

NEWFIELD



August 24, 2006

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

RE: Applications for Permit to Drill

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,

A handwritten signature in black ink that reads "Mandie Crozier". The signature is written in a cursive, flowing style.

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

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 9-21-9-17
9. API Well No. 43013-3 3286
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NE/SE Sec. 21, T9S R17E
12. County or Parish Duchesne
13. State UT
14. Distance in miles and direction from nearest town or post office* Approximatley 17.0 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. 1809' f/lse, 1809' f/unit 1200.00
16. No. of Acres in lease 40 Acres
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. 1234'
19. Proposed Depth 5600'
20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5286' GL
22. Approximate date work will start* 4th Quarter 2006
23. Estimated duration Approximately seven (7) days from spud to rig release.

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface **NE/SE 1809' FSL 560' FEL 885059X 40.014344**
At proposed prod. zone **44296157 -109.003351**

14. Distance in miles and direction from nearest town or post office*
Approximatley 17.0 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. 1809' f/lse, 1809' f/unit
1200.00

16. No. of Acres in lease
40 Acres

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. 1234'

19. Proposed Depth
5600'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5286' 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) BRADLEY G. HILL	Date 08-29-06
Title ENVIRONMENTAL MANAGER		

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

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

*(Instructions on reverse)

RECEIVED

AUG 25 2006

DIV OF OIL, GAS & MINING

**Federal Approval of this
Action is Necessary**

**NEWFIELD PRODUCTION COMPANY
LONE TREE FEDERAL #9-21-9-17
NE/SE 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' – 1930'
Green River	1930'
Wasatch	5600'

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

Green River Formation 1930' – 5600' - 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 #9-21-9-17
NE/SE 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 #9-21-9-17 located in the NE 1/4 SE 1/4 Section 21, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.9 miles \pm to it's junction with an existing road to the south; proceed southeasterly - 2.5 miles \pm to it's junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road - 1420' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

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

For the Lone Tree Federal #9-21-9-17 Newfield Production Company requests 1420' 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 1420' 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 1420' 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

Ferruginous Hawk: Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30th (based on

a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, 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.

Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

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

Details of the On-Site Inspection

The proposed Lone Tree Federal #9-21-9-17 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

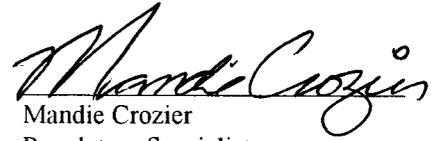
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #9-21-9-17 NE/SE Section 21, Township 9S, Range 17E: Lease UTU-13905 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond 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

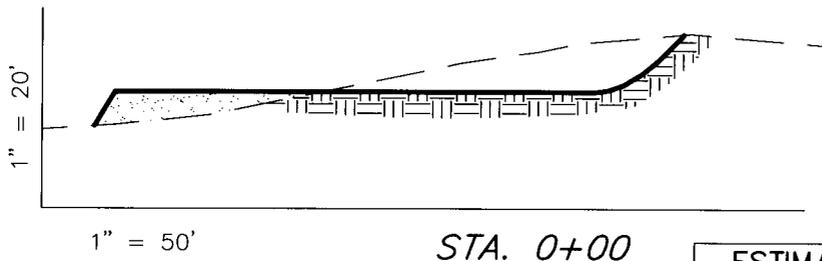
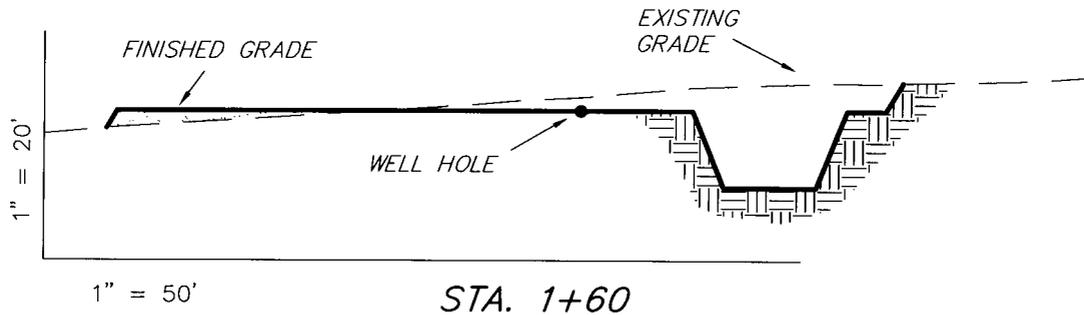
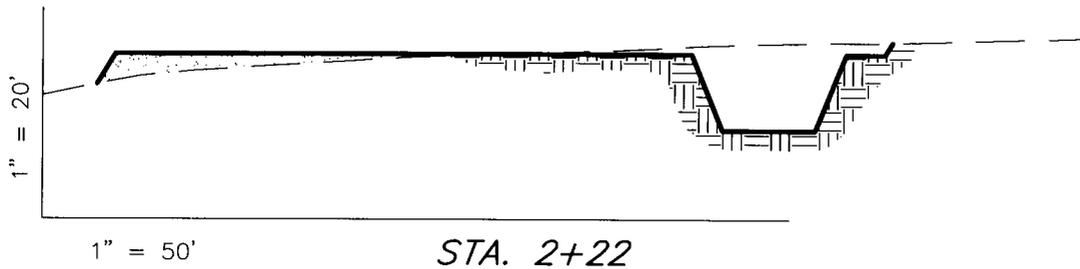
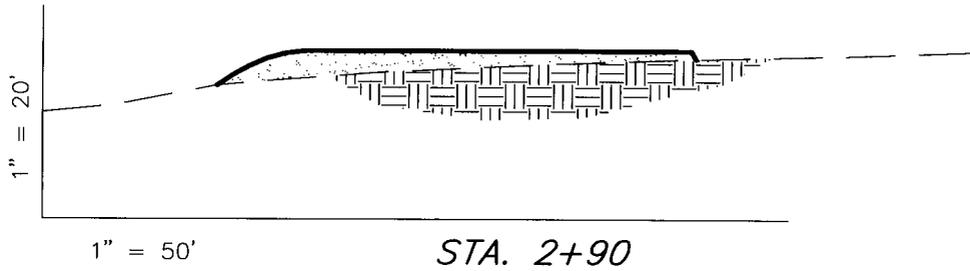
Regulatory Specialist

Newfield Production Company

NEW FIELD PRODUCTION COMPANY

CROSS SECTIONS

LONE TREE 9-21-9-17



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,590	1,590	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,230	1,590	970	640

SURVEYED BY: C.M.

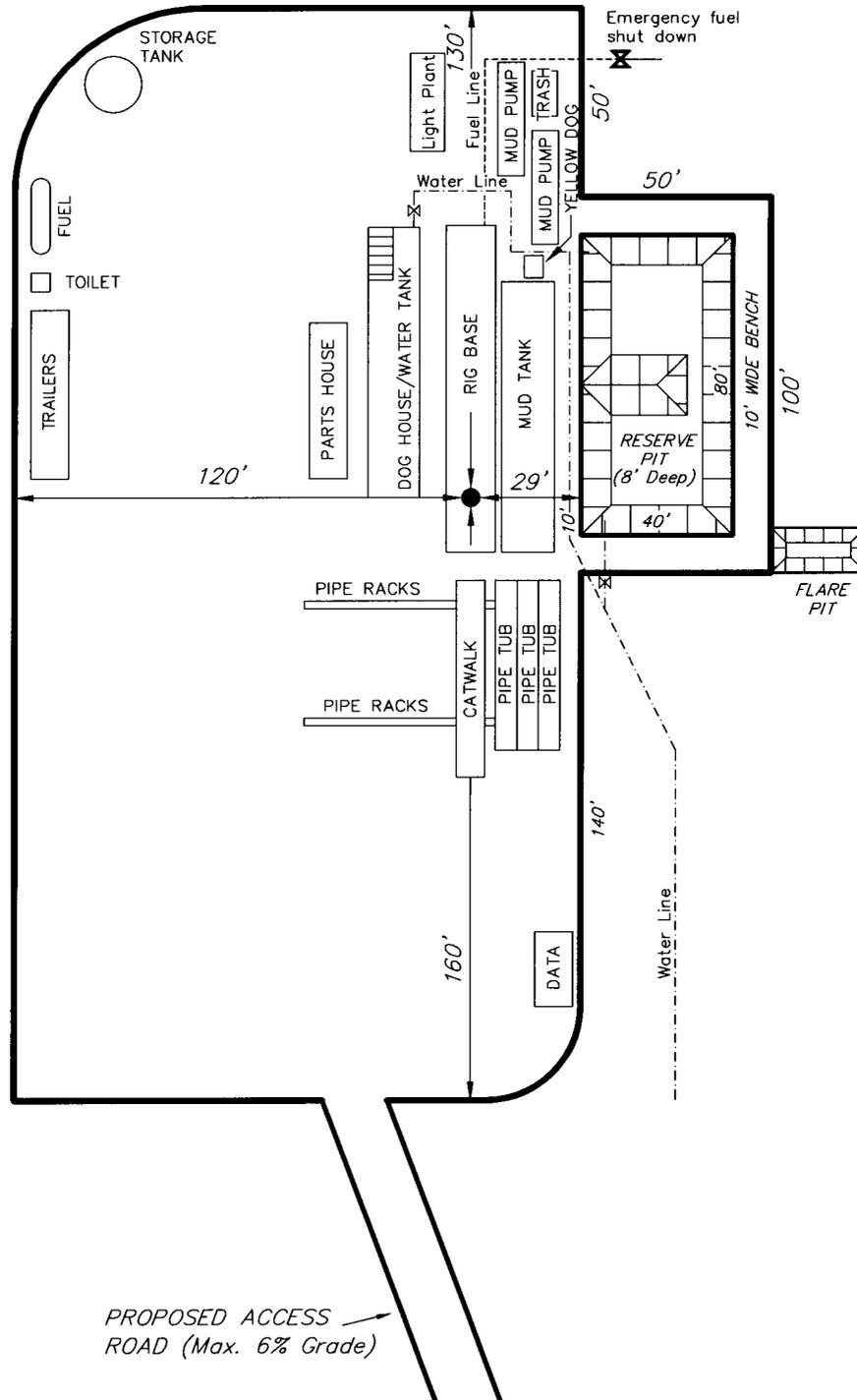
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 06-20-06

