

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74805
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Lone Tree Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Lone Tree Federal Q-15-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33885
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SW 650' FSL 1960' FWL At proposed prod. zone 1324' FSL 1325' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 16.8 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 15, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1325' f/lse, 3955' f/unit	16. No. of Acres in lease 520.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1320'	19. Proposed Depth 5750'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5225' GL	22. Approximate date work will start* 1st Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/11/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-31-08
Title Office	ENVIRONMENTAL MANAGER	

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

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

Surf  
585813X  
4430869Y  
40.025566  
- 109.994349

BHL  
585616X  
4431074Y  
40.027437  
- 109.996635

Federal Approval of this  
Action is Necessary

RECEIVED

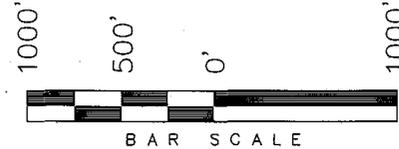
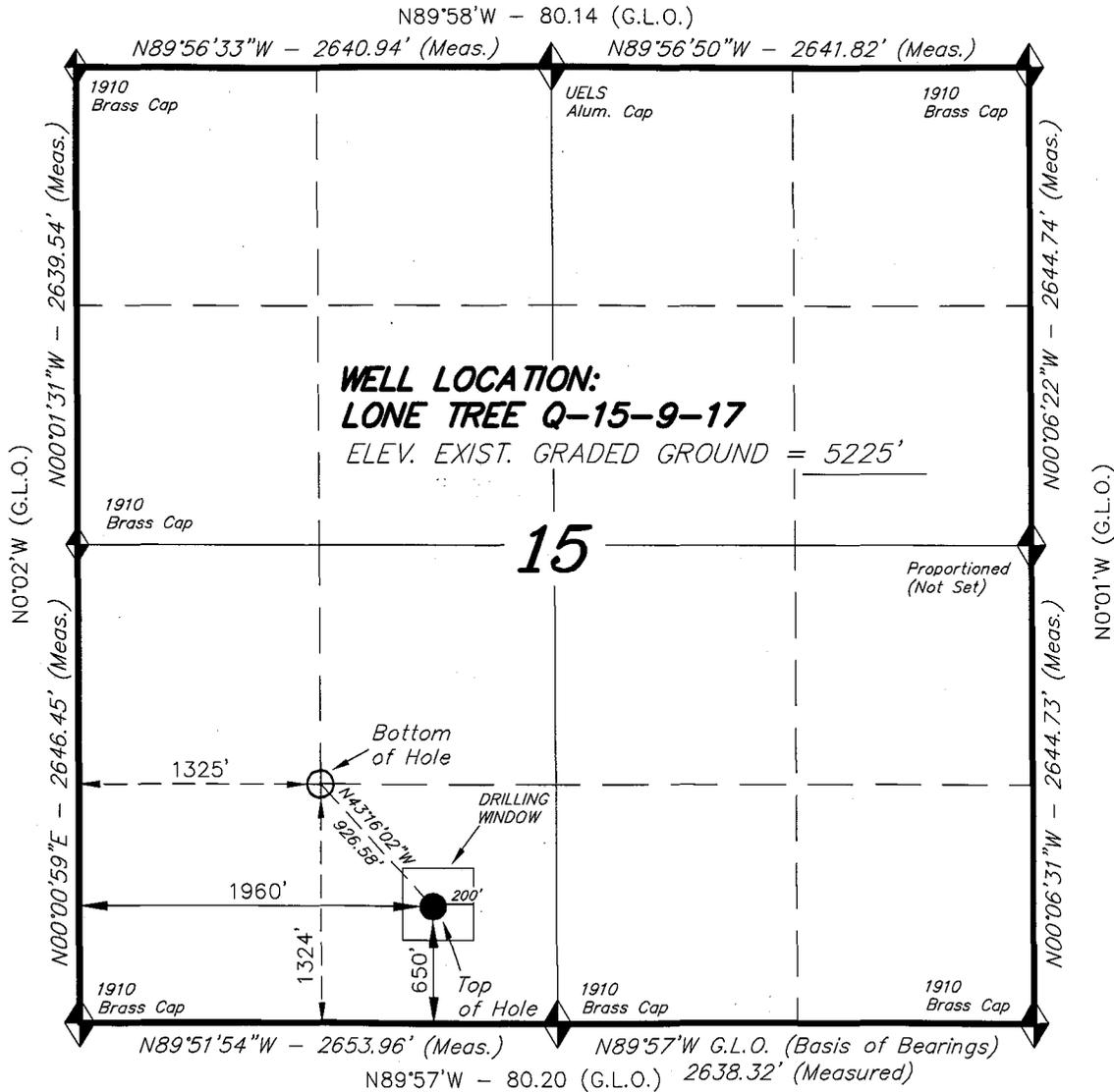
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DIV. OF OIL, GAS & MINING

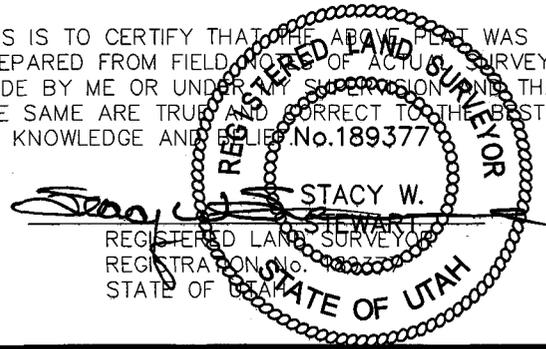
# T9S, R17E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, LONE TREE Q-15-9-17,  
 LOCATED AS SHOWN IN THE SE 1/4 SW  
 1/4 OF SECTION 15, T9S, R17E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

**LONE TREE Q-15-9-17**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 01' 31.69"  
 LONGITUDE = 109° 59' 42.62"

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

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

DATE SURVEYED: 08-20-07	SURVEYED BY: T.H.
DATE DRAWN: 09-11-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #Q-15-9-17  
AT SURFACE: SE/SW SECTION 15, 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' – 1760'
Green River	1760'
Wasatch	5750'

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

Green River Formation 1760' – 5750' - 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.



