

**NEWFIELD**



August 24, 2006

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

RE: Applications for Permit to Drill

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Lone Tree Federal 2-21-9-17</b> | <b>Lone Tree Federal 8-21-9-17</b>  |
| <b>Lone Tree Federal 3-21-9-17</b> | <b>Lone Tree Federal 9-21-9-17</b>  |
| <b>Lone Tree Federal 4-21-9-17</b> | <b>Lone Tree Federal 11-21-9-17</b> |
| <b>Lone Tree Federal 5-21-9-17</b> | <b>Lone Tree Federal 12-21-9-17</b> |
| <b>Lone Tree Federal 6-21-9-17</b> | <b>Lone Tree Federal 13-21-9-17</b> |
| <b>Lone Tree Federal 7-21-9-17</b> | <b>Lone Tree Federal 16-21-9-17</b> |

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 12-21-9-17 and 13-21-9-17 are also Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**

**AUG 25 2006**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.  
UTU-13905

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

7. If Unit or CA Agreement, Name and No.  
Lone Tree

8. Lease Name and Well No.  
Lone Tree Federal 11-21-9-17

9. API Well No.  
43013-33285

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SW Sec. 21, T9S R17E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/SW 1911' FSL 2156' FWL 584273X 40.014548  
At proposed prod. zone 4429629Y -110.012554

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 16.3 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. 1911' f/ise, 1911' f/unit  
16. No. of Acres in lease  
1200.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1691'

19. Proposed Depth  
5625'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5338' GL

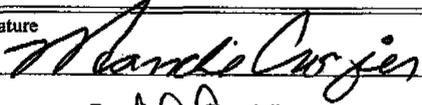
22. Approximate date work will start\*  
4th Quarter 2006

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

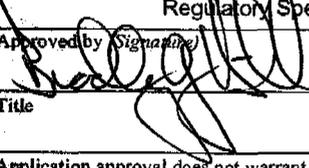
24. Attachments

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

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SLUPO shall be filed with the appropriate Forest Service Office).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ul> |
|---|---|

25. Signature  Name (Printed/Typed) Mandie Crozier Date 8/23/06

Title Regulatory Specialist

Approved by  Name (Printed/Typed) BRADLEY G. HILL Date 08-29-06

Title ENVIRONMENTAL MANAGER

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

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

\*(Instructions on reverse)

Federal Approval of this Action is Necessary

RECEIVED  
AUG 25 2006  
DIV. OF OIL, GAS & MINING



NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #11-21-9-17  
NE/SW SECTION 21, 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' – 1970' |
| Green River | 1970'      |
| Wasatch     | 5625'      |

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

Green River Formation 1970' – 5625' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

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

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #11-21-9-17  
NE/SW SECTION 21, 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 Newfield Production Company well location site Lone Tree Federal #11-21-9-17 located in the NE 1/4 SW 1/4 Section 21, 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 it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.9 miles  $\pm$  to it's junction with an existing road to the south; proceed southeasterly - 2.0 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southwest; proceed southwesterly along the proposed access road - 700'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

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

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

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-206, 6/15/05. Paleontological Resource Survey prepared by, Wade E. Miller, 6/2/05. See attached report cover pages, Exhibit "D".

For the Lone Tree Federal #11-21-9-17 Newfield Production Company requests 700' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 700' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 700' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

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

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a

pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

|                    |                           |            |
|--------------------|---------------------------|------------|
| Western Wheatgrass | <i>Pascopyrum Smithii</i> | 6 lbs/acre |
| Galletta Grass     | <i>Hilaria Jamesii</i>    | 6 lbs/acre |

**Details of the On-Site Inspection**

The proposed Lone Tree Federal #11-21-9-17 was on-sited on 4/28/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

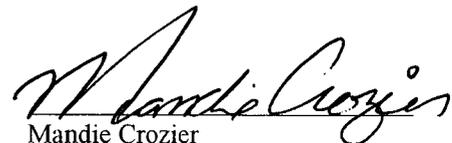
Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #11-21-9-17 NE/SW Section 21, Township 9S, Range 17E: Lease UTU-13905 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 US Specialty Insurance #B001832.

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

8/24/06  
Date

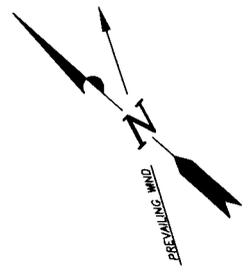


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

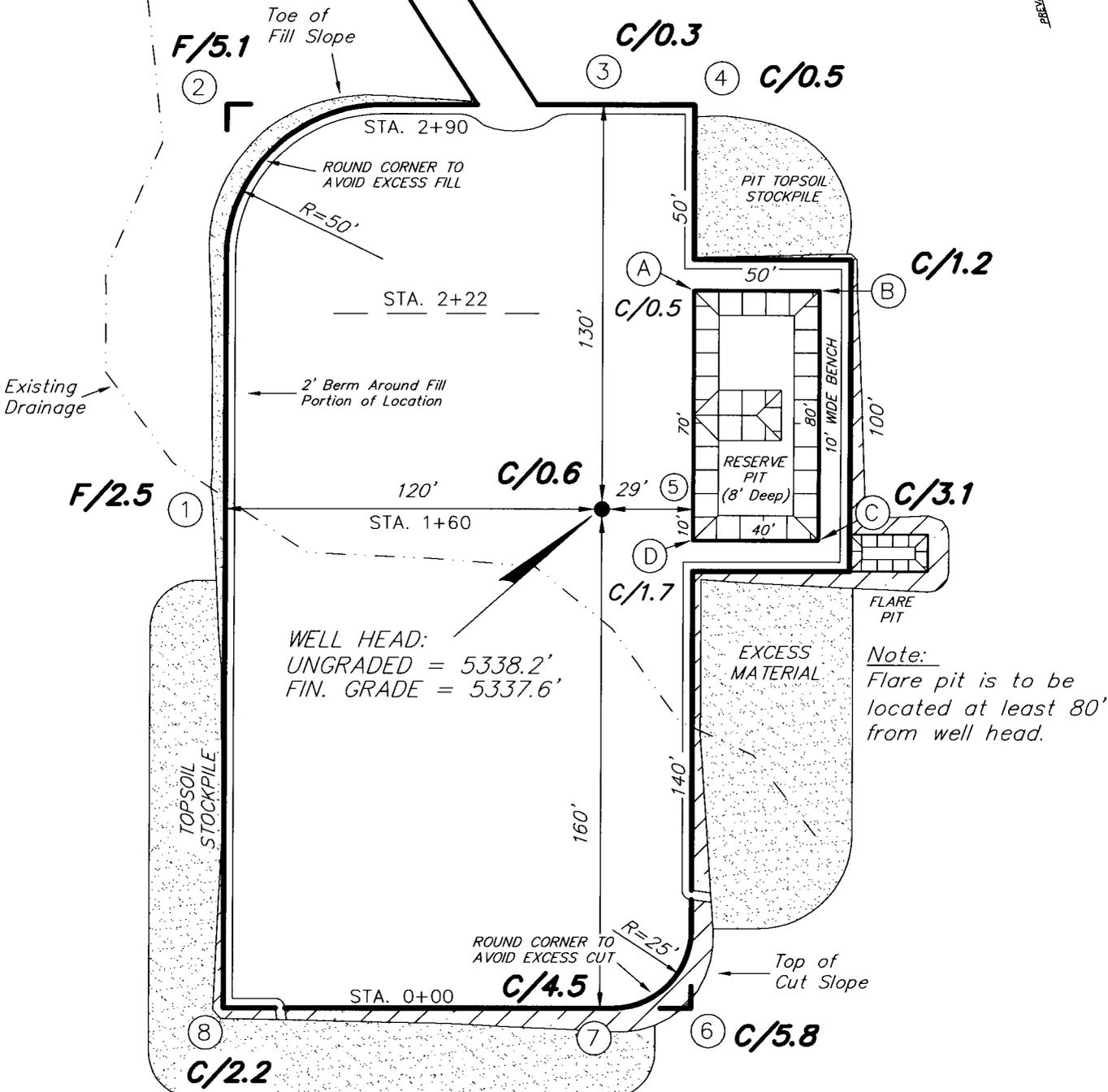
# NEWFIELD PRODUCTION COMPANY

LONE TREE 11-21-9-17

Section 21, T9S, R17E, S.L.B.&M.



PROPOSED ACCESS ROAD (Max. 6% Grade)



Note:  
Flare pit is to be located at least 80' from well head.

REFERENCE POINTS

- 170' NORTHWESTERLY = 5334.3'
- 220' NORTHWESTERLY = 5335.0'
- 210' SOUTHWESTERLY = 5344.7'
- 260' SOUTHWESTERLY = 5347.0'

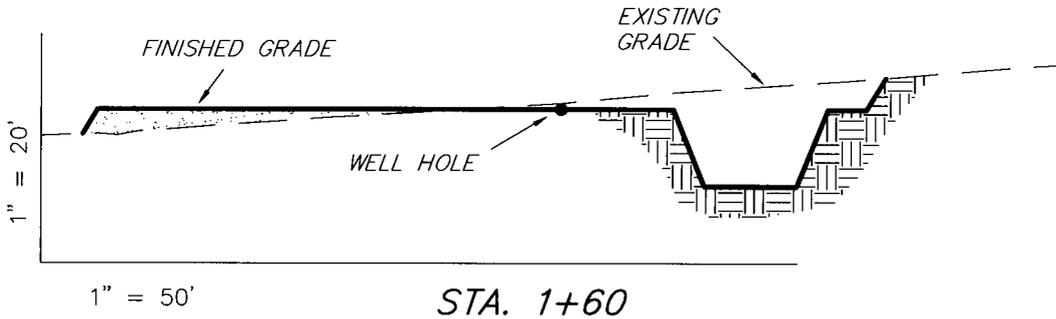
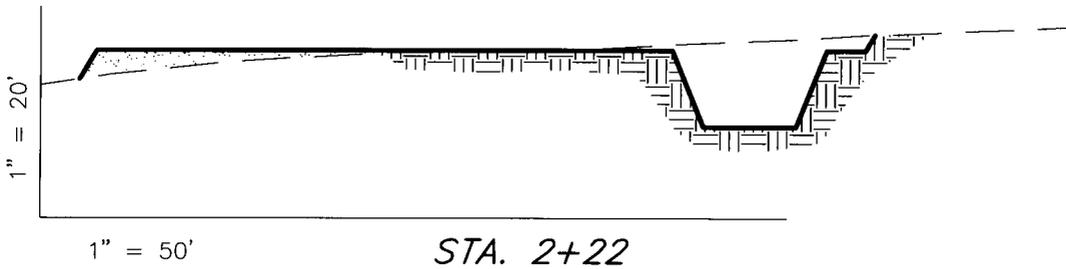
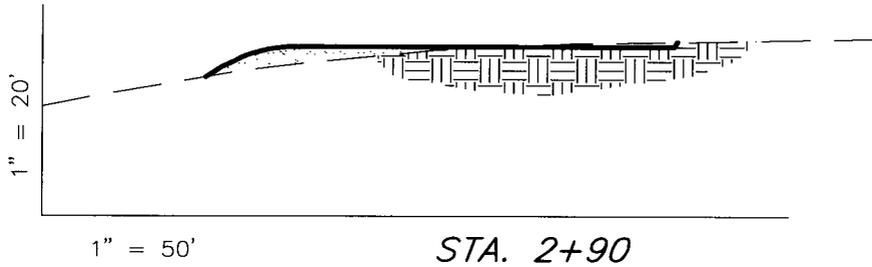
|                   |                 |
|-------------------|-----------------|
| SURVEYED BY: C.M. | SCALE: 1" = 50' |
| DRAWN BY: F.T.M.  | DATE: 06-20-06  |

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

# NEW FIELD PRODUCTION COMPANY

## CROSS SECTIONS

### LONE TREE 11-21-9-17



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    | 1,210 | 1,210 | Topsoil is<br>not included<br>in Pad Cut | 0      |
| PIT    | 640   | 0     |  | 640    |
| TOTALS | 1,850 | 1,210 | 950                                      | 640    |

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 06-20-06

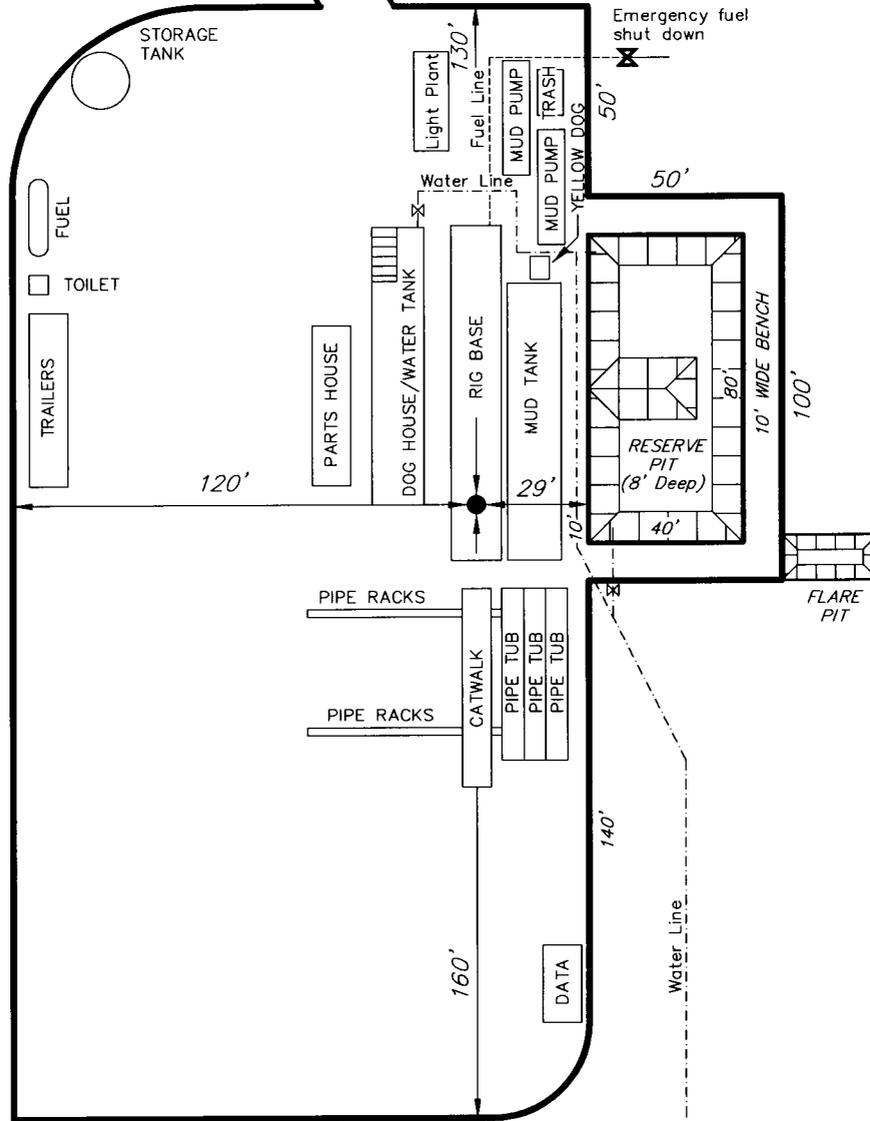
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### LONE TREE 11-21-9-17

PROPOSED ACCESS ROAD (Max. 6% Grade)



SURVEYED BY: C.M.