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

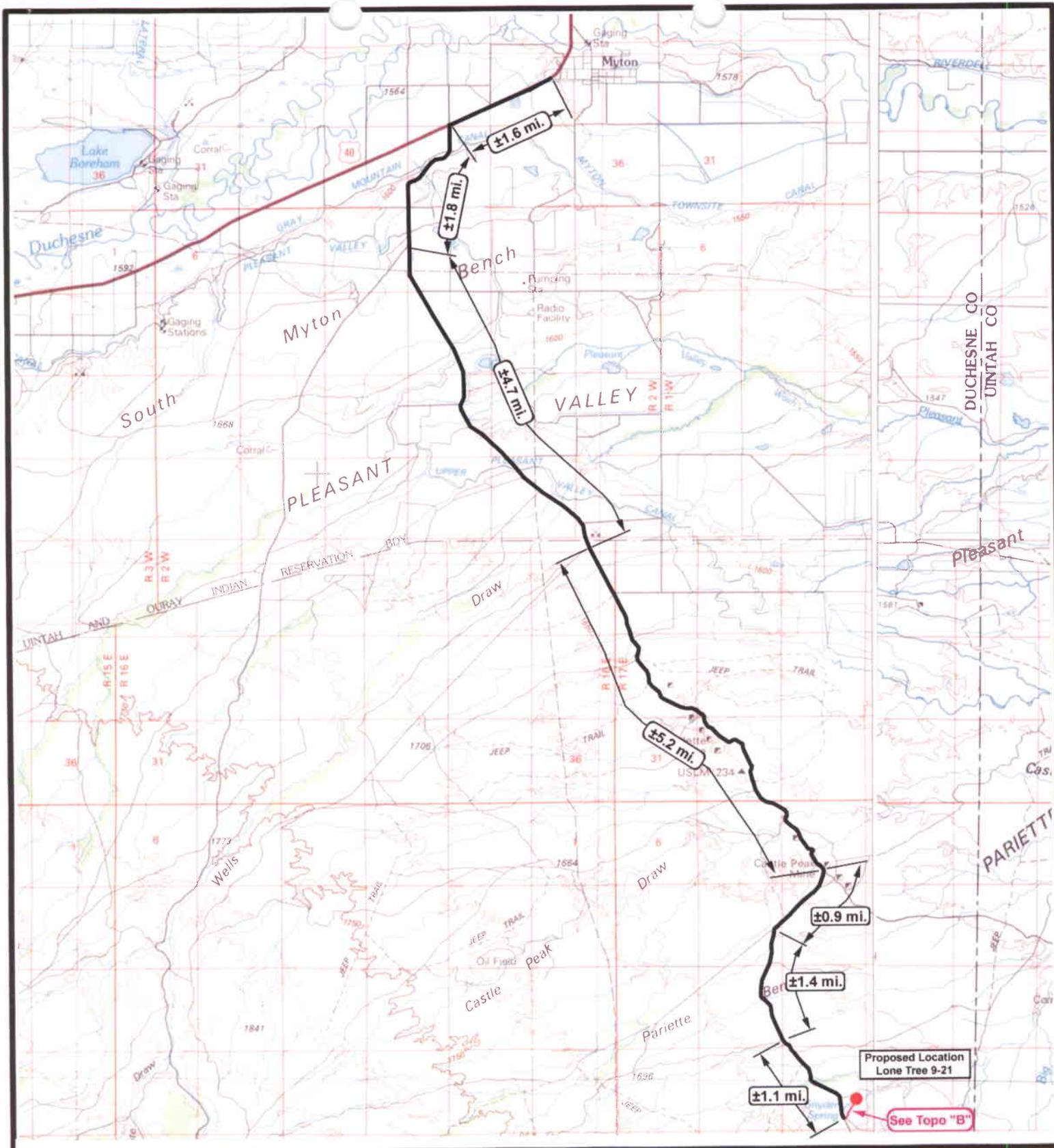
NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
LONE TREE 9-21-9-17



PROPOSED ACCESS ROAD (Max. 6% Grade)

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

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



NEWFIELD
Exploration Company

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



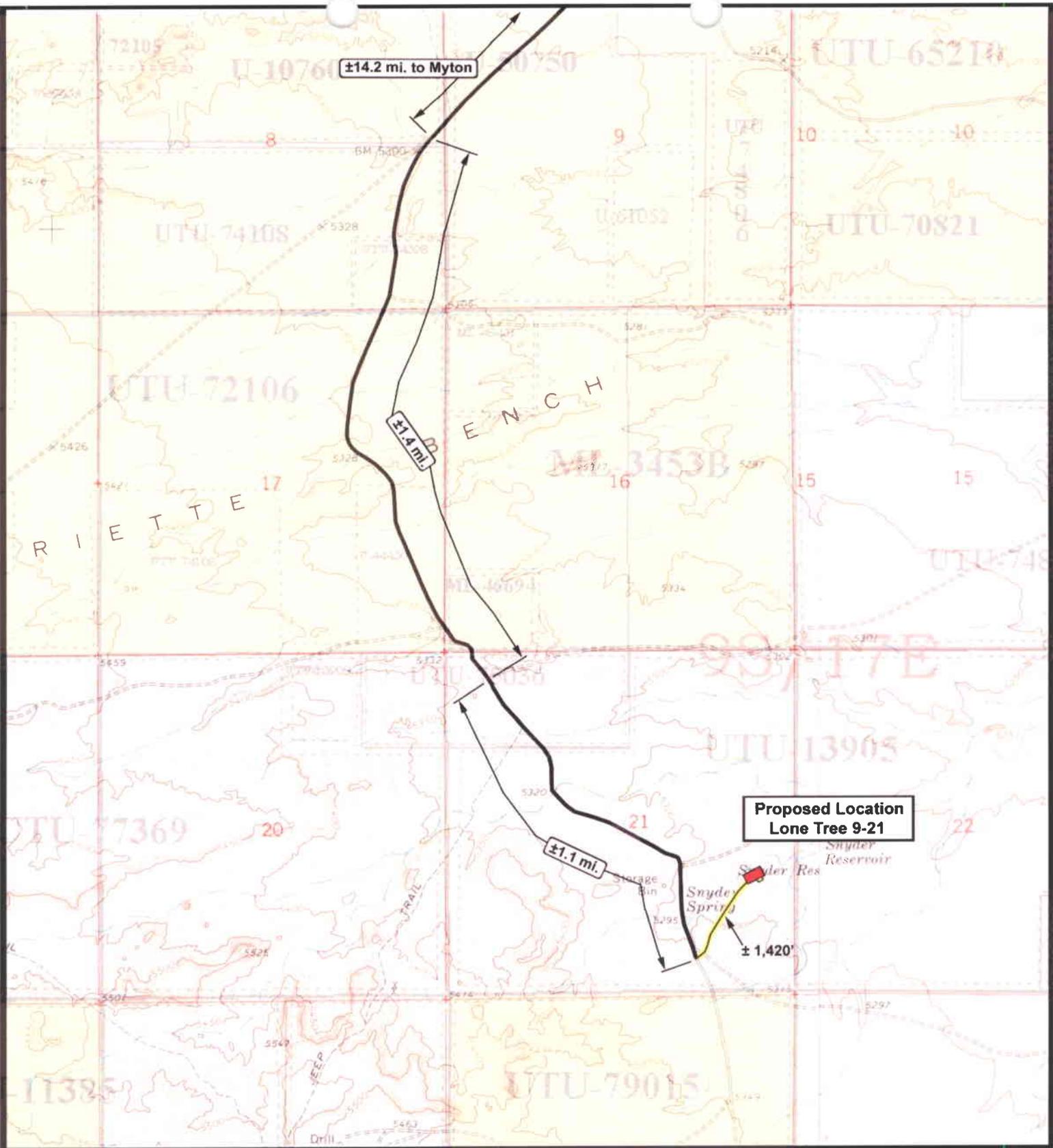
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 06-20-2006

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



**Proposed Location
Lone Tree 9-21**

 **NEWFIELD**
Exploration Company

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



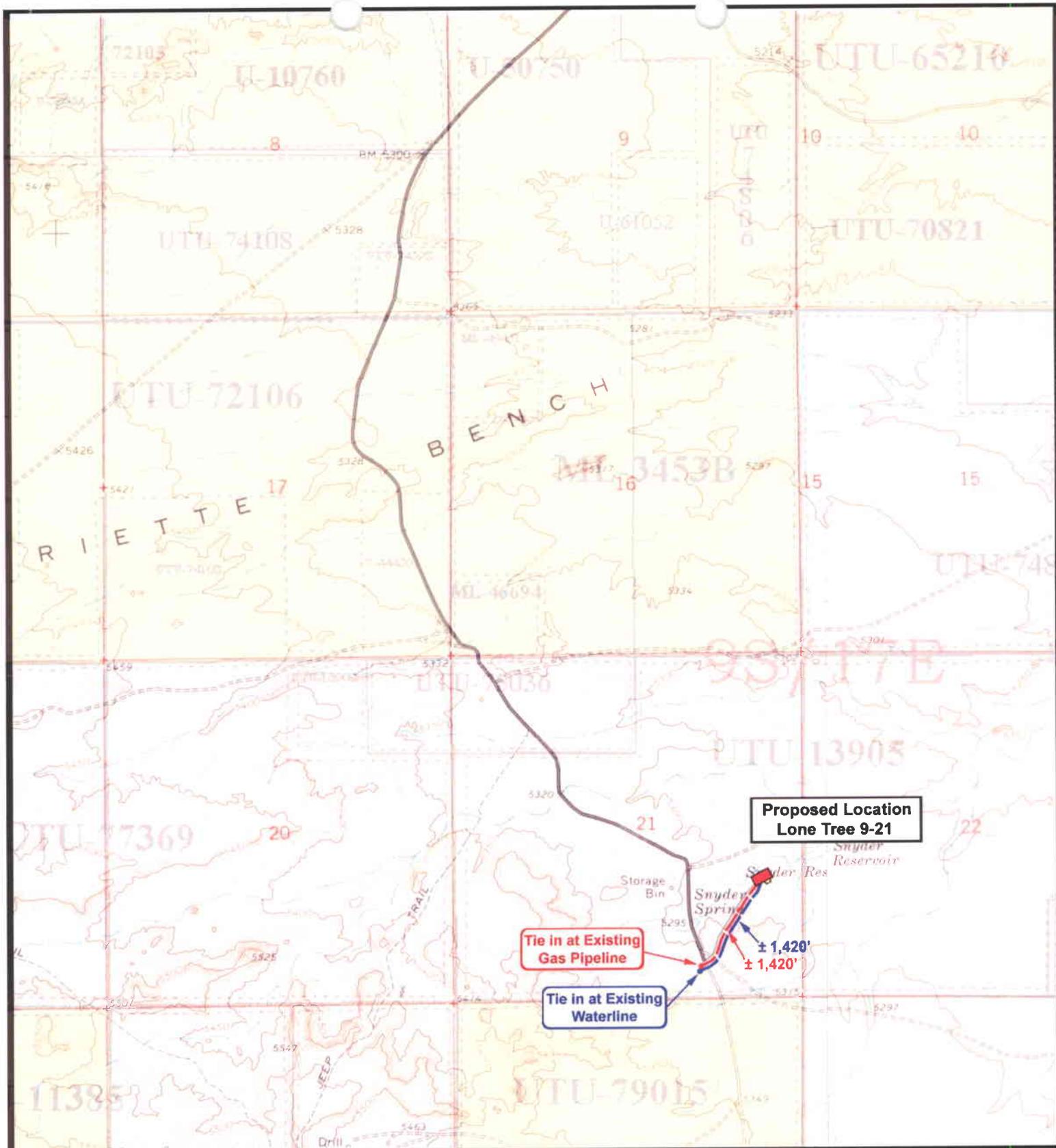

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 06-20-2006

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP
"B"



