



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

Lone Tree Federal 2-21-9-17	Lone Tree Federal 8-21-9-17
Lone Tree Federal 3-21-9-17	Lone Tree Federal 9-21-9-17
Lone Tree Federal 4-21-9-17	Lone Tree Federal 11-21-9-17
Lone Tree Federal 5-21-9-17	Lone Tree Federal 12-21-9-17
Lone Tree Federal 6-21-9-17	Lone Tree Federal 13-21-9-17
Lone Tree Federal 7-21-9-17	Lone Tree Federal 16-21-9-17

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 5-21-9-17

9. API Well No.
43013-33290

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
SW/NW 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 SW/NW 1975' FNL 658' FWL 583811X 40.018371
At proposed prod. zone 4430048Y -110.017920

14. Distance in miles and direction from nearest town or post office*
Approximatley 16.4 miles southeast of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 655' f/ise, 658' 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. 1479'

19. Proposed Depth
5655'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5340' 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:

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

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

Title: Regulatory Specialist

Approved by (Signature): *Bradley G. Hill*
Name (Printed/Typed): BRADLEY G. HILL
Date: 08-29-06

Title:
Office: 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)

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

Federal Approval of this
Action Is Necessary

**NEWFIELD PRODUCTION COMPANY
LONE TREE FEDERAL #5-21-9-17
SW/NW 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' – 1980'
Green River	1980'
Wasatch	5655'

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

Green River Formation 1980' – 5655' - 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 #5-21-9-17
SW/NW 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 #5-21-9-17 located in the SW 1/4 NW 1/4 Section 21, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 11.7 miles ± to it's junction with an existing dirt road to the southwest; proceed southwesterly – 0.9 miles ± to it's junction with an existing road to the south; proceed southeasterly – 2.0 miles ± to it's junction with the beginning of the proposed access road to the southwest; proceed southwesterly along the proposed access road – 870' ± 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 #5-21-9-17 Newfield Production Company requests 870' 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 870' 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 870' 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.

Mountain Plover: If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

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 #5-21-9-17 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 #5-21-9-17 SW/NW 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

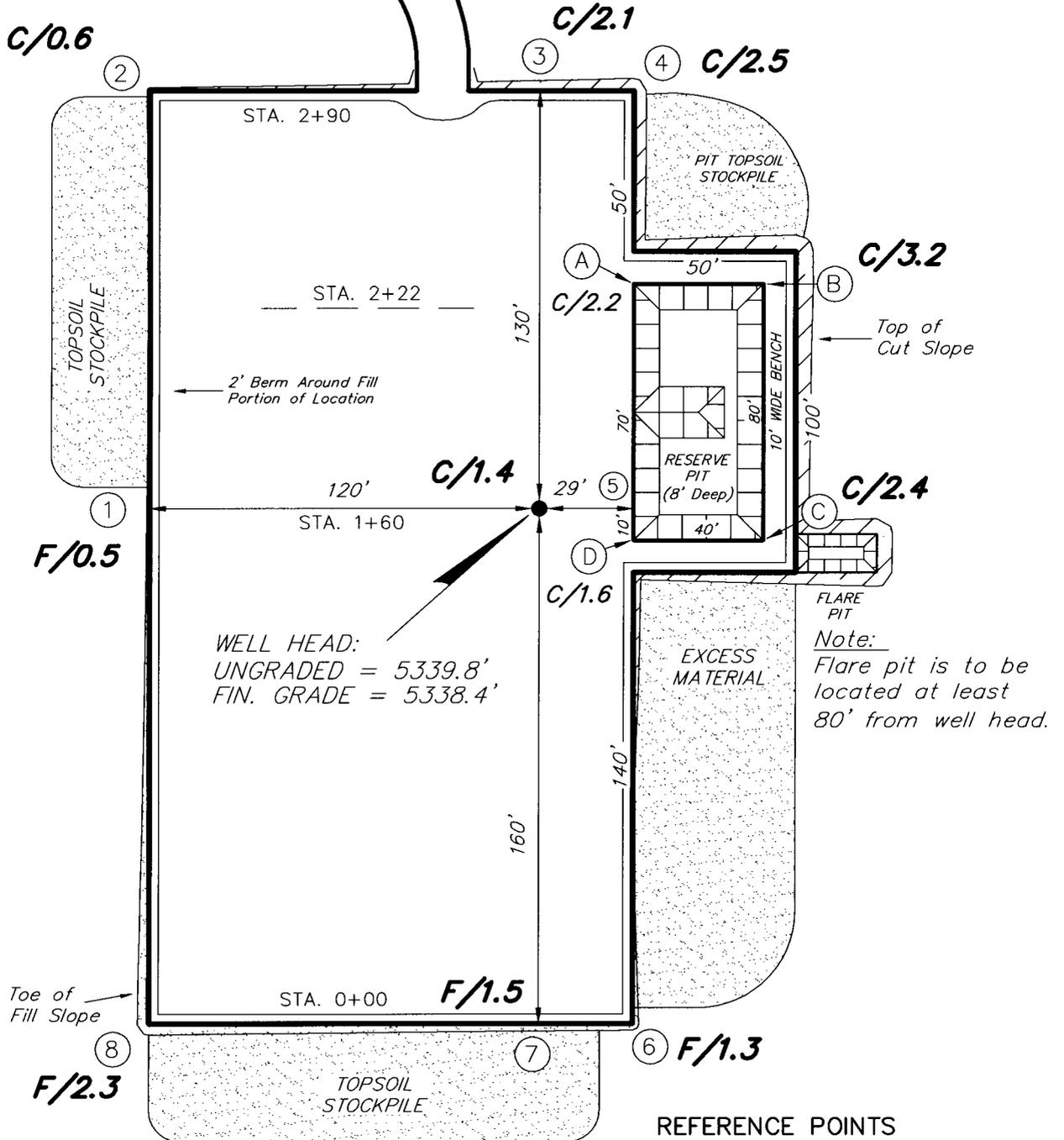
NEWFIELD PRODUCTION COMPANY

LONE TREE 5-21-9-17

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



PROPOSED ACCESS ROAD (Max. 6% Grade)



REFERENCE POINTS

- 210' NORTHEASTERLY = 5335.1'
- 260' NORTHEASTERLY = 5332.4'
- 170' SOUTHEASTERLY = 5337.5'
- 220' SOUTHEASTERLY = 5336.9'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

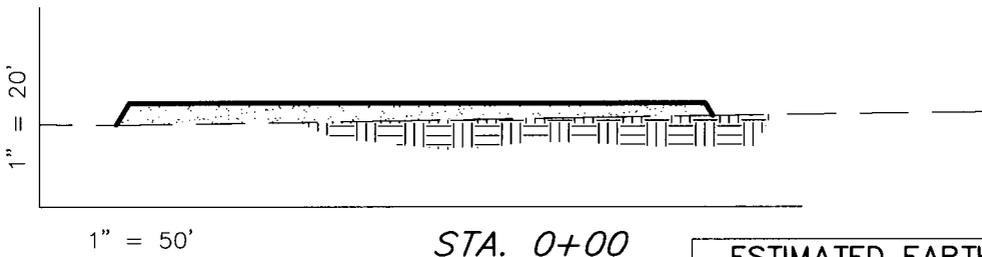
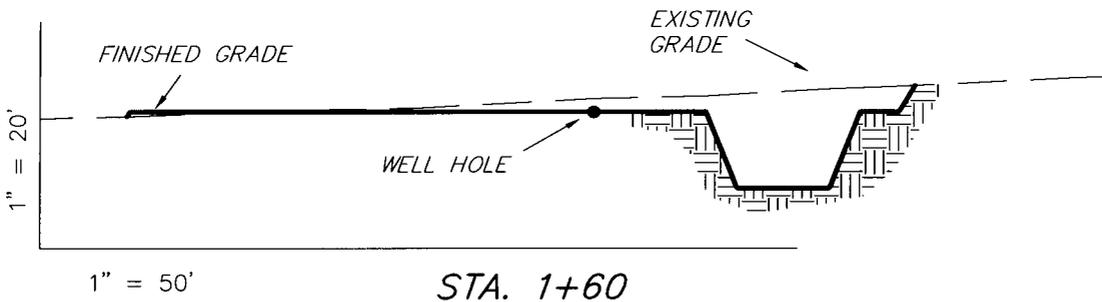
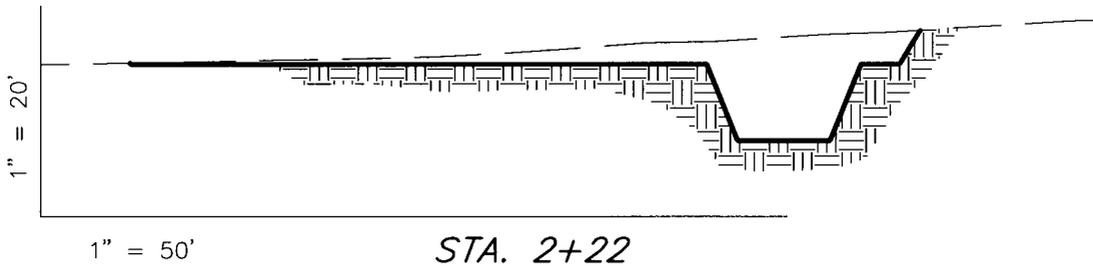
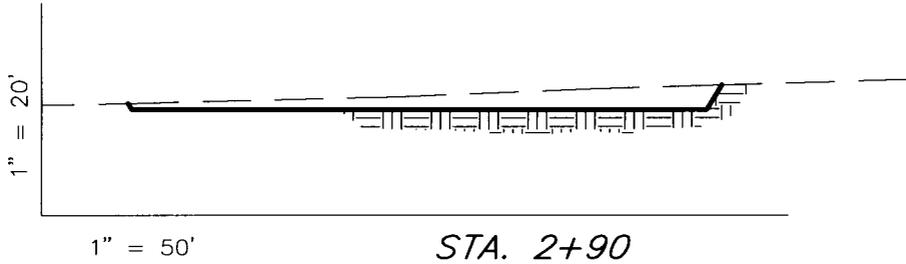
DATE: 05-10-06

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

NEW FIELD PRODUCTION COMPANY

CROSS SECTIONS

LONE TREE 5-21-9-17



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	950	950	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	1,590	950	950	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 05-10-06

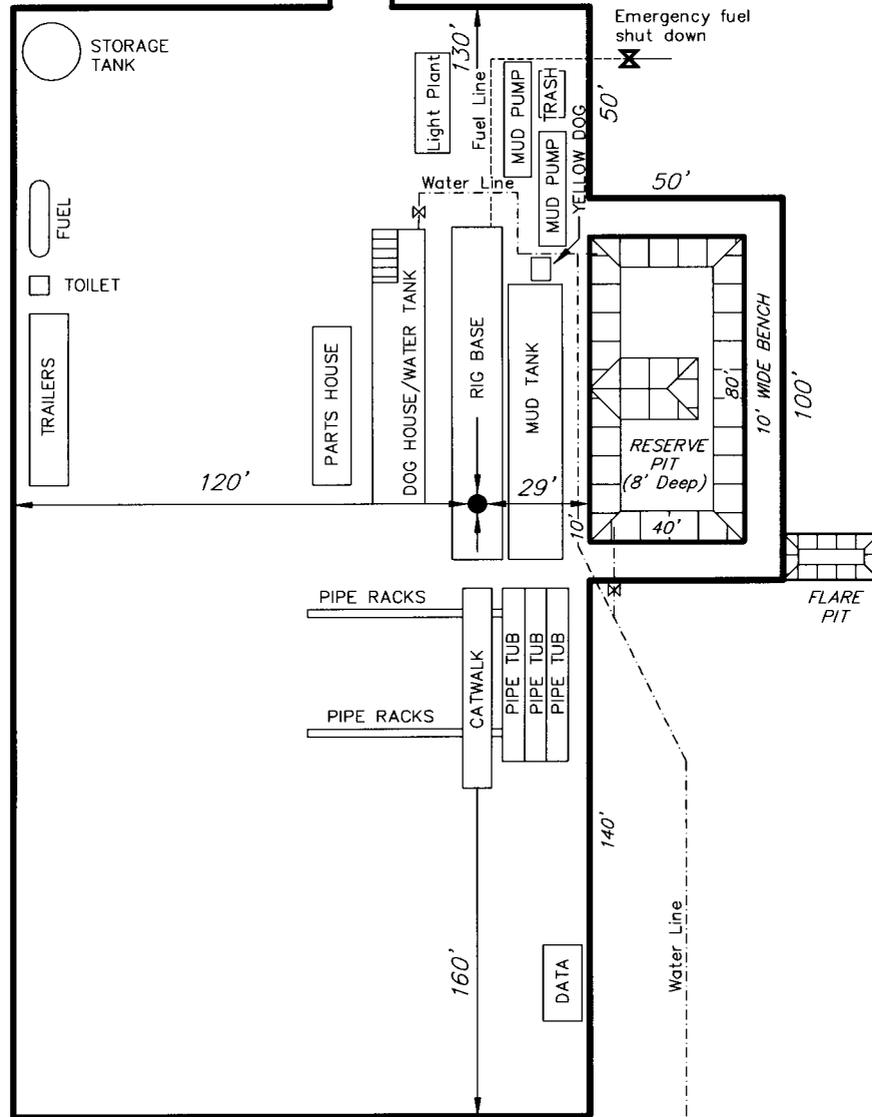
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

LONE TREE 5-21-9-17

PROPOSED ACCESS ROAD (Max. 6% Grade)