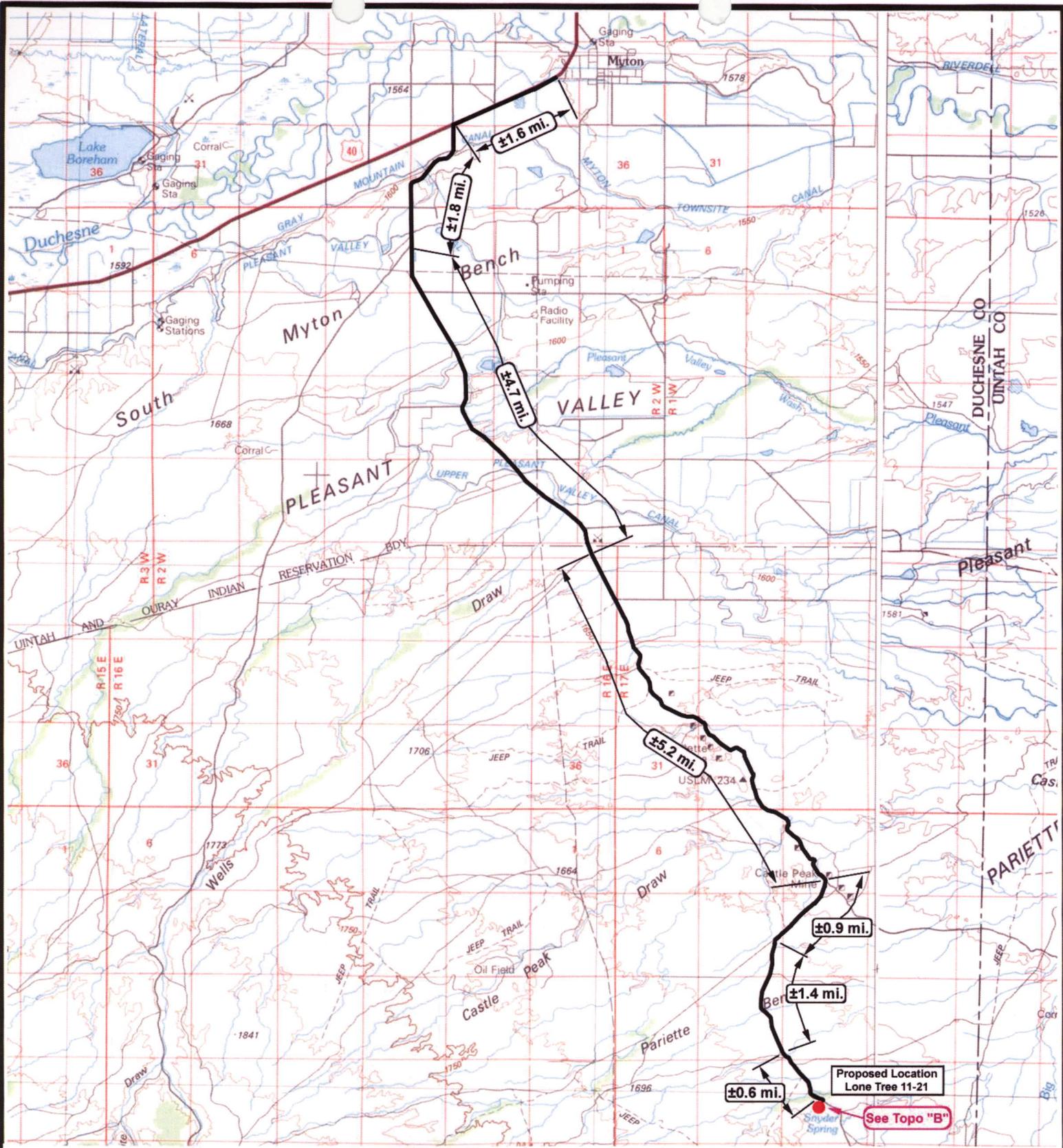
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 06-20-06

(435) 781-2501

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



**NEWFIELD**  
Exploration Company

**Lone Tree 11-21-9-17**  
**SEC. 21, T9S, R17E, S.L.B.&M.**



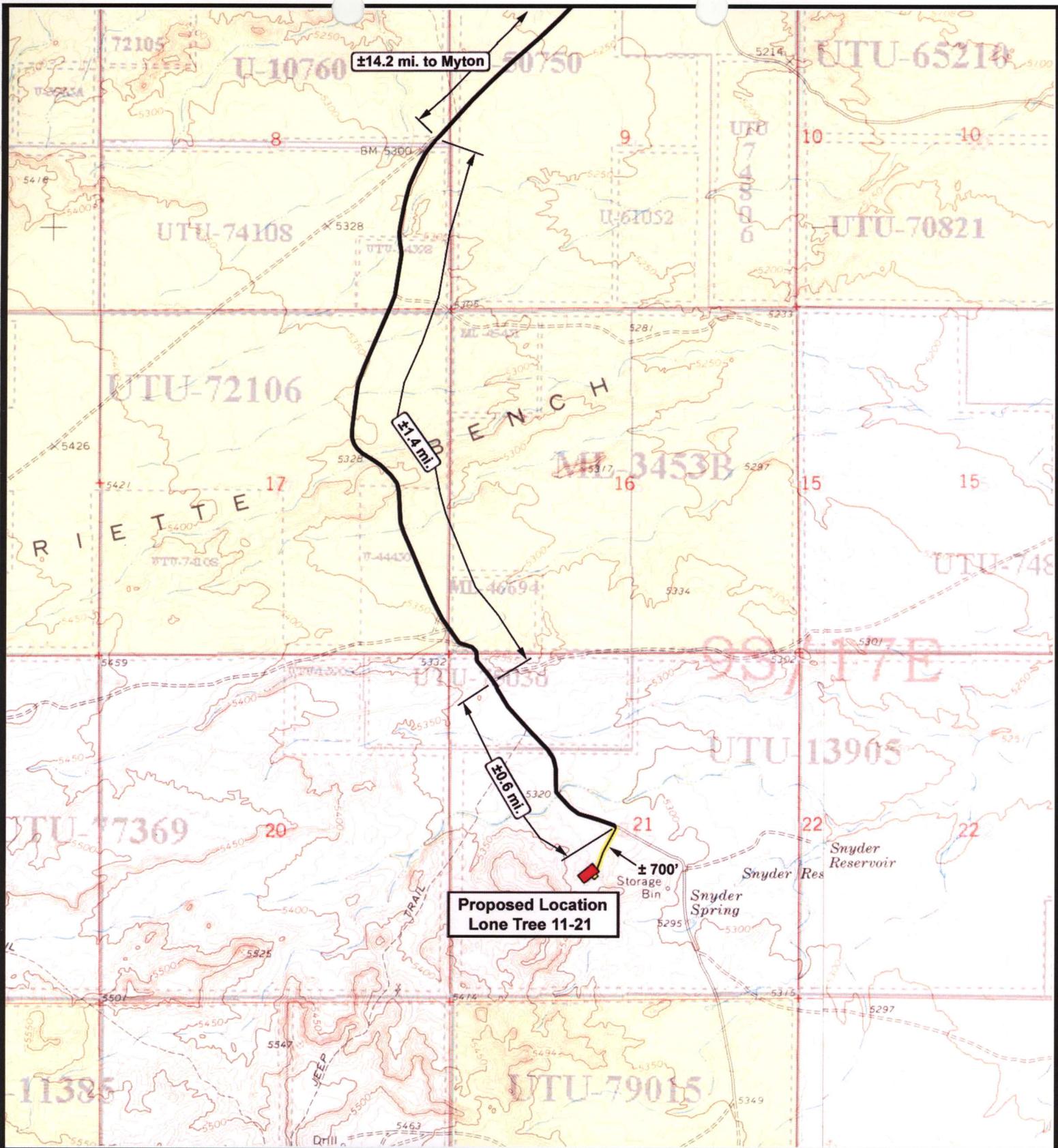
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 06-21-2006

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**




**NEWFIELD**  
Exploration Company

**Lone Tree 11-21-9-17**  
**SEC. 21, T9S, R17E, S.L.B.&M.**



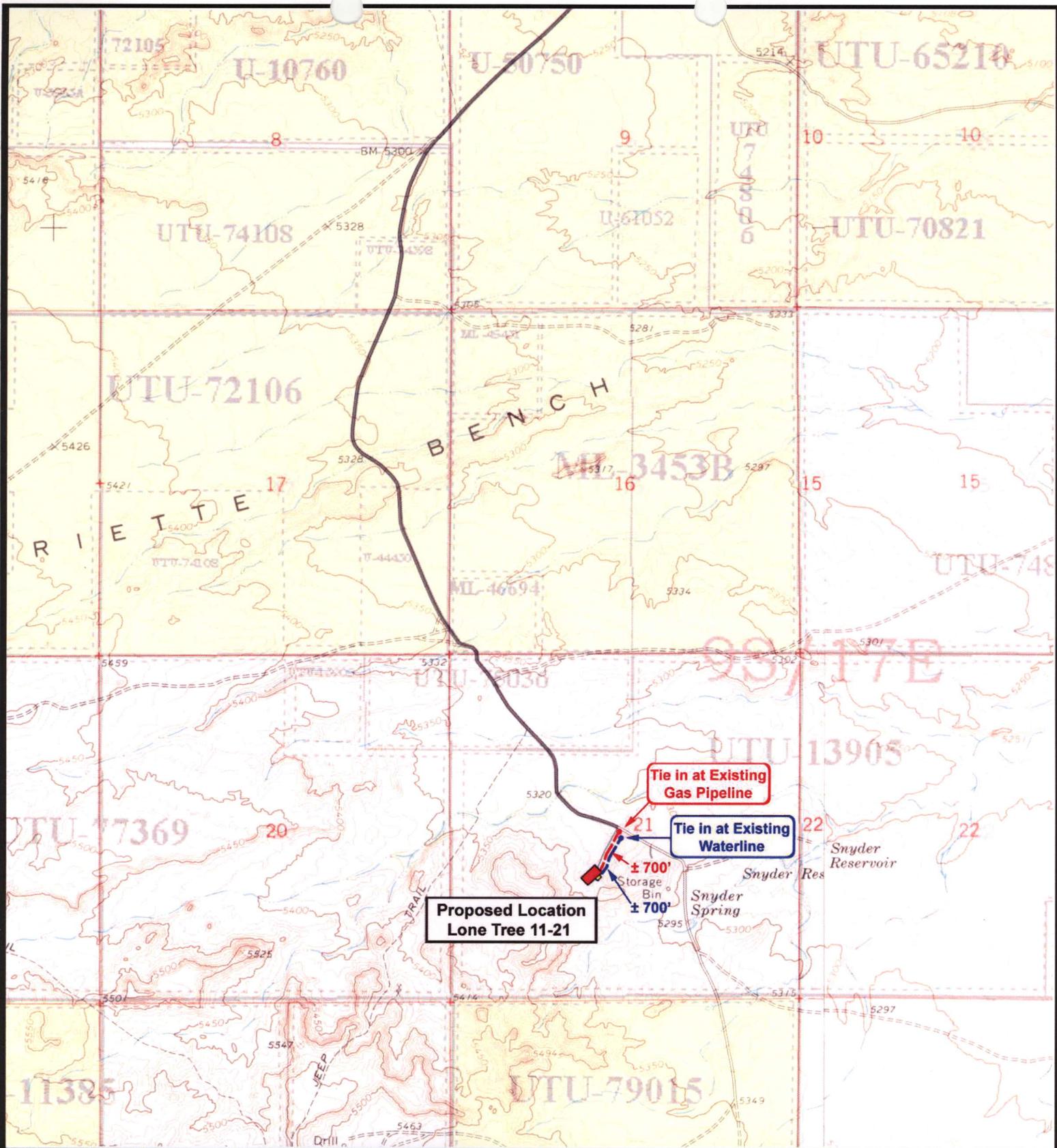

**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 06-21-2006

**Legend**

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**Proposed Location  
Lone Tree 11-21**

