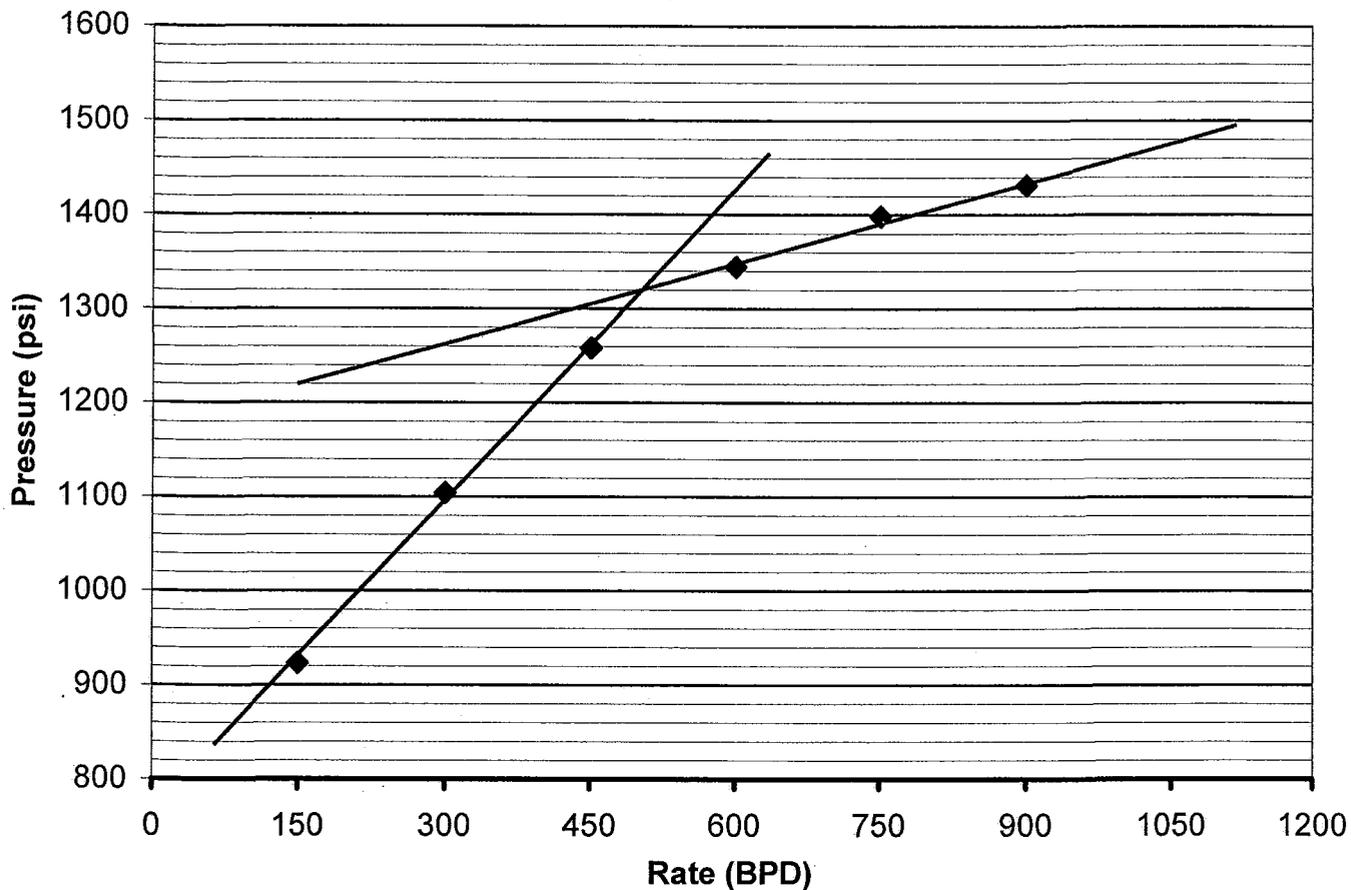
(Instructions on page 2)

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DIV. OF OIL, GAS & MINING

Federal 13-11-9-17
 Sundance Unit
 Step Rate Test
 February 10, 2009



Start Pressure: 770 psi
 Instantaneous Shut In Pressure (ISIP): 1369 psi
 Top Perforation: 4523 feet
 Fracture pressure (Pfp): 1320 psi
 FG: 0.731 psi/ft

| Step | Rate(bpd) | Pressure(psi) |
|------|-----------|---------------|
| 1 | 150 | 923 |
| 2 | 300 | 1104 |
| 3 | 450 | 1258 |
| 4 | 600 | 1344 |
| 5 | 750 | 1398 |
| 6 | 900 | 1431 |

PSIA

Absolute Pressure

Federal 13-11-9-17 SRT (2-10-09)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA