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Lone Tree Q-15-9-17  
Well: Lone Tree Q-15-9-17  
Wellbore: OH  
Design: Plan #1

**NEWFIELD**



**Newfield Exploration Co.**

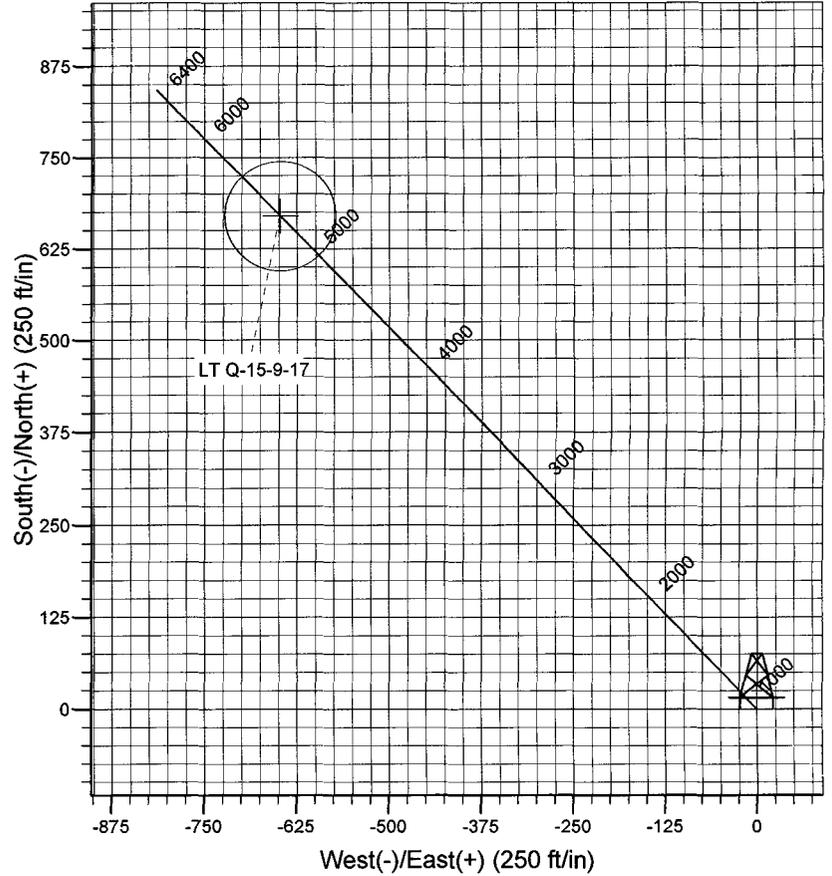
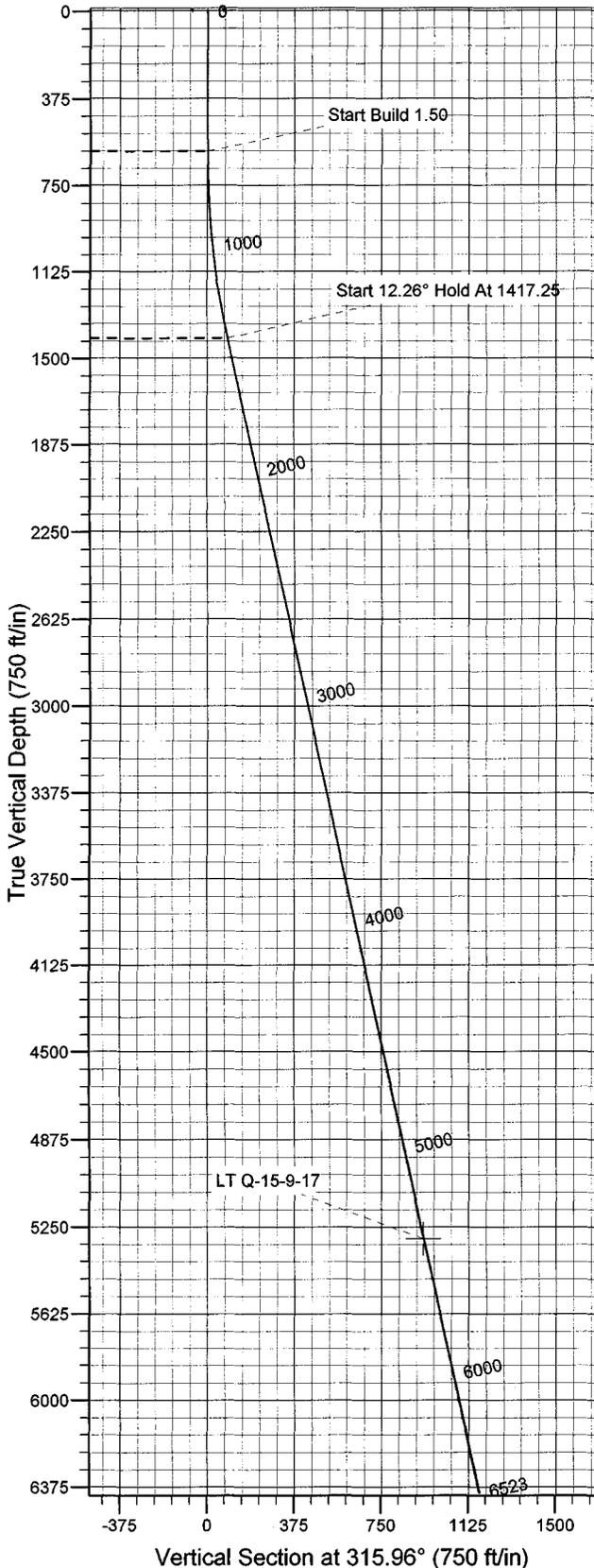
WELL DETAILS: Lone Tree Q-15-9-17

GL 5225' & RKB 12' @ 5237.00ft (NDSI 2) 5225.00  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 7181560.11 2061801.00 40° 1' 31.690 N 109° 59' 42.620 W



Azimuths to True North  
Magnetic North: 11.74°

Magnetic Field  
Strength: 52654.3snT  
Dip Angle: 65.89°  
Date: 2007-10-23  
Model: IGRF2005-10



FORMATION TOP DETAILS

Plan: Plan #1 (Lone Tree Q-15-9-17/OH)

Created By: Rex Hall Date: 2007-10-23

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: True

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1417.25	12.26	315.96	1411.03	62.61	-60.55	1.50	315.96	87.10	
4	5368.96	12.26	315.96	5300.00	670.00	-648.00	0.00	0.00	932.10	LT Q-15-9-17
5	6522.63	12.26	315.96	6400.00	841.81	-814.16	0.00	0.00	1171.11	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Lone Tree Q-15-9-17**

**Lone Tree Q-15-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**23 October, 2007**

# Scientific Drilling

## Planning Report

<b>Database:</b> EDM_OCT_1	<b>Local Co-ordinate Reference:</b> Well Lone Tree Q-15-9-17
<b>Company:</b> Newfield Exploration Co.	<b>TVD Reference:</b> GL 5225' & RKB 12' @ 5237.00ft (NDSI 2)
<b>Project:</b> Duchesne County, UT	<b>MD Reference:</b> GL 5225' & RKB 12' @ 5237.00ft (NDSI 2)
<b>Site:</b> Lone Tree Q-15-9-17	<b>North Reference:</b> True
<b>Well:</b> Lone Tree Q-15-9-17	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Wellbore:</b> OH	
<b>Design:</b> Plan #1	