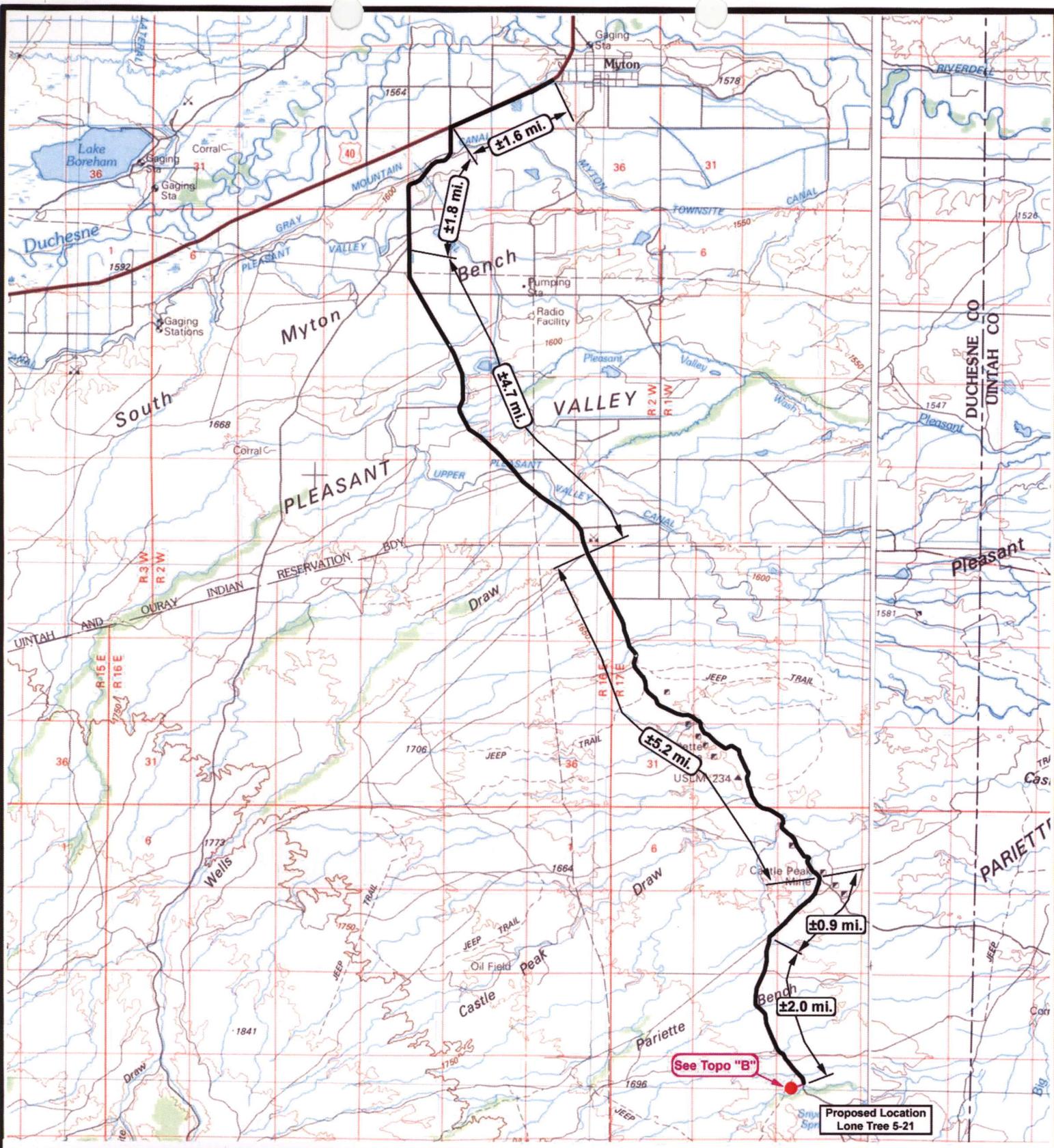


SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 05-10-06

(435) 781-2501

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



Lone Tree 5-21-9-17
SEC. 21, T9S, R17E, S.L.B.&M.



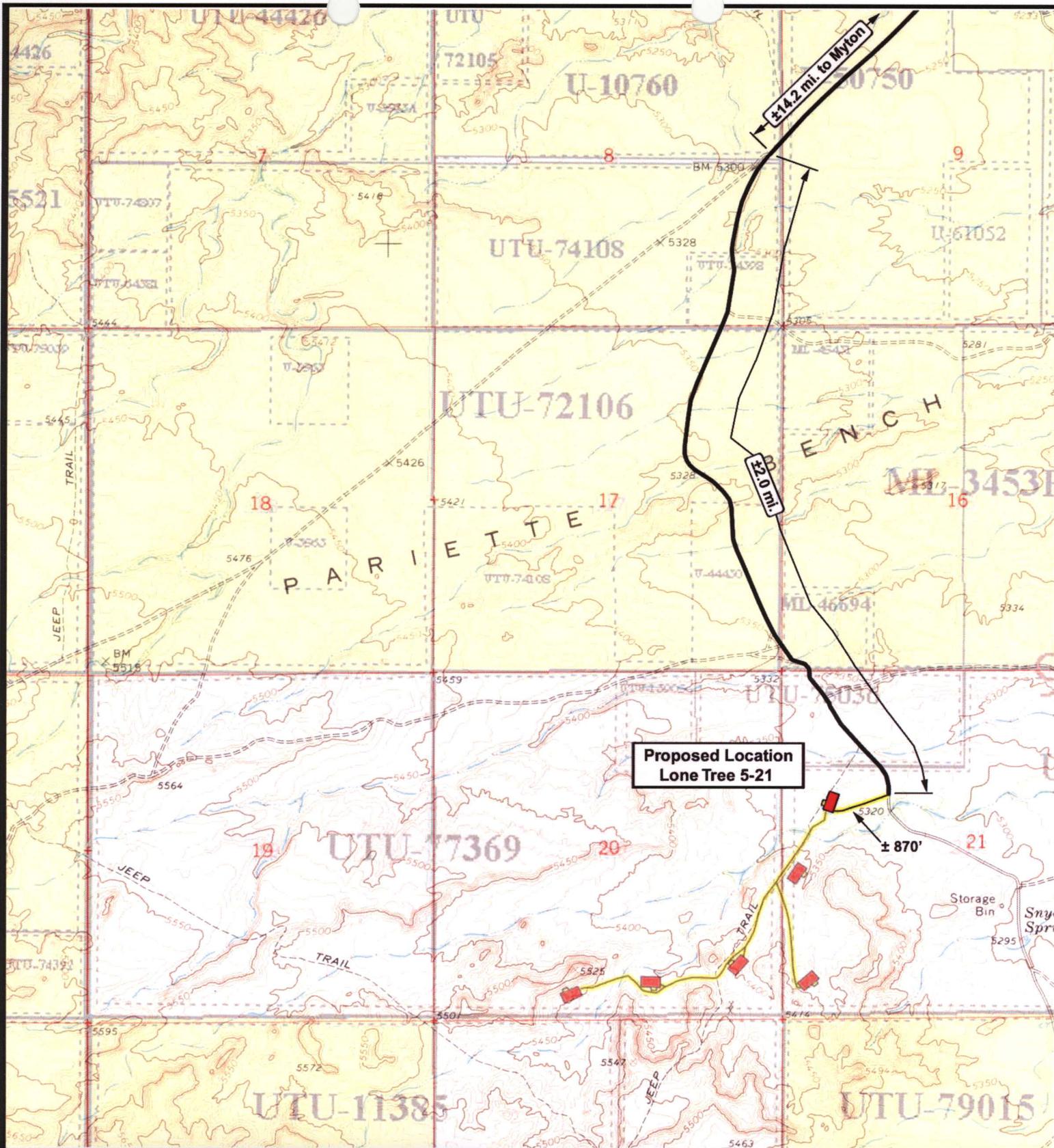
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: mw
 DATE: 05-11-2006

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Lone Tree 5-21-9-17
SEC. 21, T9S, R17E, S.L.B.&M.



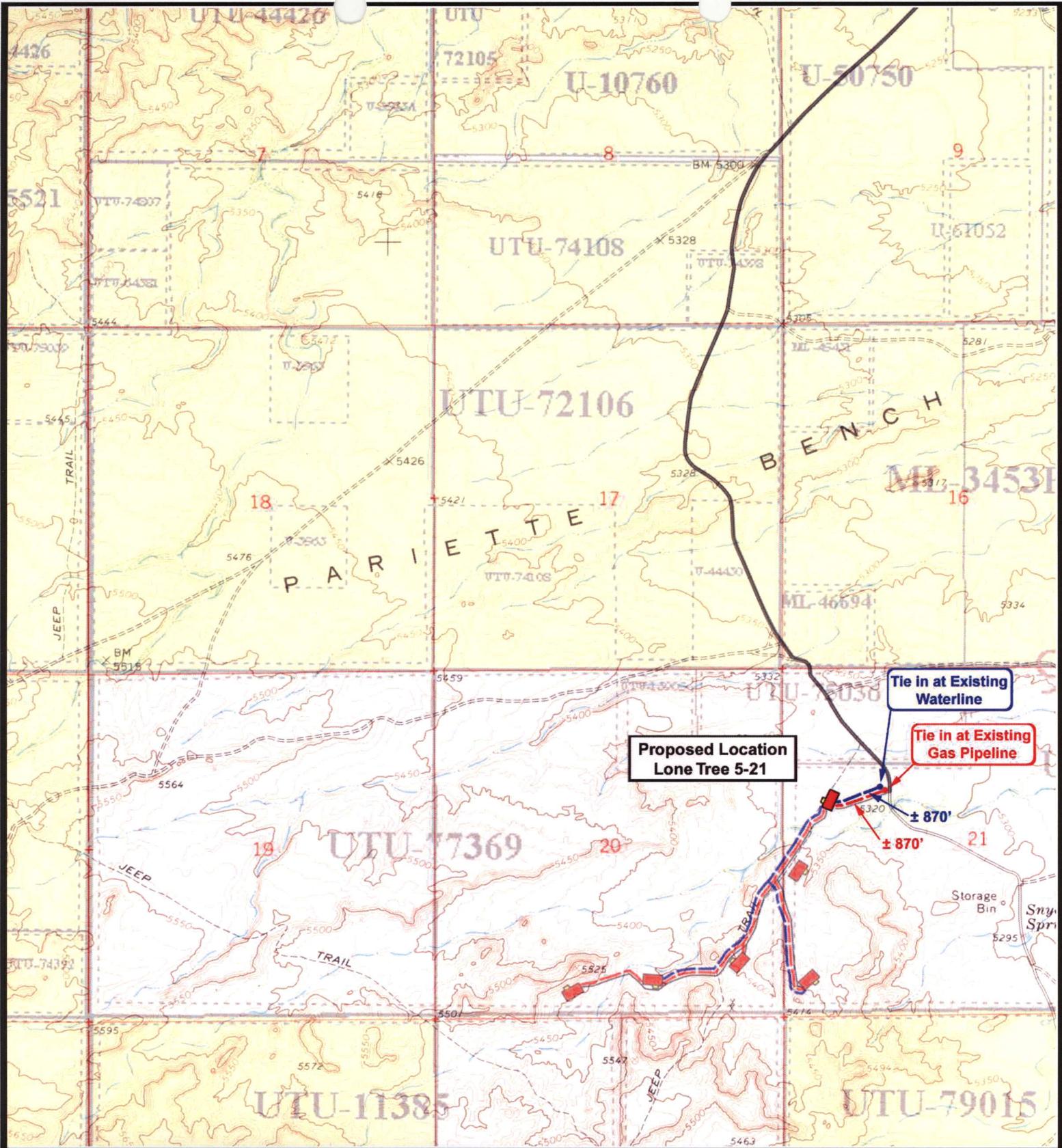
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 05-12-2006

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"B"



**Proposed Location
Lone Tree 5-21**

**Tie in at Existing
Waterline**

**Tie in at Existing
Gas Pipeline**

± 870'

± 870'

Storage Bin
Sny Spr
5295

NEWFIELD
Exploration Company

Lone Tree 5-21-9-17
SEC. 21, T9S, R17E, S.L.B.&M.