1800

1500

1200

900

600

300

1800

1500

1200

900

600

300

07:45:58 AM
Feb 10, 2009
MST

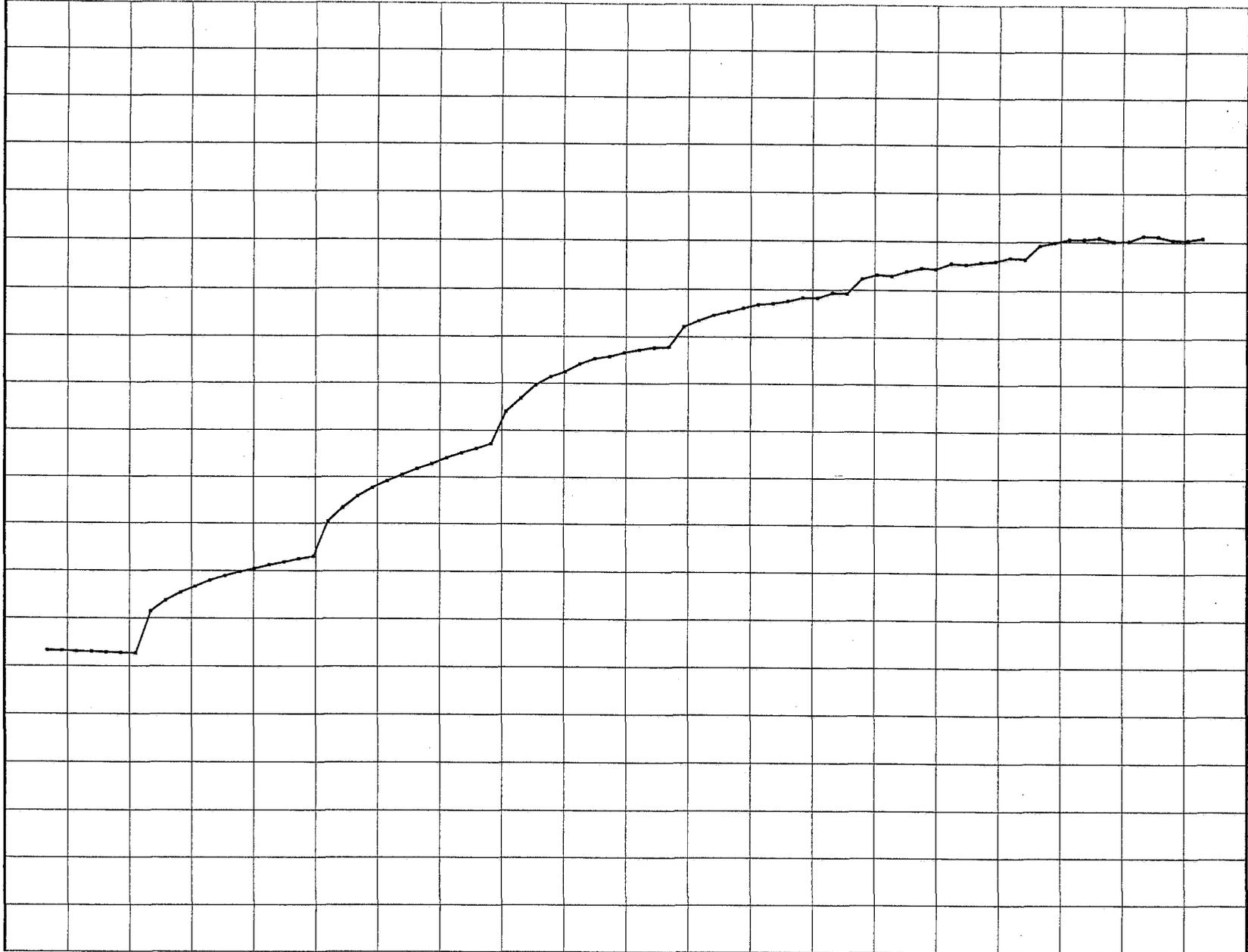
09:09:47 AM
Feb 10, 2009
MST

10:33:36 AM
Feb 10, 2009
MST

11:57:24 AM
Feb 10, 2009
MST

01:21:13 PM
Feb 10, 2009
MST

02:45:02 PM
Feb 10, 2009
MST



Report Name: PrTemp1000 Data Table
 Report Date: Feb 11, 2009 05:33:22 PM MST
 File Name: S:\Wellinfo\PTC@ Instruments 2.00\Federal 13-11-9-17 SRT (2-10-09).csv
 Title: Federal 13-11-9-17 SRT (2-10-09)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Feb 10, 2009 08:00:00 AM MST
 Data End Date: Feb 10, 2009 02:29:59 PM MST
 Reading Rate: 1 Minute
 Readings: 1 to 79 of 79
 Last Calibration Date: May 21, 2008
 Next Calibration Date: May 21, 2009