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Lone Tree Q-15-9-17, Sec 15 T9S R17E				
<b>Site Position:</b>		<b>Northing:</b>	7,181,560.11 ft	<b>Latitude:</b>	40° 1' 31.690 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,061,801.00 ft	<b>Longitude:</b>	109° 59' 42.620 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.96 °

<b>Well</b>	Lone Tree Q-15-9-17, 650' FSL & 1960' FWL					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,181,560.11 ft	<b>Latitude:</b>	40° 1' 31.690 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,061,801.00 ft	<b>Longitude:</b>	109° 59' 42.620 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,225.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2007-10-23	11.74	65.89	52,654

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	315.96	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,417.25	12.26	315.96	1,411.03	62.61	-60.55	1.50	1.50	0.00	315.96	
5,396.96	12.26	315.96	5,300.00	670.00	-648.00	0.00	0.00	0.00	0.00	0.00 LT Q-15-9-17
6,522.63	12.26	315.96	6,400.00	841.81	-814.16	0.00	0.00	0.00	0.00	

# Scientific Drilling Planning Report

**Database:** EDM\_OCT\_1  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Lone Tree Q-15-9-17  
**Well:** Lone Tree Q-15-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Lone Tree Q-15-9-17  
**TVD Reference:** GL 5225' & RKB 12' @ 5237.00ft (NDSI 2)  
**MD Reference:** GL 5225' & RKB 12' @ 5237.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Start Build 1.50</b>										
700.00	1.50	315.96	699.99	0.94	-0.91	1.31	1.50	1.50	0.00	
800.00	3.00	315.96	799.91	3.76	-3.64	5.23	1.50	1.50	0.00	
900.00	4.50	315.96	899.69	8.46	-8.19	11.78	1.50	1.50	0.00	
1,000.00	6.00	315.96	999.27	15.04	-14.55	20.93	1.50	1.50	0.00	
1,100.00	7.50	315.96	1,098.58	23.49	-22.72	32.68	1.50	1.50	0.00	
1,200.00	9.00	315.96	1,197.54	33.80	-32.69	47.03	1.50	1.50	0.00	
1,300.00	10.50	315.96	1,296.09	45.98	-44.47	63.96	1.50	1.50	0.00	
1,400.00	12.00	315.96	1,394.17	60.00	-58.03	83.47	1.50	1.50	0.00	
1,417.25	12.26	315.96	1,411.03	62.61	-60.55	87.10	1.50	1.50	0.00	
<b>Start 12.26° Hold At 1417.25</b>										
1,500.00	12.26	315.96	1,491.90	75.23	-72.76	104.67	0.00	0.00	0.00	
1,600.00	12.26	315.96	1,589.62	90.50	-87.53	125.90	0.00	0.00	0.00	
1,700.00	12.26	315.96	1,687.34	105.76	-102.29	147.13	0.00	0.00	0.00	
1,800.00	12.26	315.96	1,785.06	121.02	-117.05	168.36	0.00	0.00	0.00	
1,900.00	12.26	315.96	1,882.78	136.28	-131.81	189.60	0.00	0.00	0.00	
2,000.00	12.26	315.96	1,980.50	151.55	-146.57	210.83	0.00	0.00	0.00	
2,100.00	12.26	315.96	2,078.22	166.81	-161.33	232.06	0.00	0.00	0.00	
2,200.00	12.26	315.96	2,175.94	182.07	-176.09	253.30	0.00	0.00	0.00	
2,300.00	12.26	315.96	2,273.66	197.33	-190.85	274.53	0.00	0.00	0.00	
2,400.00	12.26	315.96	2,371.38	212.60	-205.61	295.76	0.00	0.00	0.00	
2,500.01	12.26	315.96	2,469.10	227.86	-220.38	316.99	0.00	0.00	0.00	
2,600.01	12.26	315.96	2,566.82	243.12	-235.14	338.23	0.00	0.00	0.00	
2,700.01	12.26	315.96	2,664.54	258.38	-249.90	359.46	0.00	0.00	0.00	
2,800.01	12.26	315.96	2,762.26	273.65	-264.66	380.69	0.00	0.00	0.00	
2,900.01	12.26	315.96	2,859.98	288.91	-279.42	401.93	0.00	0.00	0.00	
3,000.01	12.26	315.96	2,957.70	304.17	-294.18	423.16	0.00	0.00	0.00	
3,100.01	12.26	315.96	3,055.42	319.43	-308.94	444.39	0.00	0.00	0.00	
3,200.01	12.26	315.96	3,153.14	334.70	-323.70	465.62	0.00	0.00	0.00	
3,300.01	12.26	315.96	3,250.86	349.96	-338.46	486.86	0.00	0.00	0.00	
3,400.01	12.26	315.96	3,348.58	365.22	-353.23	508.09	0.00	0.00	0.00	
3,500.01	12.26	315.96	3,446.30	380.48	-367.99	529.32	0.00	0.00	0.00	
3,600.01	12.26	315.96	3,544.02	395.75	-382.75	550.56	0.00	0.00	0.00	
3,700.01	12.26	315.96	3,641.74	411.01	-397.51	571.79	0.00	0.00	0.00	
3,800.01	12.26	315.96	3,739.46	426.27	-412.27	593.02	0.00	0.00	0.00	
3,900.01	12.26	315.96	3,837.18	441.53	-427.03	614.25	0.00	0.00	0.00	
4,000.01	12.26	315.96	3,934.90	456.80	-441.79	635.49	0.00	0.00	0.00	
4,100.01	12.26	315.96	4,032.62	472.06	-456.55	656.72	0.00	0.00	0.00	
4,200.01	12.26	315.96	4,130.34	487.32	-471.32	677.95	0.00	0.00	0.00	
4,300.01	12.26	315.96	4,228.06	502.58	-486.08	699.19	0.00	0.00	0.00	
4,400.01	12.26	315.96	4,325.78	517.84	-500.84	720.42	0.00	0.00	0.00	
4,500.01	12.26	315.96	4,423.50	533.11	-515.60	741.65	0.00	0.00	0.00	
4,600.01	12.26	315.96	4,521.22	548.37	-530.36	762.88	0.00	0.00	0.00	
4,700.01	12.26	315.96	4,618.94	563.63	-545.12	784.12	0.00	0.00	0.00	
4,800.01	12.26	315.96	4,716.66	578.89	-559.88	805.35	0.00	0.00	0.00	
4,900.01	12.26	315.96	4,814.38	594.16	-574.64	826.58	0.00	0.00	0.00	