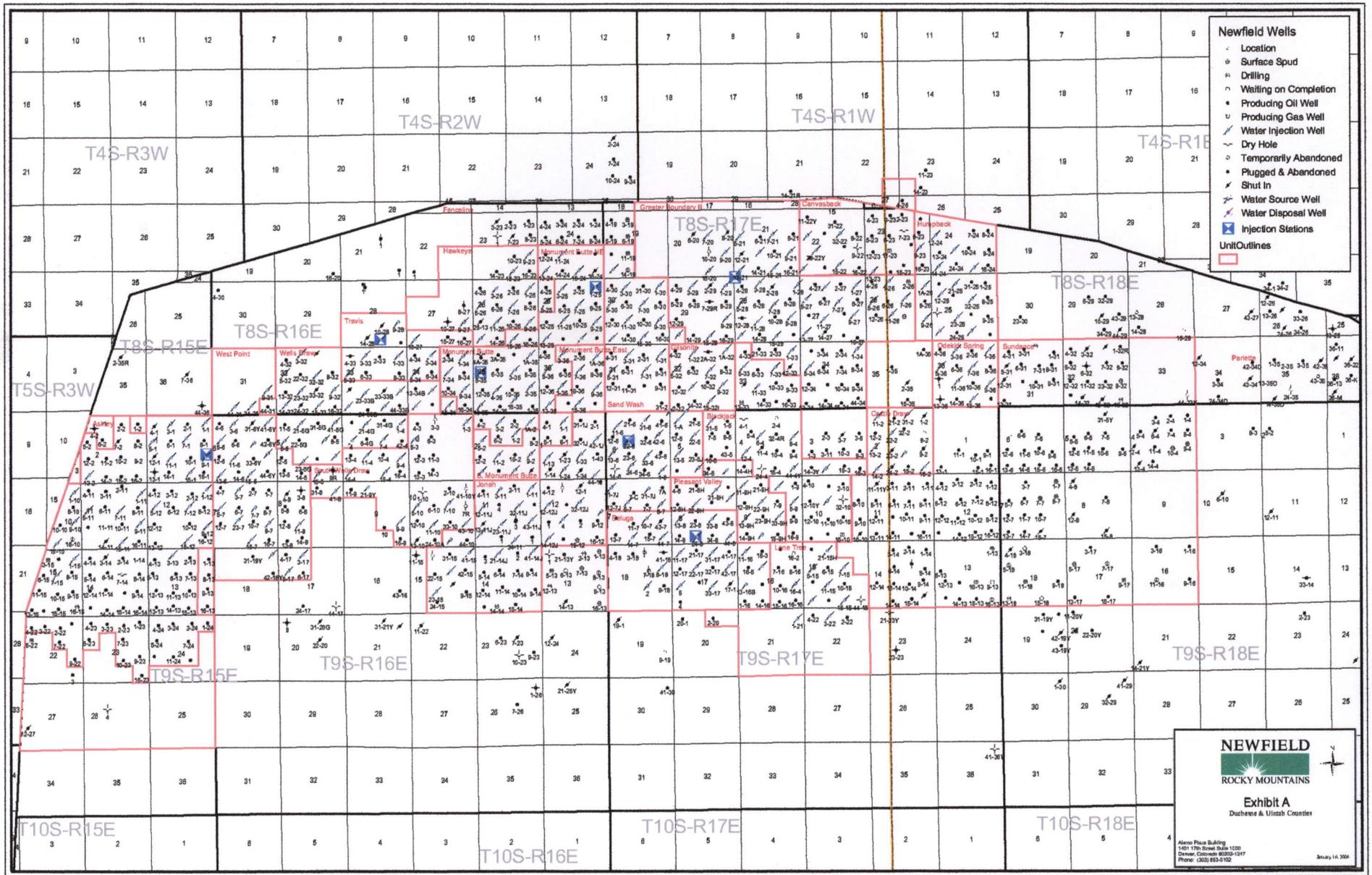
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

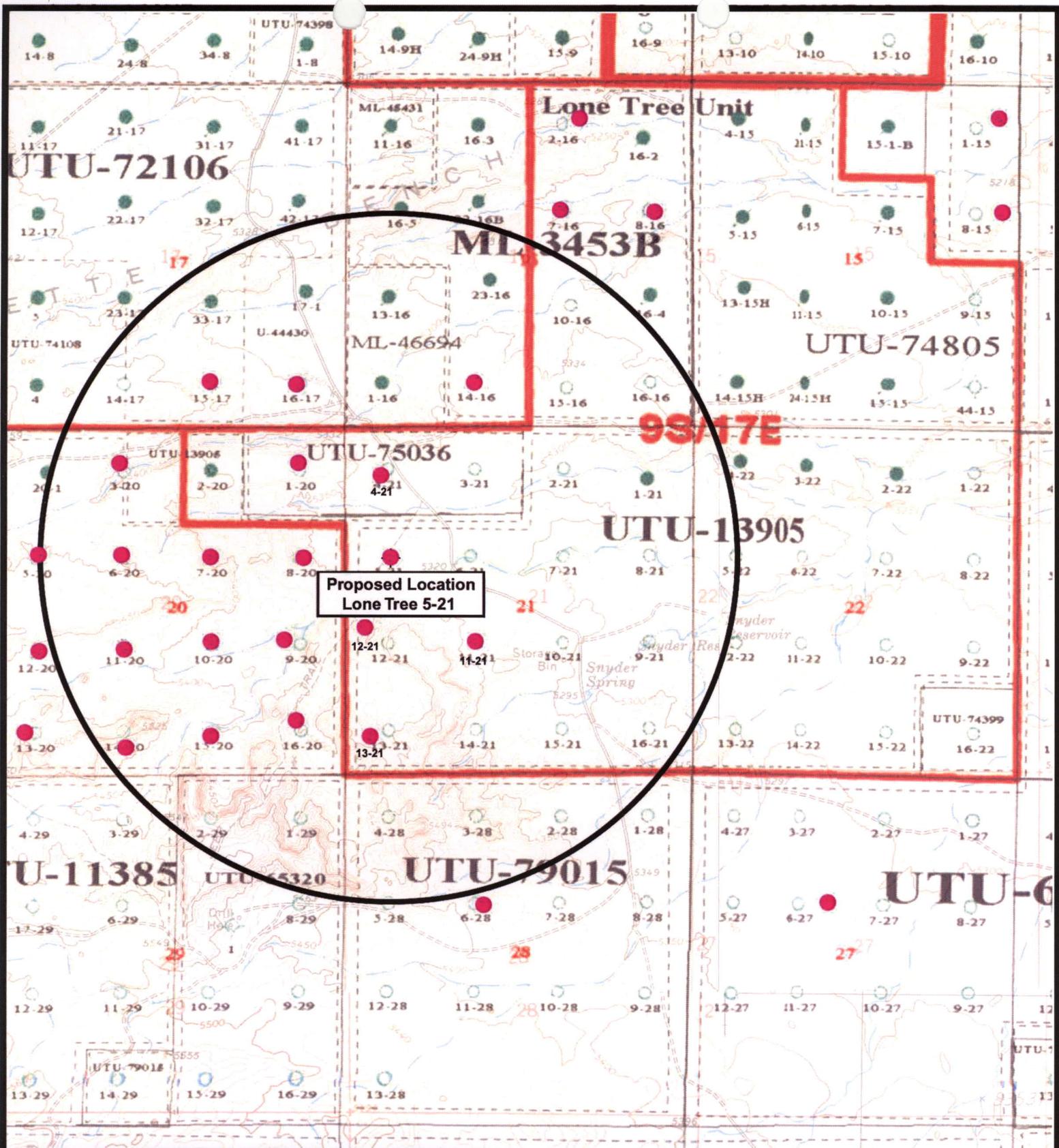
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 05-12-2006

Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP
"C"





Proposed Location
Lone Tree 5-21

NEWFIELD
Exploration Company

Lone Tree 5-21-9-17
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: 05-12-2006

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

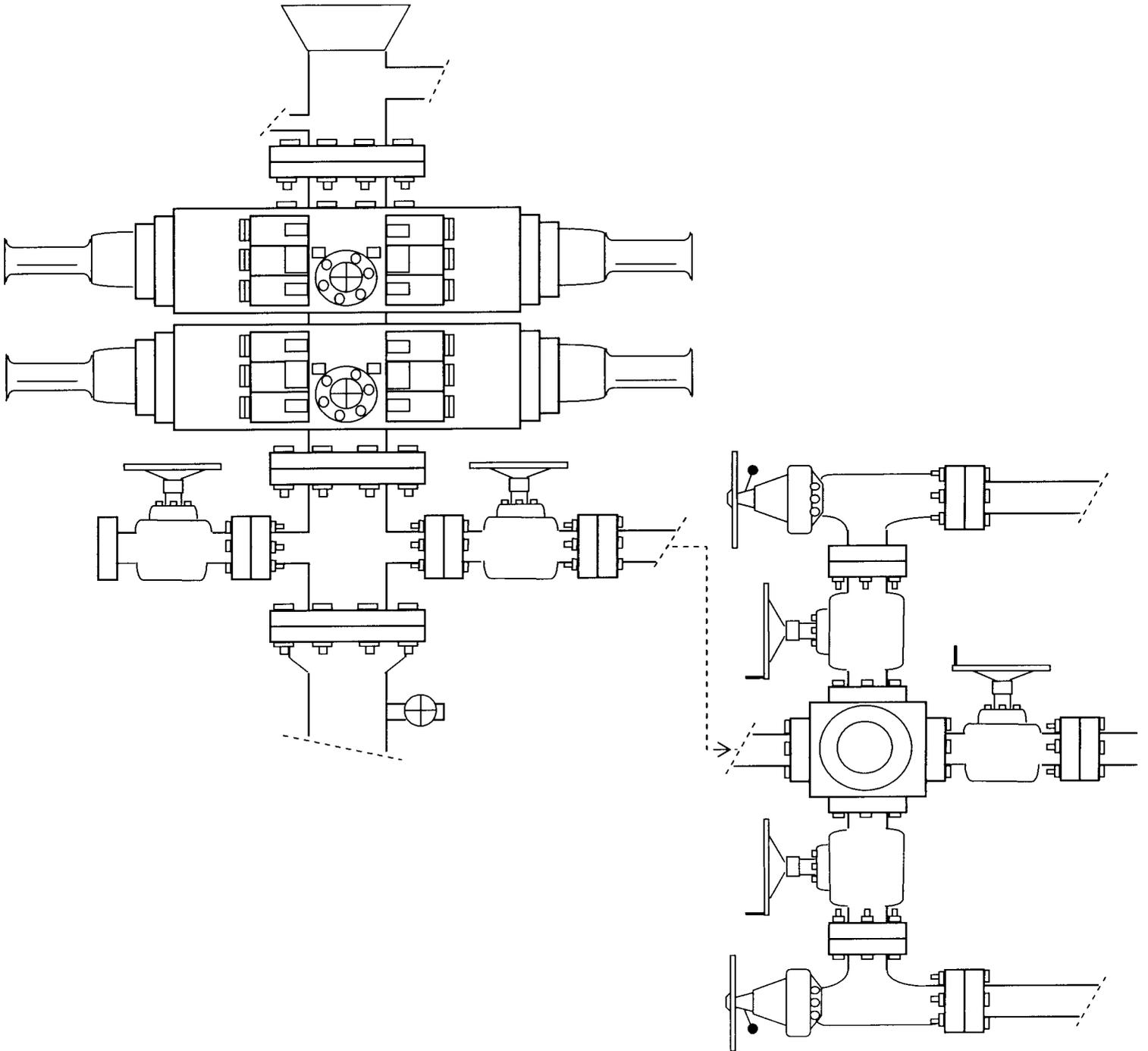


EXHIBIT C

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

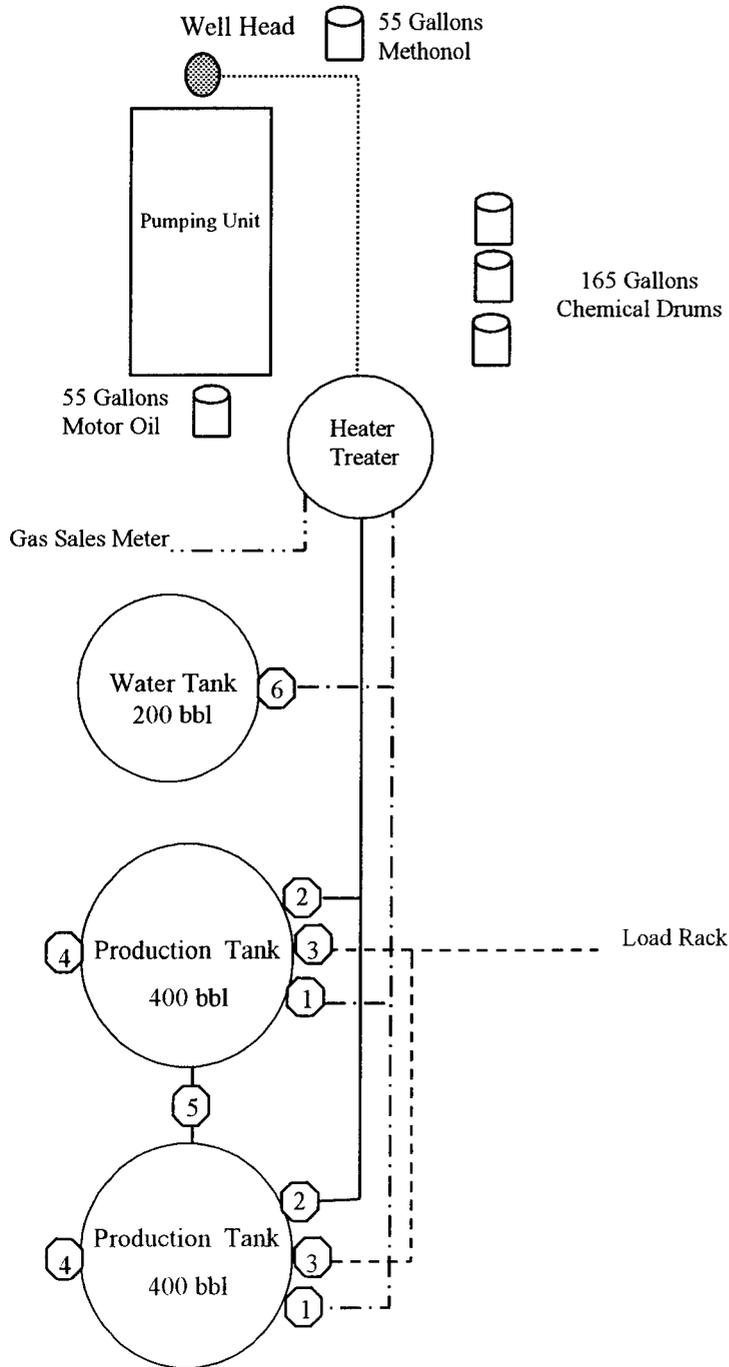
Newfield Production Company Proposed Site Facility Diagram

Lone Tree Federal 5-21-9-17

SW/NW Sec. 21, T9S, 17E

Duchesne County, Utah

UTU-13905



Legend

Emulsion Line
Load Rack	-----
Water Line	-----
Gas Sales	-----
Oil Line	—————

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

Diked Section



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/25/2006

API NO. ASSIGNED: 43-013-33290

WELL NAME: LONE TREE FED 5-21-9-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:
 SWNW 21 090S 170E
 SURFACE: 1975 FNL 0658 FWL
 BOTTOM: 1975 FNL 0658 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.01837 LONGITUDE: -110.0179
 UTM SURF EASTINGS: 583811 NORTHINGS: 4430048
 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: Suspends General Siting

 R649-3-11. Directional Drill

COMMENTS: Sep. 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

LONE TREE FED
11-21-9-17

NGC FEDERAL
33-21-H

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

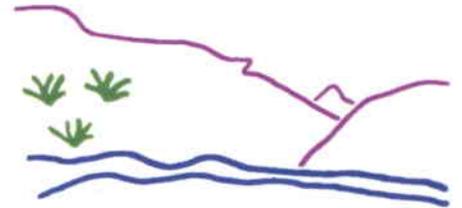
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: UINTAH

CAUSE: 228-5 / 8-26-1998



Utah Oil Gas and Mining

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

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

Wells Status

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



PREPARED BY: DIANA WHITNEY
DATE: 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 5-21-9-17 Well, 1975' FNL, 658' FWL, SW NW, 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 43-013-33290.