| <u>Reading</u> | <u>Date and Time (MST)</u> | <u>Absolute Pressure</u> | <u>Annotation</u> |
|----------------|----------------------------|--------------------------|-------------------|
| 1 | Feb 10, 2009 08:00:00 AM | 774.800 | PSIA |
| 2 | Feb 10, 2009 08:05:00 AM | 774.200 | PSIA |
| 3 | Feb 10, 2009 08:09:59 AM | 773.200 | PSIA |
| 4 | Feb 10, 2009 08:14:59 AM | 772.800 | PSIA |
| 5 | Feb 10, 2009 08:20:00 AM | 771.800 | PSIA |
| 6 | Feb 10, 2009 08:24:59 AM | 771.000 | PSIA |
| 7 | Feb 10, 2009 08:29:59 AM | 770.400 | PSIA |
| 8 | Feb 10, 2009 08:34:59 AM | 835.600 | PSIA |
| 9 | Feb 10, 2009 08:40:00 AM | 852.600 | PSIA |
| 10 | Feb 10, 2009 08:45:00 AM | 865.400 | PSIA |
| 11 | Feb 10, 2009 08:49:59 AM | 874.400 | PSIA |
| 12 | Feb 10, 2009 08:54:59 AM | 884.400 | PSIA |
| 13 | Feb 10, 2009 08:59:59 AM | 891.600 | PSIA |
| 14 | Feb 10, 2009 09:05:00 AM | 898.000 | PSIA |
| 15 | Feb 10, 2009 09:09:59 AM | 903.200 | PSIA |
| 16 | Feb 10, 2009 09:14:59 AM | 909.200 | PSIA |
| 17 | Feb 10, 2009 09:20:00 AM | 913.600 | PSIA |
| 18 | Feb 10, 2009 09:25:00 AM | 918.800 | PSIA |
| 19 | Feb 10, 2009 09:29:59 AM | 922.800 | PSIA |
| 20 | Feb 10, 2009 09:35:00 AM | 978.800 | PSIA |
| 21 | Feb 10, 2009 09:40:00 AM | 1000.800 | PSIA |
| 22 | Feb 10, 2009 09:44:59 AM | 1018.800 | PSIA |
| 23 | Feb 10, 2009 09:50:00 AM | 1032.400 | PSIA |
| 24 | Feb 10, 2009 09:54:59 AM | 1043.600 | PSIA |
| 25 | Feb 10, 2009 09:59:59 AM | 1053.600 | PSIA |
| 26 | Feb 10, 2009 10:05:00 AM | 1063.400 | PSIA |
| 27 | Feb 10, 2009 10:09:59 AM | 1071.000 | PSIA |
| 28 | Feb 10, 2009 10:14:59 AM | 1080.800 | PSIA |
| 29 | Feb 10, 2009 10:19:59 AM | 1088.400 | PSIA |
| 30 | Feb 10, 2009 10:24:59 AM | 1096.000 | PSIA |
| 31 | Feb 10, 2009 10:29:59 AM | 1103.800 | PSIA |
| 32 | Feb 10, 2009 10:34:59 AM | 1155.000 | PSIA |
| 33 | Feb 10, 2009 10:39:59 AM | 1176.400 | PSIA |
| 34 | Feb 10, 2009 10:44:59 AM | 1197.000 | PSIA |
| 35 | Feb 10, 2009 10:49:59 AM | 1210.400 | PSIA |
| 36 | Feb 10, 2009 10:54:59 AM | 1218.600 | PSIA |
| 37 | Feb 10, 2009 10:59:59 AM | 1231.000 | PSIA |
| 38 | Feb 10, 2009 11:04:59 AM | 1239.800 | PSIA |
| 39 | Feb 10, 2009 11:10:00 AM | 1243.400 | PSIA |
| 40 | Feb 10, 2009 11:14:59 AM | 1249.600 | PSIA |
| 41 | Feb 10, 2009 11:19:59 AM | 1254.200 | PSIA |
| 42 | Feb 10, 2009 11:24:59 AM | 1257.600 | PSIA |
| 43 | Feb 10, 2009 11:29:59 AM | 1258.400 | PSIA |
| 44 | Feb 10, 2009 11:34:59 AM | 1290.800 | PSIA |
| 45 | Feb 10, 2009 11:39:59 AM | 1300.600 | PSIA |
| 46 | Feb 10, 2009 11:44:59 AM | 1309.000 | PSIA |
| 47 | Feb 10, 2009 11:49:59 AM | 1314.400 | PSIA |
| 48 | Feb 10, 2009 11:54:59 AM | 1320.600 | PSIA |
| 49 | Feb 10, 2009 11:59:59 AM | 1326.000 | PSIA |
| 50 | Feb 10, 2009 12:04:59 PM | 1328.000 | PSIA |
| 51 | Feb 10, 2009 12:09:59 PM | 1331.600 | PSIA |
| 52 | Feb 10, 2009 12:14:59 PM | 1337.400 | PSIA |
| 53 | Feb 10, 2009 12:19:59 PM | 1337.000 | PSIA |
| 54 | Feb 10, 2009 12:25:01 PM | 1345.000 | PSIA |
| 55 | Feb 10, 2009 12:29:59 PM | 1344.000 | PSIA |
| 56 | Feb 10, 2009 12:34:59 PM | 1367.600 | PSIA |
| 57 | Feb 10, 2009 12:39:59 PM | 1373.800 | PSIA |
| 58 | Feb 10, 2009 12:44:59 PM | 1372.000 | PSIA |
| 59 | Feb 10, 2009 12:49:59 PM | 1379.200 | PSIA |
| 60 | Feb 10, 2009 12:54:59 PM | 1384.400 | PSIA |

| | | | |
|----|--------------------------|----------|------|
| 61 | Feb 10, 2009 12:59:59 PM | 1383.200 | PSIA |
| 62 | Feb 10, 2009 01:04:59 PM | 1391.800 | PSIA |
| 63 | Feb 10, 2009 01:10:00 PM | 1390.200 | PSIA |
| 64 | Feb 10, 2009 01:15:01 PM | 1393.400 | PSIA |
| 65 | Feb 10, 2009 01:19:59 PM | 1395.200 | PSIA |
| 66 | Feb 10, 2009 01:24:59 PM | 1400.800 | PSIA |
| 67 | Feb 10, 2009 01:29:59 PM | 1398.400 | PSIA |
| 68 | Feb 10, 2009 01:34:59 PM | 1419.200 | PSIA |
| 69 | Feb 10, 2009 01:39:59 PM | 1423.800 | PSIA |
| 70 | Feb 10, 2009 01:44:59 PM | 1428.400 | PSIA |
| 71 | Feb 10, 2009 01:49:59 PM | 1428.400 | PSIA |
| 72 | Feb 10, 2009 01:54:59 PM | 1430.800 | PSIA |
| 73 | Feb 10, 2009 01:59:59 PM | 1425.600 | PSIA |
| 74 | Feb 10, 2009 02:04:59 PM | 1426.200 | PSIA |
| 75 | Feb 10, 2009 02:09:59 PM | 1434.000 | PSIA |
| 76 | Feb 10, 2009 02:15:00 PM | 1433.000 | PSIA |
| 77 | Feb 10, 2009 02:19:59 PM | 1428.000 | PSIA |
| 78 | Feb 10, 2009 02:24:59 PM | 1427.800 | PSIA |
| 79 | Feb 10, 2009 02:29:59 PM | 1430.600 | PSIA |