# Scientific Drilling Planning Report

**Database:** EDM\_OCT\_1  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Lone Tree Q-15-9-17  
**Well:** Lone Tree Q-15-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Lone Tree Q-15-9-17  
**TVD Reference:** GL 5225' & RKB 12' @ 5237.00ft (NDSI 2)  
**MD Reference:** GL 5225' & RKB 12' @ 5237.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,000.01	12.26	315.96	4,912.10	609.42	-589.40	847.81	0.00	0.00	0.00
5,100.01	12.26	315.96	5,009.82	624.68	-604.17	869.05	0.00	0.00	0.00
5,200.01	12.26	315.96	5,107.54	639.94	-618.93	890.28	0.00	0.00	0.00
5,300.01	12.26	315.96	5,205.26	655.21	-633.69	911.51	0.00	0.00	0.00
5,396.96	12.26	315.96	5,300.00	670.00	-648.00	932.10	0.00	0.00	0.00
<b>LT Q-15-9-17</b>									
5,400.01	12.26	315.96	5,302.98	670.47	-648.45	932.75	0.00	0.00	0.00
5,500.01	12.26	315.96	5,400.70	685.73	-663.21	953.98	0.00	0.00	0.00
5,600.01	12.26	315.96	5,498.42	700.99	-677.97	975.21	0.00	0.00	0.00
5,700.01	12.26	315.96	5,596.14	716.26	-692.73	996.44	0.00	0.00	0.00
5,800.01	12.26	315.96	5,693.86	731.52	-707.49	1,017.68	0.00	0.00	0.00
5,900.01	12.26	315.96	5,791.58	746.78	-722.26	1,038.91	0.00	0.00	0.00
6,000.01	12.26	315.96	5,889.30	762.04	-737.02	1,060.14	0.00	0.00	0.00
6,100.01	12.26	315.96	5,987.02	777.31	-751.78	1,081.38	0.00	0.00	0.00
6,200.01	12.26	315.96	6,084.74	792.57	-766.54	1,102.61	0.00	0.00	0.00
6,300.01	12.26	315.96	6,182.46	807.83	-781.30	1,123.84	0.00	0.00	0.00
6,400.01	12.26	315.96	6,280.18	823.09	-796.06	1,145.07	0.00	0.00	0.00
6,500.01	12.26	315.96	6,377.90	838.36	-810.82	1,166.31	0.00	0.00	0.00
6,522.63	12.26	315.96	6,400.00	841.81	-814.16	1,171.11	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LT Q-15-9-17	0.00	0.00	5,300.00	670.00	-648.00	7,182,219.12	2,061,141.82	40° 1' 38.312 N	109° 59' 50.951 W
- hit/miss target									
- Shape									
- plan hits target									
- Circle (radius 75.00)									

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
600.00	600.00	0.00	0.00	Start Build 1.50
1,417.25	1,411.03	62.61	-60.55	Start 12.26° Hold At 1417.25

**NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #Q-15-9-17  
AT SURFACE: SE/SW SECTION 15, 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 #Q-15-9-17 located in the SE 1/4 SW 1/4 Section 15, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 1.4 miles  $\pm$  to its junction with an existing dirt road to the southwest; proceed southwesterly - 1.4 miles  $\pm$  to its junction with an existing dirt road to the southeast; proceed southeasterly - 1.3 miles  $\pm$  to its junction with an existing road to the east; proceed easterly - 1.3 miles  $\pm$  to its junction with the beginning of the access road to the existing NGC Federal 24-15H-9-17 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing NGC Federal 24-15H-9-17 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

The proposed well will be drilled directionally off of the NGC Federal 24-15H-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Lone Tree Federal Q-15-9-17. 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**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Lone Tree Federal Q-15-9-17 will be drilled off of the existing NGC Federal 24-15H-9-17 well pad. No additional surface disturbance will be required for this location.

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**

**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**

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

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and Feb. 1 of the following year. If the nest site becomes active prior to July 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 16 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)

Squirrell Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

**Details of the On-Site Inspection**

The proposed Lone Tree Federal Q-15-9-17 was on-sited on 11/20/07. The following were present; Dave Allred (Newfield Production), Michael Cutler (Bureau of Land Management), and Scott Ackerman (Bureau of Land Management).. Weather conditions were clear and ground cover was 100% open.

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

Representative

Name: Dave Allred  
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 #Q-15-9-17 SE/SW Section 15, Township 9S, Range 17E: Lease UTU-74805 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, Federal Bond #WYB000493.

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.

12/11/07

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

LONE TREE Q-15-9-17 (Proposed Well)

LONE TREE 24-15H-9-17 (Existing Well)

Pad Location: SESW Section 15, T9S, R17E, S.L.B.&M.