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 5-21-9-17
API Number: 43-013-33290
Lease: UTU-13905

Location: SW NW **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

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 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 N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Lone Tree
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Lone Tree Federal 5-21-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33290
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1975' FNL 658' FWL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 16.4 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area SW/NW 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. 655' f/lse, 658' f/unit	16. No. of Acres in lease 1200.00	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 40 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1479'	19. Proposed Depth 5655'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5340' 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:

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

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

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

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

*(Instructions on reverse)

RECEIVED

APR 09 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

No NOS

UDOGM

07CX50048A



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Lone Tree Federal 5-21-9-17
API No: 43-013-33290

Location: SWNW, Sec. 21, T9S, R17E
Lease No: UTU-13905
Agreement: Lone Tree Unit

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

Fax: (435) 781-4410

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

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

NOTIFICATION REQUIREMENTS

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

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

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.
- Wildlife stipulations:
 1. The proposed area contains Mountain Plover habitat. **With this occurrence there will be a time restriction from May 15 – June 15.**
 2. There are two Golden eagle nest 0.5 miles SE of the location, but are not in line-of-site. **With this occurrence there will be a time restriction to Protect Golden Eagle nesting from February 1 – July 15.**

Lease Notices from Resource Management Plan:

The lessee/operator is given notice the area has been identified as containing Golden Eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments:

1. The proposed are contains Mountain Plover habitat.
2. There are two Golden Eagle nests within ½ mile of the location, but are not in line-of-sight.
3. If it is anticipated that construction or drilling will occur during the given timing restriction for any wildlife, a BLM or qualified biologist should be notified so surveys can be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

CONDITIONS OF APPROVAL:

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

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

Crested Wheatgrass (<i>Agropyron cristatum</i>):	4 lbs/acre
Indian Ricegrass (<i>Achnatherum hymenoides</i>):	4 lbs/acre
Needle and Threadgrass (<i>Hesperostipa comata</i>):	4 lbs/acre
Scarlet Globemallow (<i>Sphaeralcea coccinea</i>)	1 lbs/acre

 - All pounds are in pure live seed.
 - Rates are set for drill seeding; double the rate if broadcasting.
 - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding 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. 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 5-21-9-17

9. API Well No.
43-013-33290

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)
1975 FNL 658 FWL SW/NW 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 <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Permit Extension
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

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

Approved by the
Utah Division of
Oil, Gas and Mining

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

COPY SENT TO OPERATOR
Date: 8-15-07
Initials: DM

RECEIVED
AUG 14 2007
DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier 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: 43-013-33290
Well Name: Lone Tree Federal 5-21-9-17
Location: SW/NW 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 NA

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

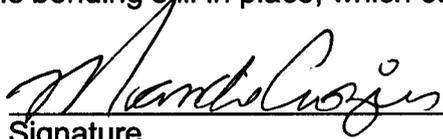
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

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

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

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


Signature

8/10/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

AUG 14 2007

DEPT OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: LONE TREE FED 5-21-9-17

Api No: 43-013-33290 Lease Type: FEDERAL

Section 21 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 08/22/07

Time 9:00 AM

How DRY

Drilling will Commence: _____

Reported by DALE RAY

Telephone # (435) 823-6013

Date 08/22/07 Signed CHD

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3530
MYTON, UT 84052

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12417	4301333290	LONE TREE FED 5-21-9-17	SWNW	21	9S	17E	DUCHESNE	8/22/2007	8/28/07
WELL 1 COMMENTS: <i>GRRV Unit</i>											
B	99999	12417	4301333289	LONE TREE FED 6-21-9-17	SENW	21	9S	17E	DUCHESNE	8/23/2007	8/28/07
WELL 2 COMMENTS: <i>GRRV</i>											
	99999	16325	4301332770	ASHLEY 4-27-9-15	NWNW	27	9S	15E	DUCHESNE	8/25/2007	8/28/07
WELL 3 COMMENTS: <i>MNCS</i>											
A	99999	16326	4301333189	FEDERAL 2-19-9-17	NWNE	19	9S	17E	DUCHESNE	8/28/2007	8/28/07
WELL 4 COMMENTS: <i>GRRV</i>											
A	99999	16327	4301333394	FEDERAL 16-22-9-16	NESE	22	9S	16E	DUCHESNE	8/27/2007	8/28/07
WELL 5 COMMENTS: <i>GRRV</i>											
A	99999	16328	4301333174	FEDERAL 5-19-9-16	SWNW	19	9S	16E	DUCHESNE	8/29/2007	8/28/07
WELL 6 COMMENTS: <i>GRRV</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 - treat one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - treat (explain in comments section)

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

Jentri Park
Signature Jentri Park Jentri Park
Production Clerk August 29, 2007
Date

DIVISION OF OIL, GAS AND MINING

AUG 29 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.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-13905
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or LONE TREE UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1975 FNL 658 FWL SWNW Section 21 T9S R17E		8. Well Name and No. LONETREE 5-21-9-17
		9. API Well No. 4301333290
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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

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

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 10/11/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on reverse)

OCT 12 2007

DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-13905
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: LONE TREE UNIT
8. WELL NAME and NUMBER: Lone Tree Federal 5-21-9-17
9. API NUMBER: 4301333290
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1975 FNL 658 FWL COUNTY:

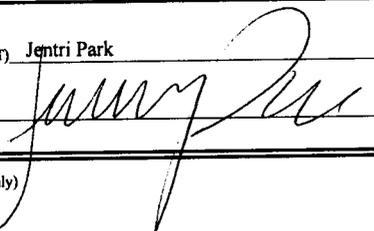
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 21, T9S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 10/18/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above subject well was completed on 10/08/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jemtri Park TITLE Production Clerk

SIGNATURE  DATE 10/18/2007

(This space for State use only)

RECEIVED
OCT 19 2007
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

LONETREE 5-21-9-17**8/1/2007 To 12/30/2007****9/28/2007 Day: 1****Completion**

Rigless on 9/27/2007 - 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 @ 5575' & cement top @ 180'. Perforate stage #1 W/ 3-1/8" slick gun (19 gram, .49"EH. 120°) as follows: LODC sds @ 4972-88' W/ 4 JSPF. RD WLT. SIFN W/ est 133 BWTR.

10/4/2007 Day: 2**Completion**

Rigless on 10/3/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac LODC sds, stage #1 down casing w/ 69,630#'s of sand in 584 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Pump 30 gals of Techna Hib before pad. Perfs broke down @ 2837 psi. Treated @ ave pressure of 2177 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2379. 717 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 15' perf gun. Set plug @ 4910'. Perforate LODC sds @ 4811-26' w/ 3-1/8" Slick Guns (23 gram, .37"HE, 90°) w/ 4 spf for total of 60 shots. RU BJ & frac stage #2 w/ 70,032#'s of sand in 574 bbls of Lightning 17 frac fluid. Open well w/ 2024 psi on casing. Pump 30 gals of Techna Hib before pad. Perfs broke down @ 4100 psi. Treated @ ave pressure of 2452 w/ ave rate of 27.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2600. 1291 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 15' perf gun. Set plug @ 4910'. Perforate LODC sds @ 4811-26' w/ 3-1/8" Slick Guns (23 gram, .37"HE, 90°) w/ 4 spf for total of 60 shots. RU BJ & frac stage #2 w/ 70,032#'s of sand in 574 bbls of Lightning 17 frac fluid. Open well w/ 2024 psi on casing. Pump 30 gals of Techna Hib before pad. Perfs broke down @ 4100 psi. Treated @ ave pressure of 2452 w/ ave rate of 27.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2600. 1291 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 15' perf gun. Set plug @ 4910'. Perforate LODC sds @ 4811-26' w/ 3-1/8" Slick Guns (23 gram, .37"HE, 90°) w/ 4 spf for total of 60 shots. RU BJ & frac stage #2 w/ 70,032#'s of sand in 574 bbls of Lightning 17 frac fluid. Open well w/ 2024 psi on casing. Pump 30 gals of Techna Hib before pad. Perfs broke down @ 4100 psi. Treated @ ave pressure of 2452 w/ ave rate of 27.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2600. 1291 bbls EWTR. Leave pressure on well.

10/5/2007 Day: 3**Completion**

Western #4 on 10/4/2007 - MIRUSU. Open well w/ 380 psi on casing, rec'd 60 bbls fluid w/ trace of oil. RD Cameron BOP's & 5K frac head. Instal 3K production tbg head & Schaefer BOP's. RU Chomp bit- used & bit sub. Tally, pickup & TIH w/ 138 of jts of J-55 new 2-7/8", 6.5# tbg to tag sand @ 4245'. RU pump/tanks. C/O to plug @ 4270'. RU swivel. Drlg out plug #1. TIH w/ tbg to tag sand @ 4420'. C/O to plug @ 4440'. Drlg out plug #2. TIH w/ tbg to tag sand @ 4730'. C/O to plug @ 4750'. Drlg out plug #3. TIH w/ tbg to tag sand @ 4890'. C/O to plug @ 4910'. Drlg out plug #4. TIH w/ tbg to tag sand @ 4921'. SIFN.

10/6/2007 Day: 4**Completion**

Western #4 on 10/5/2007 - Open well w/ 420 psi on casing. Continue circulate sand out to PBD @ 5581'. LD 2 jts tbg. RU swab. Made 13 runs & rec'd 115 bbls fluid. IFL was surface. FFL was 1200'. Last run showed no sand & trace of oil. RD Swab equipment. TIH w/ tbg to PBD @ 5581'. No new sand. Circulate well clean. TOOH w/ tbg. LD bit & bit sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA (CDI new 45,000# shear), 160 jts tbg. RD BOP's. Set TA w/ 16,000#'s tension @ 4956', w/ SN @ 4991', w/ EOT @ 5053'. SIFN.

10/9/2007 Day: 5**Completion**

Western #4 on 10/8/2007 - Open well w/ 100 psi on casing. Flush tbg w/ 60 bbls fluid. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 10' x 14' RHAC (new) CDI pump w/ 106"SL, 6- 1-1/2" Weight rods, 20- 3/4" guided rods, 72- 3/4" slick rods, 101- 3/4" guided rods, 2' x 3/4" pony rod, 1-1/2" x 26" polish rod. Space pump out. Test tbg & pump to 800 psi w/ pump unit. RDMOSU. POP @ 11AM w/ 5 spm, w/ 102"SL. Final Report.

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. UTU-13905	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Newfield Exploration Company		7. UNIT AGREEMENT NAME Lone Tree Federal	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202		8. FARM OR LEASE NAME, WELL NO. Lone Tree Federal 5-21-9-17	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 1975' FNL & 658' FWL (SW/NW) Sec. 21, T9S, R17E At top prod. Interval reported below At total depth		9. WELL NO. 43-013-33290	
14. API NO. 43-013-33290		10. FIELD AND POOL OR WILDCAT Monument Butte	
DATE ISSUED 08/29/07		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 21, T9S, R17E	
15. DATE SPUNDED 08/22/07		12. COUNTY OR PARISH Duchesne	
16. DATE T.D. REACHED 09/15/07		13. STATE UT	
17. DATE COMPL. (Ready to prod.) 10/08/07		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5340' GL 5352' KB	
19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 5650'		21. PLUG BACK T.D., MD & TVD 5581'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ----->	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4224'-4988'		ROTARY TOOLS X	
		CABLE TOOLS	
		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#	315'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5621'	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 @ 5054'	TA @ 4957'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(LODC) 4972'-4988'	.49"	4/64	4972'-4988'	Frac w/ 69,630# 20/40 sand in 584 bbls fluid
(LODC) 4811'-4826'	.37"	4/60	4811'-4826'	Frac w/ 70,032# 20/40 sand in 574 bbls fluid
(A1) 4673'-4688'	.37"	4/60	4673'-4688'	Frac w/ 81,106# 20/40 sand in 635 bbls fluid
(D2) 4333'-4341'	.37"	4/32	4333'-4341'	No Frac
(DS3) 4224'-4232'	.37"	4/32	4224'-4232'	Frac w/ 53,3403 20/40 sand in 410 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 10/08/07	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 10' x14' RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL. 28	GAS--MCF. 23	WATER--BBL. 88	GAS-OIL RATIO 821
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.) RECEIVED	

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

TEST WITNESSED BY
OCT 30 2007

35. LIST OF ATTACHMENTS

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

SIGNED Jentri Park TITLE Production Clerk DATE 10/26/2007

DIV. OF OIL, GAS & MINING
JP

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

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Lone Tree Federal 5-21-9-17	Garden Gulch Mkr	3292'	
				Garden Gulch 1	3486'	
				Garden Gulch 2	3594'	
				Point 3 Mkr	3841'	
				X Mkr	4094'	
				Y-Mkr	4127'	
				Douglas Creek Mkr	4253'	
				BiCarbonate Mkr	4479'	
				B Limestone Mkr	4583'	
				Castle Peak	5102'	
				Basal Carbonate	5520'	
				Total Depth (LOGGERS)	5644'	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

Ref: 8P-W-GW

JUL 06 2009

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: Additional Well: Lone Tree Area Permit
UIC Permit No. UT20853-00000
Well ID: UT20853-08392
Lone Tree Federal 5-21-9-17
1975' FNL & 658' FWL
SW NW Sec. 21 T9S-R17E
Duchesne County, Utah
API #43-013-33290

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Lone Tree Federal 5-21-9-17 to an enhanced recovery injection well under the Lone Tree Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed 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 No. UT20853-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,295 feet and the top of the Wasatch Formation, estimated at 5,643 feet.