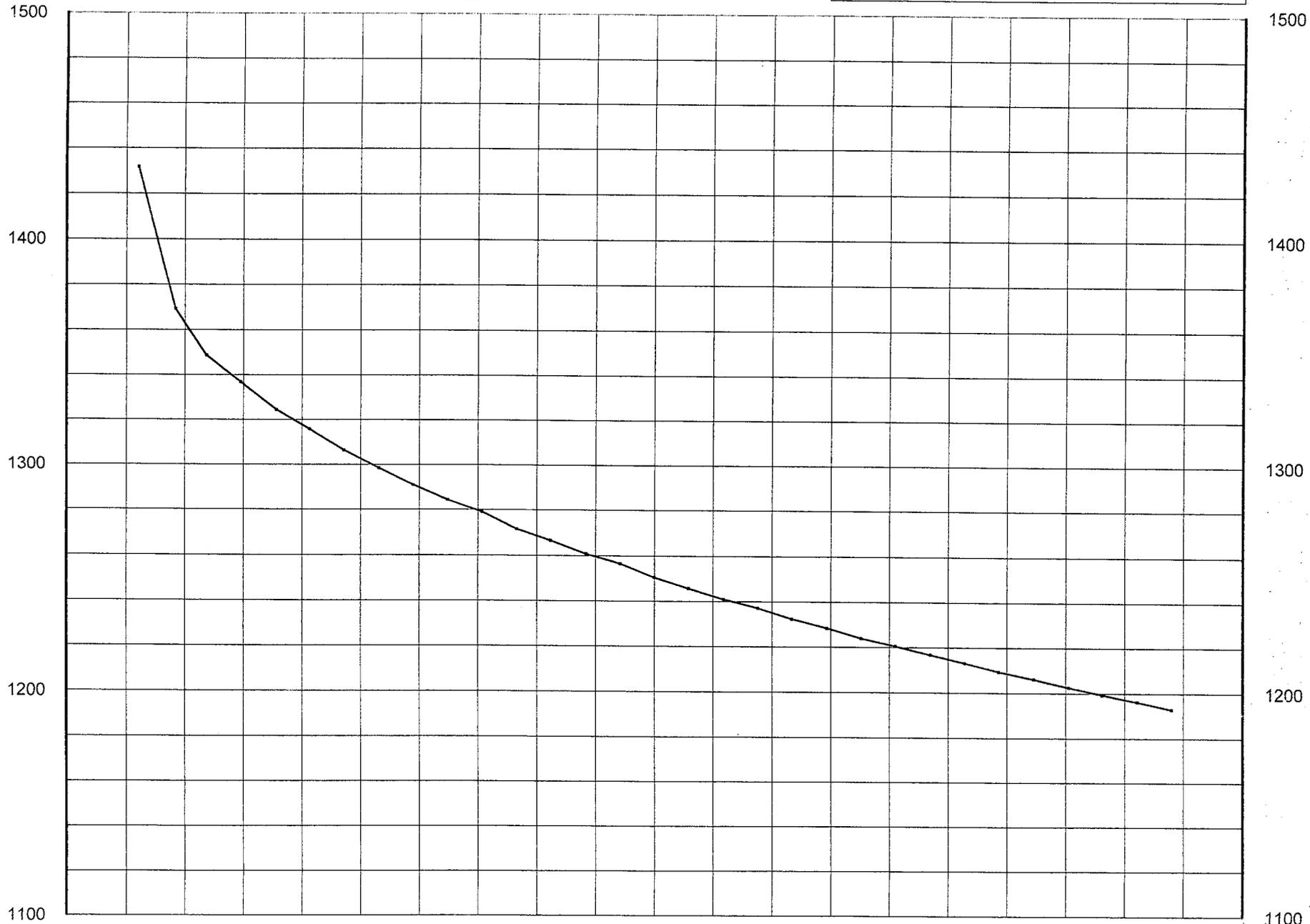
Federal 13-11-9-17 ISIP (2-10-09)

| | |
|---------------|--------------|
| Device | - PrTemp1000 |
| Serial Number | - M75866 |
| Device ID | - PrTemp |

PSIA

| | |
|-------------------|---|
| Absolute Pressure | — |
|-------------------|---|

PSIA



02:28:11 PM
Feb 10, 2009
MST

02:36:42 PM
Feb 10, 2009
MST

02:45:14 PM
Feb 10, 2009
MST

02:53:45 PM
Feb 10, 2009
MST

03:02:17 PM
Feb 10, 2009
MST

Report Name: PrTemp1000 Data Table
 Report Date: Feb 11, 2009 05:33:13 PM MST
 File Name: S:\Welinfo\PTC@ Instruments 2.00\Federal 13-11-9-17 ISIP (2-10-09).csv
 Title: Federal 13-11-9-17 ISIP (2-10-09)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Feb 10, 2009 02:30:14 PM MST
 Data End Date: Feb 10, 2009 03:00:14 PM MST
 Reading Rate: 1 Minute
 Readings: 1 to 31 of 31
 Last Calibration Date: May 21, 2008
 Next Calibration Date: May 21, 2009

| <u>Reading</u> | <u>Date and Time (MST)</u> | <u>Absolute Pressure</u> | <u>Annotation</u> |
|----------------|----------------------------|--------------------------|-------------------|
| 1 | Feb 10, 2009 02:30:14 PM | 1431.800 | PSIA |
| 2 | Feb 10, 2009 02:31:19 PM | 1369.200 | PSIA |
| 3 | Feb 10, 2009 02:32:13 PM | 1348.600 | PSIA |
| 4 | Feb 10, 2009 02:33:13 PM | 1336.800 | PSIA |
| 5 | Feb 10, 2009 02:34:15 PM | 1324.400 | PSIA |
| 6 | Feb 10, 2009 02:35:13 PM | 1315.800 | PSIA |
| 7 | Feb 10, 2009 02:36:13 PM | 1306.400 | PSIA |
| 8 | Feb 10, 2009 02:37:14 PM | 1298.400 | PSIA |
| 9 | Feb 10, 2009 02:38:14 PM | 1291.000 | PSIA |
| 10 | Feb 10, 2009 02:39:14 PM | 1284.400 | PSIA |
| 11 | Feb 10, 2009 02:40:14 PM | 1279.000 | PSIA |
| 12 | Feb 10, 2009 02:41:14 PM | 1271.600 | PSIA |
| 13 | Feb 10, 2009 02:42:13 PM | 1266.600 | PSIA |
| 14 | Feb 10, 2009 02:43:15 PM | 1260.800 | PSIA |
| 15 | Feb 10, 2009 02:44:14 PM | 1256.600 | PSIA |
| 16 | Feb 10, 2009 02:45:13 PM | 1250.600 | PSIA |
| 17 | Feb 10, 2009 02:46:13 PM | 1245.800 | PSIA |
| 18 | Feb 10, 2009 02:47:14 PM | 1241.000 | PSIA |
| 19 | Feb 10, 2009 02:48:14 PM | 1237.200 | PSIA |
| 20 | Feb 10, 2009 02:49:13 PM | 1232.400 | PSIA |
| 21 | Feb 10, 2009 02:50:14 PM | 1228.400 | PSIA |
| 22 | Feb 10, 2009 02:51:13 PM | 1224.000 | PSIA |
| 23 | Feb 10, 2009 02:52:13 PM | 1220.600 | PSIA |
| 24 | Feb 10, 2009 02:53:14 PM | 1216.800 | PSIA |
| 25 | Feb 10, 2009 02:54:14 PM | 1213.200 | PSIA |
| 26 | Feb 10, 2009 02:55:13 PM | 1209.400 | PSIA |
| 27 | Feb 10, 2009 02:56:14 PM | 1206.200 | PSIA |
| 28 | Feb 10, 2009 02:57:15 PM | 1202.600 | PSIA |
| 29 | Feb 10, 2009 02:58:13 PM | 1199.400 | PSIA |
| 30 | Feb 10, 2009 02:59:14 PM | 1196.400 | PSIA |
| 31 | Feb 10, 2009 03:00:14 PM | 1193.000 | PSIA |