**Proposed Location
Lone Tree 9-21**

**Tie in at Existing
Gas Pipeline**

**Tie in at Existing
Waterline**

± 1,420'
± 1,420'

NEWFIELD
Exploration Company

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



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

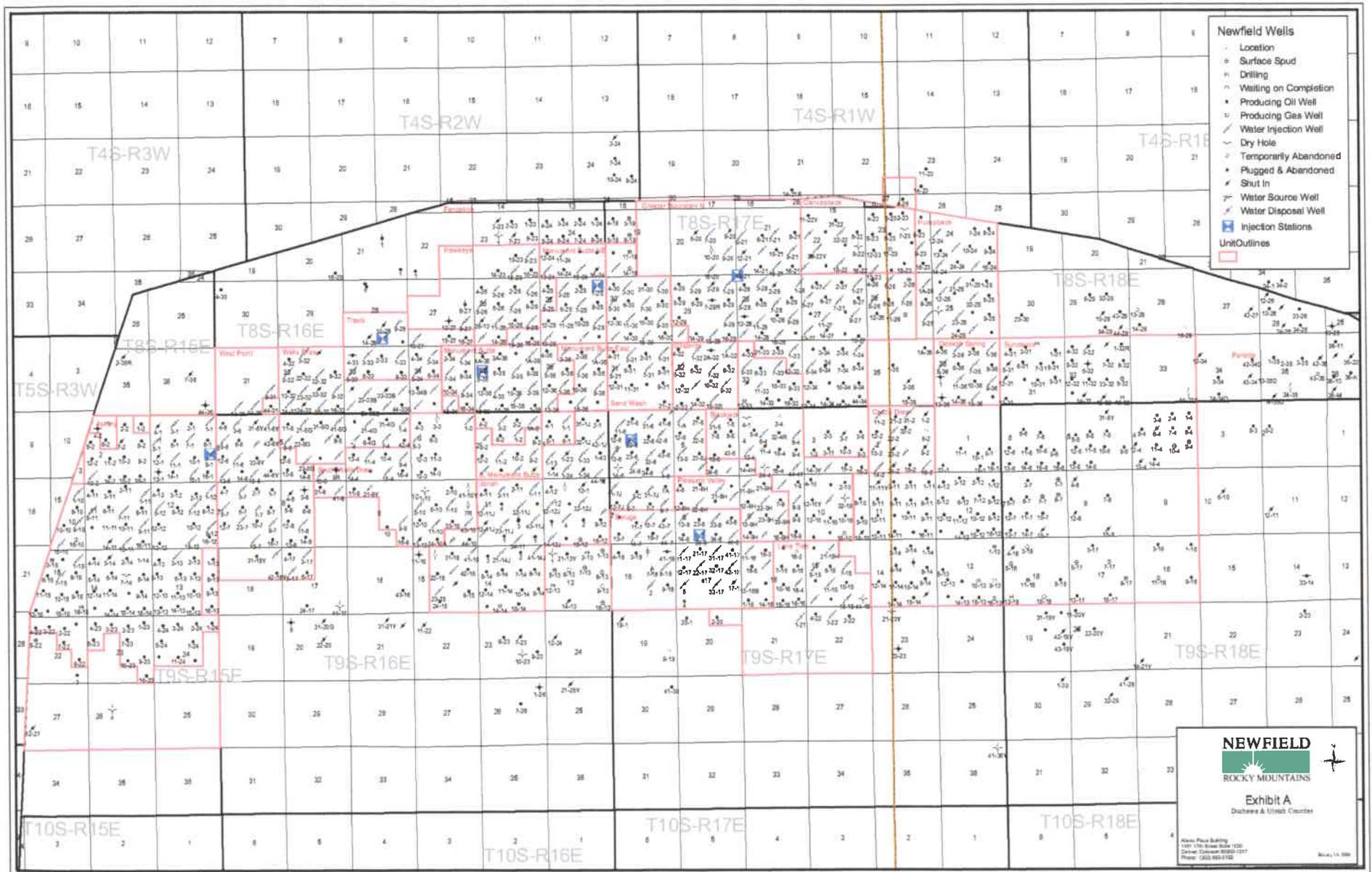
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DRAWN BY: mw
DATE: 06-20-2006

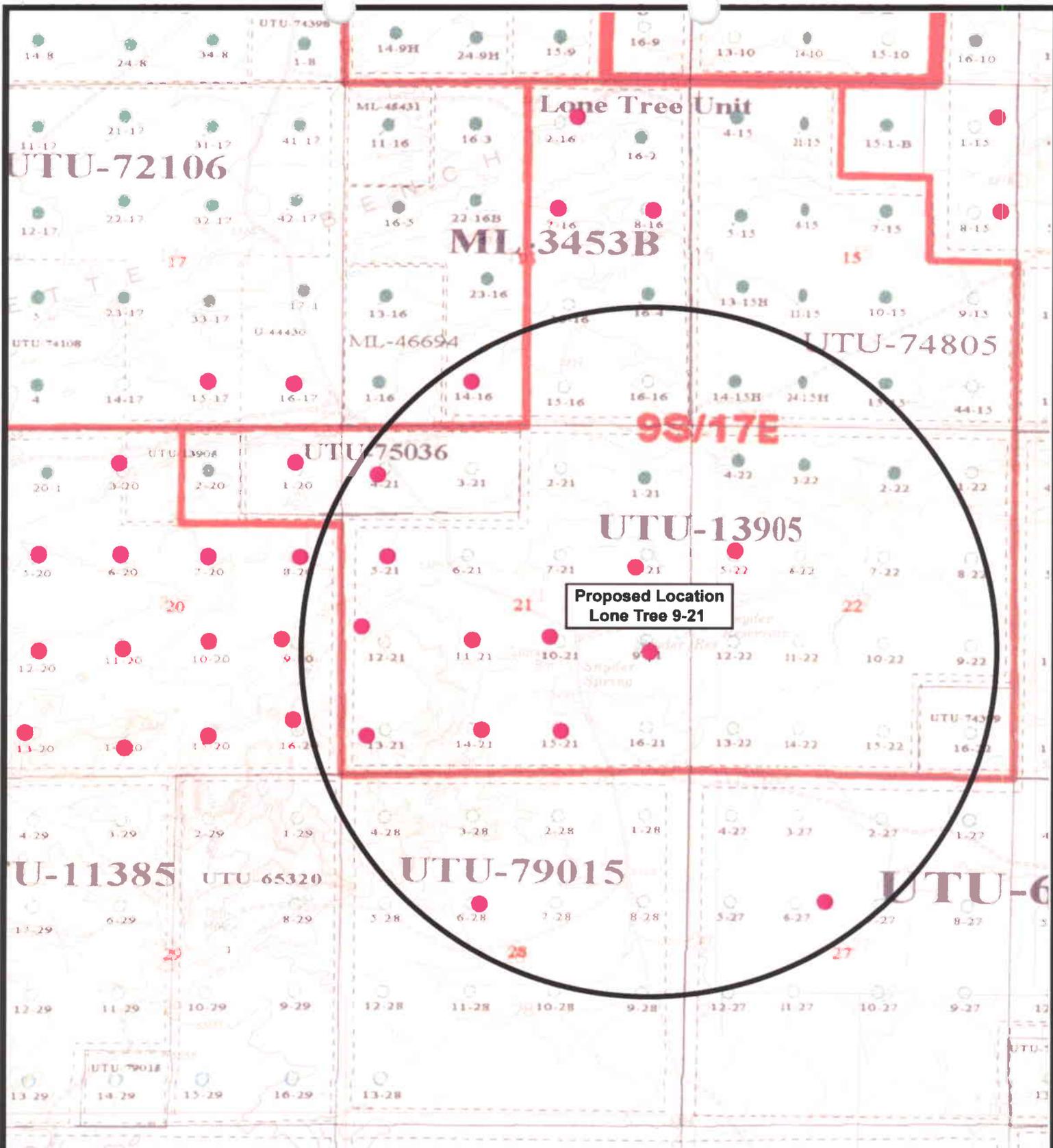
Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP

"C"