**Tie in at Existing  
Gas Pipeline**

**Tie in at Existing  
Waterline**

**± 700'  
Storage  
Bin  
± 700'**

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

**NEWFIELD**  
Exploration Company

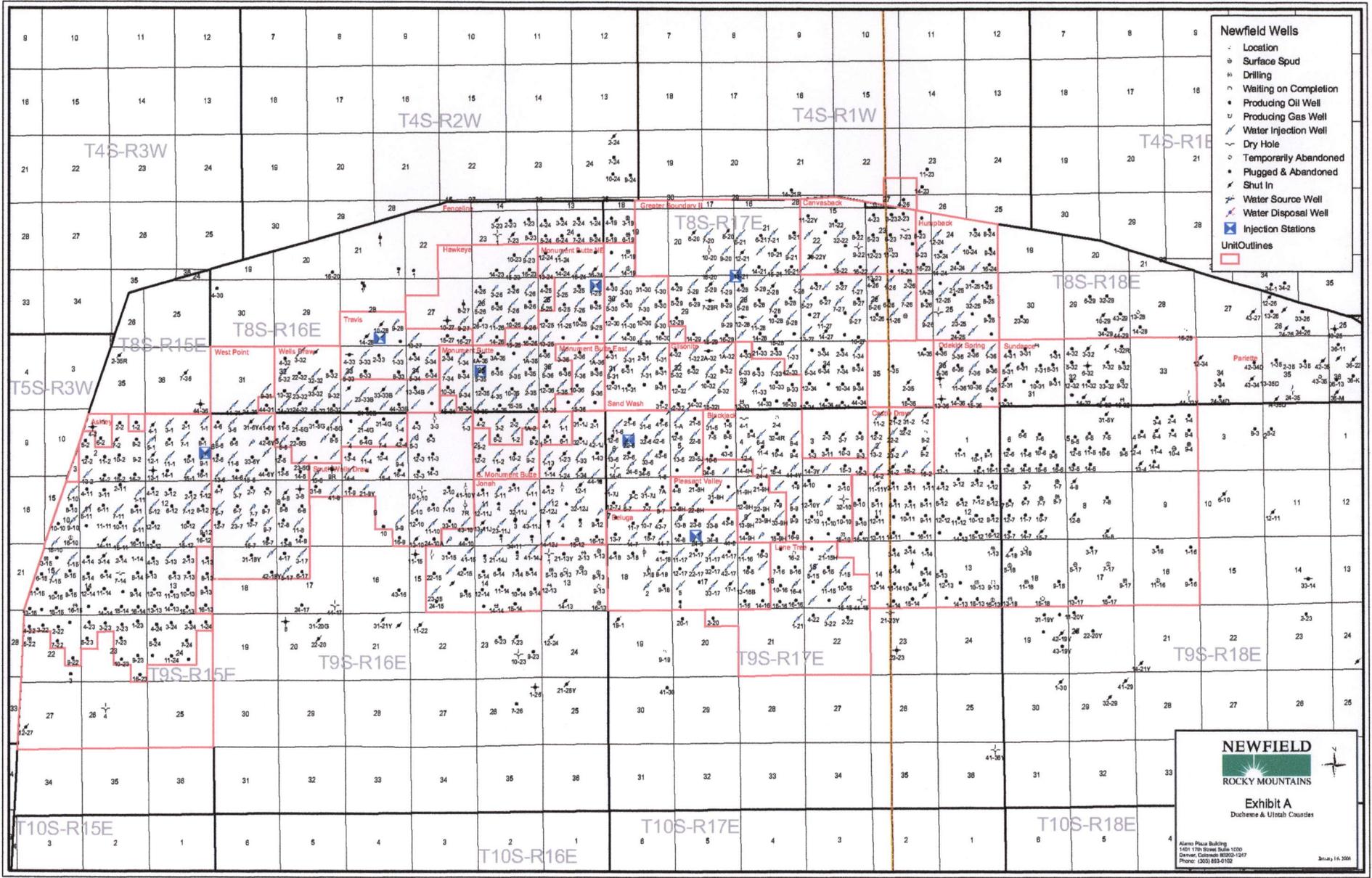
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**Lone Tree 11-21-9-17  
SEC. 21, T9S, R17E, S.L.B.&M.**



SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 06-21-2006

TOPOGRAPHIC MAP  
**"C"**



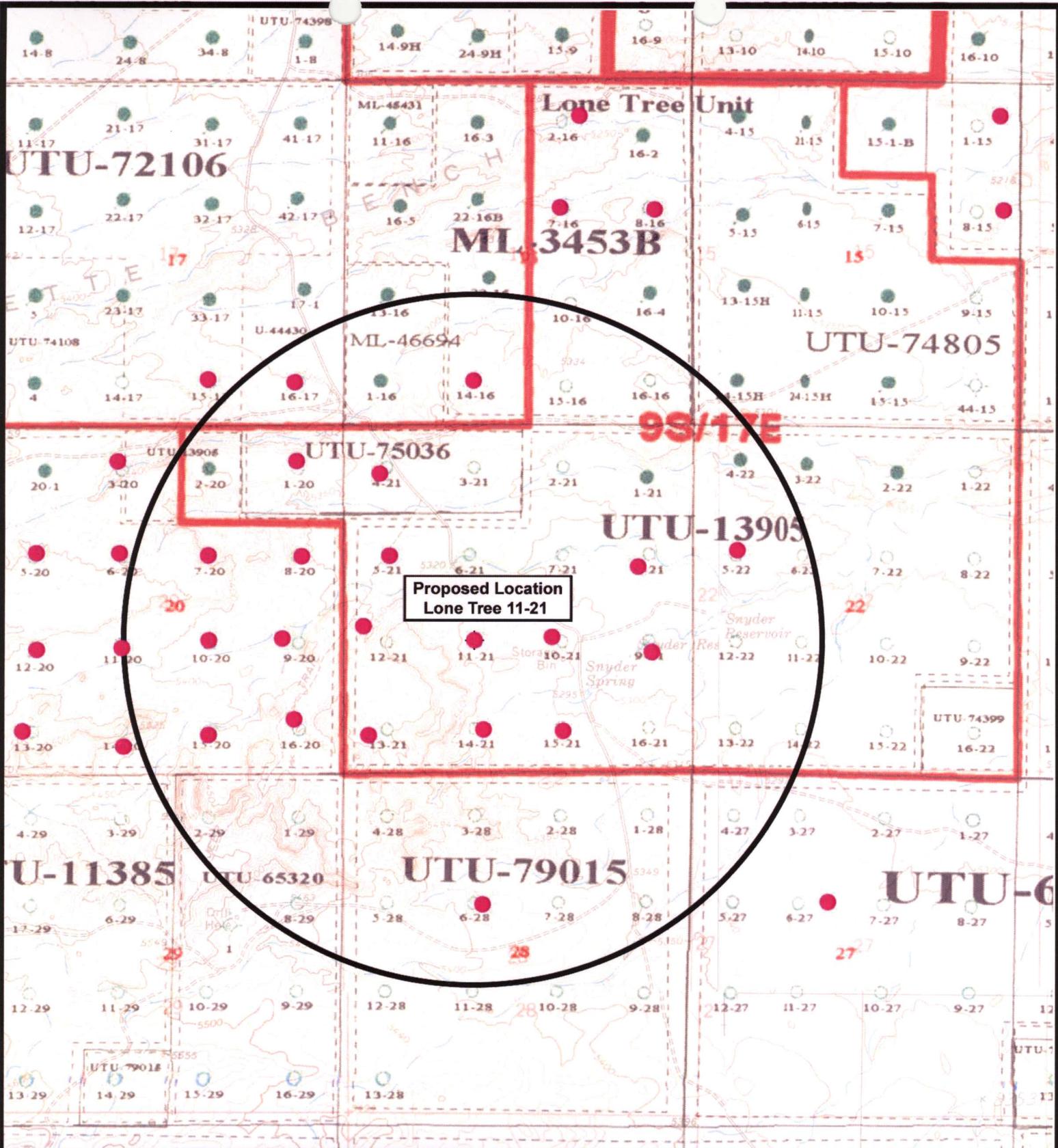
- Newfield Wells**
- Location
  - ⊙ Surface Spud
  - ⊙ Drilling
  - ⊙ Waiting on Completion
  - ⊙ Producing Oil Well
  - ⊙ Producing Gas Well
  - ⊙ Water Injection Well
  - ⊙ Dry Hole
  - ⊙ Temporarily Abandoned
  - ⊙ Plugged & Abandoned
  - ⊙ Shut In
  - ⊙ Water Source Well
  - ⊙ Injection Stations
- Unit Outlines**
- 

**NEWFIELD**  
 ROCKY MOUNTAINS

Exhibit A  
 Duchesne & Uintah Counties

Alamo Plaza Building  
 1201 17th Street, Suite 1000  
 Denver, Colorado 80202-1247  
 Phone: (303) 855-0100

May 16, 2006



Proposed Location  
Lone Tree 11-21



**Lone Tree 11-21-9-17  
SEC. 21, 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: mw  
DATE: 06-21-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

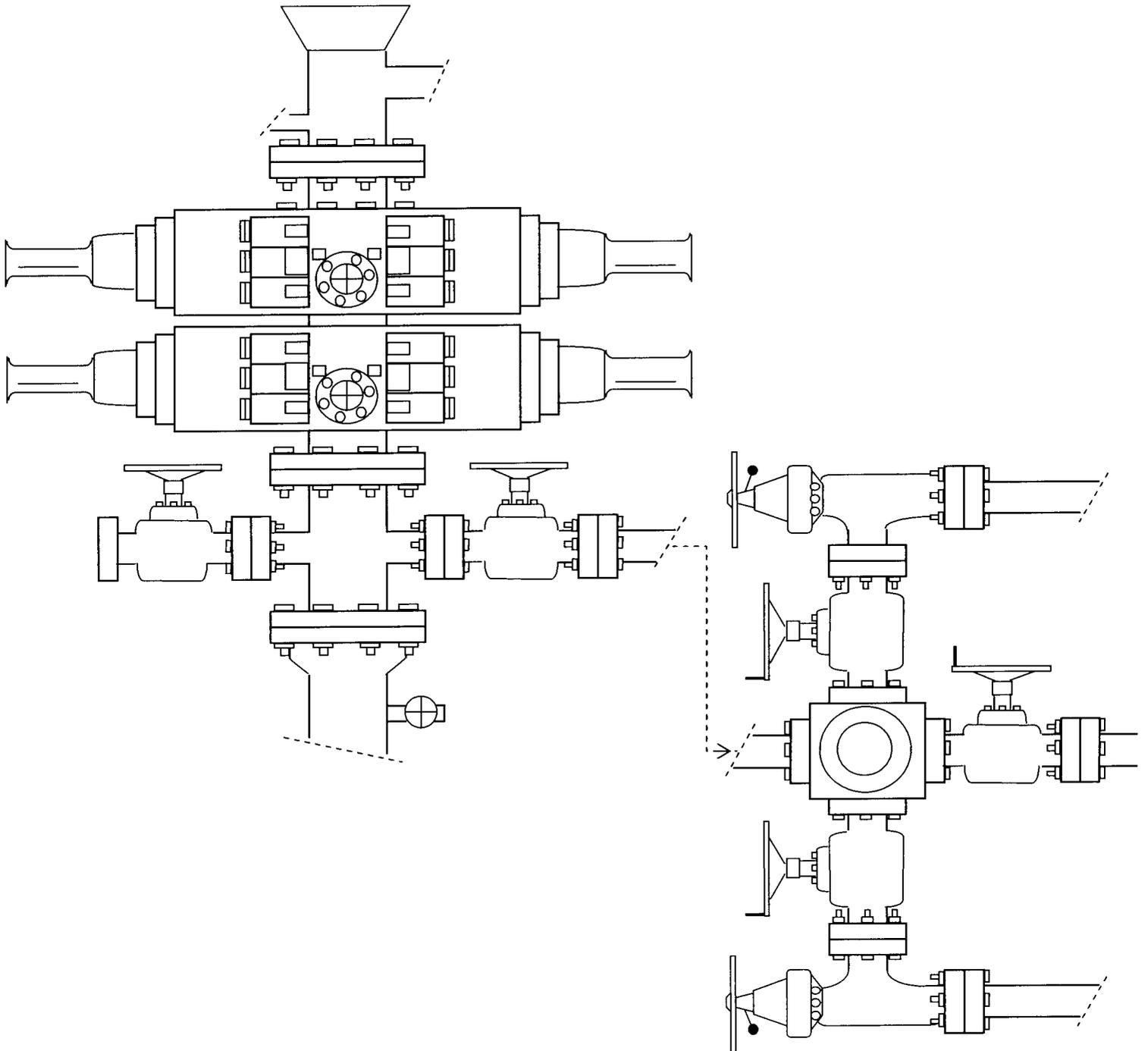


EXHIBIT C

Exhibit "D"

1 of 2

**CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCELS  
IN T9S, R17E, SEC. 19, 20, 21 & 22  
DUCHESNE COUNTY, UTAH**

**Katie Simon**

**Prepared For:**

**Bureau of Land Management  
Vernal Field Office**

**Prepared Under Contract With:**

**Newfield Exploration Company  
Route 3 Box 3630  
Myton, Utah 84052**

**Prepared By:**

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

**MOAC Report No. 04-206**

**June 15, 2005**

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

**State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0516b**

**NEWFIELD PRODUCTION COMPANY**

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

Section 20, T 9 S, R 17 E [entire section excluding the NE 1/4, NE 1/4; NW 1/4, NE 1/4; NE 1/4, NW 1/4; and NW 1/4, NW 1/4]; Section 21, T 9 S, R 17 E [entire section excluding the NE 1/4, NE 1/4], and Section 3, T 9 S, R 16 E, the following parcels [NW 1/4, NE 1/4; SW 1/4, NE 1/4; SE 1/4, NE 1/4; NE 1/4, SE 1/4; NW 1/4, SE 1/4; SW 1/4, SE 1/4 and SE 1/4, SE 1/4].