Federal 13-11-9-17 Rate Sheet (2-10-09)

| | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| <i>Step # 1</i> | Time: | 8:35 | 8:40 | 8:45 | 8:50 | 8:55 | 9:00 |
| | Rate: | 150.5 | 150.5 | 150.6 | 150.5 | 150.5 | 150.5 |
| | Time: | 9:05 | 9:10 | 9:15 | 9:20 | 9:25 | 9:30 |
| | Rate: | 150.5 | 150.4 | 150.4 | 150.4 | 150.4 | 150.4 |
| <i>Step # 2</i> | Time: | 9:35 | 9:40 | 9:45 | 9:50 | 9:55 | 10:00 |
| | Rate: | 300.4 | 300.4 | 300.3 | 300.3 | 300.3 | 300.2 |
| | Time: | 10:05 | 10:10 | 10:15 | 10:20 | 10:25 | 10:30 |
| | Rate: | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 | 300.2 |
| <i>Step # 3</i> | Time: | 10:35 | 10:40 | 10:45 | 10:50 | 10:55 | 11:00 |
| | Rate: | 450.4 | 450.4 | 450.4 | 450.4 | 450.3 | 450.3 |
| | Time: | 11:05 | 11:10 | 11:15 | 11:20 | 11:25 | 11:30 |
| | Rate: | 450.3 | 450.3 | 450.3 | 450.2 | 450.2 | 450.2 |
| <i>Step # 4</i> | Time: | 11:35 | 11:40 | 11:45 | 11:50 | 11:55 | 12:00 |
| | Rate: | 600.6 | 600.5 | 600.4 | 600.3 | 600.3 | 600.2 |
| | Time: | 12:05 | 12:10 | 12:15 | 12:20 | 12:25 | 12:30 |
| | Rate: | 600.2 | 600.2 | 600.1 | 600.1 | 600 | 600 |
| <i>Step # 5</i> | Time: | 12:35 | 12:40 | 12:45 | 12:50 | 12:55 | 1:00 |
| | Rate: | 750.7 | 750.7 | 750.7 | 750.6 | 750.6 | 750.6 |
| | Time: | 1:05 | 1:10 | 1:15 | 1:20 | 1:25 | 1:30 |
| | Rate: | 750.6 | 750.5 | 750.5 | 750.4 | 750.4 | 750.3 |
| <i>Step # 6</i> | Time: | 1:35 | 1:40 | 1:45 | 1:50 | 1:55 | 2:00 |
| | Rate: | 900.6 | 900.6 | 900.5 | 900.5 | 900.5 | 900.5 |
| | Time: | 2:05 | 2:10 | 2:15 | 2:20 | 2:25 | 2:30 |
| | Rate: | 900.4 | 900.4 | 900.4 | 900.2 | 900.2 | 900.2 |
| | Time: | | | | | | |
| | Rate: | | | | | | |
| | Time: | | | | | | |
| | Rate: | | | | | | |
| | Time: | | | | | | |
| | Rate: | | | | | | |
| | Time: | | | | | | |
| | Rate: | | | | | | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

MAR 10 2009

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Michael Guinn
District Manager
Newfield Production Company
Route 3 - Box 3630
Myton, UT 84052

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

RE: Underground Injection Control (UIC)
**Authorization to Continue Injection
and Minor Permit Modification No. 1**
EPA Permit UT21058-07132
Well: Federal 13-11-9-17
SWSW Section 11 T9S R17E
Duchesne County, UT
API No.: 43-013-32510

Dear Mr. Guinn:

The Newfield Production Company (Newfield) letter with attached information was received by the Environmental Protection Agency (EPA), Region 8, on February 24, 2009. The submittal regarding the February 10, 2009 Step-Rate Test (SRT) on Federal 13-11-9-17 concluded the fracture gradient to be 0.731 psi/ft. The results of the February 18, 2009 Radioactive Tracer Survey (RTS) on Federal 13-11-9-17 were reviewed and approved on March 4, 2009, and the EPA has determined that the test adequately demonstrated that injected fluids will remain in the authorized injection interval at or below the injection pressure of 1,320 psig.

The EPA hereby authorizes continued injection into Federal 13-11-9-17 under the terms and conditions of EPA UIC Permit UT21058-07132 at a **Maximum Injection Pressure (MAIP) of 1,315 psig**. This MAIP is based on the results of the SRT to ensure that fractures are not propagated.

You may apply for a higher maximum allowable injection pressure at a later date. Your application should be accompanied by the interpreted results from a Step-Rate Test (SRT) that measures the formation fracture pressure and the fracture gradient at this location. Should the SRT result in approval of a higher MAIP, a new RTS is required to show that the injected fluids will remain in the authorized injection interval at the higher pressure. Please note that to use a

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MAR 17 2009

DIV. OF OIL, GAS & MINING

pressure greater than the MAIP of 1,315 psig during a SRT or RTS, you must first receive prior written authorization from the Director.