RECEIVED

JUL 16 2009

DIV. OF OIL, GAS & MINING

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a Part 1 (Internal) mechanical integrity test (MIT), (2) a pore pressure calculation of the injection interval, (3) the results of a radioactive tracer survey within a 180-day authorization to inject, and (4) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Lone Tree Federal 5-21-9-17 was determined to be 1,755 psig. UIC Area Permit UT20853-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Mr. Bob Near at (303) 312-6278 or 1-(800)-227-8917 (Ext. 312-6278). Please submit the required data to ATTENTION: Bob Near, at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,


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

FOR RECORD COPY

Encl: Authorization for Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Proposed Wellbore and P&A Wellbore schematics for Lone Tree Federal 5-21-9-17

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

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 No: UT20853-00000

The Lone Tree Unit Final UIC Area Permit No.UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On March 25, 2009, the Permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name: Lone Tree Federal 5-21-9-17
EPA Well ID Number: UT 20853-08392
Location: 1975'FNL & 658'FWL
SW NW Sec. 21-T9S-R17E
Duchesne County, Utah.
API # 43-013-33290

Pursuant to 40 CFR §144.33, Area UIC Permit No. 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 No. UT20642-00000, as modified and as specified in the 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.

RECEIVED

JUL 16 2009

Date: JUL 06 2009

Signature of Stephen S. Tuber
DIV. OF OIL, GAS & MINING
Stephen S. Tuber
* Acting 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 5-21-9-17**

EPA Well ID Number: **UT20853-08392**

Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:

1. a successful Part I (Internal) Mechanical Integrity test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. completed Well Rework Record EPA Form No. 7520-12 and schematic diagram.

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a **Radioactive Tracer Survey (RTS) is required** to demonstrate no significant upward migration of injection fluids behind the casing from the injection zone. It is intended that a maximum of 180 days of injection will allow the injection zone to adequately pressurize prior to executing the RTS.

Approved Injection Zone: The approved Injection interval is from the top of the Garden Gulch Member [3,295' (KB)] to the estimated top of the Wasatch Formation [5,643' (KB)].

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1,755 psig**, based on the following calculation:

$$\text{MAIP} = [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where}$$

$$\text{FG} = 0.856 \text{ psi/foot} \quad \text{SG} = 1.015 \quad \text{D} = \text{4,224 feet (top perforation depth KB)}$$

$$\text{MAIP} = \text{1,755 psig}$$

UIC Area Permit No. UT20853-00000 also provides the opportunity for the Permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

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). The cement record and cement bond log (CBL) were evaluated and failed to demonstrate the presence of adequate cement to prevent the possible migration of injection fluids from behind the casing from the injection zone. Therefore, further demonstration of Part II (External) Mechanical Integrity is required at this time.

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 50 feet 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 the cement will not provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, a further demonstration of Part II (External) Mechanical Integrity is required at this time.

Demonstration of Financial Responsibility: The permittee has demonstrated financial responsibility by an annual Financial Statement with a Plugging and Abandonment estimated cost of \$59,344 that has been approved by EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. 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) no more than 50 feet above the top perforation with a minimum 20 foot cement plug on top of the CIBP.

PLUG NO. 2: Perforate and Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona and the Mahogany Bench zone between approximately 2,488' (KB) to 2,639' (KB). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 151 foot balanced cement plug shall be placed inside the 5-1/2" casing from approximately 2,488' (KB) to 2,639' (KB).

PLUG NO. 3: Perforate and Squeeze a cement plug on the backside of the 5-1/2" casing across the top of the Green River Formation between approximately 1,094' (KB) and 1,214' (KB). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 120 foot plug shall be placed inside the 5-1/2" casing from approximately 1,094' (KB) to 1,214' (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing from 640' (KB) and up the 5-1/2"x 8-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Lone Tree Federal 5-21-9-17**

EPA Well ID Number: **UT20853-08392**

Underground Sources of Drinking Water (USDWs): USDWs in the Gilsonite Unit Area Permit 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 590 feet below ground surface in the Lone Tree Federal 5-21-9-17.

http:NRWRT1.NR.STATE.UT.US: There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:

- TDS of the Douglas Creek Member – Green River Formation Water: 59,058 mg/l.

- TDS of Beluga Injection Facility System source water: 8,822 mg/l.

The **injectate** is water from the Beluga Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

Aquifer Exemption: An Aquifer Exemption is not required because the TDS of the produced water from the proposed injection well is greater than 10,000 mg/l.

Confining Zone: The Confining Zone is the established zone (3,208-3,295') above the Garden Gulch Member of the Green River Formation, with only 6' of 80%, or greater, cement bond.

Injection Zone: The Injection Zone is approximately 2,348' of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,295' to the estimated top of the Wasatch Formation at 5,643'. All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) type log.

Well Construction:

Surface Casing: 8-5/8" casing is set at 315' (KB) in a 12-1/4" hole, using 160 sacks Class G cement, circulated to the surface.

Longstring Casing: 5-1/2" casing is set at 5,621' (KB) in a 7-7/8" hole secured with 700 sacks of 50-50 POZ cement. Total driller depth is 5,650'. Plugged back total depth is 5,581'. EPA calculates top of cement at 1,113'. CBL top of cement is 170'.

Perforations: Top perforation: 4,224' (KB) Bottom perforation: 4,988' (KB)

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four (4) wells that penetrate the Confining Zone within or proximate to a ¼ mile radius around the Lone Tree Federal 5-21-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Lone Tree Fed. 4-21-9-17	API: 43-013-33291	NW NW Sec. 21-T9S-R17E
Well: Federal 8-20-9-17	API: 43-013-33227	SE NE Sec. 20-T9S-R17E
Well: Lone Tree Fed. 6-21-9-17	API: 43-013-33289	SE NW Sec. 21-T9S-R17E
Well: Lone Tree Fed. 12-21-9-17	API: 43-013-33284	NW SW Sec. 21-T9S-R17E

Corrective Action NOT REQUIRED on three AOR Wells:

Well: Lone Tree Fed. 4-21-9-17	API: 43-013-33291	NW NW Sec. 21-T9S-R17E TOC 54'
The CBL shows 26' of 80% or greater cement bond.		
Well: Federal 8-20-9-17	API: 43-013-33227	SE NE Sec. 20-T9S-R17E TOC 70'
The CBL shows 86' of 80% or greater cement bond.		
Well: Lone Tree Fed. 6-21-9-17	API: 43-013-33289	SE NW Sec. 21-T9S R17E TOC 31'
The CBL shows 62' of 80% or greater cement bond.		

Corrective Action REQUIRED on one AOR Well:

Well: Lone Tree Fed. 12-21-9-17	API: 43-013-33284	NW SW Sec.21-T9S-R17E TOC 800'
CBL shows only 8' of 80% or greater cement bond.		

AOR Well Corrective Action Plan:

The Lone Tree Fed.12-21-9-17 will be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone."

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure, described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Lone Tree Federal 5-21-9-17 well immediately and notify the Director. No injection into the Lone Tree Federal 5-21-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No. 7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

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 no later than thirty (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 (5) 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 a USDW.
- (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:

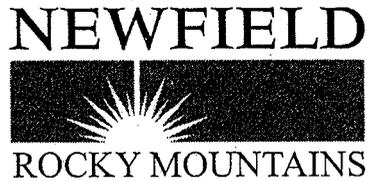
The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**.

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 (2) weeks of the time such information became known to him.



RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic crossection, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.

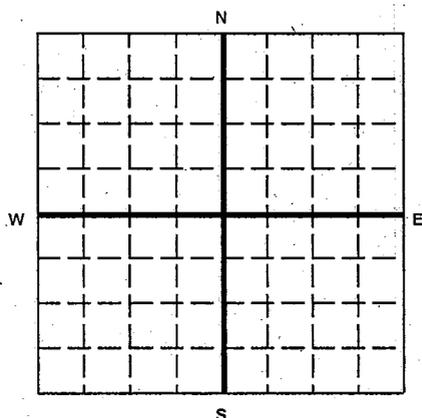


United States Environmental Protection Agency
Washington, DC 20460

WELL REWORK RECORD

Name and Address of Permittee	Name and Address of Contractor
-------------------------------	--------------------------------

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
-------	--------	---------------

Surface Location Description
 1/4 of 1/4 of 1/4 of 1/4 of Section Township Range

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

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

WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage Lease Name <input type="text"/>	Total Depth Before Rework <input type="text"/> Total Depth After Rework <input type="text"/> Date Rework Commenced <input type="text"/> Date Rework Completed <input type="text"/>	TYPE OF PERMIT <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells <input type="text"/> Well Number <input type="text"/>
---	---	--

WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals

Certification

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

Name and Official Title (Please type or print)	Signature	Date Signed
--	-----------	-------------

LONE TREE FEDERAL 5-21-9-17

Spud Date: 08/22/07
 Put on Production: 10/08/07
 GL: 5340' KB: 5352'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.67')
 DEPTH LANDED: 314.52' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5607.74')
 DEPTH LANDED: 5620.99' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 180'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 160 jts (4944.81')
 TUBING ANCHOR: 4956.81' KB
 NO. OF JOINTS: 1 jts (31.44')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4991.05' KB
 NO. OF JOINTS: 2 jts (61.01')
 TOTAL STRING LENGTH: EOT @ 5053.61' KB

FRAC JOB

10/03/07	4972-4988'	Frac LODC sands as follows: 69630# 20/40 sand in 584 bbls Lightning 17 frac fluid. Treated @ avg press of 2177 psi w/avg rate of 24.8 BPM. ISIP 2379 psi. Calc flush: 4970 gal. Actual flush: 4494 gal.
10/03/07	4811-4826'	Frac LODC sands as follows: 70032# 20/40 sand in 574 bbl Lightning 17 frac fluid. Treated @ avg press of 2452 psi w/avg rate of 27.8 BPM. ISIP 2600 psi. Calc flush: 4809 gal. Actual flush: 4368 gal.
10/03/07	4673-4688'	Frac A1 sands as follows: 81106# 20/40 sand in 635 bbls Lightning 17 frac fluid. Treated @ avg press of 1904 psi w/avg rate of 24.8 BPM. ISIP 1972 psi. Calc flush: 4671 gal. Actual flush: 4200 gal.
10/03/07	4333-4341'	Frac D2 sands as follows: Decision made not to Frac
10/03/07	4224-4232'	Frac D1 sands as follows: 53340# 20/40 sand in 410 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 24.8 BPM. ISIP 2297 psi. Calc flush: 4222 gal. Actual flush: 4200 gal.

Base USDW 590'

TOC/EPA 1113'

Only 6' 80% Cement Bond

Cement Top @ 180'

315'

-1154' Green River

-2538' Trona
 -2572'-89' Mahogany Bench

-3208' Confining Zone
 -3295' Garden Guleh

Packer @ 4189'

4224-4232'
 -4254' Douglas Creek

4673-4688'

4811-4826'

4972-4988'

-5103' Castle Peak

-5518' Basal Carb.
 PBTD @ 5581'

SHOE @ 5621'

TD @ 5650'

Est. Wasatch 5643'

PERFORATION RECORD

4972-4988'	4 JSPF	64 holes
4811-4826'	4 JSPF	60 holes
4673-4688'	4 JSPF	60 holes
4333-4341'	4 JSPF	32 holes
4224-4232'	4 JSPF	32 holes

NEWFIELD

LONE TREE FEDERAL 5-21-9-17

1975' FNL & 658' FWL

SW/NW Section 21-T9S-R17E

Duchesne Co, Utah

API #43-013-33290; Lease # UTU-13905

LONE TREE FEDERAL 5-21-9-17

Spud Date: 08/22/07
 Put on Production: 10/08/07
 GL: 5340' KB: 5352'

Initial Production: BOPD,
 MCFD, BWPD

Proposed P & A
 Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.67')
 DEPTH LANDED: 314.52' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1-160, sxs Class "G" cmt, est 5 bbbls cmt to surf.

Base USDW 590'

Cement Top @ 180'

Casing Shoe @ 315'

Set Surface Plug to 640'

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5607.74')
 DEPTH LANDED: 5620.99' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 180'

Cement Plug

Cement Plug

-1154' Green River

-2538' Tironia
 -2572-89' Mahogany Bench

-3208' Confining Zone
 -3295' Garden Gulch

20' Class G Cement plug on top of CIBP
 Not More than 50' above Top Perf.

4224-4232'
 -4254' Douglas Creek

4673-4688'

4811-4826'

4972-4988'

-5103' Castle Peak

-5518' Basal Carb.
 PBTD @ 5581'

SHOE @ 5621'

TD @ 5650'

Est. Wasatch 5643'

 <p>NEWFIELD</p>
<p>LONE TREE FEDERAL 5-21-9-17</p> <p>1975' FNL & 658' FWL</p> <p>SW/NW Section 21-T9S-R17E</p> <p>Duchesne Co, Utah</p> <p>API #43-013-33290; Lease # UTU-13905</p>



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

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

MAR 09 2012

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

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

**RECEIVED
MAR 14 2012
DIV. OF OIL, GAS & MINING**

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

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Additional Well to Lone Tree Area Permit
EPA UIC Permit UT20853-09438
Well: Lone Tree Federal 5-21-9-17
SWNW Sec. 21 T9S-R17E
Duchesne County, Utah
API No.: 43-013-33290

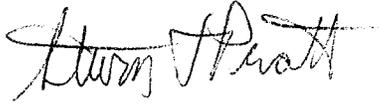
Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Lone Tree Federal 5-21-9-17 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 No. 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.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,


for Callie A. Videtich

Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore Schematic for Lone Tree Federal 5-21-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:
Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Frances Poowegup, Councilwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Richard Jenks, Jr., 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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Reed Durfey
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 UIC Area Permit UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 13, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Lone Tree Federal 5-21-9-17
EPA Permit ID Number:	UT20853-09438
Location:	1975' FNL & 685' FWL SWNW Sec. 21-T9S-R17E Duchesne County, Utah API #43-013-33290

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 No. 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: MAR 05 2012


for Callie A. Videtich
* Acting 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 5-21-9-17
EPA Well ID Number: UT20853-09438

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;
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 for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate part II mechanical integrity using an approved demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

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

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1,750 psig**, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.856 psi/ft, SG is 1.015 and D is 4,224 ft.