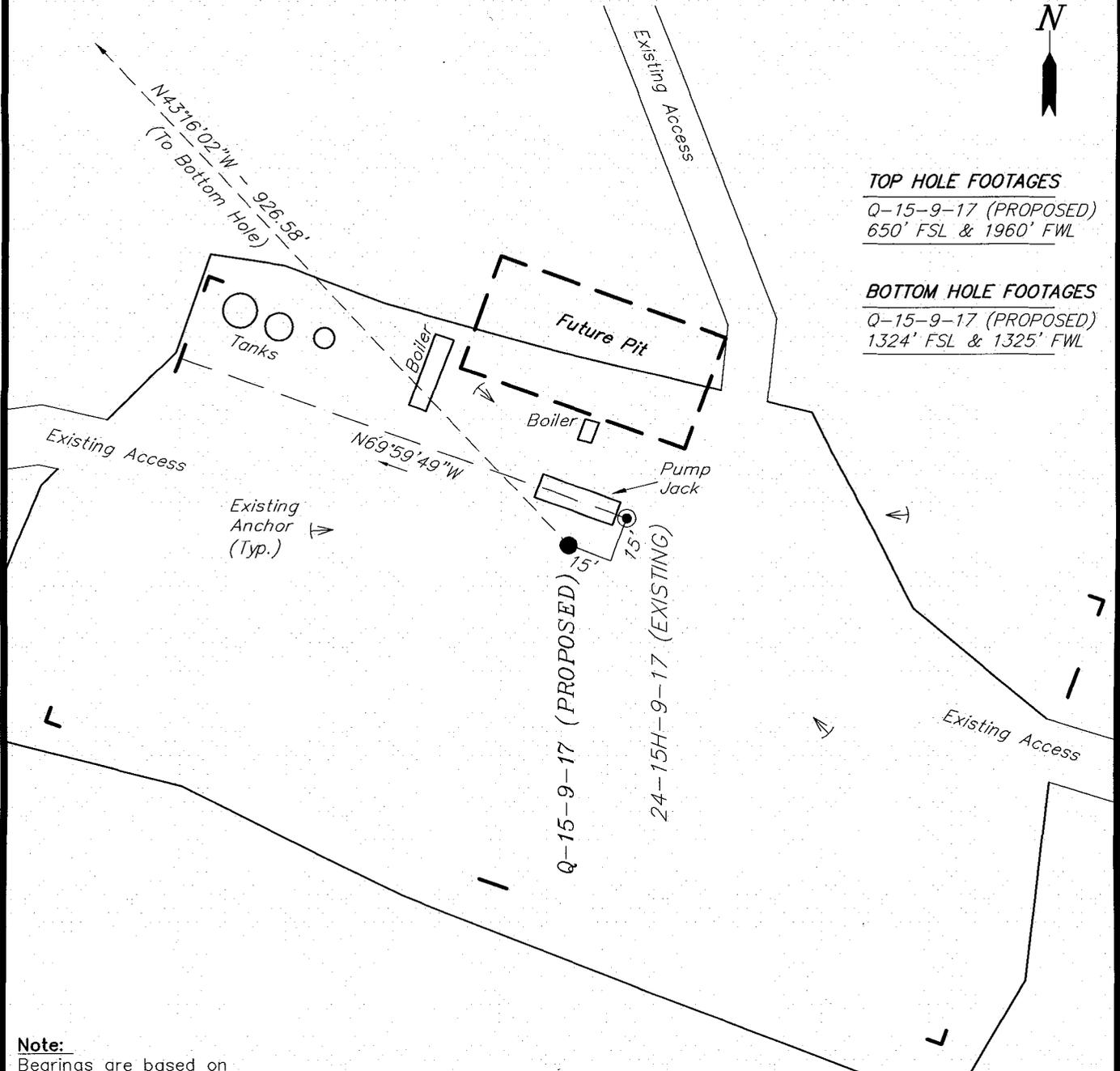


### TOP HOLE FOOTAGES

Q-15-9-17 (PROPOSED)  
650' FSL & 1960' FWL

### BOTTOM HOLE FOOTAGES

Q-15-9-17 (PROPOSED)  
1324' FSL & 1325' FWL



**Note:**  
Bearings are based on  
G.P.S. observations.

RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
Q-15-9-17	675'	-635'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
Q-15-9-17	40° 01' 31.69"	109° 59' 42.62"
24-15H-9-17	40° 01' 31.78"	109° 59' 42.37"

SURVEYED BY: T.H.	DATE SURVEYED: 08-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-07
SCALE: 1" = 50'	REVISED:

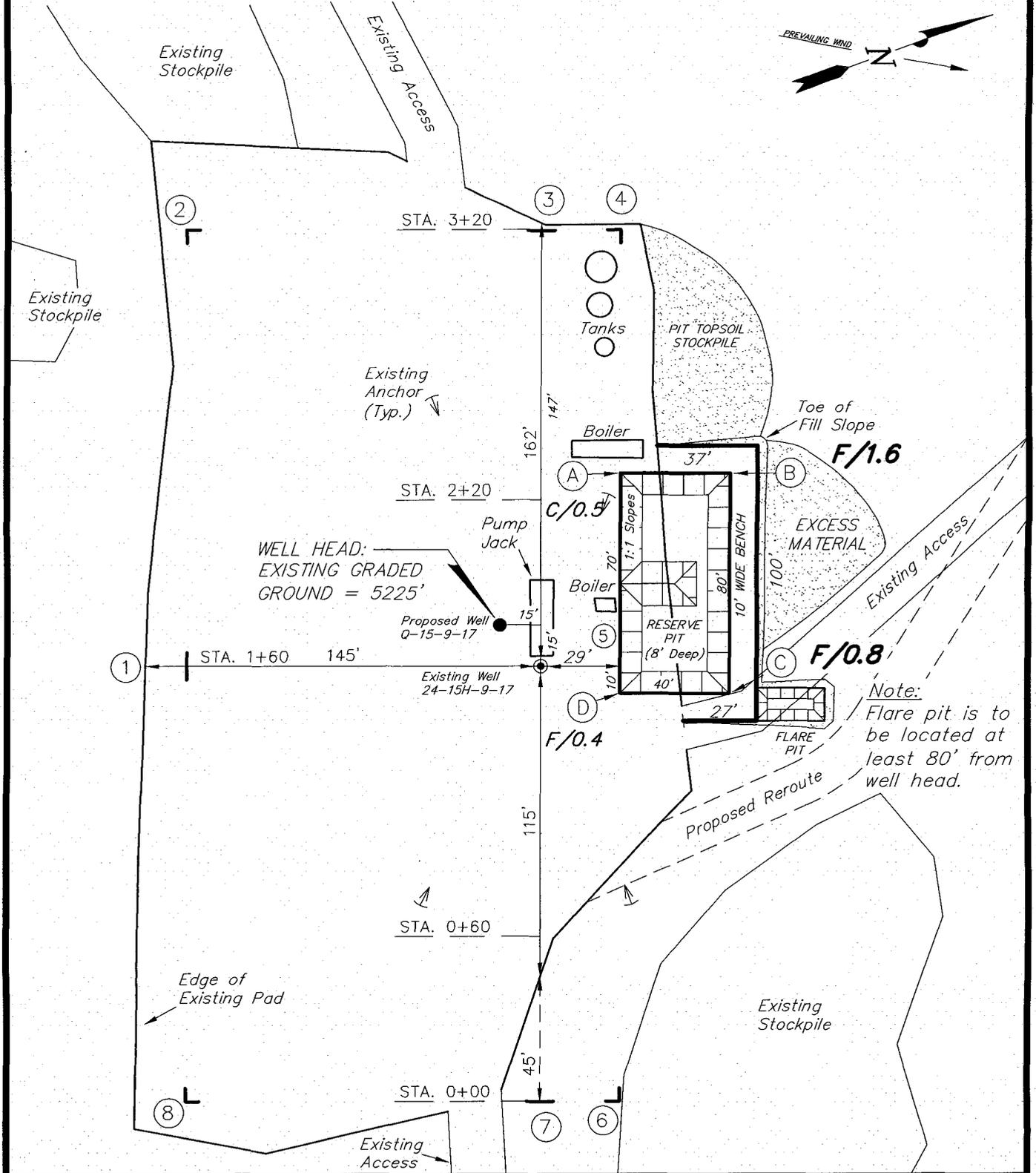
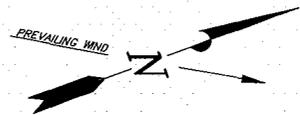
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

LONE TREE Q-15-9-17 (Proposed Well)

LONE TREE 24-15H-9-17 (Existing Well)

Pad Location: SESW Section 15, T9S, R17E, S.L.B.&M.