If you have questions regarding the above action, please contact Jason Deardorff of my staff by calling 303-312-6583, or 1-800-227-8917, extension 312-6583. As of this approval, responsibility for Permit Compliance and Enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

FOR RECORD ONLY
US EPA, Region 8
Nathan Wiser
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit. If you have any questions regarding this approval, please call Jason Deardorff at 800-227-8917 (ext. 312-6583). For questions regarding notification, testing, monitoring, reporting or other Permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211).

Sincerely,



for Eddie A. Sierra
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc:

Uintah & Ouray Business Committee
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg
Regulatory Analyst
Newfield Exploration Company

| | | |
|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-075174 |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 1. TYPE OF WELL Water Injection Well | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 8. WELL NAME and NUMBER: FEDERAL 13-11-9-17 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | | 9. API NUMBER: 43013325100000 |
| PHONE NUMBER: 435 646-4825 Ext | | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 11 Township: 09.0S Range: 17.0E Meridian: S | | COUNTY: DUCHESNE |
| | | STATE: UTAH |

11.

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/13/2013 | <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 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="5 YR MIT"/> |

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

5 YR MIT performed on the above listed well. On 06/13/2013 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1019 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07132

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 19, 2013**

| | | |
|---|-------------------------------------|---|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 6/17/2013 | |

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6 11 2013
 Test conducted by: Brendan Curry
 Others present: _____

-07132

| | | |
|---|---|------------------|
| Well Name: <u>Federal 13-11-9-17</u> | Type: ER SWD | Status: AC TA UC |
| Field: <u>Greater Monument Butte</u> | | |
| Location: <u>13</u> Sec: <u>11</u> T <u>9</u> N <u>13</u> R <u>17</u> E W | County: <u>Uintah</u> | State: <u>WY</u> |
| Operator: <u>Newfield production Company</u> | | |
| Last MIT: <u>1</u> / <u>1</u> | Maximum Allowable Pressure: <u>1175</u> | PSIG |

Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0/1021 psig

| MIT DATA TABLE | Test #1 | Test #2 | Test #3 |
|---|--|---|---|
| TUBING PRESSURE | | | |
| Initial Pressure | <u>1021</u> psig | psig | psig |
| End of test pressure | <u>1019</u> psig | psig | psig |
| CASING / TUBING ANNULUS PRESSURE | | | |
| 0 minutes | <u>1650</u> psig | psig | psig |
| 5 minutes | <u>1650</u> psig | psig | psig |
| 10 minutes | <u>1650</u> psig | psig | psig |
| 15 minutes | <u>1650</u> psig | psig | psig |
| 20 minutes | <u>1650</u> psig | psig | psig |
| 25 minutes | <u>1650</u> psig | psig | psig |
| 30 minutes | <u>1650</u> psig | psig | psig |
| _____ minutes | psig | psig | psig |
| _____ minutes | psig | psig | psig |
| RESULT | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? Yes No