UIC Area Permit No. UT20853-00000 provides the opportunity for the permittee to request a change of the 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). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. Therefore, a radioactive tracer survey is required.

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) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

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:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug

(CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
 - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
 - b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
 - c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Lone Tree Federal 5-21-9-17
EPA Well ID Number: UT20853-09438

Underground Sources of Drinking Water (USDWs): USDWs in the Lone Tree Area Permit 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 590 ft. below ground surface in the Lone Tree Federal 5-21-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20853-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 315 ft. in a 12-1/4" hole, using 160 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 5,621 ft. in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth is 5,650 ft. Plugged back total depth is 5,621 ft. EPA calculates top of cement at 1,001 ft. Estimated CBL top of cement is 180 ft.

Perforations: Top perforation: 4,224 ft. Bottom perforation: 4,988 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a 1/4-mile radius around the Lone Tree Federal 5-21-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Lone Tree Federal 6-21-9-17 API: 43-013-33289 SENW Sec. 21-T9S-R17E

Lone Tree Federal 4-21-9-17 API: 43-013-3291 NWNW Sec. 21-T9S-R17E
The cement bond log shows the top of cement to be above the base of the Confining Zone.
There is no 80% cement bond in Confining Zone.

Lone Tree Federal 12-21-9-17 API: 43-013-33284 NWSW Sec. 21-T9S-R17E
The cement bond log shows the top of cement to be above the base of the Confining Zone.
There is no 80% cement bond in Confining Zone.

Federal 8-20-9-17 API: 43-013-33227 SWNE Sec. 20-T9S-R17E

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a 1/4-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) 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.
- 2) 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 no later than 30 days following each schedule date.
- 3) (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:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) 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) 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 5-21-9-17

Spud Date: 08/22/07
 Put on Production: 10/08/07
 GL: 5340' KB: 5352'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

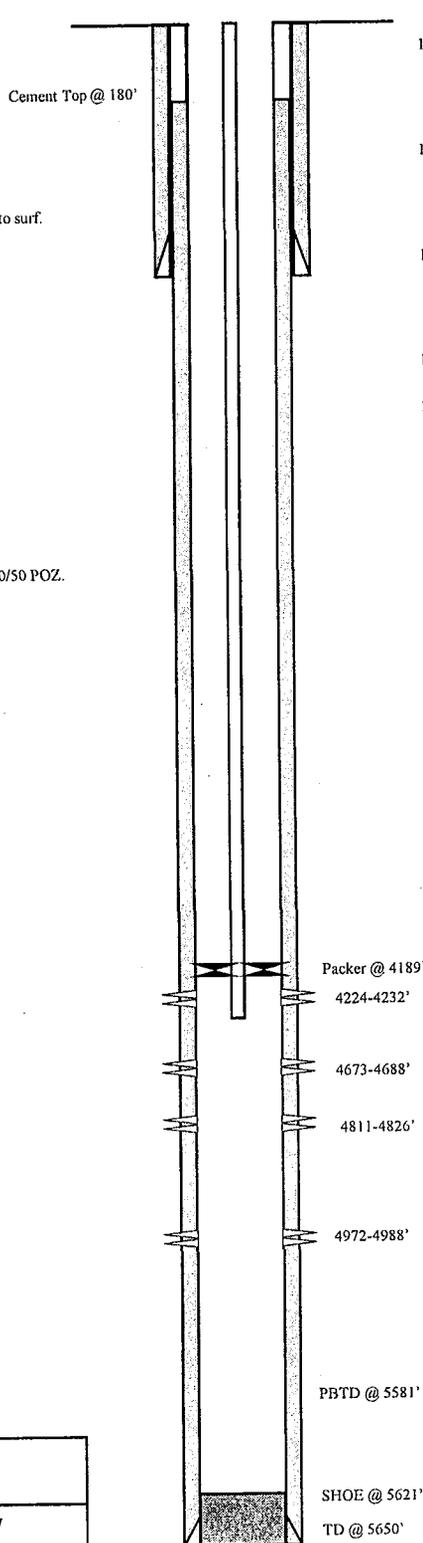
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.67')
 DEPTH LANDED: 314.52' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5607.74')
 DEPTH LANDED: 5620.99' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 180'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 160 jts (4944.81')
 TUBING ANCHOR: 4956.81' KB
 NO. OF JOINTS: 1 jts (31.44')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4991.05' KB
 NO. OF JOINTS: 2 jts (61.01')
 TOTAL STRING LENGTH: EOT @ 5053.61' KB



FRAC JOB

10/03/07	4972-4988'	Frac LODC sands as follows: 69630# 20/40 sand in 584 bbls Lightning 17 frac fluid. Treated @ avg press of 2177 psi w/avg rate of 24.8 BPM. ISIP 2379 psi. Calc flush: 4970 gal. Actual flush: 4494 gal.
10/03/07	4811-4826'	Frac LODC sands as follows: 70032# 20/40 sand in 574 bbl Lightning 17 frac fluid. Treated @ avg press of 2452 psi w/avg rate of 27.8 BPM. ISIP 2600 psi. Calc flush: 4809 gal. Actual flush: 4368 gal.
10/03/07	4673-4688'	Frac A1 sands as follows: 81106# 20/40 sand in 635 bbls Lightning 17 frac fluid. Treated @ avg press of 1904 psi w/avg rate of 24.8 BPM. ISIP 1972 psi. Calc flush: 4671 gal. Actual flush: 4200 gal.
10/03/07	4333-4341'	Frac D2 sands as follows: Decision made not to Frac
10/03/07	4224-4232'	Frac D1 sands as follows: 53340# 20/40 sand in 410 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 24.8 BPM. ISIP 2297 psi. Calc flush: 4222 gal. Actual flush: 4200 gal.

PERFORATION RECORD

4972-4988'	4 JSPF	64 holes
4811-4826'	4 JSPF	60 holes
4673-4688'	4 JSPF	60 holes
4333-4341'	4 JSPF	32 holes
4224-4232'	4 JSPF	32 holes

NEWFIELD

LONE TREE FEDERAL 5-21-9-17

1975'FNL & 658' FWL
 SW/NW Section 21-T9S-R17E
 Duchesne Co, Utah
 API #43-013-33290; Lease # UTU-13905



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

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

MAR 09 2012

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

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

**RECEIVED
MAR 14 2012
DIV. OF OIL, GAS & MINING**

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

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Additional Well to Lone Tree Area Permit
EPA UIC Permit UT20853-09438
Well: Lone Tree Federal 5-21-9-17
SWNW Sec. 21 T9S-R17E
Duchesne County, Utah
API No.: 43-013-33290

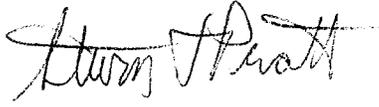
Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Lone Tree Federal 5-21-9-17 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 No. 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.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



for

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

Enclosures: Authorization for Additional Well
Wellbore Schematic for Lone Tree Federal 5-21-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:
Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Frances Poowegup, Councilwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Richard Jenks, Jr., 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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Reed Durfey
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 UIC Area Permit UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 13, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

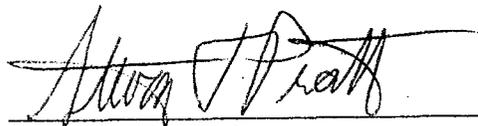
Well Name:	Lone Tree Federal 5-21-9-17
EPA Permit ID Number:	UT20853-09438
Location:	1975' FNL & 685' FWL SWNW Sec. 21-T9S-R17E Duchesne County, Utah API #43-013-33290

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 No. 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: MAR 05 2012


for Callie A. Videtich
*Acting 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 5-21-9-17
EPA Well ID Number: UT20853-09438

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;
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 for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate part II mechanical integrity using an approved demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

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

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1,750 psig**, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.856 psi/ft, SG is 1.015 and D is 4,224 ft.

UIC Area Permit No. UT20853-00000 provides the opportunity for the permittee to request a change of the 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). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. Therefore, a radioactive tracer survey is required.

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) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

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:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug

(CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
 - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
 - b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
 - c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Lone Tree Federal 5-21-9-17
EPA Well ID Number: UT20853-09438

Underground Sources of Drinking Water (USDWs): USDWs in the Lone Tree Area Permit 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 590 ft. below ground surface in the Lone Tree Federal 5-21-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20853-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 315 ft. in a 12-1/4" hole, using 160 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 5,621 ft. in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth is 5,650 ft. Plugged back total depth is 5,621 ft. EPA calculates top of cement at 1,001 ft. Estimated CBL top of cement is 180 ft.

Perforations: Top perforation: 4,224 ft. Bottom perforation: 4,988 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a 1/4-mile radius around the Lone Tree Federal 5-21-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Lone Tree Federal 6-21-9-17 API: 43-013-33289 SENW Sec. 21-T9S-R17E

Lone Tree Federal 4-21-9-17 API: 43-013-3291 NWNW Sec. 21-T9S-R17E
The cement bond log shows the top of cement to be above the base of the Confining Zone.
There is no 80% cement bond in Confining Zone.

Lone Tree Federal 12-21-9-17 API: 43-013-33284 NWSW Sec. 21-T9S-R17E
The cement bond log shows the top of cement to be above the base of the Confining Zone.
There is no 80% cement bond in Confining Zone.

Federal 8-20-9-17 API: 43-013-33227 SWNE Sec. 20-T9S-R17E

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a 1/4-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) 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.
- 2) 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 no later than 30 days following each schedule date.
- 3) (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:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) 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) 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 5-21-9-17

Spud Date: 08/22/07
 Put on Production: 10/08/07
 GL: 5340' KB: 5352'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

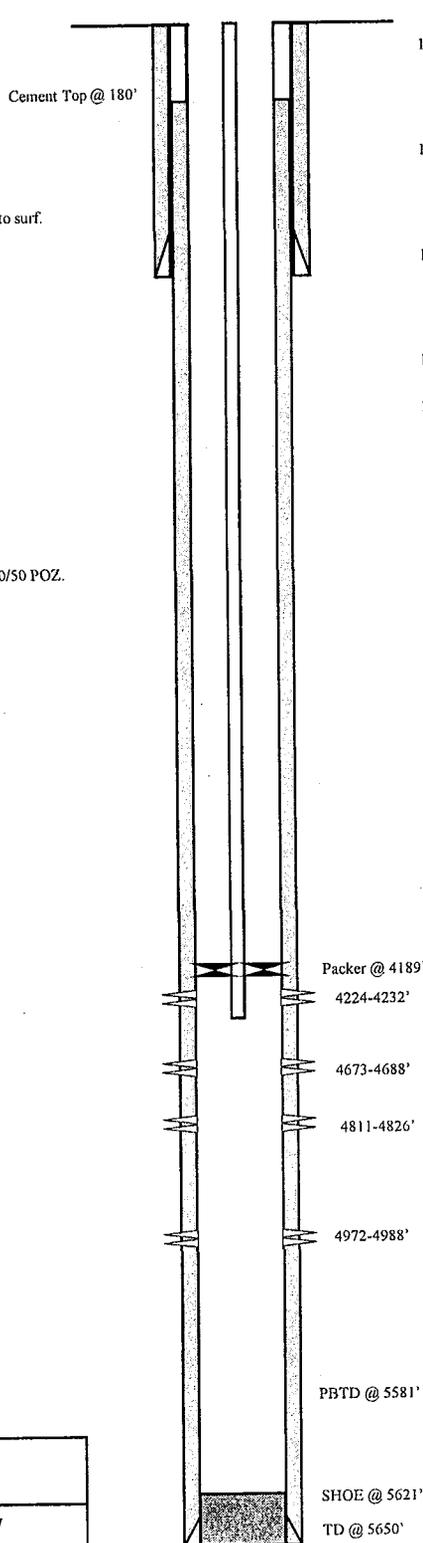
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.67')
 DEPTH LANDED: 314.52' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5607.74')
 DEPTH LANDED: 5620.99' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 180'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 160 jts (4944.81')
 TUBING ANCHOR: 4956.81' KB
 NO. OF JOINTS: 1 jts (31.44')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4991.05' KB
 NO. OF JOINTS: 2 jts (61.01')
 TOTAL STRING LENGTH: EOT @ 5053.61' KB



FRAC JOB

10/03/07	4972-4988'	Frac LODC sands as follows: 69630# 20/40 sand in 584 bbls Lightning 17 frac fluid. Treated @ avg press of 2177 psi w/avg rate of 24.8 BPM. ISIP 2379 psi. Calc flush: 4970 gal. Actual flush: 4494 gal.
10/03/07	4811-4826'	Frac LODC sands as follows: 70032# 20/40 sand in 574 bbl Lightning 17 frac fluid. Treated @ avg press of 2452 psi w/avg rate of 27.8 BPM. ISIP 2600 psi. Calc flush: 4809 gal. Actual flush: 4368 gal.
10/03/07	4673-4688'	Frac A1 sands as follows: 81106# 20/40 sand in 635 bbls Lightning 17 frac fluid. Treated @ avg press of 1904 psi w/avg rate of 24.8 BPM. ISIP 1972 psi. Calc flush: 4671 gal. Actual flush: 4200 gal.
10/03/07	4333-4341'	Frac D2 sands as follows: Decision made not to Frac
10/03/07	4224-4232'	Frac D1 sands as follows: 53340# 20/40 sand in 410 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 24.8 BPM. ISIP 2297 psi. Calc flush: 4222 gal. Actual flush: 4200 gal.