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 2, 2005

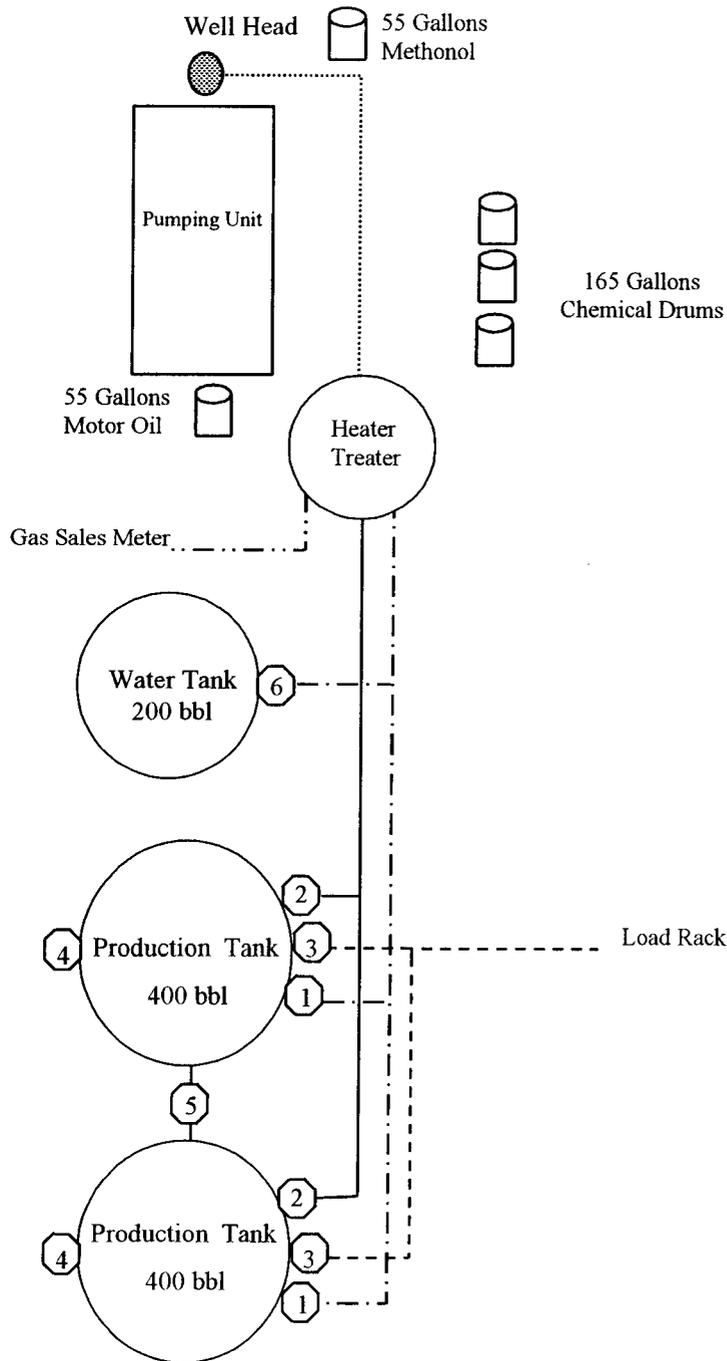
# Newfield Production Company Proposed Site Facility Diagram

Lone Tree Federal 11-21-9-17

NE/SW Sec. 21, T9S, 17E

Duchesne County, Utah

UTU-13905



165 Gallons  
Chemical Drums

### Legend

|                      |                 |
|----------------------|-----------------|
| <b>Emulsion Line</b> | .....           |
| <b>Load Rack</b>     | -----           |
| <b>Water Line</b>    | - . - . - . - . |
| <b>Gas Sales</b>     | - . - . - . - . |
| <b>Oil Line</b>      | —————           |

- Production Phase:**
- 1) Valves 1, 3, and 4 sealed closed
  - 2) Valves 2, 5, and 6 sealed open
- Sales Phase:**
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
  - 2) Valve 3 open
- Draining Phase:**
- 1) Valves 1 and 6 open

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/25/2006

API NO. ASSIGNED: 43-013-33285

WELL NAME: LONE TREE FED 11-21-9-17

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NESW 21 090S 170E  
 SURFACE: 1911 FSL 2156 FWL  
 BOTTOM: 1911 FSL 2156 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.01455 LONGITUDE: -110.0126  
 UTM SURF EASTINGS: 584273 NORTHINGS: 4429629  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-13905  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: LONE TREE (GREEN RIVER)
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 228-5
- Eff Date: 8-26-1998
- Siting: Suspend General Siting
- R649-3-11. Directional Drill

COMMENTS: See Separate Files

STIPULATIONS: 1- Federal Approval

T9S R17E

LONE TREE FED  
4-21-9-17

LONE TREE FED  
3-21-9-17

LONE TREE FED  
2-21-9-17

S PLEASANT  
VALLEY FED 1-21

LONE TREE FED  
5-21-9-17

LONE TREE FED  
6-21-9-17

LONE TREE FED  
7-21-9-17

LONE TREE FED  
8-21-9-17

21

LONE TREE FED  
12-21-9-17

NGC FEDERAL  
33-21-H

LONE TREE FED  
11-21-9-17

LONE TREE FED  
9-21-9-17

### MONUMENT BUTTE FIELD LONE TREE (GR) UNIT

CAUSE: 228-5 / 8-26-1998

LONE TREE FED  
16-21-9-17

LONE TREE FED  
13-21-9-17

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: UINTAH

CAUSE: 228-5 / 8-26-1998

#### Wells Status

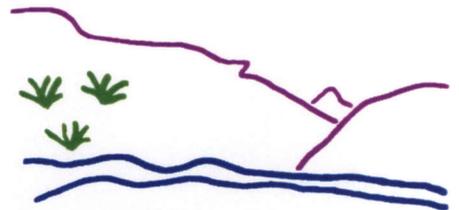
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

#### Field Status

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

#### Unit Status

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 29-AUGUST-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**IN REPLY REFER TO:**

**3160  
(UT-922)**

August 29, 2006

**Memorandum**

**To:** Assistant District Manager Minerals, Vernal District  
**From:** Michael Coulthard, Petroleum Engineer  
**Subject:** 2006 Plan of Development Lone Tree Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Lone Tree Unit, Duchesne County, Utah.

| API #                     | WELL NAME     | LOCATION                                      |
|---------------------------|---------------|---|
| (Proposed PZ Green River) |               |   |
| 43-013-33281              | Lone Tree Fed | 2-21-9-17 Sec 21 T09S R17E 0578 FNL 1943 FEL  |
| 43-013-33282              | Lone Tree Fed | 16-21-9-17 Sec 21 T09S R17E 0683 FSL 0668 FEL |
| 43-013-33283              | Lone Tree Fed | 13-21-9-17 Sec 21 T09S R17E 0556 FSL 0415 FWL |
| 43-013-33284              | Lone Tree Fed | 12-21-9-17 Sec 21 T09S R17E 2232 FSL 0252 FWL |
| 43-013-33285              | Lone Tree Fed | 11-21-9-17 Sec 21 T09S R17E 1911 FSL 2156 FWL |
| 43-013-33286              | Lone Tree Fed | 9-21-9-17 Sec 21 T09S R17E 1809 FSL 0560 FEL  |
| 43-013-33287              | Lone Tree Fed | 8-21-9-17 Sec 21 T09S R17E 2081 FNL 0827 FEL  |
| 43-013-33288              | Lone Tree Fed | 7-21-9-17 Sec 21 T09S R17E 2132 FNL 1941 FEL  |
| 43-013-33289              | Lone Tree Fed | 6-21-9-17 Sec 21 T09S R17E 1832 FNL 2002 FWL  |
| 43-013-33290              | Lone Tree Fed | 5-21-9-17 Sec 21 T09S R17E 1975 FNL 0658 FWL  |
| 43-013-33291              | Lone Tree Fed | 4-21-9-17 Sec 21 T09S R17E 0701 FNL 0557 FWL  |
| 43-013-33292              | Lone Tree Fed | 3-21-9-17 Sec 21 T09S R17E 0799 FNL 1965 FWL  |

Our records indicate the 13-21-9-17 and the 12-21-9-17 are closer than 460 feet from the Lone Tree Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Lone Tree Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

August 29, 2006

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

Re: Lone Tree Federal 11-21-9-17 Well, 1911' FSL, 2156' FWL, NE SW, Sec. 21,  
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 43-013-33285.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company

**Well Name & Number** Lone Tree Federal 11-21-9-17

**API Number:** 43-013-33285

**Lease:** UTU-13905

**Location:** NE SW                      Sec. 21                      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.

RECEIVED

AUG 25 2006

Form 3160-3  
(September 2001)

BLM VERNAL UTAH  
FORM APPROVED  
DMS 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.<br>UTU-13905   |
| 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<br>N/A                                      |
| 2. Name of Operator<br>Newfield Production Company   |   | 7. If Unit or CA Agreement, Name and No.<br>Lone Tree                            |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   |   | 8. Lease Name and Well No.<br>Lone Tree Federal 11-21-9-17                       |
| 3b. Phone No. (include area code)<br>(435) 646-3721  |   | 9. API Well No.<br>43-013-33285  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NE/SW 1911' FSL 2156' FWL<br>At proposed prod. zone   |   | 10. Field and Pool, or Exploratory<br>Monument Butte                             |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximatley 16.3 miles southeast of Myton, Utah   |   | 11. Sec., T., R., M., or Blk. and Survey or Area<br>NE/SW Sec. 21, T9S R17E      |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1911' f/lea, 1911' f/unit  | 16. No. of Acres in lease<br>1200.00                      | 12. County or Parish<br>Duchesne   |
| 17. Spacing Unit dedicated to this well<br>40 Acres  | 13. State<br>UT   |  |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1691'   | 19. Proposed Depth<br>5625'                               | 20. BLM/BIA Bond No. on file<br>UTB000192  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5338' GL  | 22. Approximate date work will start*<br>4th Quarter 2006 | 23. Estimated duration<br>Approximately seven (7) days from spurt to rig release |

24. Attachments

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

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

|   |  |                   |
|---|--|-------------------|
| 25. Signature<br>   | Name (Printed/Typed)<br>Mandie Crozier | Date<br>8/23/06   |
| Title<br>Regulatory Specialist                                |  |                   |
| Approved by (Signature)<br>                                   | Name (Printed/Typed)<br>Terry Kewels   | Date<br>3-30-2007 |
| Title<br>Assistant Field Manager<br>Lands & Mineral Resources | Office<br>VERNAL FIELD OFFICE          |                   |

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

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

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

\*(Instructions on reverse)

RECEIVED

APR 09 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

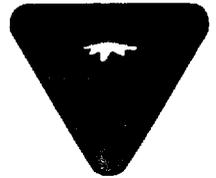
UDOGM

07CX50058A

No NOS



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



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

|                 |                                     |                   |                                 |
|-----------------|-------------------------------------|-------------------|---------------------------------|
| <b>Company:</b> | <b>Newfield Production Company</b>  | <b>Location:</b>  | <b>NESW, Sec. 21, T9S, R17E</b> |
| <b>Well No:</b> | <b>Lone Tree Federal 11-21-9-17</b> | <b>Lease No:</b>  | <b>UTU-13905</b>                |
| <b>API No:</b>  | <b>43-013-33285</b>                 | <b>Agreement:</b> | <b>Lone Tree Unit</b>           |

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

Fax: (435) 781-4410

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

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

**NOTIFICATION REQUIREMENTS**

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

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**General Surface COA**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**LEASE STIPULATIONS AND NOTICES:**

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Lands in this lease have been identified as containing Golden Eagle habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden Eagle habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Timing Limitations (for construction and drilling):
  - **Feb 1 through July 15** – in order to protect Golden Eagle nesting season,

**CONDITIONS OF APPROVAL:**

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

- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The following seed mix (PLS formula) will be used for interim reclamation (topsoil stockpile, and reserve pit)

|  |           |
|--|-----------|
| Western Wheatgrass ( <i>Pascopyrum smithii</i> ) | 6lbs/acre |
| Galleta Grass ( <i>Hilaria jamesii</i> )         | 6lbs/acre |

- Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed

mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

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

- None.