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

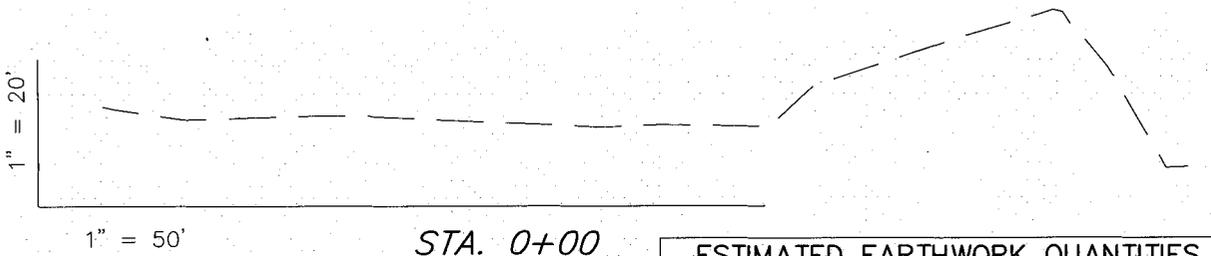
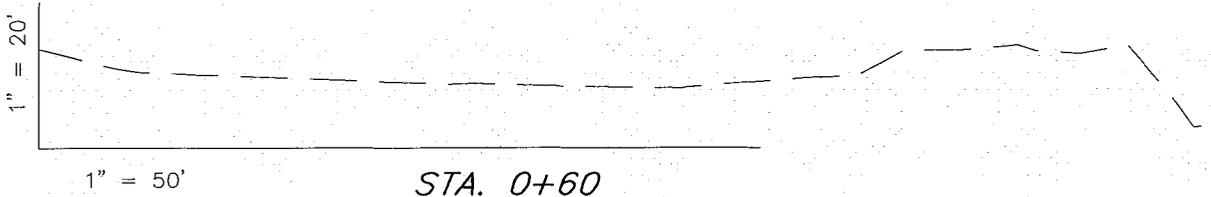
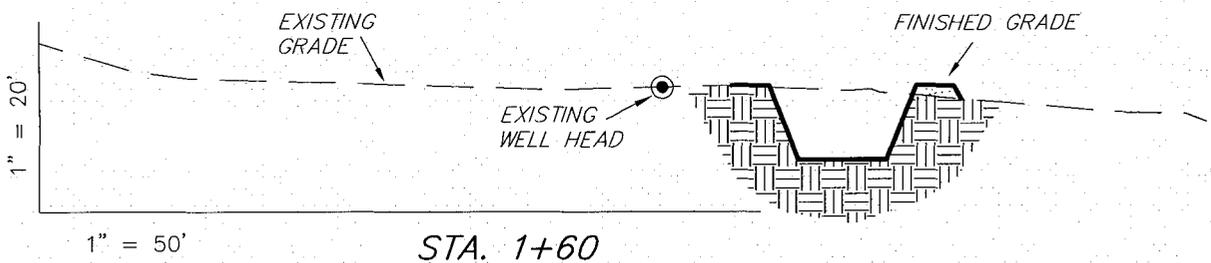
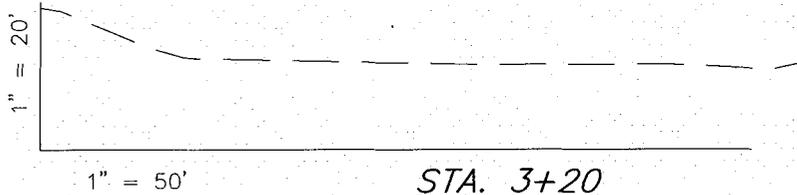
SURVEYED BY: T.H.	DATE SURVEYED: 08-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-07
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

LONE TREE Q-15-9-17 (Proposed Well)  
 LONE TREE 24-15H-9-17 (Existing Well)



NOTE:  
 UNLESS OTHERWISE NOTED  
 CUT SLOPES ARE AT 1:1  
 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	0	110	Topsoil is not included in Pad Cut	-110
PIT	570	0		570
TOTALS	570	110	130	460

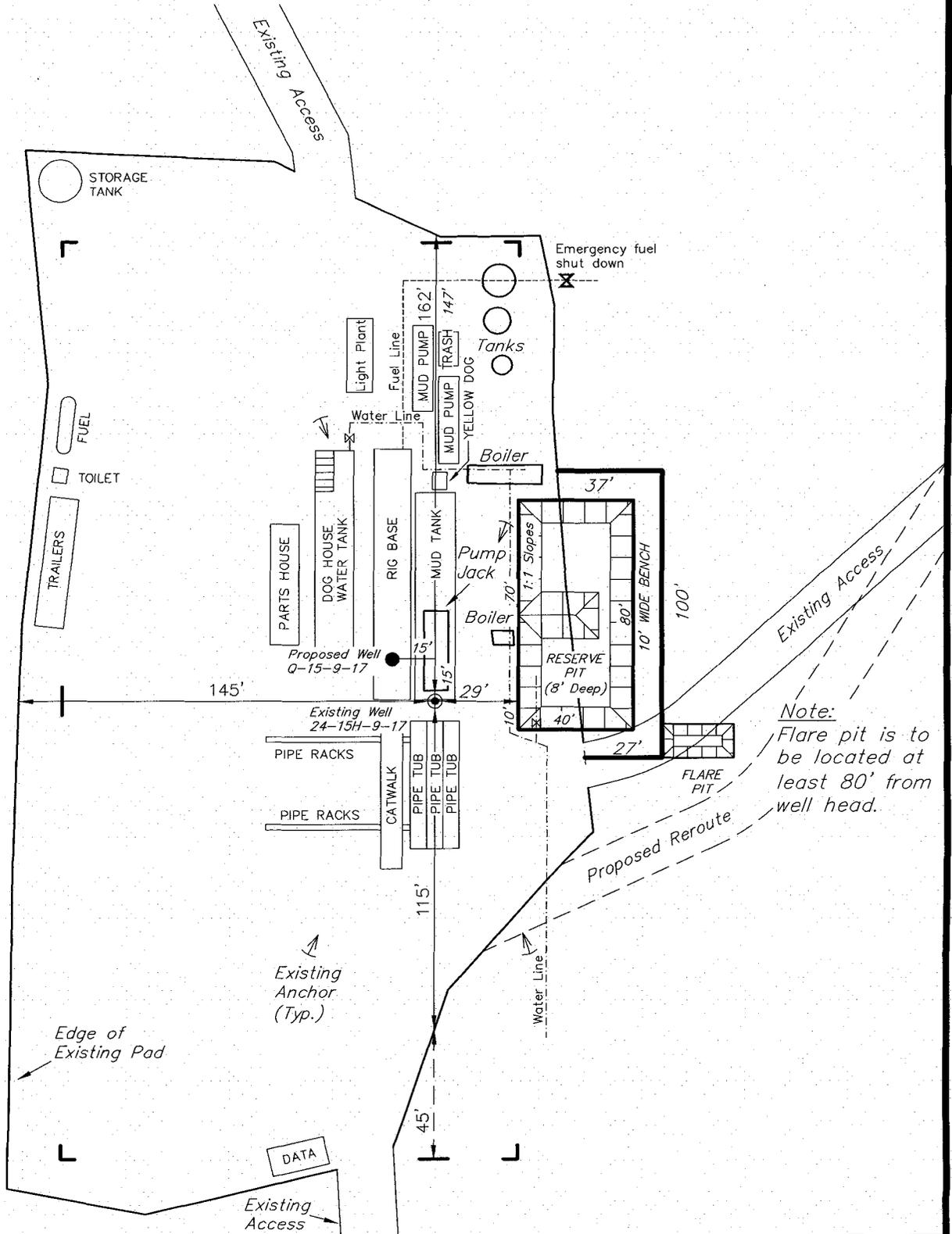
SURVEYED BY: T.H.	DATE SURVEYED: 08-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-07
SCALE: 1" = 50'	REVISED:

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
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# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

LONE TREE Q-15-9-17 (Proposed Well)  
 LONE TREE 24-15H-9-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-07
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Company Proposed Site Facility Diagram

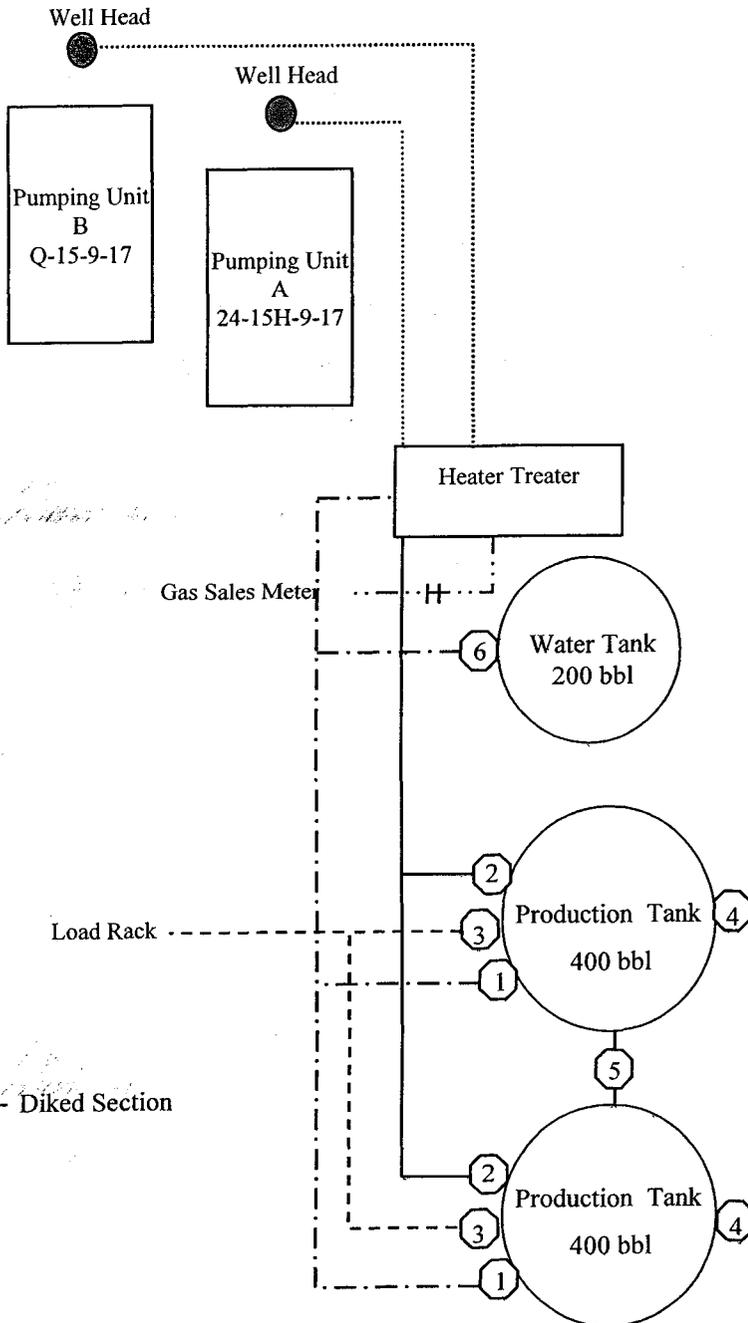
Lone Tree Federal Q-15-9-17

From the 24-15H-9-17 Location

SE/SW Sec. 15 T9S, R17E

Duchesne County, Utah

UTU-74805



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

### Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

### Sales Phase:

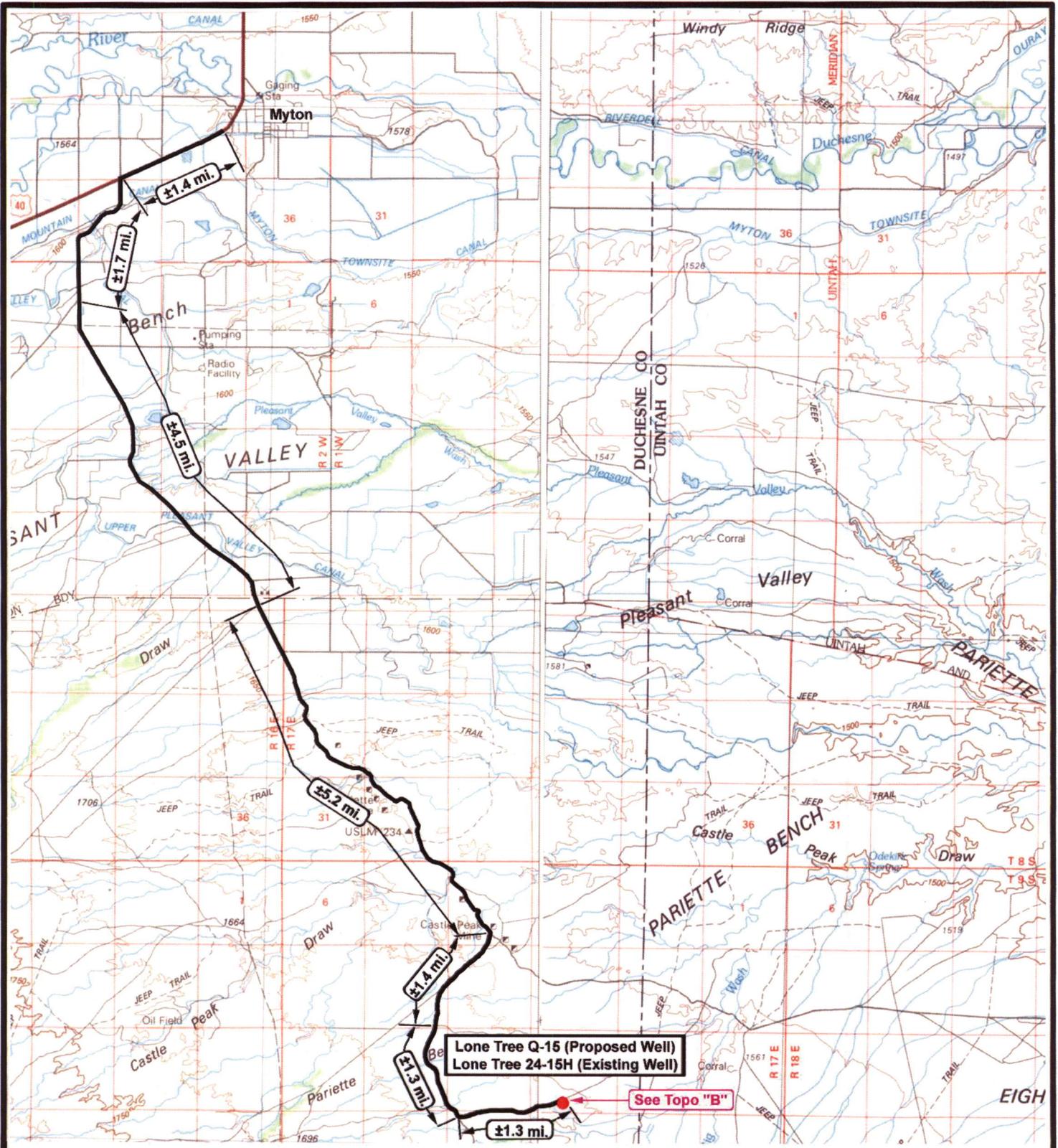
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