**Proposed Location
Lone Tree 9-21**

 **NEWFIELD**
Exploration Company

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




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

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 06-20-2006

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

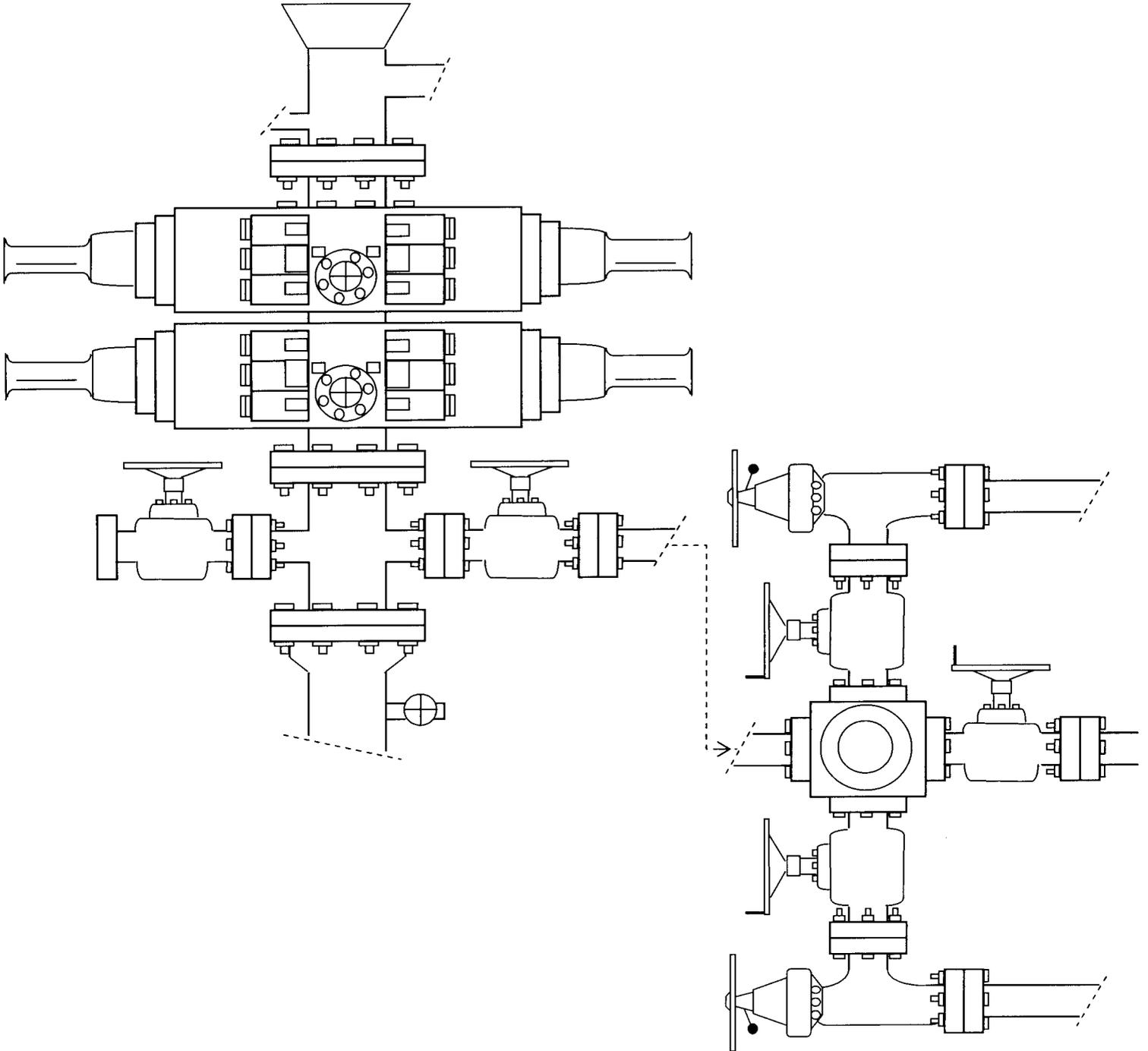


EXHIBIT C

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**

252

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

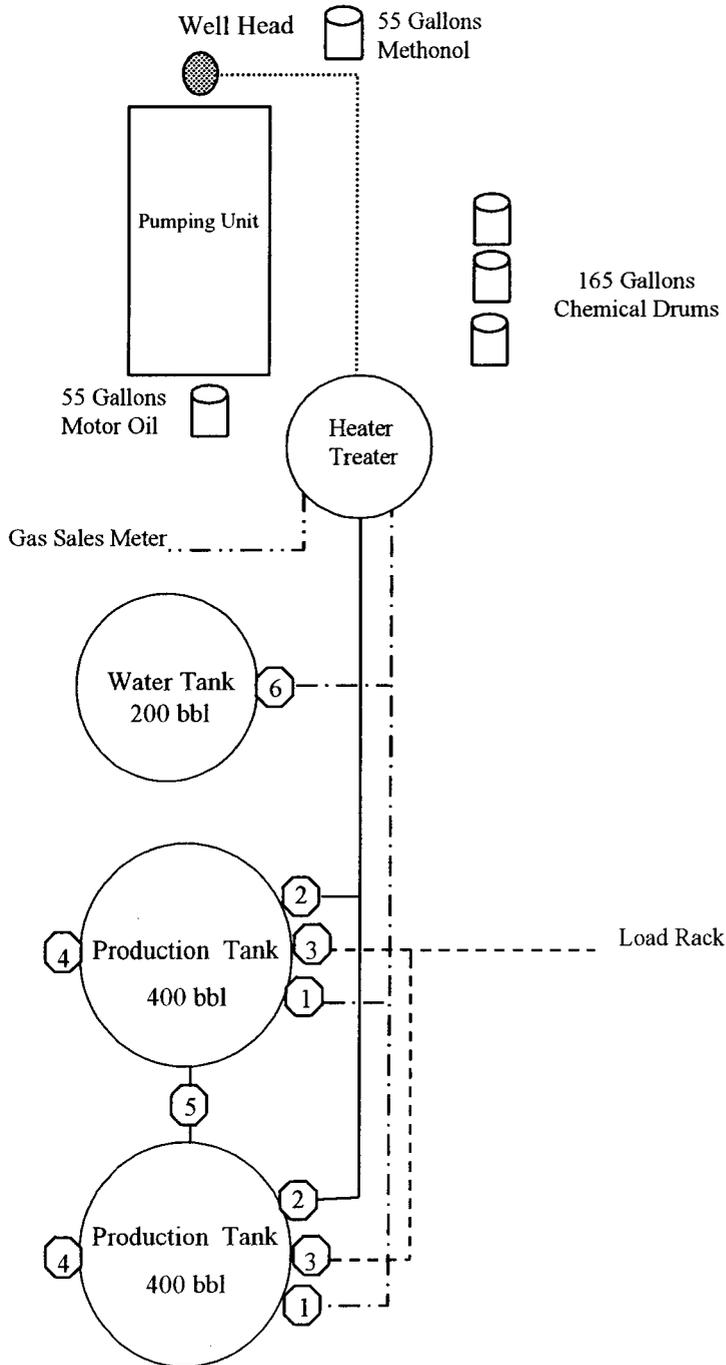
Newfield Production Company Proposed Site Facility Diagram

Lone Tree Federal 9-21-9-17

NE/SE 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: 43-013-33286

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

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESE 21 090S 170E
 SURFACE: 1809 FSL 0560 FEL
 BOTTOM: 1809 FSL 0560 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.01434 LONGITUDE: -109.0034
 UTM SURF EASTINGS: 585059 NORTHINGS: 4429615
 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: 8-26-1995
Siting: Susenas General Siting
- R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Lease 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 4-21

LONE TREE FED
5-21-9-17

LONE TREE FED
6-21-9-17

LONE TREE FED
7-21-9-17

LONE TREE FED
8-21-9-17

21

LONE TREE FED
12-21-9-17

NGC FEDERAL
33-21-H

LONE TREE FED
11-21-9-17

LONE TREE FED
9-21-9-17

MONUMENT BUTTE FIELD LONE TREE (GR) UNIT

CAUSE: 228-5 / 8-26-1998

LONE TREE FED
16-21-9-17

LONE TREE FED
13-21-9-17

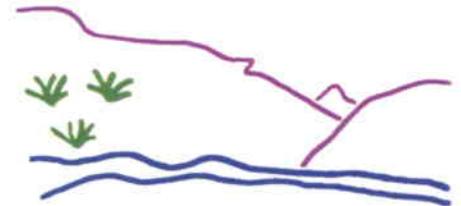
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: UINTAH

CAUSE: 228-5 / 8-26-1998



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
- x GAS STORAGE
- x LOCATION ABANDONED
- x NEW LOCATION
- x PLUGGED & ABANDONED
- x PRODUCING GAS
- x PRODUCING OIL
- x SHUT-IN GAS
- x SHUT-IN OIL
- x TEMP. ABANDONED
- x TEST WELL
- x WATER INJECTION
- x WATER SUPPLY
- x WATER DISPOSAL
- x 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 9-21-9-17 Well, 1809' FSL, 560' FEL, NE SE, 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 43-013-33286.

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 9-21-9-17

API Number: 43-013-33286

Lease: UTU-13905

Location: NE SE **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

ELMVERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-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 9-21-9-17

9. API Well No.
43-013-33286

10. Field and Pool, or Exploratory
Monument Butte

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

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NE/SE 1809' FSL 560' FEL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
Approximatley 17.0 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. 1809' f/le, 1809' 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. 1234'

19. Proposed Depth
5600'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5286' GL

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

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

24. Attachments

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

- | | |
|--|---|
| <ul style="list-style-type: none"> 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). | <ul style="list-style-type: none"> 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) *[Signature]* Name (Printed/Typed) Jerry Kewicka Date 4-5-2007
Title Assistant Field Manager Office VERNAL FIELD OFFICE
Lands & Mineral Resources

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

NOTICE OF APPROVAL
RECEIVED

APR 10 2007

DIV. OF OIL, GAS & MINING

UDOGM

07CX50056A

No NOS



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Lone Tree Federal 9-21-9-17
API No: 43-013-33286

Location: NESE, 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:

- **WILDLIFE:**
 1. **There is a newly discovered Ferruginous Hawk nest in a tree (Lone Tree) within ½ mile E of the location and is in line-of-site. With this occurrence there will be a timing restriction to protect Ferruginous Hawk nesting from March 1 – July 15.**
 2. **There is a Golden Eagle nest ½ mile W of the location, but is not in line-of-site of the location. With this occurrence there will be a timing restriction to protect Golden Eagle nesting from February 1 – July 15.**
- Lease Notices (field review and RMP):
 1. 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 and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Comments:
 1. The proposed area contains poor Mountain Plover habitat due to dense vegetation and many rolling hills.
 2. If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.

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.
 - **Interim Reclamation:**
 - Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, and the reserve pit is closed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.
 - The interim seed mix for this location shall be:

Crested wheatgrass (<i>Agropyron cristatum</i>):	4 lbs/acre
Needle and Threadgrass (<i>Hesperostipa comata</i>):	4 lbs/acre
Indian Ricegrass (<i>Achnatherum hymenoides</i>):	4 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.

- Certified weed free seed and straw shall be used for final and interim and reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.
 - 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 re-contoured, then the area shall be seeded in the same manner as the topsoil.
 - There shall be no primary or secondary weeds in the seed mixture.
 - The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and the stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
 - The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixtures shall be doubled and the area raked or chained to cover the seed. Seeding shall be conducted in the fall.
-
- The operator will be responsible for treatment and control of invasive and noxious weeds.
 - Once the location is plugged and abandoned, it shall be recontoured to natural topography, 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 reclamation bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
 - The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
 - The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
 - All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
 - All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
 - Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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 9-21-9-17

9. API Well No.
43-013-33286

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)
1809 FSL 560 FEL NE/SE 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]

8-15-07
RM

RECEIVED
AUG 14 2007

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

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.