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

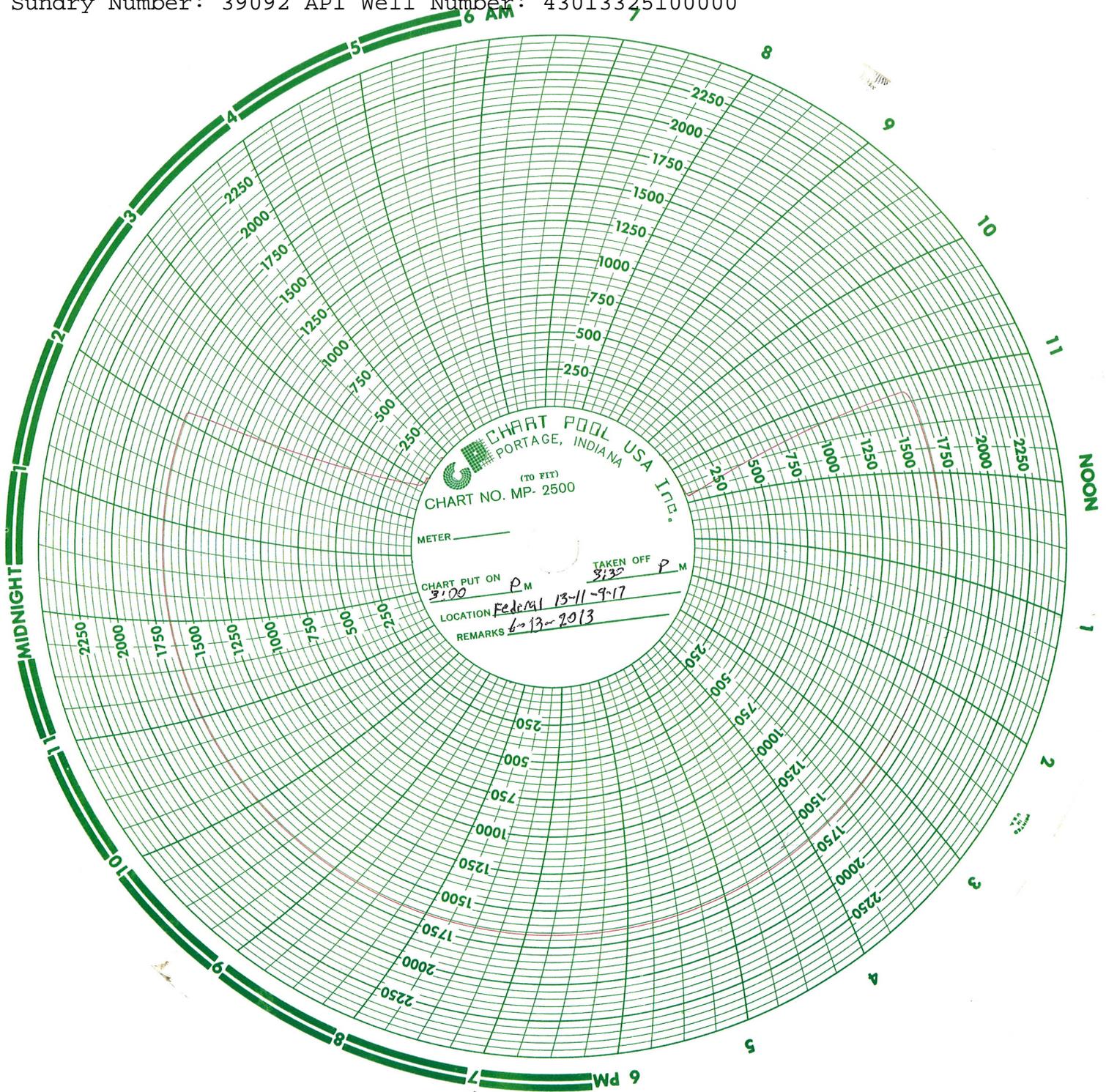


CHART POOL USA INC.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP-2500

METER _____

CHART PUT ON 3:00 P.M. TAKEN OFF 8:30 P.M.

LOCATION Federal 13-11-9-17

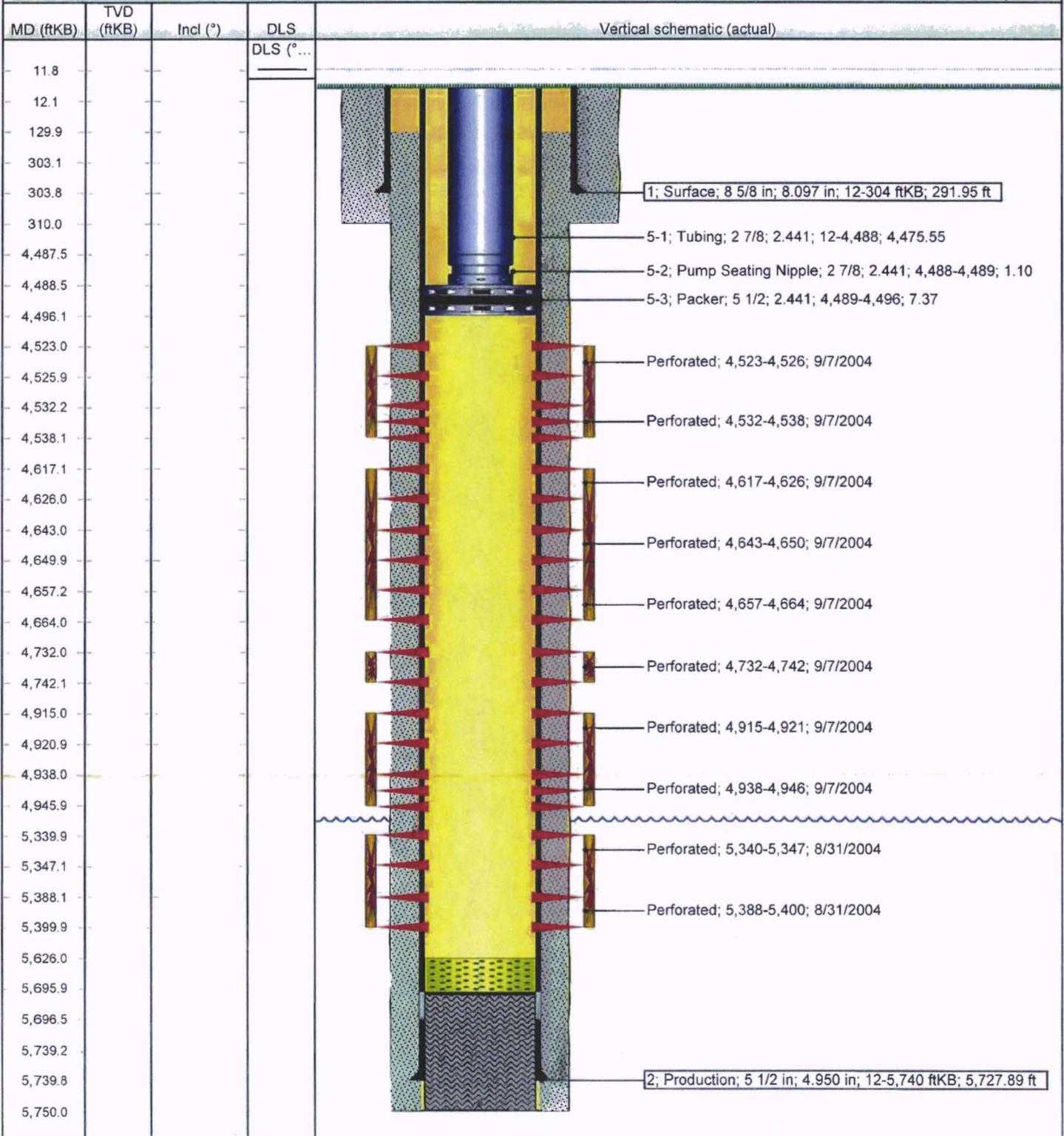
REMARKS 6-13-2013

Well Name: **Federal 13-11-9-17**

| | | | | | | | |
|--|--------------------------------------|--|--|---------------------------------------|-------------------------------|---|---------------------------|
| Surface Legal Location 11-9S-17E | | API/UWI 43013325100000 | Well RC 500151841 | Lease | State/Province Utah | Field Name GMBU CTB8 | County DUCHESNE |
| Spud Date 8/11/2004 | Rig Release Date 8/21/2004 | On Production Date 9/13/2004 | Original KB Elevation (ft) 5,158 | Ground Elevation (ft) 5,146 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB) Original Hole - 5,695.9 | |

| | | | |
|--------------------------------|------------------|----------------------------------|------------------------------------|
| Most Recent Job | | | |
| Job Category Testing | Primary Job Type | Secondary Job Type N/A | Job Start Date 6/13/2013 |
| | | | Job End Date 6/13/2013 |