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

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

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-13905**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**LONE TREE**

8. Well Name and No.  
**LONE TREE FEDERAL 11-21-9-17**

9. API Well No.  
**43-013-33285**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**NEWFIELD PRODUCTION COMPANY**

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1911 FSL 2156 FWL      NE/SW Section 21, T9S R17E**

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

| TYPE OF SUBMISSION  | TYPE OF ACTION   |
|---|--|
| <input checked="" type="checkbox"/> Notice of Intent<br><input type="checkbox"/> Subsequent Report<br><input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Abandonment<br><input type="checkbox"/> Recompletion<br><input type="checkbox"/> Plugging Back<br><input type="checkbox"/> Casing Repair<br><input type="checkbox"/> Altering Casing<br><input checked="" type="checkbox"/> Other <b>Permit Extension</b> |
|   | <input type="checkbox"/> Change of Plans<br><input type="checkbox"/> New Construction<br><input type="checkbox"/> Non-Routine Fracturing<br><input type="checkbox"/> Water Shut-Off<br><input type="checkbox"/> Conversion to Injection<br><input type="checkbox"/> Dispose Water  |

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 8/29/06 (expiration 8/29/07).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-14-07  
By: [Signature]

RECEIVED  
AUG 14 2007

8-15-07  
RM

DIVISION OF OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct  
Signed [Signature] Title Regulatory Specialist Date 8/10/2007  
**Mandie Crozier**

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

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

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

**API:** 43-013-33285  
**Well Name:** Lone Tree Federal 11-21-9-17  
**Location:** NE/SW Section 21, T9S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 8/29/2006

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

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

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

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

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

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

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

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

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

*Mandi Cozys*  
Signature

8/10/2007  
Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

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AUG 14 2007

DEPT OF OIL, GAS & MINES

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: LONE TREE FED 11-21-9-17

Api No: 43-013-33285 Lease Type: FEDERAL

Section 21 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 10/02/07

Time 7:00 AM

How DRY

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

Reported by DELL RAY

Telephone # (435) 828-6110

Date 10/02//07 Signed CHD

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

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

OPERATOR ACCT. NO. N2695

| ACTION CODE                                   | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME                | WELL LOCATION |    |    |     | COUNTY   | SPUD DATE | EFFECTIVE DATE |
|---|--------------------|----------------|------------|--------------------------|---------------|----|----|-----|----------|-----------|----------------|
|   |                    |                |            |                          | QQ            | SC | TP | RG  |          |           |                |
| B   | 99999              | 11492          | 4301333498 | JONAH FED L-6-9-17       | NWSE          | 6  | 9S | 17E | DUCHESNE | 9/27/2007 | 10/17/07       |
| WELL 1 COMMENTS: <i>GRUV BHL = NWSE</i>       |                    |                |            |                          |               |    |    |     |          |           |                |
| B   | 99999              | 11492          | 4301333497 | JONAH FED K-6-9-17       | NWSE          | 5  | 9S | 17E | DUCHESNE | 9/29/2007 | 10/17/07       |
| WELL 2 COMMENTS: <i>GRUV BHL = Sec 6 NESE</i> |                    |                |            |                          |               |    |    |     |          |           |                |
| A   | 99999              | 16406          | 4301333700 | HANCOCK 8-19-4-1         | SENE          | 19 | 4S | 1W  | DUCHESNE | 9/28/2007 | 10/17/07       |
| WELL 3 COMMENTS: <i>GRUV</i>                  |                    |                |            |                          |               |    |    |     |          |           |                |
| B   | 99999              | 12417          | 4301333285 | LONE TREE FED 11-21-9-17 | NESW          | 21 | 9S | 17E | DUCHESNE | 10/2/2007 | 10/17/07       |
| WELL 4 COMMENTS: <i>GRUV</i>                  |                    |                |            |                          |               |    |    |     |          |           |                |
| A   | 99999              | 16407          | 4301333685 | UTE TRIBAL 8-21-4-1      | SENE          | 21 | 4S | 1W  | DUCHESNE | 10/2/2007 | 10/17/07       |
| WELL 5 COMMENTS: <i>GRUV</i>                  |                    |                |            |                          |               |    |    |     |          |           |                |
| B   | 99999              | 14844          | 4304736849 | FEDERAL 7-1-9-17         | SWNE          | 1  | 9S | 17E | UINTAH   | 10/4/2007 | 10/17/07       |
| WELL 6 COMMENTS: <i>GRUV</i>                  |                    |                |            |                          |               |    |    |     |          |           |                |

- ACTION CODES (See instructions on back of form)
- A - 1 new entity for new well (single well only)
  - B - well to existing entity (group or unit well)
  - C - from one existing entity to another existing entity
  - D - well from one existing entity to a new entity
  - E - other (explain in comments section)

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

*Jentri Park*  
 Signature  
 Jentri Park  
 Production Clerk  
 10/4/07  
 Date

RECEIVED

OCT 04 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone    (include area code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 1911 FSL 2156 FWL  
 NESW Section 21 T9S R17E

5. Case Serial No.  
 USA UTU-13905

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 LONE TREE UNIT

8. Well Name and No.  
 LONE TREE FEDERAL 11-21-9-17

9. API Well No.  
 4301333285

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

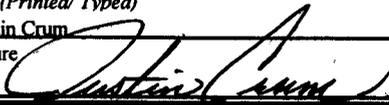
11. County or Parish, State  
 DUCHESNE, UT

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

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

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

On 10/2/07 MIRU NDSI NS # 1. Spud well @ 7:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323 KB. On 10/4/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

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

Title  
 Drilling Foreman

Date  
 10/06/2007

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

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

Office \_\_\_\_\_

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

(Instructions on reverse)

**RECEIVED**  
**OCT 11 2007**

LAST CASING 8 5/8" SET AT 323.52]  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Federal 11-21-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

| LOG OF CASING STRING:                                 |        |   |         |  |        |       |               |
|---|--------|---|---------|--|--------|-------|---------------|
| PIECES  | OD     | ITEM - MAKE - DESCRIPTION   | WT / FT | GRD  | THREAD | CONDT | LENGTH        |
|   |        | Shoe Joint 43.50  |         |  |        |       |               |
|   |        | WHI - 92 csg head   |         |  | 8rd    | A     | 0.95          |
| 7   | 8 5/8" | Maverick ST&C csg   | 24#     | J-55   | 8rd    | A     | 312.62        |
|   |        | <b>GUIDE</b> shoe   |         |  | 8rd    | A     | 0.9           |
| CASING INVENTORY BAL.                                 |        | FEET  | JTS     | TOTAL LENGTH OF STRING                           |        |       | 313.52        |
| TOTAL LENGTH OF STRING                                |        | 313.52  | 7       | LESS CUT OFF PIECE                               |        |       | 2             |
| LESS NON CSG. ITEMS                                   |        | 1.85  |         | PLUS DATUM TO T/CUT OFF CSG                      |        |       | 12            |
| PLUS FULL JTS. LEFT OUT                               |        | 0   |         | CASING SET DEPTH                                 |        |       | <b>323.52</b> |
| TOTAL   |        | 311.67  | 7       | } COMPARE  |        |       |               |
| TOTAL CSG. DEL. (W/O THRDS)                           |        | 311.67  | 7       |  |        |       |               |
| TIMING  |        | 1ST STAGE   |         |  |        |       |               |
| BEGIN RUN CSG.  | Spud   | 10/2/2007   | 7:00 AM | GOOD CIRC THRU JOB <u>Yes</u>                    |        |       |               |
| CSG. IN HOLE  |        | 10/3/2007   |         | Bbls CMT CIRC TO SURFACE <u>4</u>                |        |       |               |
| BEGIN CIRC  |        | 10/4/2007   |         | RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE |        |       |               |
| BEGIN PUMP CMT  |        | 10/4/2007   |         | <u>N/A</u>                                       |        |       |               |
| BEGIN DSPL. CMT                                       |        | 10/4/2007   |         | BUMPED PLUG TO <u>427</u> PSI                    |        |       |               |
| PLUG DOWN   |        | 10/4/2007   |         |  |        |       |               |
| CEMENT USED   |        | <b>B. J.</b>  |         |  |        |       |               |
| STAGE   | # SX   | CEMENT TYPE & ADDITIVES   |         |  |        |       |               |
| 1   | 160    | Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield |         |  |        |       |               |
| CENTRALIZER & SCRATCHER PLACEMENT                     |        | SHOW MAKE & SPACING   |         |  |        |       |               |
| Centralizers - Middle first, top second & third for 3 |        |   |         |  |        |       |               |

COMPANY REPRESENTATIVE Justin Crum DATE 10/5/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
USA UTU-13905

6. If Indian, Allottee or Tribe Name.

SUBJECT TO PUBLIC NOTICE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or  
LONE TREE UNIT

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
LONE TREE FEDERAL 11-21-9-17

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

9. API Well No.  
4301333285

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

3b. Phone (include area code)  
435.646.3721

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1911 FSL 2156 FWL  
NESW Section 21 T9S R17E

11. County or Parish, State  
DUCHESNE, UT

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

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

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

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

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

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

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

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

11/21/2007

THIS SPACE IS FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title

Date

Office

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

(Instructions on reverse)

RECEIVED

NOV 28 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

1911 FSL 2156 FWL

NESW Section 21 T9S R17E

5. Lease Serial No.

USA UTU-13905

6. If Indian, Allottee or Tribe Name.

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

LONE TREE UNIT

8. Well Name and No.

LONE TREE FEDERAL 11-21-9-17

9. API Well No.

4301333285

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

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

The above subject well was completed on 11/20/07, attached is a daily completion status report.

RECEIVED

DEC 19 2007

DIV. OF OIL, GAS & MINING

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

Tammi Lee

Signature



Title

Production Clerk

Date

12/17/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title

Date

Office

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

(Instructions on reverse)

**Daily Activity Report**

Format For Sundry

**LONETREE 11-21-9-17**

9/1/2007 To 1/30/2008

**11/13/2007 Day: 1****Completion**

Rigless on 11/12/2007 - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5517' & cement top @ 247'. Perforate stage #1, CP5 sds @ 5370-79' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 4 spf for total of 36 shots. 132 BWTR. SWIFN.

**11/15/2007 Day: 2****Completion**

Rigless on 11/14/2007 - Stage #1, CP5 sds. RU BJ Services. 0 psi on well. Frac CP5 sds w/ 25,279#'s of 20/40 sand in -- bbls of Lightning 17 fluid. Broke @ 2757 psi. Treated w/ ave pressure of 2566 psi w/ ave rate of 23.2 BPM. Pumped 504 gals of 15% hcl acid for stage #2. ISIP 2605 psi. Leave pressure on well. 486 BWTR. Stage #2 LODC sds RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 5190'. Perforate LODC sds @ 5082-90' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. SWIFN.

**11/16/2007 Day: 3****Completion**

Rigless on 11/15/2007 - Stage #2, LODC sds. RU BJ Services. 1590 psi on well. Frac LODC sds w/ 15,407#'s of 20/40 sand in 273 bbls of Lightning 17 fluid. Broke @ 3230 psi. Treated w/ ave pressure of 2260 psi w/ ave rate of 23.2 BPM. Pumped 504 gals of 15% hcl acid for stage #3. ISIP 2018 psi. Leave pressure on well. 759 BWTR. Stage #3 LODC sds RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' perf gun. Set plug @ 5010'. Perforate LODC sds @ 4895-4910' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 60 shots. RU BJ Services. 1318 psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. 1397 psi on well. Frac LODC sds w/ 114,875#'s of 20/40 sand in 829 bbls of Lightning 17 fluid. Broke @ 3718 psi. Treated w/ ave pressure of 1977 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2162 psi. Leave pressure on well. 1588 BWTR Stage #4 D2 sds RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4400'. Perforate D2 sds @ 4290-98' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1965 psi on well. Frac D2 sds w/ 41,341#'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Broke @ 3492 psi. Treated w/ ave pressure of 1643 psi @ ave rate of 23.2 BPM. ISIP 1780 psi. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 6 hrs. & died. Recovered 350 bbls. SWIFN.

**11/17/2007 Day: 4****Completion**

Western #1 on 11/16/2007 - MIRU Western #1. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (drifting & tallying). Tag CBP @ 4400'. RU powerswivel & pump. DU CBP in 6 min. Cont. RIH w/ tbg. Tag @ 4960'. C/O to CBP @ 5010'. DU CBP in 16 min. Cont. RIH w/ tbg. Tag @ 5142'. C/O to CBP @ 5190'. DU CBP in 12 min. Cont. RIH w/ tbg. Tag @ 5420'. C/O to PBTD @ 5555'. Circulate well clean. RD powerswivel. Pull up to 5478'. RU swab. SFL @ surface. Made 5 runs. Recovered 64 bbls. No oil or gas. EFL @ 900'. SWIFN.

**11/20/2007 Day: 5****Completion**

Western #1 on 11/19/2007 - Bleed off well. RIH w/ swab. SFL @ 200'. Made 6 runs. Recovered 68 bbls. No show of sand. No show of oil. RD swab. RIH w/ tbg. Tag @ 5552'. C/O to PBTD @ 5555'. Circulate well clean. POOH w/ tbg. LD bit & bit sub. RIH w/ 3 7/8" notched collar, 2 jts 2 7/8"

tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 169 jts 2 7/8" tbg. ND BOP. Set TAC @ 5325' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 16' x 20' RHAC pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 88- 3/4" slick rods, 97- 3/4" guided rods, 3- 3/4" slick rods, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Stroke test to 800 psi. Adjust tag. RD. Did not start pumping unit due to belt rubbing guard. Turn well over to mechanics.

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11/21/2007 Day: 6

Completion

Western #1 on 11/20/2007 - Mechanics adjusted belt guard. Put well on production @ 9:30 a.m. 4.5 spm, 102" stroke length. Final Report.