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

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

API: 43-013-33286
Well Name: Lone Tree Federal 9-21-9-17
Location: NE/SE 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


AUG 14 2007
REGISTRY

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

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

Api No: 43-013-33286 Lease Type: FEDERAL

Section 21 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 09/25/07

Time 7:00 AM

How DRY

Drilling will Commence: _____

Reported by DELL RAY

Telephone # (435) 828-6110

Date 09/25/07 Signed CHD

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84062

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
A	99999	16401	4301333000	FEDERAL 14-18-9-16	SESW	18	9S	16E	DUCHESNE	9/17/2007	10/17/07
WELL 1 COMMENTS: GRUV											
A	99999	16402	4301333702	HANCOCK 6-20-4-1	SENW	20	4S	1W	DUCHESNE	9/22/2007	10/17/07
GRUV											
A	99999	16403	4301333065	FEDERAL 4-19-9-16	NWNW	19	9S	16E	DUCHESNE	9/21/2007	10/17/07
GRUV											
B	99999	12417	4301333286	LONE TREE FED 9-21-9-17	NESE	21	9S	17E	DUCHESNE	9/25/2007	10/17/07
GRUV											
A	99999	16404	4301333158	FEDERAL 7-19-9-16	SWNE	19	8S	16E	DUCHESNE	9/25/2007	10/17/07
WELL 5 COMMENTS: GRUV											
B	99999	14844	4304735848	FEDERAL 6-1-9-17	SENW	1	9S	17E	UINTAH	9/26/2007	10/17/07
WELL 5 COMMENTS: GRUV											

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

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

Signature: Jennifer Park Jentri Park
Production Clerk 9/27/07
Date Date

DIV. OF OIL, GAS & MINING

SEP 27 2007

RECEIVED

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



1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1809 FSL 560 FEL
 NESE Section 21 T9S R17E

5. Lease Serial No.
 USA UTU-13905

6. If Indian, Allottee or Tribe Name.

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

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

9. API Well No.
 4301333286

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

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

On 10/02/07 MIRU NDSI Rig # 3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5600'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 145 jt's of 5.5 J-55, 15.5# csgn. Set @ 5584.72' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 29 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 105,000 #'s tension. Release rig @ 6:00 AM on 10/07/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jim Smith	Title Drilling Foreman
Signature 	Date 10/07/2007

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

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

(Instructions on reverse)

RECEIVED
 OCT 11 2007
 DIV. OF OIL & GAS

5 1/2" CASING SET AT 5584.72

Flt cllr @ 5532.21

LAST CASING 8 5/8" Set @ 325.81'

OPERATOR Newfield F

DATUM 12' KB

WELL Lone Tree Federal 9-21-9-17

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # NDSI #3

TD DRILLER 5600' Loggers 5592'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 4018' / 6.32'					
145	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5946.99
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	38.61
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5586.72
TOTAL LENGTH OF STRING	5586.72	146	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	38.59	5	CASING SET DEPTH	5584.72

TOTAL	5610.06	147	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	5610.06	147	

TIMING	1ST STAGE	2nd STAGE	
BEGIN RUN CSG.	10/6/2007	8:30 PM	GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE	10/6/2007	12:00 AM	Bbls CMT CIRC TO SURFACE <u>29</u>
BEGIN CIRC	10/7/2007	12:15 AM	RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u>
BEGIN PUMP CMT	10/7/2007	2:15 AM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>
BEGIN DSPL. CMT	10/7/2007	4:18 AM	BUMPED PLUG TO <u>1809</u> PSI
PLUG DOWN	10/7/2007	4:28 AM	

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	300	Premilite II w/ 10% gel + 3% KCL, 5#/s /sk CSE + 2# sk/kolseal + 1/2#/s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT SHOW MAKE & SPACING

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

COMPANY REPRESENTATIVE Jim Smith DATE 10/7/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
435.646.3721

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

1809 FSL 560 FEL

NESE Section 21 T9S R17E

5. Lease Serial No.

USA UTU-13905

6. If Indian, Allottee or Tribe Name.

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

LONE TREE UNIT

8. Well Name and No.

LONE TREE FEDERAL 9-21-9-17

9. API Well No.

4301333286

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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

Date

10/30/2007

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

RECEIVED

NOV 05 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

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, recenter 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:
LONE TREE UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
LONE TREE FEDERAL 9-21-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333286

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1809 FSL 560 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 21, T9S, R17E

STATE: UT

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

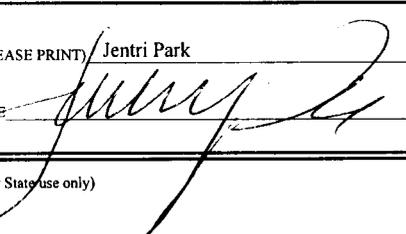
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>11/15/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 10/29/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 11/15/2007

(This space for State use only)

RECEIVED
NOV 16 2007
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

LONETREE 9-21-9-17**8/1/2007 To 12/30/2007****10/19/2007 Day: 1****Completion**

Rigless on 10/18/2007 - Instal 5K 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 @ 5528' & cement top @ 52'. Perforate stage #1, CP1 sds @ 5050-56' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 24 shots. 131 bbls EWTR. SIFN.

10/24/2007 Day: 2**Completion**

Rigless on 10/23/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac stage #1, CP1 sds down casing w/ 20,285#'s of 20/40 sand in 352 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3120 psi. Pump 30 gals of Techna Hib. Treated @ ave pressure of 2794 w/ ave rate of 23.1 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2360. 483 bbls EWTR. Leave pressure on well. RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6k) composite flow through frac plug & 8' perf gun. Set plug @ 4830'. Perforate LODC sds @ 4724-32' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 32 shots. RU BJ & frac stage #2 w/ 40,083#'s of 20/40 sand in 403 bbls of Lightning 17 frac fluid. Open well w/ 1856 psi on casing. Perfs broke down @ 2405 psi. Pump 30 gals of Techna Hib. Treated @ ave pressure of 2333 w/ ave rate of 23.1 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2500. 886 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 8' perf gun. Set plug @ 4660'. Perforate A1 sds @ 4588-96' w/ 4 spf for total of 32 shots. RU BJ & frac stage #3 w/ 30,204#'s of 20/40 sand in 378 bbls of Lightning 17 frac fluid. Open well w/ 1835 psi on casing. Perfs broke down @ 3930 psi. Pump 30 gals of Techna Hib. Treated @ ave pressure of 1830 w/ ave rate of 23.1 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1790. 1264 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 11' perf gun. Set plug @ 4530'. Perforate B2 sds @ 4465-76' w/ 4 spf for total of 44 shots. RU BJ & frac stage #4 w/ 60,087#'s of 20/40 sand in 496 bbls of Lightning 17 frac fluid. Open well w/ 1538 psi on casing. Perfs broke down @ 2535 psi. Pump 30 gals of Techna Hib. Treated @ ave pressure of 2678 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 3460. 1760 bbls EWTR. Leave pressure on well. RIH w/ frac plug & 18' perf gun. Set plug @ 4350'. Perforate D2 sds @ 4238-56'. RU BJ & perfs won't break down. RIH & perfs are covered w/ sand (22'). Flow well back. Well flowed for 4 hours & cleaned up w/ 320 bbls rec'd. SIFN.

10/25/2007 Day: 3**Completion**

Rigless on 10/24/2007 - RU BJ & frac stage #5 w/ 65,553#'s of 20/40 sand in 528 bbls of Lightning 17 frac fluid. Open well w/ 686 psi on casing. Perfs broke down @ 2744 psi. Pump 30 gals of Techna Hib. Treated @ ave pressure of 2305 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. ISIP was 2525. 1968 bbls EWTR. Flow well back. Well flowed for 4 hours & cleaned up w/ 320 bbls rec'd. SIFN.

10/26/2007 Day: 4**Completion**

Western #1 on 10/25/2007 - MIRUSU. Open well w/ 230 psi on casing. RD Cameron

BOP's & frac head. Instal 3000# tbg production head & Schaefer BOP's. RU bit (used Chomp) & bit sub. Tally & pickup new 2-7/8", J-55, 6.5# tbg. TIH w/ 40 jts tbg. SIFN.

10/27/2007 Day: 5

Completion

Western #1 on 10/26/2007 - Bleed pressure off well. Rec est 30 BTF. Con't Talley, drift, PU & TIH W/ bit and tbg f/ 1526'. Tag fill @ 4319'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4319', plug @ 4350' in 27 minutes; sd @ 4396', plug @ 4530' in 25 minutes; no sd, plug @ 4660' in 16 minutes; sd @ 4801', plug @ 4830' in 22 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5482'. PU swivel. Drill plug remains & sd to PBD @ 5545'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5437'. RU swab equipment. IFL @ sfc. Made 9 swb runs rec 105 BTF W/ light gas & no sd. FOC @ 5%. FFL @ 1500'. SIFN W/ est 1503 BWTR.

10/30/2007 Day: 6

Completion

Western #1 on 10/29/2007 - Bleed gas off well. TIH W/ tbg f/ 5437'. Tag sd @ 5537' (8' new fill). C/O sd to PBD @ 5545'. Circ hole clean. Lost est 35 BW & rec tr oil. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 162 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5038' W/ SN @ 5071' & EOT @ 5135'. Land tbg W/ 16,000# tension. had to replace B1 adapter flange due to gualled threads. NU wellhead. Flush tbg W/ 60 BW (returned same). PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 15.5' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 76-3/4" plain rods, 99-3/4" scraped rods, 1-8' & 1-2' X 3/4" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1468 BWTR. Place well on production @ 7:00 PM 10/29/2007 W/ 84" SL @ 4.5 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

RECEIVED

NOV 16 2007

DIV. OF OIL, GAS & MINING

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK
 OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

5. LEASE DESIGNATION AND SERIAL NO.
UTU-13905

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Lone Tree Unit

8. FARM OR LEASE NAME, WELL NO.
Lone Tree Federal 9-21-9-17

2. NAME OF OPERATOR
Newfield Exploration Company

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

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
 At Surface **1809' FNL & 560' FWL (NE/SE) Sec. 21, T9S, R17E**
 At top prod. Interval reported below
 At total depth

9. WELL NO.
43-013-33286

10. FIELD AND POOL OR WILDCAT
Monument Butte

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

14. API NO. **43-013-33286** DATE ISSUED **08/29/07**

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

15. DATE SPUDDED **09/25/07** 16. DATE T.D. REACHED **10/06/07** 17. DATE COMPL. (Ready to prod.) **10/29/07** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5286' GL 5298' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5600'** 21. PLUG BACK T.D., MD & TVD **5545'** 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 4238'-5956'

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#	325'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5585'	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 @ 5135'	TA @ 5038'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5050'-5056'	.49"	4/24	5050'-5056'	Frac w/ 20,285# 20/40 sand in 352 bbls fluid
(LODC) 4724'-4732'	.49"	4/32	4724'-4732'	Frac w/ 40,083# 20/40 sand in 403 bbls fluid
(A1) 4588'-4596'	.49"	4/32	4588'-4596'	Frac w/ 30,204# 20/40 sand in 378 bbls fluid
(B2) 4465'-4476'	.49"	4/44	4465'-4476'	Frac w/ 60,087# 20/40 sand in 496 bbls fluid
(D2) 4238'-4256'	.49"	4/72	4238'-4256'	Frac w/ 65,553# 20/40 sand in 528 bbls fluid

33.* **PRODUCTION**

DATE FIRST PRODUCTION **10/30/07** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2-1/2" x 1-1/2" x 12' x 15.5' RHAC SM Plunger Pump** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST **10 day ave** HOURS TESTED _____ CHOKE SIZE _____ PROD. FOR TEST PERIOD **---->** OIL--BBL. **91** GAS--MCF. **88** WATER--BBL. **9** GAS-OIL RATIO **967**

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 **DEC 17 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 *Mark* TITLE **Production Technician** DATE **11/28/2007**

D.V. OF OIL, GAS & MINING

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 9-21-9-17	Garden Gulch Mkr	3260'	
				Garden Gulch 1	3406'	
				Garden Gulch 2	3512'	
				Point 3 Mkr	3758'	
				X Mkr	4010'	
				Y-Mkr	4044'	
				Douglas Creek Mkr	4164'	
				BiCarbonate Mkr	4390'	
				B Limestone Mkr	4596'	
				Castle Peak	5011'	
				Basal Carbonate	5420'	
				Wasatch	5554'	
				Total Depth (LOGGERS)	5592'	