TD: 5,750.0 Vertical - Original Hole, 7/7/2015 1:57:01 PM



NEWFIELD



Newfield Wellbore Diagram Data Federal 13-11-9-17

| | | | | | |
|-------------------------------------|--|--------------------------------|--|---|--|
| Surface Legal Location 11-9S-17E | | API/UW: 43013325100000 | | Lease | |
| County DUCHESNE | | State/Province Utah | | Basin | |
| Well Start Date 8/11/2004 | | Spud Date 8/11/2004 | | Final Rig Release Date 8/21/2004 | |
| Original KB Elevation (ft) 5,158 | | Ground Elevation (ft) 5,146 | | Total Depth (ftKB) 5,750.0 | |
| | | | | Total Depth All (TVD) (ftKB) | |
| | | | | PBD (All) (ftKB) Original Hole - 5,695.9 | |

Casing Strings

| Csg Des | Run Date | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|-----------|---------|---------|----------------|-------|------------------|
| Surface | 8/11/2004 | 8 5/8 | 8.097 | 24.00 | J-55 | 304 |
| Production | 8/21/2004 | 5 1/2 | 4.950 | 15.50 | J-55 | 5,740 |

Cement

String: Surface, 304ftKB 8/11/2004

| | | | | | |
|--|--|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company BJ Services Company | | Top Depth (ftKB) 12.0 | Bottom Depth (ftKB) 310.0 | Full Return? | Vol Cement Ret (bb) |
| Fluid Description w/ 2% CaCL2 + 1/4#/sk Cello-Flake | | Fluid Type Lead | Amount (sacks) 150 | Class G | Estimated Top (ftKB) 12.0 |

String: Production, 5,740ftKB 8/21/2004

| | | | | | |
|---|--|---------------------------|--------------------------------|----------------------|---------------------------------|
| Cementing Company BJ Services Company | | Top Depth (ftKB) 130.0 | Bottom Depth (ftKB) 5,750.0 | Full Return? | Vol Cement Ret (bb) |
| Fluid Description w/ 10% gel + 3% KCL, 3#s/sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake + .5%sm | | Fluid Type Lead | Amount (sacks) 325 | Class Premlite II | Estimated Top (ftKB) 130.0 |
| Fluid Description W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F 2% gel, 3% SM | | Fluid Type Tail | Amount (sacks) 425 | Class 50/50 Poz | Estimated Top (ftKB) 3,000.0 |

Tubing Strings

| Tubing Description Tubing | | Run Date 7/21/2008 | | Set Depth (ftKB) 4,496.0 | | | | |
|------------------------------|-----|-----------------------|---------|-----------------------------|-------|----------|------------|------------|
| Item Des | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade | Len (ft) | Top (ftKB) | Btm (ftKB) |
| Tubing | 138 | 2 7/8 | 2.441 | 6.50 | J-55 | 4,475.55 | 12.0 | 4,487.6 |
| Pump Seating Nipple | | 2 7/8 | 2.441 | | | 1.10 | 4,487.6 | 4,488.7 |
| Packer | | 5 1/2 | 2.441 | | | 7.37 | 4,488.7 | 4,496.0 |

Rod Strings

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

Other In Hole

| Des | Top (ftKB) | Btm (ftKB) | Run Date | Pull Date |
|------|------------|------------|-----------|-----------|
| Fill | 5,626 | 5,696 | 6/25/2007 | |

Perforation Intervals

| Stage# | Zone | Top (ftKB) | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (°) | Nom Hole Dia (in) | Date |
|--------|------------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 5 | D2 sds, Original Hole | 4,523 | 4,526 | 4 | | 0.410 | 9/7/2004 |
| 5 | D2 sds, Original Hole | 4,532 | 4,538 | 4 | | 0.410 | 9/7/2004 |
| 4 | D3 sds, Original Hole | 4,617 | 4,626 | 4 | | 0.410 | 9/7/2004 |
| 4 | C sds, Original Hole | 4,643 | 4,650 | 4 | | 0.410 | 9/7/2004 |
| 4 | C sds, Original Hole | 4,657 | 4,664 | 4 | | 0.410 | 9/7/2004 |
| 3 | B1 sds, Original Hole | 4,732 | 4,742 | 4 | | 0.410 | 9/7/2004 |
| 2 | A1 sds, Original Hole | 4,915 | 4,921 | 4 | | 0.410 | 9/7/2004 |
| 2 | A3 sds, Original Hole | 4,938 | 4,946 | 4 | | 0.410 | 9/7/2004 |
| 1 | CP1 sds, Original Hole | 5,340 | 5,347 | 4 | | 0.410 | 8/31/2004 |
| 1 | CP2 sds, Original Hole | 5,388 | 5,400 | 4 | | 0.410 | 8/31/2004 |

Stimulations & Treatments

| Stage# | ISIP (psi) | Frac Gradient (psi/ft) | Max Rate (bbl/min) | Max PSI (psi) | Total Clean Vol (bbl) | Total Slurry Vol (bbl) | Vol Recov (bbl) |
|--------|------------|------------------------|--------------------|---------------|-----------------------|------------------------|-----------------|
| 1 | 1,550 | 0.72 | 24.9 | 1,455 | | | |
| 2 | 1,575 | 0.75 | 25.0 | 1,400 | | | |
| 3 | 1,750 | 0.8 | 24.8 | 2,080 | | | |
| 4 | 2,200 | 0.91 | 24.9 | 2,120 | | | |
| 5 | 2,250 | 0.93 | 25.0 | 2,570 | | | |

Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount |
|--------|----------------------------|------------------------|
| 1 | | Proppant Sand 60085 lb |
| 2 | | Proppant Sand 49671 lb |
| 3 | | Proppant Sand 24191 lb |



Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount |
|--------|----------------------------|------------------------|
| 4 | | Proppant Sand 89845 lb |
| 5 | | Proppant Sand 48132 lb |