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Pertinent Files: Go to File List

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

**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 \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-13905**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**NA**

7. UNIT AGREEMENT NAME  
**Lonetree**

8. FARM OR LEASE NAME, WELL NO.  
**Lonetree Federal 11-21-9-17**

2. NAME OF OPERATOR  
**Newfield Exploration Company**

9. WELL NO.  
**43-013-33258-285**

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

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface **1917 FSL & 2156' FWL (NE/SW) Sec. 21, T9S, R17E**  
 At top prod. Interval reported below

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 21, T9S, R17E**

At total depth

14. API NO. **43-013-33258**    DATE ISSUED **8/29/07**

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

15. DATE SPUNDED **10/2/07**    16. DATE T.D. REACHED **10/30/07**    17. DATE COMPL. (Ready to prod.) **11/20/07**    18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5335' GL**    19. ELEV. CASINGHEAD **5350' KB**

20. TOTAL DEPTH, MD & TVD **5608'**    21. PLUG BACK T.D., MD & TVD **5555'**    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 4290'-5379'**

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#             | 324'           | 12-1/4"   | To surface with 160 sx Class "G" cmt    |               |
| 5-1/2" - J-55     | 15.5#           | 5608'          | 7-7/8"    | 300 sx Premlite II and 400 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 @ 5478'    | TA @ 5325'      |

31. PERFORATION RECORD (Interval, size and number)

| INTERVAL           | SIZE | SPF/NUMBER | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED              |
|--------------------|------|------------|---------------------|---|
| (CP5) 5370'-5379'  | .49" | 4/36       | 5370'-5379'         | Frac w/ 25,279# 20/40 sand in 354 bbls fluid  |
| (LODC) 5082'-5090' | .49" | 4/32       | 5082'-5090'         | Frac w/ 15,407# 20/40 sand in 273 bbls fluid  |
| (LODC) 4895'-4910' | .49" | 4/60       | 4895'-4910'         | Frac w/ 114,875# 20/40 sand in 829 bbls fluid |
| (D2) 4290'-4298'   | .49" | 4/32       | 4290'-4298'         | Frac w/ 41,341# 20/40 sand in 370 bbls fluid  |

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

**RECEIVED  
DEC 19 2007**

33.\* PRODUCTION

DATE FIRST PRODUCTION **11/20/07**    PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2-1/2" x 1-1/2" x 16' RHAC Pump**    DIV. OF OIL, GAS & MINING    WELL STATUS (Producing or shut-in) **PRODUCING**

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL--BBL. | GAS--MCF. | WATER--BBL. | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|-----------|-----------|-------------|---------------|
| 10 day ave   |              |            | ----->                  | 69        | 44        | 7           | 638           |

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

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

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 Tammi Lee    TITLE **Regulatory Specialist**    DATE **12/17/2007**

TL

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

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

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.              | NAME                  | TOP         |                  |
|-----------|-----|--------|--|-----------------------|-------------|------------------|
|           |     |        |  |                       | MEAS. DEPTH | TRUE VERT. DEPTH |
|           |     |        | Well Name<br>Lonetree Federal 11-21-9-17 | Garden Gulch Mkr      | 3256'       |                  |
|           |     |        |  | Garden Gulch 1        | 3449'       |                  |
|           |     |        |  | Garden Gulch 2        | 3561'       |                  |
|           |     |        |  | Point 3 Mkr           | 3806'       |                  |
|           |     |        |  | X Mkr                 | 4056'       |                  |
|           |     |        |  | Y-Mkr                 | 4088'       |                  |
|           |     |        |  | Douglas Creek Mkr     | 4212'       |                  |
|           |     |        |  | BiCarbonate Mkr       | 4437'       |                  |
|           |     |        |  | B Limestone Mkr       | 4542'       |                  |
|           |     |        |  | Castle Peak           | 5054'       |                  |
|           |     |        |  | Basal Carbonate       | 5472'       |                  |
|           |     |        |  | Total Depth (LOGGERS) | 5600'       |                  |

# NEWFIELD



Well Name: LONETREE 11-21-9-17  
 LOCATION: S21, T9S, R17E  
 COUNTY/STATE: DUCHESNE  
 API: 43-013-33285

SPUD: 10-2-07  
 TD:5608'  
 CSG:  
 POP:11-19-07

| DATE       | HRS | Oil (bbls)  | Water (bbls) | Recovered Water (bbls) | Gas (mcf)   | Casing Pressure (psi) | SPM   | Comments   |
|------------|-----|-------------|--------------|------------------------|-------------|-----------------------|-------|--|
| 11/20/2007 | 0   | 0           | 0            | 1504                   | 0           | 0                     | 0     | POP @ 9:00 A.M. w/102 SL @4.5 SPM 1504 fluid to be recovered |
| 11/21/2007 | 23  | 0           | 115          | 1389                   | 11          | 50                    | 5 1/2 |  |
| 11/22/2007 | 24  | 0           | 111          | 1278                   | 41          | 35                    | 5 1/2 |  |
| 11/23/2007 | 24  | 49          | 20           | 1258                   | 32          | 50                    | 5 1/2 |  |
| 11/24/2007 | 24  | 88          | 8            | 1250                   | 39          | 35                    | 5 1/4 |  |
| 11/25/2007 | 24  | 88          | 56           | 1194                   | 130         | 50                    | 5 1/2 |  |
| 11/26/2007 | 24  | 66          | 56           | 1138                   | 88          | 70                    | 5     |  |
| 11/27/2007 | 24  | 128         | 20           | 1118                   | 64          | 70                    | 5 1/2 |  |
| 11/28/2007 | 24  | 80          | 68           | 1050                   | 92          | 50                    | 5 1/2 | Drained 60 bbls water from T1 to T3                          |
| 11/29/2007 | 24  | 63          | 71           | 979                    | 34          | 60                    | 5 1/2 | Drained 60 bbls water from T2 to T3                          |
| 11/30/2007 | 24  | 113         | 10           | 969                    | 47          | 100                   | 5 1/2 |  |
| 12/1/2007  | 24  | 66          | 0            | 969                    | 48          | 100                   | 5 1/2 | Down - oiler   |
| 12/2/2007  | 16  | 109         | 22           | 947                    | 45          | 70                    | 5 1/2 |  |
| 12/3/2007  | 24  | 115         | 13           | 934                    | 43          | 60                    | 5 1/2 |  |
| 12/4/2007  | 24  | 108         | 10           | 924                    | 62          | 45                    | 5 1/2 |  |
| 12/5/2007  | 24  | 107         | 8            | 916                    | 73          | 45                    | 5 1/2 |  |
| 12/6/2007  | 24  | 93          | 8            | 908                    | 81          | 50                    | 5 1/2 |  |
| 12/7/2007  | 24  | 96          | 8            | 900                    | 87          | 55                    | 5 1/2 |  |
| 12/8/2007  |     |             |              | 900                    |             |                       |       |  |
| 12/9/2007  |     |             |              | 900                    |             |                       |       |  |
| 12/10/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/11/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/12/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/13/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/14/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/15/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/16/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/17/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/18/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/19/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/20/2007 |     |             |              | 900                    |             |                       |       |  |
| 12/21/2007 |     |             |              | 900                    |             |                       |       |  |
|            |     | <b>1369</b> | <b>604</b>   |                        | <b>1017</b> |                       |       |  |



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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

**SEP 13 2010**

Ref: 8P-W-GW

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

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

RE: Underground Injection Control (UIC)  
Additional Well Authorization  
Lone Tree Area Permit  
EPA UIC Permit UT20853-08877  
Well: Lone Tree Federal 11-21-9-17  
NESW Sec. 21 T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-33285

Dear Mr. Sundberg:

The Environmental Protection Agency (EPA), Region 8, hereby authorizes Newfield Production Company (Newfield) to convert the oil well Lone Tree Federal 11-21-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Lone Tree Area Permit UT20853-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval, and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

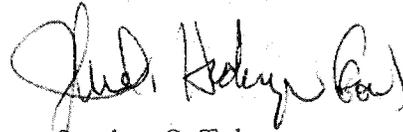
**RECEIVED**

**SEP 22 2010**

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

If you have any questions, please call Tom Aalto at (303) 312-6949 or 1-(800)-227-8917 (Ext. 312-6949). Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



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

Enclosures: Authorization for Additional Well  
EPA-Annotated Wellbore and P&A Diagrams

cc Letter Only:

Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Stewart Pike, Councilman  
Irene Cuch, Councilwoman  
Phillip Chimburas, Councilman  
Frances Poowegup, Vice-Chairwoman  
Richard Jenks, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

cc All Enclosures:

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
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

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

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

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit UT20853-00000**

The Lone Tree Final Underground Injection Control (UIC) Area Permit UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery in the Lone Tree Unit. On July 26, 2010, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

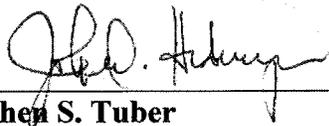
|                       |  |
|-----------------------|--|
| Well Name:            | <b>Lone Tree Federal 11-21-9-17</b>  |
| EPA Permit ID Number: | <b>UT20853-08877</b>   |
| Location:             | 1,911' FSL & 2,156' FWL<br>NESW Sec. 21 T9S-R17E<br>Duchesne County, Utah<br>API #43-013-33285 |

Pursuant to 40 CFR §144.33, Area UIC Permit UT20853-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit UT20853-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 9/13/10

  
\_\_\_\_\_

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

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

## INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Lone Tree Federal 11-21-9-17**

EPA Well ID Number: **UT20853-08877**

### Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone; and
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Note:** All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

**Approved Injection Zone:** The approved injection zone for this well is from the top of Green River Formation, Garden Gulch 2 Member, to the top of the Wasatch Formation. The approved injection zone depth interval for this well is: 3,561 ft. – 5,610 ft.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP for this well is **1,330** psig. The initial MAIP is based on the following calculation:

$$\text{MAIP} = [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where}$$
$$\text{FG} = 0.75 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 4,290 \text{ ft. (top perforation depth)}$$
$$\text{Initial MAIP} = \mathbf{1,330 \text{ psig}}$$

FG = Fracture Gradient      SG = Specific Gravity of Injectate (Maximum)

The UIC Area Permit provides the opportunity for the permittee to request a change of the initial MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cementing records, including the Cement Bond Log (CBL), have satisfactorily demonstrated the presence of adequate Cement Bond Index (CBI) cement to prevent the migration of injection fluids behind the casing from the injection zone. An EPA-annotated wellbore diagram is attached.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

**Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined that there is adequate 80% Cement Bond Index (CBI) cement in the well across the entire Confining Zone (Shale "B"). Therefore, no further demonstration of Part II (external) Mechanical Integrity is required.

**Demonstration of Financial Responsibility:** At the time of issuance of this Authorization for Additional Well UIC Permit, the Environmental Protection Agency Region 8 (EPA) has identified deficiencies in Newfield Production Company's (Newfield) Financial Statement submitted on June 10, 2010, as a demonstration of the company's ability to plug and abandon all Newfield injection wells permitted by EPA. EPA's Office of Enforcement, Compliance and Environmental Justice (ECEJ) is taking action to correct any deficiencies. EPA's Office of Partnerships and Regulatory Assistance (OPRA), the division responsible for issuing all UIC permits, has determined that these deficiencies in Financial Responsibility do not represent an imminent endangerment to underground sources of drinking water in the Monument Butte Field and that the issuance of UIC permits to Newfield should continue while ECEJ works with Newfield to correct any deficiencies. In the event that Newfield is unable to return to full compliance on Financial Responsibility within a reasonable period of time, OPRA may stop the issuance of new UIC permits to Newfield until Newfield fully demonstrates Financial Responsibility for all Newfield injection wells currently operating under EPA UIC permits.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). 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. 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. At a minimum, the following plugs are required:

- Plug No. 1: Set a cast iron bridge plug (CIBP) 50 ft. above the top injection zone perforations (at the time of this authorization, the top perforation is at 4,290 ft.). Set 100 ft. cement plug on top of the CIBP.

- Plug No. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona /Bird's Nest interval and the Mahogany Bench oil shale in a 147-foot cement plug from 2,439 ft. to 2,586 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a 147-foot cement plug inside the 5-1/2" casing from 2,439 ft. to 2,586 ft.
- Plug No. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,113 ft., in a 120-foot cement plug from 1,053 ft. to 1,173 ft., unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2" casing from 1,053 ft. to 1,173 ft.
- Plug No. 4: Perforate 5-1/2" casing at 374 ft. and squeeze cement up the 5-1/2"x 8-5/8" casing annulus to the surface, unless pre-existing backside cement precludes cement-squeezing this interval. Set a cement plug within the 5-1/2" casing from a depth of 374 ft. to the surface.

An EPA-annotated wellbore Plugging and Abandonment Plan diagram is attached.

## INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Lone Tree Federal 11-21-9-17**  
EPA Well ID Number: **UT20853-08877**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Greater Boundary Unit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 848 ft. in this well.

**Utah Division of Water Rights Information:** According to the state website, <http://utstnrwrt6.waterrights.utah.gov/cgi-bin/wrplat.exe>, there are no known reservoirs, streams, domestic or agricultural water wells within one-quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water:** The Total Dissolved Solids (TDS) content of water produced from the injection zone in the Green River Formation was determined to be 19,558 mg/l on February 19, 2010. Due to nearby injection activities of relatively fresh water for the purpose of enhanced oil recovery, this TDS value is likely not be representative of the original TDS content of formation waters at or near this well.

The TDS content of injectate was determined to be 14,518 mg/l on January 5, 2010. The planned injectate is water from the Newfield Injection Facility and consists of culinary water from the Green River supply line or the Johnson Water District supply line blended with produced Green River Formation water.