Well Name: Lone Tree 9-21-9-17
 LOCATION: S21, T9S, R17E
 COUNTY/STATE: Duchesne
 API: 43-013-33286

Spud Date: 9-25-07
 TD: 5600'
 CSG: 10-6-07
 POP: 10-29-07

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
10/29/2007				1468				
10/30/2007	12	31	51	4417	0	15	6	POP @ 7:00 P.M. w/ 84" SL @ 4.5 SPM. 1468 Total water to recover.
10/31/2007	24	20	115	1302	10	32	6 1/2	
11/1/2007	24	35	70	1232	27	40	6 1/2	
11/2/2007	24	78	45	1187	22	45	6 1/2	
11/3/2007	24	105	63	1124	60	50	6 1/2	
11/4/2007	24	58	47	1077	71	53	6 1/2	
11/5/2007	24	153	23	1054	62	55	6 1/2	
11/6/2007	24	140	23	1031	43	60	6 1/2	
11/7/2007	24	123	21	1010	43	60	6 1/2	
11/8/2007	24	110	23	987	58	50	6 1/2	
11/9/2007	24	111	13	974	34	55	6 1/2	
11/10/2007	24	99	15	959	21	50	6 1/2	
11/11/2007	24	100	12	947	11	50	6 1/2	
11/12/2007	24	98	11	936	10	50	6 1/2	
11/13/2007	8	30	3	933	10	400	6	Clutched for oil sale.
11/14/2007	24	98	8	925	5	80	6 1/2	
11/15/2007	24	109	3	922	82	80	6 1/2	
11/16/2007	24	91	15	907	106	60	6 1/2	
11/17/2007	24	101	8	899	113	65	6 1/2	
11/18/2007	24	92	10	889	146	50	6 1/2	
11/19/2007	24	100	10	879	124	50	6 1/2	
11/20/2007	24	88	6	873	136	52	6 1/2	
11/21/2007	24	98	3	870	149	55	6 1/2	
11/22/2007	24	83	3	867	164	45	6 1/2	
11/23/2007	24	105	3	864	150	55	6 1/2	
11/24/2007	24	93	0	864	119	55	6 1/2	
11/25/2007	24	64	6	858	136	50	5 1/2	
11/26/2007	24	80	16	842	117	70	5	
11/27/2007	24	65	3	839	130	52	6	
11/28/2007	24	77	14	825	82	55	6 1/2	
11/29/2007	24	60	3	822	82	52	6 1/2	FINAL
		2695	646		2323			



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

APR 16 2009

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

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

RE: Additional Well: Lone Tree Area Permit

UIC Permit No. UT20853-00000

Well ID: UT20853-08352

Lone Tree Federal 9-21-9-17

1809' FSL & 560' FEL

NE SE Sec. 21 T9S-R17E

Duchesne County, Utah

API #43-013-33286

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

**RECEIVED
APR 27 2009
DIV. OF OIL, GAS & MINING**

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Lone Tree Federal 9-21-9-17 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.

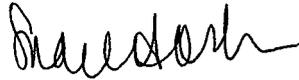
Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,212 feet and the top of the Wasatch Formation, estimated at 5,554 feet.

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, and (3) 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 9-21-9-17 was determined to be **1,525 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 Ms. Sarah Bahrman at (303) 312-6243 or 1-(800)-227-8917 (Ext. 312-6243). Please submit the required data to **ATTENTION: Sarah Bahrman**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

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 9-21-9-17

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 in the Monument Butte Field. On February 5, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

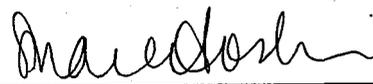
Well Name: **Lone Tree Federal 9-21-9-17**
EPA Well ID Number: **UT 20853-08352**
Location: 1809' FSL & 560' FEL
NE SE Sec. 21 T9S-R17E
Duchesne County, Utah
API #43-013-33286

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. 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: **APR 16 2009**



Eddie A. Sierra
*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 9-21-9-17**
EPA Well ID Number: **UT20853-08352**

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. A successful Part I (internal) Mechanical Integrity test (MIT)

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

Approved Injection Zone: Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,212 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 5,554 ft. (KB).

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1,525 psig**, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.80 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = \mathbf{4,238 \text{ ft.}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \mathbf{1,525 \text{ psig}} \end{aligned}$$

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 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). Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

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 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.

(2) EPA reviewed the cementing records and determined the cement will 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, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the 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 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 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,375 ft. to 2,540 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 165-foot balanced cement plug inside the 5-1/2" casing from approximately 2,375 to 2,540 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,074 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot plug inside the 5-1/2" casing from approximately 1,014-1,134 ft. (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 848 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Lone Tree Federal 9-21-9-17**
EPA Well ID Number: **UT20853-08352**

Underground Sources of Drinking Water (USDWs): USDWs in the Lone Tree 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 848 ft. below ground surface in the Lone Tree Federal 9-21-9-17 well.

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 and Basal Carbonate Members of the Green River Formation Water: 26,962 mg/l.
- TDS of Beluga Facility Injection 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 is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

Confining Zone: The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 192 ft. of shale between the depths of 3,020 ft. and 3,212 ft. (KB).

Injection Zone: The Injection Zone at this well location is approximately 2,342 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,212 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 5,554 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL does show 80% or greater cement bond index in the Confining Zone (3,151 to 3,169 ft. KB)

Surface Casing: 8-5/8" casing is set at 325 ft. (KB) 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 5,585 ft. (KB) in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth 5,600 ft. Plugged back total depth is 5,545 ft. EPA calculates top of cement at 287 ft. Estimated CBL top of cement is 52 ft.

Perforations: Top perforation: 4,238 ft. (KB) Bottom perforation: 5,956 ft. (KB)

AREA OF REVIEW (AOR) WELL REQUIREMENTS

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

Well: Lone Tree Federal 16-21-9-17 API: 43-013-33282 SESE Sec. 21-T9S-R17E

Well: Lone Tree Federal 12-22-9-17 API: 43-013-33309 NWSW Sec. 22-T9S-R17E

Corrective Action Not Required on two AOR wells:

Well: Lone Tree Federal 16-21-9-17 API: 43-013-33282 SESE Sec. 21-T9S-R17E

Shows 14 ft of 80 percent or greater cement bond index across the confining zone, with several significant intervals of 80 percent or greater cement bond index across other shales between the injection zone and USDWs.

Well: Lone Tree Federal 12-22-9-17 API: 43-013-33309 NWSW Sec. 22-T9S-R17E

Shows 43 ft of 80 percent or greater cement bond index through the confining zone from 3,089-3,132 ft.

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

*Authorization for Additional Well: UIC Area Permit UT20853-00000
Well: Lone Tree Federal 9-21-9-17 EPA Well ID: UT20853-08352*

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.

LONE TREE FEDERAL 9-21-9-17

Spud Date: 09/25/07
 Put on Production: 10/29/07
 ✓ GL: 5286' KB: 5298'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

✓ SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.96')
 DEPTH LANDED: 324.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

EPA TOC calc = 287'

✓ PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5548.15')
 DEPTH LANDED: 5584.72' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 52' ✓

80% cement bond index via CZ from

TUBING 3151 - 3169 (18ft.)

✓ SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 162 jts (5025.77')
 TUBING ANCHOR: 5037.77' KB
 NO. OF JOINTS: 1 jts (30.90')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5071.47' KB
 NO. OF JOINTS: 2 jts (62.13')
 TOTAL STRING LENGTH: EOT @ 5135.15' KB

FRAC JOB

10/23/07 5050-5956' Frac CPI sands as follows:
 20285# 20/40 sand in 352 bbls Lightning 17
 frac fluid. Treated @ avg press of 2794 psi
 w/avg rate of 23.1 BPM. ISIP 2360 psi. Calc
 flush: 5048 gal. Actual flush: 4578 gal.

10/23/07 4724-4732' Frac LODC sands as follows:
 40083# 20/40 sand in 403 bbl Lightning 17
 frac fluid. Treated @ avg press of 2333 psi
 w/avg rate of 23.1 BPM. ISIP 2500 psi. Calc
 flush: 4722 gal. Actual flush: 4242 gal.

10/23/07 4588-4596' Frac A1 sands as follows:
 30204# 20/40 sand in 378 bbls Lightning 17
 frac fluid. Treated @ avg press of 1830 psi
 w/avg rate of 23.1 BPM. ISIP 1790 psi. Calc
 flush: 4586 gal. Actual flush: 4116 gal.

10/23/07 4465-4476' Frac B2 sands as follows:
 60087# 20/40 sand in 496 bbls Lightning 17
 frac fluid. Treated @ avg press of 2678 psi
 w/avg rate of 23.1 BPM. ISIP 3460 psi. Calc
 flush: 4463 gal. Actual flush: 3990 gal.

10/23/07 4238-4256' Frac D2 sands as follows:
 65553# 20/40 sand in 528 bbls Lightning 17
 frac fluid. Treated @ avg press of 2305 psi
 w/avg rate of 23.1 BPM. ISIP 2525 psi. Calc
 flush: 4236 gal. Actual flush: 4158 gal.

798' Base USDU
 (Pub 92)

1074' Green River

2423' Trona

2472' Mahogany Bench (to 2489')

3020' Confining Zone

3212' Garden Gulch

4164' Douglas Creek

Packer @ 4203'
 4238-4256'

4465-4476'

4588-4596'

4724-4732'

5050-5956'
 5419' Basal Carbonate

PBTD @ 5545' ✓
 5554' Wasatch

SHOE @ 5585'

TD @ 5600' ✓

✓ PERFORATION RECORD

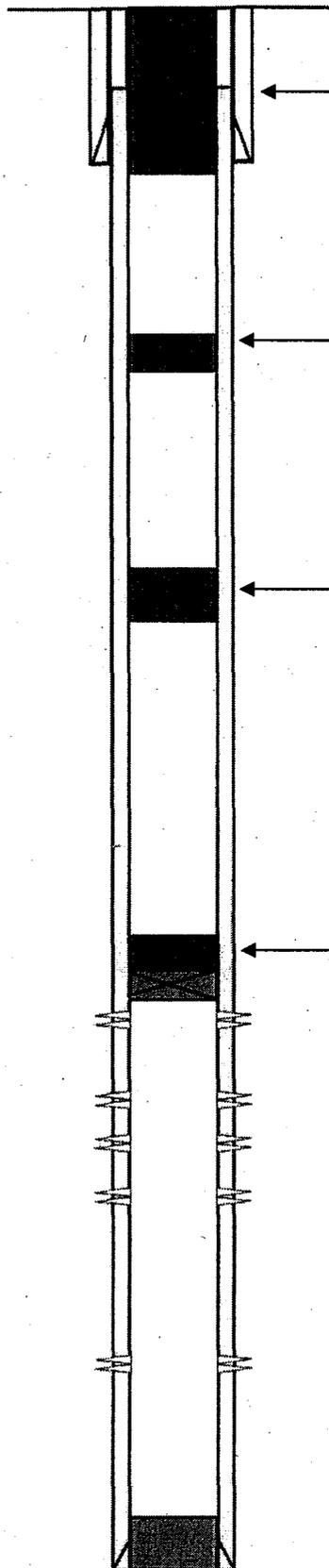
10/23/07	5050-5956'	4 JSPF	24 holes
10/23/07	4724-4732'	4 JSPF	32 holes
10/23/07	4588-4596'	4 JSPF	32 holes
10/23/07	4465-4476'	4 JSPF	44 holes
10/23/07	4238-4256'	4 JSPF	72 holes

NEWFIELD

LONE TREE FEDERAL 9-21-9-17

1809' FSL & 560' FEL.
 NE/SE Section 21-T9S-R17E
 Duchesne Co, Utah
 API #43-013-33286; Lease # UTU-13905

Plugging and Abandonment Diagram for Lone Tree Federal 9-21-9-17



Plug 4: Set a Class "G" cement plug within the 5-1/2" casing beginning at 848 ft and up the 5-1/2" x 8-5/8" casing annulus to the surface.