PERFORATION RECORD

4972-4988'	4 JSPF	64 holes
4811-4826'	4 JSPF	60 holes
4673-4688'	4 JSPF	60 holes
4333-4341'	4 JSPF	32 holes
4224-4232'	4 JSPF	32 holes

NEWFIELD

LONE TREE FEDERAL 5-21-9-17

1975'FNL & 658' FWL
 SW/NW Section 21-T9S-R17E
 Duchesne Co, Utah
 API #43-013-33290; Lease # UTU-13905

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13905
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LONE TREE FED 5-21-9-17	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013332900000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FNL 0658 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 21 Township: 09.0S Range: 17.0E Meridian: S	COUNTY: DUCHESNE	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/24/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 04/16/2012. On 04/17/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/24/2012 the casing was pressured up to 1050 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# UT20853-09438</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 17, 2012</p>
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/26/2012	

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 4 / 24 / 2012
 Test conducted by: Cody Marx
 Others present: _____

UT 20853-09438

Well Name: <u>Lone Tree Federal 5-21-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/NW</u> Sec: <u>21</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u>	State: <u>Ut</u>
Operator: <u>Cody Marx</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: 1050 psig

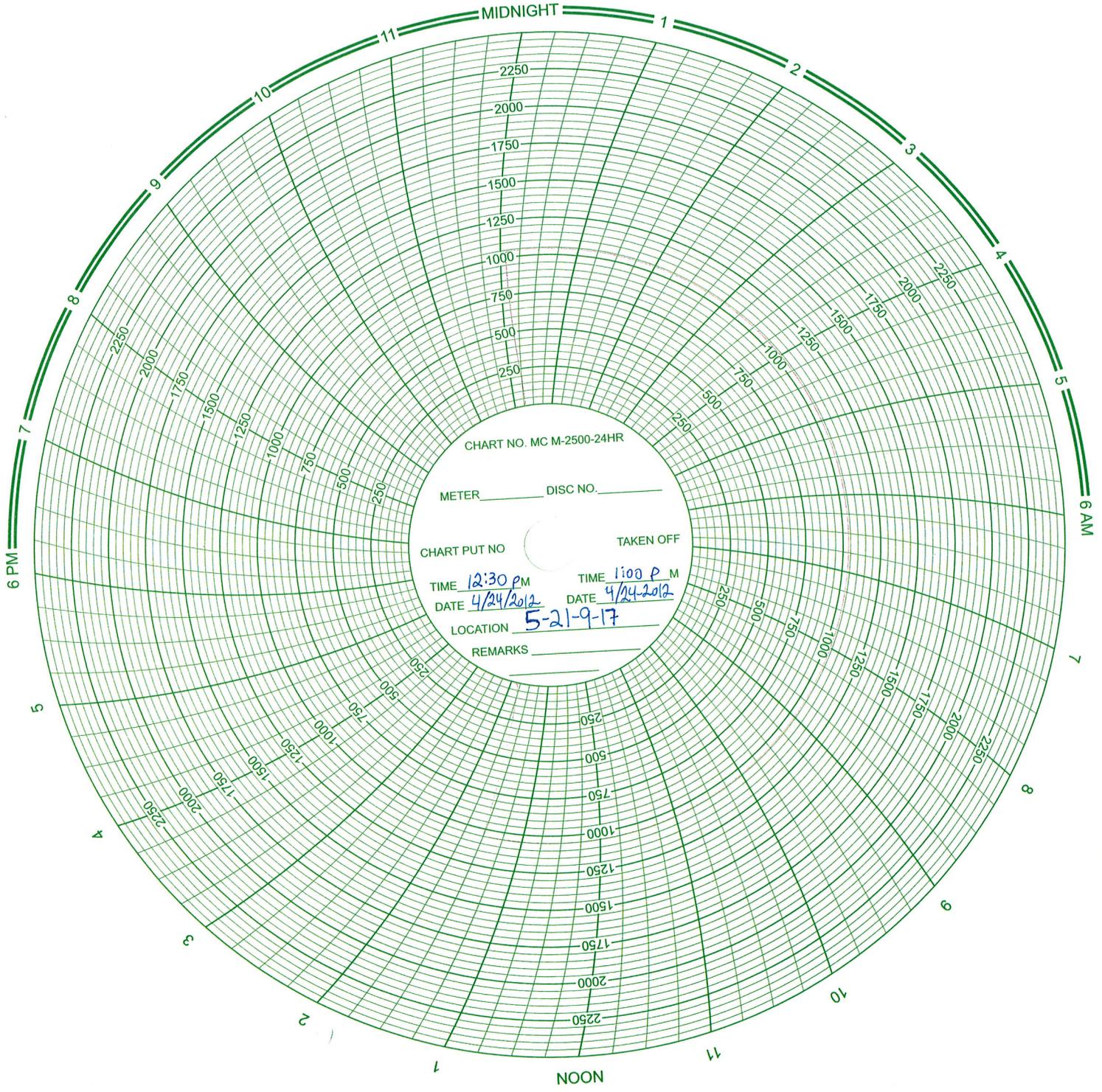
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1050</u> psig	psig	psig
5 minutes	<u>1050</u> psig	psig	psig
10 minutes	<u>1050</u> psig	psig	psig
15 minutes	<u>1050</u> psig	psig	psig
20 minutes	<u>1050</u> psig	psig	psig
25 minutes	<u>1050</u> psig	psig	psig
30 minutes	<u>1050</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____



Daily Activity Report

Format For Sundry

LONETREE 5-21-9-17

2/1/2012 To 6/30/2012

4/10/2012 Day: 1

Conversion

NC #1 on 4/10/2012 - MIRU NC#1, Flush Tbg W/-40 BW, (HIT). POOH L/D Rod Prod & pmp. N/U BOP, Rel T/A, POOH W/-118 Jts Tbg Breaking & Redoping Tool Jts W/-Liq O Ring, SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM MIRU NC#1, BMW H/Oiler pmp 40 BW D/Tbg, (HIT). R/D Unit, Unseat pmp, POOH L/D Rod Production String & pmp. Flushed Tbg W/-25 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-118 Jts Tbg Breaking & Redoping Tool Jts W/-Liq O Ring, SWI, 6:30PM- C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM MIRU NC#1, BMW H/Oiler pmp 40 BW D/Tbg, (HIT). R/D Unit, Unseat pmp, POOH L/D Rod Production String & pmp. Flushed Tbg W/-25 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-118 Jts Tbg Breaking & Redoping Tool Jts W/-Liq O Ring, SWI, 6:30PM- C/SDFN, 6:30PM-7:00PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$9,429

4/11/2012 Day: 2

Conversion

NC #1 on 4/11/2012 - OWU, pmp 30 BW D/Csg, L/D Excess Tbg & BHA, R/U Perf Zone GB2-GB4-GB6. RIH W/-Plg, Pkr, 125 Jts Tbg, Set Plg, Set Pkr, P/Tst Plg & Pkr To 4,000 Psi, Good Tst, Rel Pkr, POOH W/-Pkr To 3801', SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, BMW H/Oiler pmp 30 BW D/Csg, POOH L/D W/-42 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. R/U Perforators Wire Line To Perf Zone GB2 @ 3709'-3712', GB4 @ 3775'-3778', GB6 @ 3823'-3826' All W/-3 SPF, R/D Wire Line Aftr Perf. P/U & RIH W/-5 1/2" TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, S/N, 125 Jts Tbg, Set Pkr @ 3920', Set Pkr @ 3889', R/U R/pmp Fill Csg W/-24 BW, H/Oiler Fill Tbg W/-12 BW, P/Test Tbg Pkr & Plg To 4,000 Psi, Good Test. Rel Pkr, POOH W/-3 Jts Tbg, EOP @ 3801', SWI, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, BMW H/Oiler pmp 30 BW D/Csg, POOH L/D W/-42 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. R/U Perforators Wire Line To Perf Zone GB2 @ 3709'-3712', GB4 @ 3775'-3778', GB6 @ 3823'-3826' All W/-3 SPF, R/D Wire Line Aftr Perf. P/U & RIH W/-5 1/2" TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, S/N, 125 Jts Tbg, Set Pkr @ 3920', Set Pkr @ 3889', R/U R/pmp Fill Csg W/-24 BW, H/Oiler Fill Tbg W/-12 BW, P/Test Tbg Pkr & Plg To 4,000 Psi, Good Test. Rel Pkr, POOH W/-3 Jts Tbg, EOP @ 3801', SWI, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$20,199

4/12/2012 Day: 3

Conversion

NC #1 on 4/12/2012 - Wt On BJ To MIRU, Set Pkr @ 3801', R/U BJ, Frac Zone GB6, R/D BJ Aftr Frac, OWU To Flow Back 110 BW, Circulate Sand & Oil Up, Move Plg & Pkr To Next Stage Of Frac. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3801', Wt On BJ To Move In For Frac, R/U BJ, Frac Zone GB6, OWU To Flow Back, Zone Flowed 110 BW, R/U Rig Pmp, Break Circulation, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Plg, Release Plg, Move Plg To 3804' & Set, Pull Pkr to 3737 & Leave Hanging, EOT @ 3747, SWI, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3801', Wt On BJ To Move In For Frac, R/U BJ, Frac Zone GB6, OWU To Flow Back, Zone Flowed 110 BW, R/U Rig Pmp, Break Circulation, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Plg, Release Plg, Move Plg To 3804' & Set, Pull Pkr to 3737 & Leave Hanging, EOT @ 3747, SWI,

5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$25,626

4/13/2012 Day: 4

Conversion

NC #1 on 4/13/2012 - Frac GB-4 & GB-2, Flow Back @ 3 BPM, Circulate Sand & Oil Out, TOOH W/ Tools, P/U Pkr Tally Tbg In Hole, Pmp Pad & Drop S/V. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3737', R/U BJ For Frac & Frac GB-4, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, POOH To 3743', Set Plg, POOH To 3674', Set Pkr, R/U BJ For Frac & Frac GB-2, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, R/D Rig Pmp & Wash Stnd, POOH L/D Tbg, L/D Weatherford Plg & Pkr, P/U Weatherford 5 1/2 Arrow Pkr, S/N, & TIH W/117 Jts Tbg, 1 10' Tbg Sub, & 1 Jt Tbg, Pkr C/E @3676.11' ,Tally Tbg On Trip, EOT @3679.61, Pmp 15BW Pad, Drp S/Vlve, Fill Tbg W/18 BW, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3737', R/U BJ For Frac & Frac GB-4, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, POOH To 3743', Set Plg, POOH To 3674', Set Pkr, R/U BJ For Frac & Frac GB-2, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, R/D Rig Pmp & Wash Stnd, POOH L/D Tbg, L/D Weatherford Plg & Pkr, P/U Weatherford 5 1/2 Arrow Pkr, S/N, & TIH W/117 Jts Tbg, 1 10' Tbg Sub, & 1 Jt Tbg, Pkr C/E @3676.11' ,Tally Tbg On Trip, EOT @3679.61, Pmp 15BW Pad, Drp S/Vlve, Fill Tbg W/18 BW, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl

Daily Cost: \$0

Cumulative Cost: \$83,937

4/16/2012 Day: 5

Conversion

NC #1 on 4/16/2012 - P/Tst Tbg To 3,000 Psi,Good Tst,N/D BOP,N/U W/HD,pmp 50 Bbls Wtr Pkr Fluid D/Csg,N/D W/HD,Set Pkr,N/U W/HD,P/Tst Csg & Pkr To 1,500 Psi,Good Tst. R/D Rig, Well Ready For MIT (Final Rig Report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U BMW H/Oiler P/Test Tbg To 3,000 Psi, Held Good 1 Hr. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. pmp 50 BW W/-20 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. R/D Rig. 1:30PM Move Out. Well Ready For MIT (Final Report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U BMW H/Oiler P/Test Tbg To 3,000 Psi, Held Good 1 Hr. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. pmp 50 BW W/-20 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. R/D Rig. 1:30PM Move Out. Well Ready For MIT (Final Report).

Daily Cost: \$0

Cumulative Cost: \$90,443

4/25/2012 Day: 6

Conversion

Rigless on 4/25/2012 - Conduct initial MIT - On 04/17/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/24/2012 the casing was pressured up to 1050 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# UT20853-09438 - On 04/17/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/24/2012 the casing was pressured up to 1050 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#

UT20853-09438 **Finalized**
Daily Cost: \$0
Cumulative Cost: \$127,463

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 16 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Reed Durfey
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, Utah 84052

RECEIVED
MAY 23 2012
DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20853-09438
Well: Lone Tree Federal 5-21-9-17
SWNW Sec. 21-T9S-R17E
Duchesne County, Utah
API No.: 43-013-33290

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) April 25, 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 UT20853-09438.

As of the date of this letter, Newfield is authorized to commence injection into the Lone Tree Federal 5-21-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,335 psig for a limited period of 180 days during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20853-09438. If Newfield seeks a higher MAIP than 1,335 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20853-09438.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-UIC.

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-13905
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: LONE TREE FED 5-21-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013332900000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FNL 0658 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 21 Township: 09.0S Range: 17.0E Meridian: S
	COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Put on Injection"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/14/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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 4:30 PM on 09/14/2012. EPA # UT20853-09438

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 24, 2012

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



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

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

NOV 30 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, Utah 84502

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

RE: Underground Injection Control (UIC)
Authorization to Continue Injection
EPA UIC Permit UT20853-09438
Well: Lone Tree Federal 5-21-9-17
SWNW Sec. 21-T9S-R17E
Duchesne County, Utah
API No.: 43-013-33290

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 received the results of the October 23, 2012, Radioactive Tracer Survey (RTS) for the Lone Tree Federal 5-21-9-17 well. The EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,335 psig.