**Aquifer Exemption:** The TDS of water samples from the proposed injection formation is greater than 10,000 mg/l. Therefore, an aquifer exemption is not required for this proposed injection well.

**Confining Zone:** The UIC Area Permit established Areal Confining Zone (ACZ) (also known as the Administrative Confining Zone) directly overlies the Garden Gulch Member of the Green River Formation. However, an alternative confining zone beneath the ACZ has also been identified and approved by EPA. The alternative confining zone is referred to as Shale "B".

Shale "B": 3,510 ft. to 3,561 ft. Shale "B" is approximately 51 ft. in thickness. There is 80 percent Cement Bond Index cement across the interval 3,510 ft. to 3,561 ft. in Shale "B". Also, the Permittee proposed in the permit application that the base of Shale "B" (top of the Garden Gulch 2) be used as the bottom of the confining zone (and top of proposed injection zone) instead of the base of the ACZ. EPA is in agreement with that proposal as it represents a more conservative approach in this case. Therefore, EPA has determined that Shale "B" is the alternate confining zone for this well.

**Injection Zone:** The injection zone for this well is in the Green River Formation from the top of Garden Gulch 2 (base of Shale "B") at 3,561 ft., to the top of the Wasatch Formation at an estimated depth of approximately 5,610 ft. Due to the change in the designated confining zone, the injection zone has been limited to an interval from the base of Shale "B", at a depth of

3,561 ft. (top of Garden Gulch 2) to the top of the Wasatch Formation, at an estimated depth of approximately 5,610 ft. The Permittee proposed in the permit application that the injection zone (interval) be lowered to the top of the Garden Gulch #2 (the base of Shale "B") at a depth of 3,561 ft. for this well. EPA is in agreement with that proposal as it represents a more conservative approach in this case. The injection zone at this well location consists of approximately 2,049 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the base of Formation tops are either submitted by the operator or are based on correlations to the Newfield Monument Butte Type Log.

**Well Construction:** The Cement Bond Log (CBL) for this well shows 80% or greater Cement Bond Index (CBI) cement across a 51-foot interval in the confining zone (Shale "B"). EPA Region 8 guidance calls for at least 18-feet of 80 % CBI cement through the confining zone. Therefore, no further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is being required.

**Surface Casing:** 8-5/8" casing is set at 324 ft. in a 12-1/4" hole, using 160 sacks of Class "G" Cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,594 ft. in a 7-7/8" hole secured with 300 sacks of Prem. Lite II cement and 400 sacks of 50/50 POZ cement. Plugged back total depth is 5,555 ft. Cement Bond Log (CBL) shows Top of Cement (TOC) is at 247 ft.

**Perforations:** Top perforation: 4,290 ft. Bottom perforation: 5,379 ft.

Additional information concerning the well may be found on the state website:  
<http://oilgas.ogm.utah.gov/>

**Basis for Initial MAIP Calculation:** The initial MAIP was calculated by EPA using the following input values for the fracture gradient and injectate specific gravity:

**Fracture Gradient:** A fracture gradient value of 0.75 psi/ft. was selected by EPA because it is the most conservative fracture gradient for other nearby wells.

**Specific Gravity:** An injectate specific gravity value of 1.015 was selected by EPA because this value is the maximum expected specific gravity of injectate for this well.

**Well Plugging and Abandonment:** As discussed in the EPA Region 8 guidance, wells should be plugged and abandoned in a manner to prevent migration of fluids in the wellbore into or between USDWs. The four (4) cement plugs required for this well are as follows:

Plug No. 1 is required to prevent migration of fluids out of the injection zone. It is believed that there are no USDWs below Plug No. 1.

Plug No. 2 is required because the interval of the Green River Formation, containing the Bird's Nest and Trona Members, is reported to contain USDWs in places in the Uinta Basin, and the Mahogany Bench Member is an oil shale resource that is also being protected under U.S. Bureau of Land Management (BLM) requirements.

Plug No. 3 is required across the Uinta Formation/Green River Formation contact to prevent flow between USDWs.

Plug No. 4 is required to prevent fluids from migrating from the surface or from below into shallow USDWs.

### **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following two (2) AOR wells that penetrate the area confining zone within or proximate to a one-quarter (1/4) mile radius around the Lone Tree Federal 11-21-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

| <b><u>AOR Well</u></b>                  | <b><u>API Number</u></b> | <b><u>Location</u></b> |
|---|--------------------------|------------------------|
| <b>Lone Tree Federal<br/>10-21-9-17</b> | 43-013-34162             | NWSE Sec. 21 T9S R17E  |
| <b>Lone Tree Federal<br/>14-21-9-17</b> | 43-013-34161             | SESW Sec. 21 T9S R17E  |

#### **No Corrective Action Required for the AOR Wells**

As discussed below, no corrective action is being required for the two (2) AOR wells because the wells are shown to have adequate cement across the Shale "B" confining zone to prevent fluid migration in the wellbores. These points are discussed briefly below for each AOR well:

**Lone Tree Federal 10-21-9-17:** The well is a producing oil well. The CBL shows TOC at 92 ft. There is 80 % CBI cement in Shale "B" in the intervals 3,479 ft. to 3,513 ft., and 3,528 ft. to 3,557 ft.

**Lone Tree Federal 14-21-9-17:** The well is a producing oil well. The CBL shows TOC at 70 ft. There is 80 % CBI cement in Shale "B" in the intervals 3,412 ft. to 3,437 ft., and 3,444 ft. to 3,465 ft.

## **REPORTING REQUIREMENTS**

### **Reporting of Noncompliance:**

- (a) **Anticipated Noncompliance.** The operator 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.
- (b) **Compliance Schedules.** Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted to EPA for review no later than 30 days following each schedule date.
- (c) **Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance.** The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC)** at: **1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at: <http://www.nrc.uscg.mil/index.htm>

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he 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 operator shall submit such correct facts or information within two weeks of the time such information became known.

# Lone Tree Federal 11-21-9-17

Spud Date: 10-2-07  
 Put on Production: 11-20-07  
 GL: 5336' KB: 5348'

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.62')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144jts (5580.91')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 5594.16'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 247'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (5313.37')  
 TUBING ANCHOR: 5325.37'  
 NO. OF JOINTS: 1 jts (31.50')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5359.67' KB  
 NO. OF JOINTS: 2 jts (62.98')  
 TOTAL STRING LENGTH: EOT @ 5424.20' w/12' KB

*Continging Zone*  
*80% CBI Cement Throughout (shaded area)*

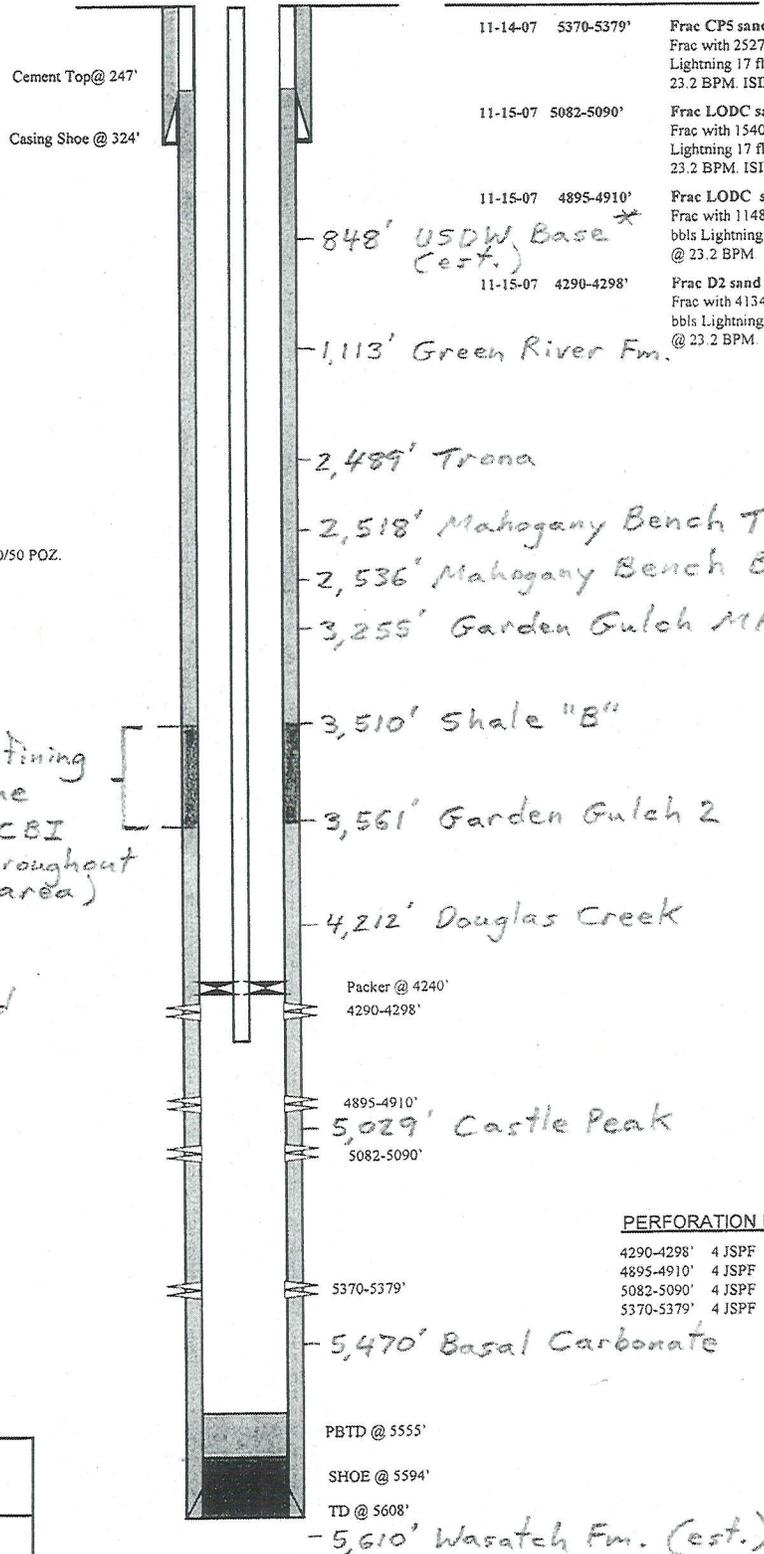
### FRAC JOB

11-14-07 5370-5379' Frac CPS sands as follows:  
 Frac with 25279# 20/40 sand in 354bbbls  
 Lightning 17 fluid. Treat at 2566 psi @  
 23.2 BPM. ISIP 2605 psi.

11-15-07 5082-5090' Frac LODC sands as follows:  
 Frac with 15407# 20/40 sand in 273 bbls  
 Lightning 17 fluid. Treat at 22603psi @  
 23.2 BPM. ISIP 2018psi.

11-15-07 4895-4910' Frac LODC sands as follows:  
 Frac with 114875# 20/40 sand in 829  
 bbls Lightning 17 fluid. Treat at 1977psi  
 @ 23.2 BPM. ISIP 2162 psi.

11-15-07 4290-4298' Frac D2 sand as follows:  
 Frac with 41341# 20/40 sand in 370  
 bbls Lightning 17 fluid. Treat at 1643 psi  
 @ 23.2 BPM. ISIP 1780 psi.



### PERFORATION RECORD

|            |        |          |
|------------|--------|----------|
| 4290-4298' | 4 JSPF | 32 holes |
| 4895-4910' | 4 JSPF | 60 holes |
| 5082-5090' | 4 JSPF | 32 holes |
| 5370-5379' | 4 JSPF | 36 holes |

\* USDW base estimated  
 using Utah DNR  
 Publication No. 92

**NEWFIELD**

**Lone Tree 11-21-9-17**  
 1911' FSL & 2156' FWL  
 NESW Section 21-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-33285; Lease #UTU-13905

UT20853-08877

# Lone Tree Federal 11-21-9-17

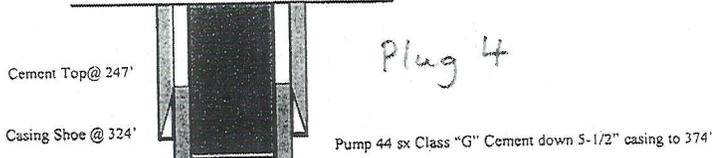
Tom Aalto  
EPA *TEA*

Spud Date: 10-2-07  
Put on Production: 11-20-07  
GL: 5336' KB: 5348'

## Proposed P & A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (312.62')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt



### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (5580.91')  
HOLE SIZE: 7-7/8"  
TOTAL DEPTH: 5594.16'  
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 247'

Plug 3

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1053'-1173')

Plug 2

147' balance plug using 17 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2439'-2586')

Plug 1

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 4240'  
4290-4298'

4895-4910'

5082-5090'

5370-5379'

PBTD @ 5555'

SHOE @ 5594'

TD @ 5608'