Plug 3: Set a minimum 120-ft cement plug across the Uinta-Green River contact at 1,074 ft, from approximately 1,014-1,134 ft.

Plug 2: Set a minimum 165-ft cement plug across the Trona and Mahogany Bench intervals, from approximately 2,375-2,540 ft.

Plug 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum of 20 ft cement plug on top of the CIBP.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

APR 13 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

APR 26 2012

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

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 UT20853-09504
Well: Lone Tree Federal 9-21-9-17
NESE Sec. 21 T9S-R17E
Duchesne County, Utah
API No.: 43-013-33286

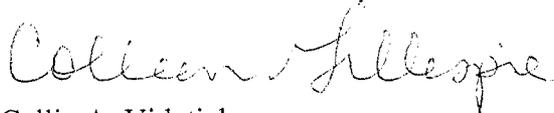
Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Lone Tree Federal 9-21-9-17 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 Bob Near at (303) 312-6278 or (800) 227-8917, extension 312-6278. Please submit the required data 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

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

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 February 27, 2012, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name: **Lone Tree Federal 9-21-9-17**
EPA Permit ID Number: **UT20853-09504**
Location: **1809' FSL & 560' FEL**
NESE Sec. 21-T9S-R17E
Duchesne County, Utah
API #43-013-33286

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: 4/11/12 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 9-21-9-17

EPA Well ID Number: UT20853-09504

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.

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 1,765 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 4,238 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). Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

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

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will 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, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

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 9-21-9-17**
EPA Well ID Number: **UT2020853-09504**

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 798 ft. below ground surface in the Lone Tree Federal 9-21-9-17 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 UT20771-00000 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

*Authorization for Additional Well: UIC Area Permit UT20853-00000
Well: Lone Tree Federal 9-21-9-17 EPA Well ID: UT20853-09504*

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. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

Surface Casing: 8-5/8" casing is set at 325 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 5,585 ft. in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth is 5,600 ft. Plugged back total depth is 5,585 ft. EPA calculates top of cement at 287 ft. Estimated CBL top of cement is 52 ft.

Perforations: Top perforation: 4,238 ft. Bottom perforation: 5,956 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following three wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Lone Tree Federal 9-21-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Lone Tree Federal 8-21-9-17 API: 43-013-33287 SENE Sec. 21-T9S-R17E

This well has adequate Cement Bond Index and top of cement is above the Confining Zone.

Authorization for Additional Well: UIC Area Permit UT20853-00000

Well: Lone Tree Federal 9-21-9-17 EPA Well ID: UT20853-09504

Lone Tree Federal 16-21-9-17 API: 43-013-33282 SESE Sec. 21-T9S-R17E
This well has adequate Cement Bond Index and top of cement is above the Confining Zone.

Lone Tree Federal 12-22-9-17 API: 43-013-33309 NWSW Sec. 22-T9S-R17E
This well has adequate Cement Bond Index and top of cement is above the Confining Zone.

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-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.

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 9-21-9-17

Spud Date: 09/25/07
 Put on Production: 10/29/07
 (H: 5286' KB: 5298')

Initial Production: 130PID,
 MCFD, BWPI)

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.96')
 DEPTH LANDED: 324.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160 sxs Class "G" cement, est 5 bbls cement to surf.

PRODUCTION CASING

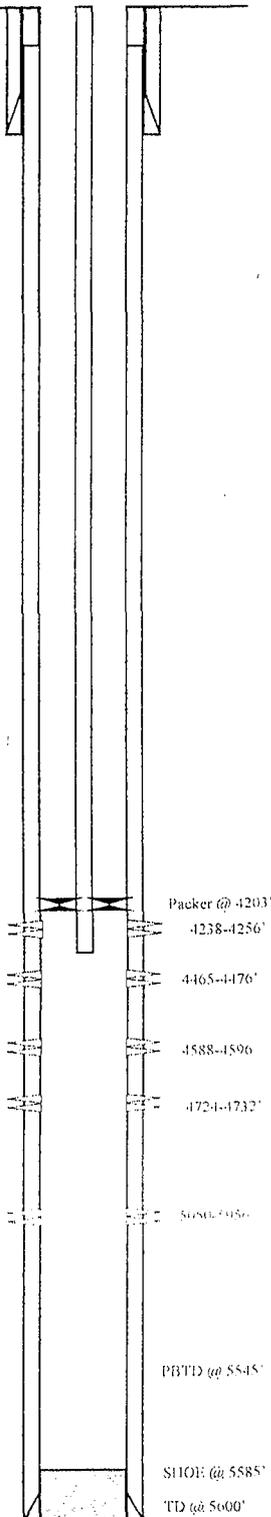
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 18.5#
 LENGTH: 140 jts. (5548.15')
 DEPTH LANDED: 5584.72' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem-Lite H mixed & 400 sxs 50-50 POZ.
 CEMENT TOP: 52'

TUBING

SIZE/GRADE/WT: 2-7/8" J-55 / 6.5#
 NO. OF JOINTS: 162 jts. (5025.77')
 TUBING ANCHOR: 5037.77' KB
 NO. OF JOINTS: 1 jts. (30.90')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5071.47' KB
 NO. OF JOINTS: 2 jts. (62.13')
 TOTAL STRING LENGTH: LOT @ 5135.15' KB

FRAC JOB

10/23/07	5050-5956'	Frac C1 sands as follows: 20285# 20/40 sand in 352 bbls Lightning 17 frac fluid. Treated @ avg press of 2794 psi w/avg rate of 23.1 BPM. ISIP 2360 psi. Calc flush: 5048 gal. Actual flush: 4578 gal.
10/23/07	4724-4732'	Frac L.O.D.C. sands as follows: 40083# 20/40 sand in 403 bbl Lightning 17 frac fluid. Treated @ avg press of 2333 psi w/avg rate of 23.1 BPM. ISIP 2500 psi. Calc flush: 4722 gal. Actual flush: 4242 gal.
10/23/07	4588-4596'	Frac A1 sands as follows: 30204# 20/40 sand in 378 bbls Lightning 17 frac fluid. Treated @ avg press of 1830 psi w/avg rate of 23.1 BPM. ISIP 1790 psi. Calc flush: 4586 gal. Actual flush: 4116 gal.
10/23/07	4465-4476'	Frac B2 sands as follows: 60087# 20/40 sand in 496 bbls Lightning 17 frac fluid. Treated @ avg press of 2678 psi w/avg rate of 23.1 BPM. ISIP 3460 psi. Calc flush: 4463 gal. Actual flush: 3990 gal.
10/23/07	4238-4256'	Frac D2 sands as follows: 65853# 20/40 sand in 528 bbls Lightning 17 frac fluid. Treated @ avg press of 2805 psi w/avg rate of 23.1 BPM. ISIP 2525 psi. Calc flush: 4236 gal. Actual flush: 4158 gal.



PERFORATION RECORD

10/23/07	5050-5956'	4 JSPP	24 holes
10/23/07	4724-4732'	4 JSPP	32 holes
10/23/07	4588-4596'	4 JSPP	32 holes
10/23/07	4465-4476'	4 JSPP	44 holes
10/23/07	4238-4256'	4 JSPP	72 holes

NEWFIELD

LONE TREE FEDERAL 9-21-9-17

1809' ESL & 560' PHL

NE/SE Section 21-T9S-R17E

Duchesne Co, Utah

API #43-013-33286; Lease # UFU-13905

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 Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: LONE TREE FED 9-21-9-17	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013332860000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1809 FSL 0560 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE 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 checked="" 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 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. The subject well has been converted from a producing oil well to an injection well on 05/21/2012. On 05/22/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/29/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20853-09504			
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 04, 2012	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 5/30/2012	

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: 5, 29, 12
 Test conducted by: Cody Marx
 Others present: _____

Well Name: <u>Long Tree Federal 9-21-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NE/SE</u> Sec: <u>21</u> T <u>9</u> N <u>(S)</u> R <u>170</u> E/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: 1400 psig