As of the date of this letter, the EPA hereby authorizes continued injection into the Lone Tree Federal 5-21-9-17 well under the terms and conditions of UIC Permit UT20853-09438.

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 (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of the EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

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:

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) 312-7056 or (800) 227-8927, extension 312-7056. Please remember that it is your responsibility to be aware of, and to comply with, all conditions of injection well Permit UT20853-09438.

If you have questions regarding the above action, please call Jason Deardorff at (303) 312-6583 or (800) 227-8917, extension 312-6583.

Sincerely,



for Derrith Watchman-Moore
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

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

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Mike Natchees
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Director of Energy & Minerals Dept.
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Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13905	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: LONE TREE FED 5-21-9-17	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 4301333290000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FNL 0658 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 21 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/24/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="New Perforations"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>The above subject well had new perforations added during a conversion. Attached are the schematic and Daily Activity report. The following perforations were added in the Green River Formation: GB6 3823-3826' 3 JSPF 9 holes GB4 3775-3778' 3 JSPF 9 holes GB2 3709-3712' 3 JSPF 9 holes</p>			
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 07, 2013	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 5/6/2013	

LONE TREE FEDERAL 5-21-9-17

Spud Date: 08/22/07
 Put on Production: 10/08/07
 GL: 5340' KB: 5352'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.67')
 DEPTH LANDED: 314.52' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5607.74')
 DEPTH LANDED: 5620.99' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem, Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 180'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 1 jts (30.9')
 TUBING PUP: 2-7/8" / N-80 / 6.5 #
 NO. OF JOINTS: 1 jts (10.0')
 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 117 jts (3618.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3670.9' KB
 CE @ 3676.11'
 TOTAL STRING LENGTH: EOT @ 3680' KB

FRAC JOB

10/03/07 4972-4988' **Frac LODC sands as follows:**
 69630# 20/40 sand in 584 bbls Lightning 17 frac fluid. Treated @ avg press of 2177 psi w/avg rate of 24.8 BPM. ISIP 2379 psi. Calc flush: 4970 gal. Actual flush: 4494 gal.

10/03/07 4811-4826' **Frac LODC sands as follows:**
 70032# 20/40 sand in 574 bbl Lightning 17 frac fluid. Treated @ avg press of 2452 psi w/avg rate of 27.8 BPM. ISIP 2600 psi. Calc flush: 4809 gal. Actual flush: 4368 gal.

10/03/07 4673-4688' **Frac A1 sands as follows:**
 81106# 20/40 sand in 635 bbls Lightning 17 frac fluid. Treated @ avg press of 1904 psi w/avg rate of 24.8 BPM. ISIP 1972 psi. Calc flush: 4671 gal. Actual flush: 4200 gal.

10/03/07 4333-4341' **Frac D2 sands as follows:**
 Decision made not to Frac

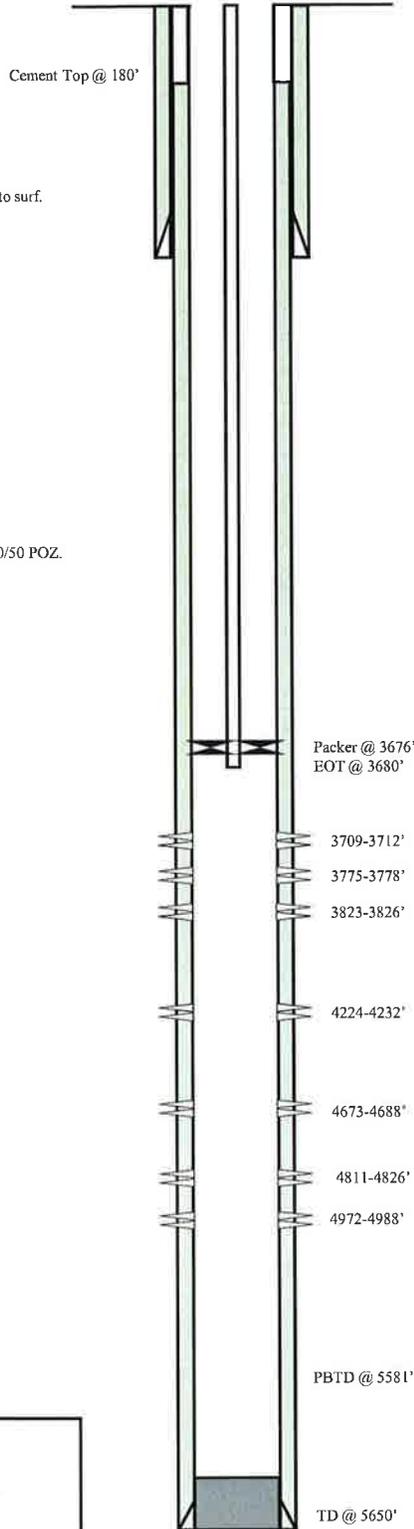
10/03/07 4224-4232' **Frac D1 sands as follows:**
 53340# 20/40 sand in 410 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 24.8 BPM. ISIP 2297 psi. Calc flush: 4222 gal. Actual flush: 4200 gal.

04/13/12 3823-3826' **Frac GB6 sands as follows:**
 20853# 20/40 sand in 279 bbls Lightning 17 frac fluid.

04/13/12 3775-3778' **Frac GB4 sands as follows:**
 35841# 20/40 sand in 496 bbls Lightning 17 frac fluid.

04/13/12 3709-3712' **Frac GB2 sands as follows:**
 16849# 20/40 sand in 265 bbls Lightning 17 frac fluid.

04/16/12 **Convert to Injection Well**
 04/24/12 **Conversion MIT Finalized** – updated tbq detail



PERFORATION RECORD

Depth Range	Number of Stages	Number of Holes
4972-4988'	4 JSPF	64 holes
4811-4826'	4 JSPF	60 holes
4673-4688'	4 JSPF	60 holes
4333-4341'	4 JSPF	32 holes
4224-4232'	4 JSPF	32 holes
3823-3826'	3 JSPF	9 holes
3775-3778'	3 JSPF	9 holes
3709-3712'	3 JSPF	9 holes



NEWFIELD

LONE TREE FEDERAL 5-21-9-17

1975'FNL & 658' FWL

SW/NW Section 21-T9S-R17E

Duchesne Co, Utah

API #43-013-33290; Lease # UTU-13905

Daily Activity Report**Format For Sundry****LONETREE 5-21-9-17****2/1/2012 To 6/30/2012****4/10/2012 Day: 1****Conversion**

NC #1 on 4/10/2012 - MIRU NC#1, Flush Tbg W/-40 BW, (HIT). POOH L/D Rod Prod & pmp. N/U BOP, Rel T/A, POOH W/-118 Jts Tbg Breaking & Redoping Tool Jts W/-Liq O Ring, SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM MIRU NC#1, BMW H/Oiler pmp 40 BW D/Tbg, (HIT). R/D Unit, Unseat pmp, POOH L/D Rod Production String & pmp. Flushed Tbg W/-25 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-118 Jts Tbg Breaking & Redoping Tool Jts W/-Liq O Ring, SWI, 6:30PM- C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM MIRU NC#1, BMW H/Oiler pmp 40 BW D/Tbg, (HIT). R/D Unit, Unseat pmp, POOH L/D Rod Production String & pmp. Flushed Tbg W/-25 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-118 Jts Tbg Breaking & Redoping Tool Jts W/-Liq O Ring, SWI, 6:30PM- C/SDFN, 6:30PM-7:00PM C/Trvl.

Daily Cost: \$0**Cumulative Cost:** \$9,429**4/11/2012 Day: 2****Conversion**

NC #1 on 4/11/2012 - OWU, pmp 30 BW D/Csg, L/D Excess Tbg & BHA, R/U Perf Zone GB2-GB4-GB6. RIH W/-Plg, Pkr, 125 Jts Tbg, Set Plg, Set Pkr, P/Tst Plg & Pkr To 4,000 Psi, Good Tst, Rel Pkr, POOH W/-Pkr To 3801', SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, BMW H/Oiler pmp 30 BW D/Csg, POOH L/D W/-42 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. R/U Perforators Wire Line To Perf Zone GB2 @ 3709'-3712', GB4 @ 3775'-3778', GB6 @ 3823'-3826' All W/-3 SPF, R/D Wire Line Aftr Perf. P/U & RIH W/-5 1/2" TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, S/N, 125 Jts Tbg, Set Pkr @ 3920', Set Pkr @ 3889', R/U R/pmp Fill Csg W/-24 BW, H/Oiler Fill Tbg W/-12 BW, P/Test Tbg Pkr & Plg To 4,000 Psi, Good Test. Rel Pkr, POOH W/-3 Jts Tbg, EOP @ 3801', SWI, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, BMW H/Oiler pmp 30 BW D/Csg, POOH L/D W/-42 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. R/U Perforators Wire Line To Perf Zone GB2 @ 3709'-3712', GB4 @ 3775'-3778', GB6 @ 3823'-3826' All W/-3 SPF, R/D Wire Line Aftr Perf. P/U & RIH W/-5 1/2" TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, S/N, 125 Jts Tbg, Set Pkr @ 3920', Set Pkr @ 3889', R/U R/pmp Fill Csg W/-24 BW, H/Oiler Fill Tbg W/-12 BW, P/Test Tbg Pkr & Plg To 4,000 Psi, Good Test. Rel Pkr, POOH W/-3 Jts Tbg, EOP @ 3801', SWI, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl.

Daily Cost: \$0**Cumulative Cost:** \$20,199**4/12/2012 Day: 3****Conversion**

NC #1 on 4/12/2012 - Wt On BJ To MIRU, Set Pkr @ 3801', R/U BJ, Frac Zone GB6, R/D BJ Aftr Frac, OWU To Flow Back 110 BW, Curcuate Sand & Oil Up, Move Plg & Pkr To Next Stage Of Frac. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3801', Wt On BJ To Move In For Frac, R/U BJ, Frac Zone GB6, OWU To Flow Back, Zone Flowed 110 BW, R/U Rig Pmp, Break Circulation, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Plg, Release Plg, Move Plg To 3804' & Set, Pull Pkr to 3737 & Leave Hanging, EOT @ 3747, SWI, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3801', Wt On BJ To Move In For Frac, R/U BJ, Frac Zone GB6, OWU To Flow Back, Zone Flowed 110 BW, R/U Rig Pmp, Break Circulation, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Plg, Release Plg, Move Plg To 3804' & Set, Pull Pkr to 3737 & Leave Hanging, EOT @ 3747, SWI,

5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$25,626

4/13/2012 Day: 4

Conversion

NC #1 on 4/13/2012 - Frac GB-4 & GB-2, Flow Back @ 3 BPM, Circulate Sand & Oil Out, TOOH W/ Tools, P/U Pkr Tally Tbg In Hole, Pmp Pad & Drop S/V. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3737', R/U BJ For Frac & Frac GB-4, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, POOH To 3743', Set Plg, POOH To 3674', Set Pkr, R/U BJ For Frac & Frac GB-2, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, R/D Rig Pmp & Wash Stnd, POOH L/D Tbg, L/D Weatherford Plg & Pkr, P/U Weatherford 5 1/2 Arrow Pkr, S/N, & TIH W/117 Jts Tbg, 1 10' Tbg Sub, & 1 Jt Tbg, Pkr C/E @3676.11' ,Tally Tbg On Trip, EOT @3679.61, Pmp 15BW Pad, Drp S/Vlve, Fill Tbg W/18 BW, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, Set Pkr @ 3737', R/U BJ For Frac & Frac GB-4, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, POOH To 3743', Set Plg, POOH To 3674', Set Pkr, R/U BJ For Frac & Frac GB-2, Flow Well Back @ 3 BPM, R/U Rig Pmp, Circulate Sand & Oil Up, RIH To Plg, Circulate Sand Off Top, P/U Plg, R/D Rig Pmp & Wash Stnd, POOH L/D Tbg, L/D Weatherford Plg & Pkr, P/U Weatherford 5 1/2 Arrow Pkr, S/N, & TIH W/117 Jts Tbg, 1 10' Tbg Sub, & 1 Jt Tbg, Pkr C/E @3676.11' ,Tally Tbg On Trip, EOT @3679.61, Pmp 15BW Pad, Drp S/Vlve, Fill Tbg W/18 BW, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl

Daily Cost: \$0

Cumulative Cost: \$83,937

4/16/2012 Day: 5

Conversion

NC #1 on 4/16/2012 - P/Tst Tbg To 3,000 Psi,Good Tst,N/D BOP,N/U W/HD,pmp 50 Bbls Wtr Pkr Fluid D/Csg,N/D W/HD,Set Pkr,N/U W/HD,P/Tst Csg & Pkr To 1,500 Psi,Good Tst. R/D Rig, Well Ready For MIT (Final Rig Report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U BMW H/Oiler P/Test Tbg To 3,000 Psi, Held Good 1 Hr. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. pmp 50 BW W/-20 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. R/D Rig. 1:30PM Move Out. Well Ready For MIT (Final Report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U BMW H/Oiler P/Test Tbg To 3,000 Psi, Held Good 1 Hr. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. pmp 50 BW W/-20 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. R/D Rig. 1:30PM Move Out. Well Ready For MIT (Final Report).

Daily Cost: \$0

Cumulative Cost: \$90,443

4/25/2012 Day: 6

Conversion

Rigless on 4/25/2012 - Conduct initial MIT - On 04/17/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/24/2012 the casing was pressured up to 1050 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# UT20853-09438 - On 04/17/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/24/2012 the casing was pressured up to 1050 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#

UT20853-09438 **Finalized**
Daily Cost: \$0
Cumulative Cost: \$127,463

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