**NEWFIELD**

Lone Tree 11-21-9-17  
1911' FSL & 2156' FWL  
NESW Section 21-T9S-R17E  
Duchesne Co, Utah  
API #43-013-33285; Lease #UTU-13905

| STATE OF UTAH<br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9  |
|---|---|---|
|   |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-13905   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)   |
| <b>1. TYPE OF WELL</b><br>Oil Well  |   | <b>8. WELL NAME and NUMBER:</b><br>LONE TREE FED 11-21-9-17   |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |   | <b>9. API NUMBER:</b><br>43013332850000   |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052  | <b>PHONE NUMBER:</b><br>435 646-4825 Ext  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1911 FSL 2156 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NESW Section: 21 Township: 09.0S Range: 17.0E Meridian: S   |   | <b>COUNTY:</b><br>DUCHESNE  |
|   |   | <b>STATE:</b><br>UTAH   |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |   |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>4/9/2012<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> WILDCAT WELL DETERMINATION<br><input type="checkbox"/> OTHER |   |
|   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input type="text"/>  |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  |   |   |
| <p>The subject well has been converted from a producing oil well to an injection well on 04/03/2012. On 03/31/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/09/2012 the casing was pressured up to 1340 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20853-08877</p> |   | <p><b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining<br/>FOR RECORD ONLY<br/>May 07, 2012</b></p> |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874   | <b>TITLE</b><br>Water Services Technician   |
| <b>SIGNATURE</b><br>N/A   |   | <b>DATE</b><br>4/19/2012  |

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 04 109 12012  
 Test conducted by: Lynn Mosier  
 Others present: \_\_\_\_\_

UT 20853-08877

|   |                                   |                  |
|---|-----------------------------------|------------------|
| Well Name: <u>Long tree Federal 11-21-9-17</u>  | Type: ER SWD                      | Status: AC TA UC |
| Field: <u>Monument Butte</u>  |                                   |                  |
| Location: <u>NE/SW</u> Sec: <u>21</u> T <u>9</u> N <u>10</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u> |                                   |                  |
| Operator: <u>New Field</u>  |                                   |                  |
| Last MIT: <u>/ /</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   |
|---|--|---|---|
| <b>TUBING PRESSURE</b>                  |  |   |   |
| Initial Pressure                        | <u>0</u> psig  | psig  | psig  |
| End of test pressure                    | <u>0</u> psig  | psig  | psig  |
| <b>CASING / TUBING ANNULUS PRESSURE</b> |  |   |   |
| 0 minutes                               | <u>1340</u> psig   | psig  | psig  |
| 5 minutes                               | <u>1340</u> psig   | psig  | psig  |
| 10 minutes                              | <u>1340</u> psig   | psig  | psig  |
| 15 minutes                              | <u>1340</u> psig   | psig  | psig  |
| 20 minutes                              | <u>1340</u> psig   | psig  | psig  |
| 25 minutes                              | <u>1340</u> psig   | psig  | psig  |
| 30 minutes                              | <u>1340</u> psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| <b>RESULT</b>                           | <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: \_\_\_\_\_



## Daily Activity Report

### Format For Sundry

**LONETREE 11-21-9-17**

**1/1/2012 To 5/30/2012**

**4/17/2012 Day: 1**

**Conversion**

Nabors #1450 on 4/17/2012 - MIRUSU NWS #1450. Pressure test tbg. - Crew travel - MIRUSU NWS #1450. Hot oiler had pumped 60 bw down csg @ 250°. RD pumping unit. Un-seat rod pump. Flush rods & tbg w/ 30 bw @ 250°. Soft seat rod pump. Pressure test tbg to 3000 psi. Good test. Retrieve rods. SDFN - MIRUSU NWS #1450. Hot oiler had pumped 60 bw down csg @ 250°. RD pumping unit. Un-seat rod pump. Flush rods & tbg w/ 30 bw @ 250°. Soft seat rod pump. Pressure test tbg to 3000 psi. Good test. Retrieve rods. SDFN - Crew travel **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$4,431

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**4/18/2012 Day: 3**

**Conversion**

Nabors #1450 on 4/18/2012 - Lay down excess tbg. Trip in hole w/ pkr & injection string. Attempt to get tbg test w/ out success - Crew travel - Crew travel - Open well. Lay down 43 jts tbg. MU Weatherford 5 1/2" AS-1X pkr & PSN. TIH w/ 60 jts tbg. Pump 10 bw & drop SV. Pressure test tbg to 3000 psi. Attempted to get test w/ out success. Pressure up to 3000 psi. SDFD - Open well. Lay down 43 jts tbg. MU Weatherford 5 1/2" AS-1X pkr & PSN. TIH w/ 60 jts tbg. Pump 10 bw & drop SV. Pressure test tbg to 3000 psi. Attempted to get test w/ out success. Pressure up to 3000 psi. SDFD - Open well. Lay down 43 jts tbg. MU Weatherford 5 1/2" AS-1X pkr & PSN. TIH w/ 60 jts tbg. Pump 10 bw & drop SV. Pressure test tbg to 3000 psi. Attempted to get test w/ out success. Pressure up to 3000 psi. SDFD - Crew travel & pre-job safety meeting. - Crew travel & pre-job safety meeting. - Crew travel & pre-job safety meeting. - Crew travel - Crew travel - Crew travel - Open well. LD polished rod. TOOH lating down rod string. Get out of hole w/ 1 - 3/4" x 6' pony sub, 208 - 3/4" guided rods (4 per), & 6 - 1 1/2" wt bars (flushed 3 additional times w/ 70 total bw). LD rod pump. X-over to tbg equipment. ND well head. Release TAC. TOOH tallying, breaking collars & applying Liquid O-Ring to threads w/ 130 jts tbg. SDFN - Open well. LD polished rod. TOOH lating down rod string. Get out of hole w/ 1 - 3/4" x 6' pony sub, 208 - 3/4" guided rods (4 per), & 6 - 1 1/2" wt bars (flushed 3 additional times w/ 70 total bw). LD rod pump. X-over to tbg equipment. ND well head. Release TAC. TOOH tallying, breaking collars & applying Liquid O-Ring to threads w/ 130 jts tbg. SDFN - Open well. LD polished rod. TOOH lating down rod string. Get out of hole w/ 1 - 3/4" x 6' pony sub, 208 - 3/4" guided rods (4 per), & 6 - 1 1/2" wt bars (flushed 3 additional times w/ 70 total bw). LD rod pump. X-over to tbg equipment. ND well head. Release TAC. TOOH tallying, breaking collars & applying Liquid O-Ring to threads w/ 130 jts tbg. SDFN - Crew travel & pre-job safety meeting. - Crew travel & pre-job safety meeting. - Crew travel & pre-job safety meeting. - Crew travel - Crew travel - Crew travel - Check tbg pressure. 2200 psi. Bump up to 3000 psi. Good test. Continue TIH w/ remaining 90 jts tbg. Pressure test tbg to 3000 psi. Had to bump up 2 additional times. Good 30 min test. RIH w/ sand line. Retrieve SV. POOH w/ sand line. RD work floor. ND BOP. MU well head flange. Land tbg. Circulate pkr fluid. Set pkr & land tbg w/ 16000# tension. Pressure up to 1400 psi. Had to bump up 3 times to get solid 30 min test. RDMOSU NWS #1450. READY FOR MIT!! - Check tbg pressure. 2200 psi. Bump up to 3000 psi. Good test. Continue TIH w/ remaining 90 jts tbg. Pressure test tbg to 3000 psi. Had to bump up 2 additional times. Good 30 min test. RIH w/ sand line. Retrieve SV. POOH w/ sand line. RD work floor. ND BOP. MU well head flange. Land tbg. Circulate pkr fluid. Set pkr & land tbg w/ 16000# tension. Pressure up to 1400 psi. Had to bump up 3 times to get solid 30 min test. RDMOSU NWS #1450. READY FOR MIT!! - Check tbg pressure. 2200 psi. Bump up to 3000 psi. Good test.

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**Daily Cost:** \$0

**Cumulative Cost:** \$19,311

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**4/19/2012 Day: 5**

**Conversion**

Rigless on 4/19/2012 - Conduct initial MIT - On 03/31/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/09/2012 the casing was pressured up to 1340 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20853-08877 - On 03/31/2012

Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/09/2012 the casing was pressured up to 1340 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20853-08877 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$74,742

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

**MAY 08 2012**

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

**RECEIVED**

**MAY 14 2012**

DIV. OF OIL, GAS & MINING

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20853-08877  
Well: Lone Tree Federal 11-21-9-17  
NESW Sec. 21-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-33285

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) April 19, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20853-08877.

As of the date of this letter, Newfield is authorized to commence injection into the Lone Tree Federal 11-21-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,330 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

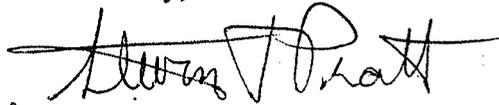
Ms. Sarah Roberts  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20853-08877.

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

Sincerely,



for Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Richard Jenks, Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company



*Printed on Recycled Paper*

|  |   |
|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | FORM 9<br><br><b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-13905  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7.UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)                |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   | <b>8. WELL NAME and NUMBER:</b><br>LONE TREE FED 11-21-9-17   |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   | <b>9. API NUMBER:</b><br>43013332850000   |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   | <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1911 FSL 2156 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NESW Section: 21 Township: 09.0S Range: 17.0E Meridian: S  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE<br><br><b>COUNTY:</b><br>DUCHESNE<br><br><b>STATE:</b><br>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<br>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<br>Date of Work Completion:<br>9/14/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" type="checkbox"/> CONVERT WELL TYPE   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:                                       | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input checked="" type="checkbox"/> OTHER               | OTHER: <input type="text" value="Put on Injection"/>    |

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

The above reference well was put on injection at 1:30 PM on 09/14/2012. EPA # UT20853-08877

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 25, 2012

|   |                                     |   |
|---|-------------------------------------|---|
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto | <b>PHONE NUMBER</b><br>435 646-4874 | <b>TITLE</b><br>Water Services Technician |
| <b>SIGNATURE</b><br>N/A                           | <b>DATE</b><br>9/20/2012            |   |

Spud Date: 10-2-07  
 Put on Production: 11-20-07  
 GL: 5336' KB: 5348'

# Lone Tree Federal 11-21-9-17

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.62')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

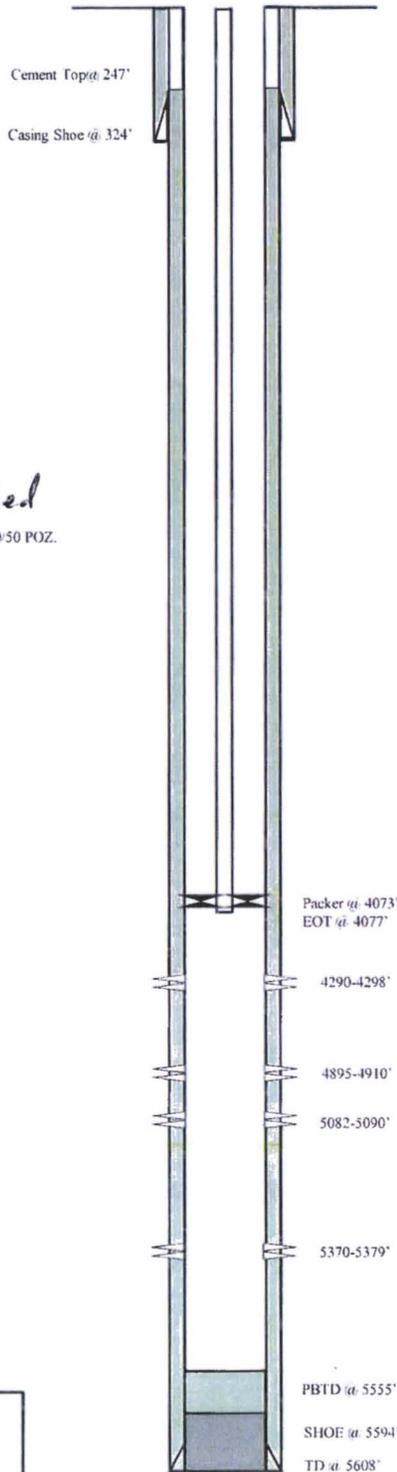
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (5580.91')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 5594.16' *Depth landed*  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50-50 POZ.  
 CEMENT TOP AT: 247'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4056.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4068.9' KB  
 CE @ 4073'  
 TOTAL STRING LENGTH: EOT @ 4077' w/ 12' KB

## Injection Wellbore Diagram



## FRAC JOB

11-14-07 5370-5379' **Frac CPS sands as follows:**  
 Frac with 25279# 20/40 sand in 354bbbs Lightning 17 fluid. Treat at 2566 psi @ 23.2 BPM. ISIP 2605 psi.

11-15-07 5082-5090' **Frac LODC sands as follows:**  
 Frac with 15407# 20/40 sand in 273 bbbs Lightning 17 fluid. Treat at 22603psi @ 23.2 BPM. ISIP 2018psi.

11-15-07 4895-4910' **Frac LODC sands as follows:**  
 Frac with 1148758# 20/40 sand in 829 bbbs Lightning 17 fluid. Treat at 1977psi @ 23.2 BPM. ISIP 2162 psi.

11-15-07 4290-4298' **Frac D2 sand as follows:**  
 Frac with 41341# 20/40 sand in 370 bbbs Lightning 17 fluid. Treat at 1643 psi @ 23.2 BPM. ISIP 1780 psi.

3-26-11 **Parted Rods.** Updated rod & tubing detail.

04-03-12 **Conversion to Injection Well**

04-09-12 **Conversion MIT Finalized** - update tbg detail

## PERFORATION RECORD

|            |        |          |
|------------|--------|----------|
| 4290-4298' | 4 JSPF | 32 holes |
| 4895-4910' | 4 JSPF | 60 holes |
| 5082-5090' | 4 JSPF | 32 holes |
| 5370-5379' | 4 JSPF | 36 holes |

**NEWFIELD**

Lone Tree 11-21-9-17  
 1911' FSL & 2156' FWL  
 NESW Section 21-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-33285; Lease #UTU-13905