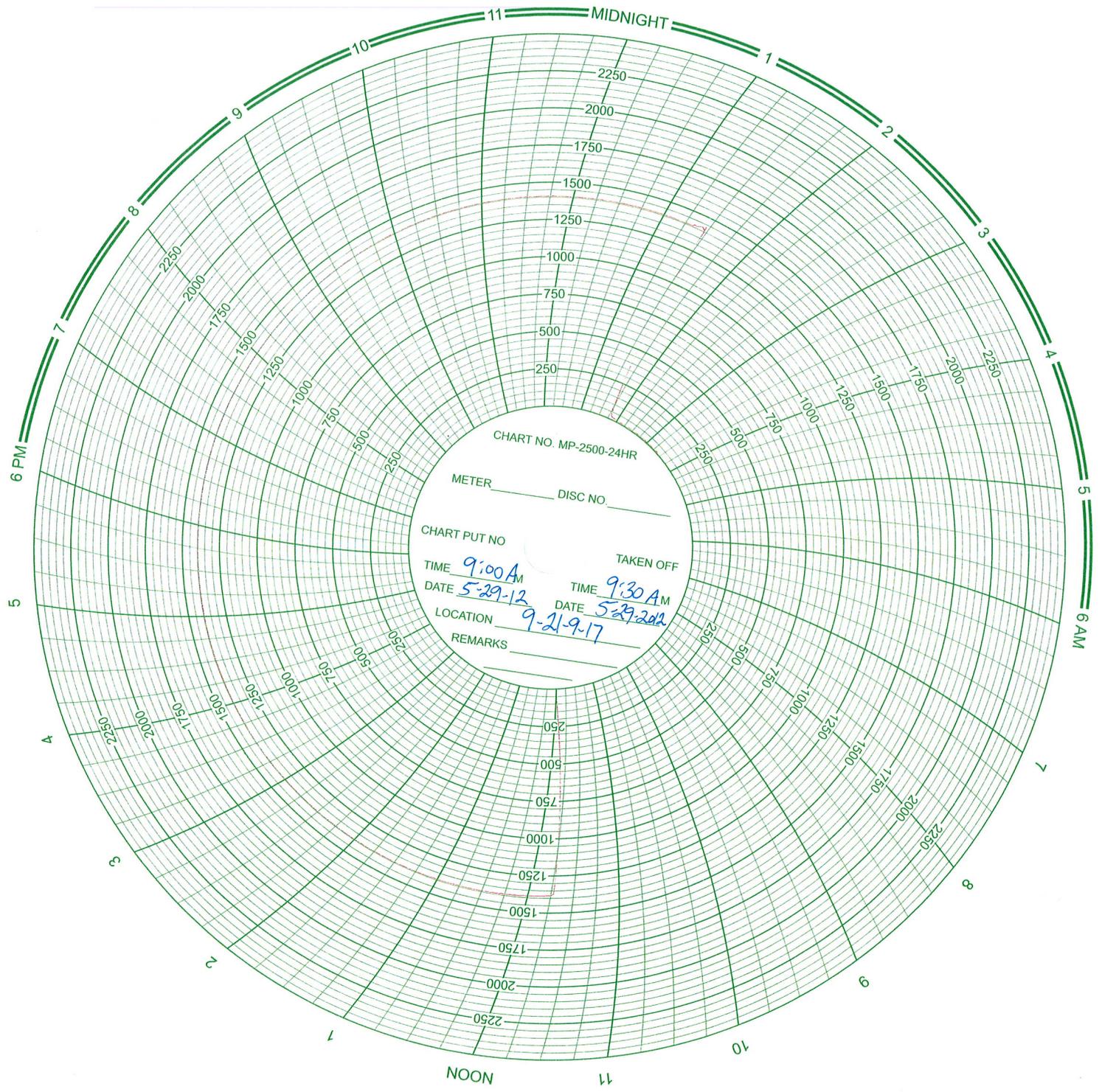
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>500</u> psig	psig	psig
End of test pressure	<u>500</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1400</u> psig	psig	psig
5 minutes	<u>1400</u> psig	psig	psig
10 minutes	<u>1400</u> psig	psig	psig
15 minutes	<u>1400</u> psig	psig	psig
20 minutes	<u>1400</u> psig	psig	psig
25 minutes	<u>1400</u> psig	psig	psig
30 minutes	<u>1400</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 9-21-9-17
3/1/2012 To 7/30/2012

5/16/2012 Day: 1

Conversion

NC #2 on 5/16/2012 - MIRUSU, L/D Rods On A Float - Move From LTF 11-22-9-17 To The LTF 9-21-9-17, MIRUSU, R/D Pmp Unit, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, Unseat Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Took Bbls Wtr To Fill & Test, POOH & L/D 1- 2' x 3/4" Pony Sub, 1 1/2" x 26' Polished Rod, 1- 8' x 3/4" Pony Subs, 99- 3/4" Guided Rods, 76- 3/4" Plain Rods, 20- 3/4" Pony Subs, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, Pmp Screen Was Covered In Scale, X - Over For Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$5,345

5/17/2012 Day: 2

Conversion

NC #2 on 5/17/2012 - POOH W/- Tbg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U Sandline, RIH & Tag Fill, Tag Fill @ 5554', No New Fill On PBTB, R/D Sandline, R/D Wellhead, R/U Weatherford BOPS, Release TA, POOH W/- 162- Jts Tbg, TA, 1- Jt Tbg, SN, 2- Jts Tbg, NC, Found Some Scale On Bttm 8 Jts Tbg, P/U & TIH W/- Bit & Scrapper, 165- Jts Tbg, POOH W/- 134- Jts Tbg Breaking & Dopeing Every Collar, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$13,178

5/18/2012 Day: 3

Conversion

NC #2 on 5/18/2012 - TIH W/- Tbg, Pressure Test Tbg & Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, L/D 32- Jts Tbg, P/U & TIH W/- Weatherford Arrowset Pkr, 134- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr For Pad, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Pressure Dropped 200 Psi In 30 Min, Bump Back Up, Pressure Dropped Off 85 Psi In 40 Min, Bump Back Up Again, Pressure Held Solid For 1 Hr, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Fill & Test Csg To 1,500 Psi, Pressure Dropped Off 175 Psi In 35 Min, Bump Back Up, Pressure Dropped Off 30 Psi In 45 Min, Bump Back Up, Let Test Over The Weekend, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$20,940

5/21/2012 Day: 4

Conversion

NC #2 on 5/21/2012 - Finish Pressure Testing CSg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Held Solid, Good Test, Well Ready For MIT.

Daily Cost: \$0

Cumulative Cost: \$115,215

5/29/2012 Day: 5

Conversion

Rigless on 5/29/2012 - Conduct initial MIT - On 05/22/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/29/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20853-09504 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$147,035

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>

JUN 27 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

JUL 11 2012

DIV. OF OIL, GAS & MINING

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

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

RE: Underground Injection Control (UIC)
Authorization to Commence Injection
EPA UIC Permit UT20853-09504
Well: Lone Tree Federal 9-21-9-17
NESE Sec. 21-T9S-R17E
Duchesne County, Utah
API No.: 43-013-33286

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) May 30, 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 UT20853-09504.

As of the date of this letter, Newfield is authorized to commence injection into the Lone Tree Federal 9-21-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,765 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

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

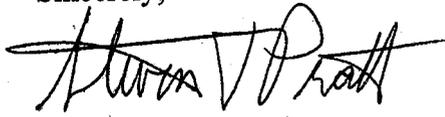
Ms. Sarah Roberts
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, Colorado 80202-1129

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

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20853-09504.

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

Sincerely,



for

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

cc: Uintah & Ouray Business Committee:

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

FOR RECORD ONLY
Utah Division of
Oil, Gas and Mining

Eric Sundberg, Regulatory Analyst
Newfield Production Company



Printed on Recycled Paper

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 9-21-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013332860000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1809 FSL 0560 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 21 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/20/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

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

The above reference well was put on injection at 3:30 PM on 09/20/2012. EPA # UT20853-09504

**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 9/21/2012	

LONE TREE FEDERAL 9-21-9-17

Spud Date: 09/25/07
 Put on Production: 10/29/07
 GL: 5286' KB: 5298'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.96')
 DEPTH LANDED: 324.81' 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. (5548.15')
 DEPTH LANDED: 5584.72' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 52'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 134 jts (4158.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4170.8' KB
 Packer CE @ 4176.74'
 TOTAL STRING LENGTH: EOT @ 4183.39' KB

FRAC JOB

10/23/07 5050-5956' **Frac CP1 sands as follows:**
 20285# 20/40 sand in 352 bbls Lightning 17 frac fluid. Treated @ avg press of 2794 psi w/avg rate of 23.1 BPM. ISIP 2360 psi. Calc flush: 5048 gal. Actual flush: 4578 gal.

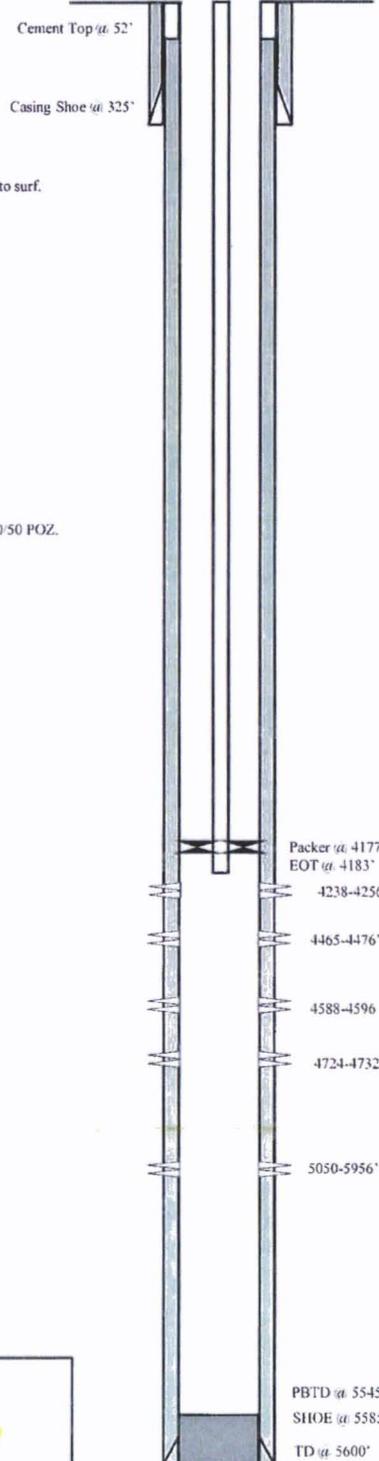
10/23/07 4724-4732' **Frac LODC sands as follows:**
 40083# 20/40 sand in 403 bbl Lightning 17 frac fluid. Treated @ avg press of 2333 psi w/avg rate of 23.1 BPM. ISIP 2500 psi. Calc flush: 4722 gal. Actual flush: 4242 gal.

10/23/07 4588-4596' **Frac A1 sands as follows:**
 30204# 20/40 sand in 378 bbls Lightning 17 frac fluid. Treated @ avg press of 1830 psi w/avg rate of 23.1 BPM. ISIP 1790 psi. Calc flush: 4586 gal. Actual flush: 4116 gal.

10/23/07 4465-4476' **Frac B2 sands as follows:**
 60087# 20/40 sand in 496 bbls Lightning 17 frac fluid. Treated @ avg press of 2678 psi w/avg rate of 23.1 BPM. ISIP 3460 psi. Calc flush: 4463 gal. Actual flush: 3990 gal.

10/23/07 4238-4256' **Frac D2 sands as follows:**
 65553# 20/40 sand in 528 bbls Lightning 17 frac fluid. Treated @ avg press of 2305 psi w/avg rate of 23.1 BPM. ISIP 2525 psi. Calc flush: 4236 gal. Actual flush: 4158 gal.

05/21/12 **Convert to Injection Well**
 05/29/12 **Conversion MIT Finalized - update tbg detail**



PERFORATION RECORD

Date	Interval	Tool	Holes
10/23/07	5050-5956'	4 JSPF	24 holes
10/23/07	4724-4732'	4 JSPF	32 holes
10/23/07	4588-4596'	4 JSPF	32 holes
10/23/07	4465-4476'	4 JSPF	44 holes
10/23/07	4238-4256'	4 JSPF	72 holes

NEWFIELD

LONE TREE FEDERAL 9-21-9-17

1809' FSL & 560' FEL
 NE SE Section 21-T9S-R17E
 Duchesne Co, Utah
 API #43-013-33286; Lease # UTU-13905