### Draining Phase:

- 1) Valves 1 and 6 open

### Legend

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



**NEWFIELD**  
Exploration Company

**Lone Tree Q-15-9-17 (Proposed Well)**  
**Lone Tree 24-15H-9-17 (Existing Well)**  
Pad Location SESW SEC. 15, T9S, R17E, S.L.B.&M.



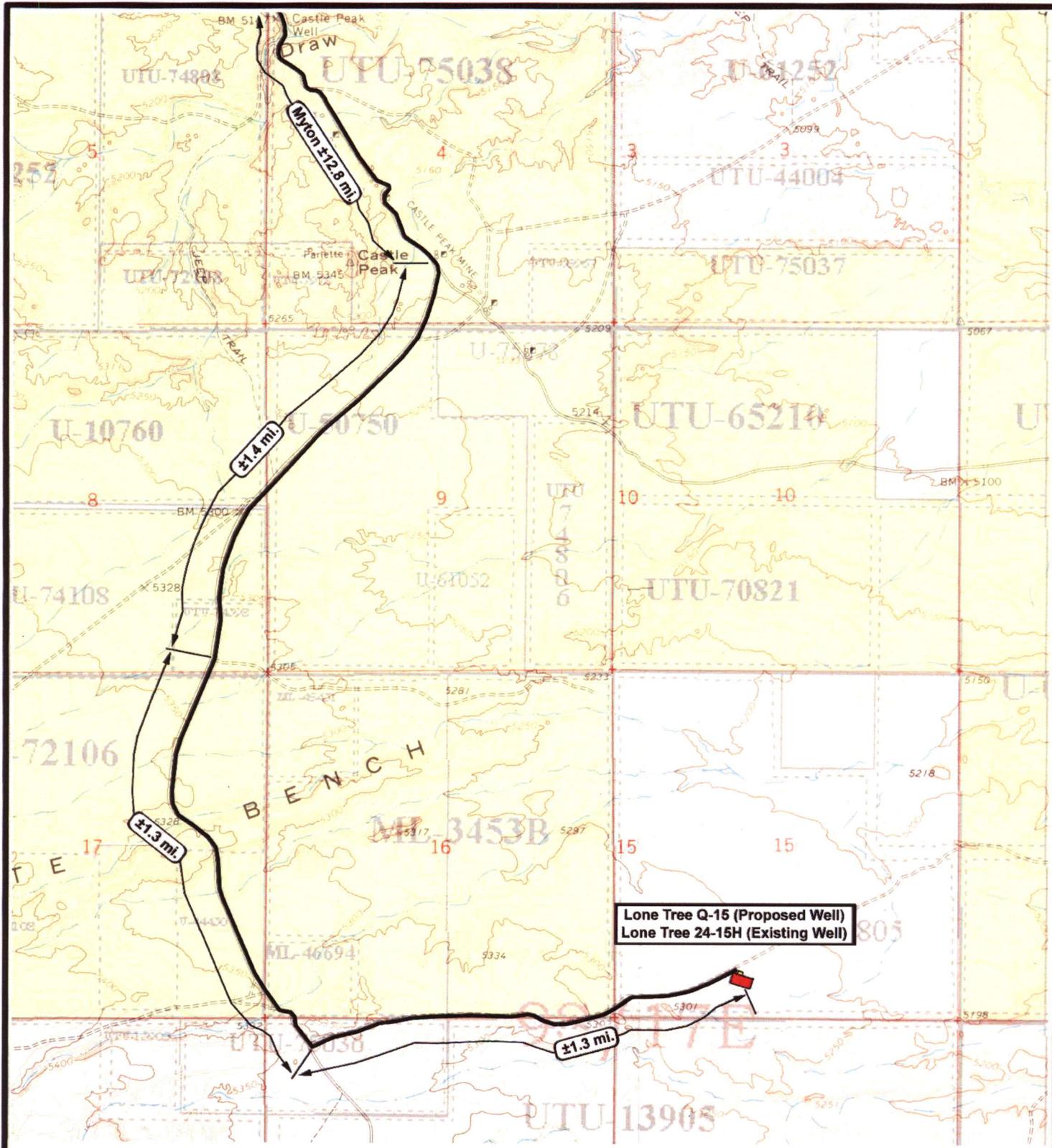
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: nc  
DATE: 09-18-2007

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**



Lone Tree Q-15 (Proposed Well)  
 Lone Tree 24-15H (Existing Well)

**NEWFIELD**  
 Exploration Company

**Lone Tree Q-15-9-17 (Proposed Well)**  
**Lone Tree 24-15H-9-17 (Existing Well)**  
 Pad Location SESW SEC. 15, T9S, R17E, S.L.B.&M.



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

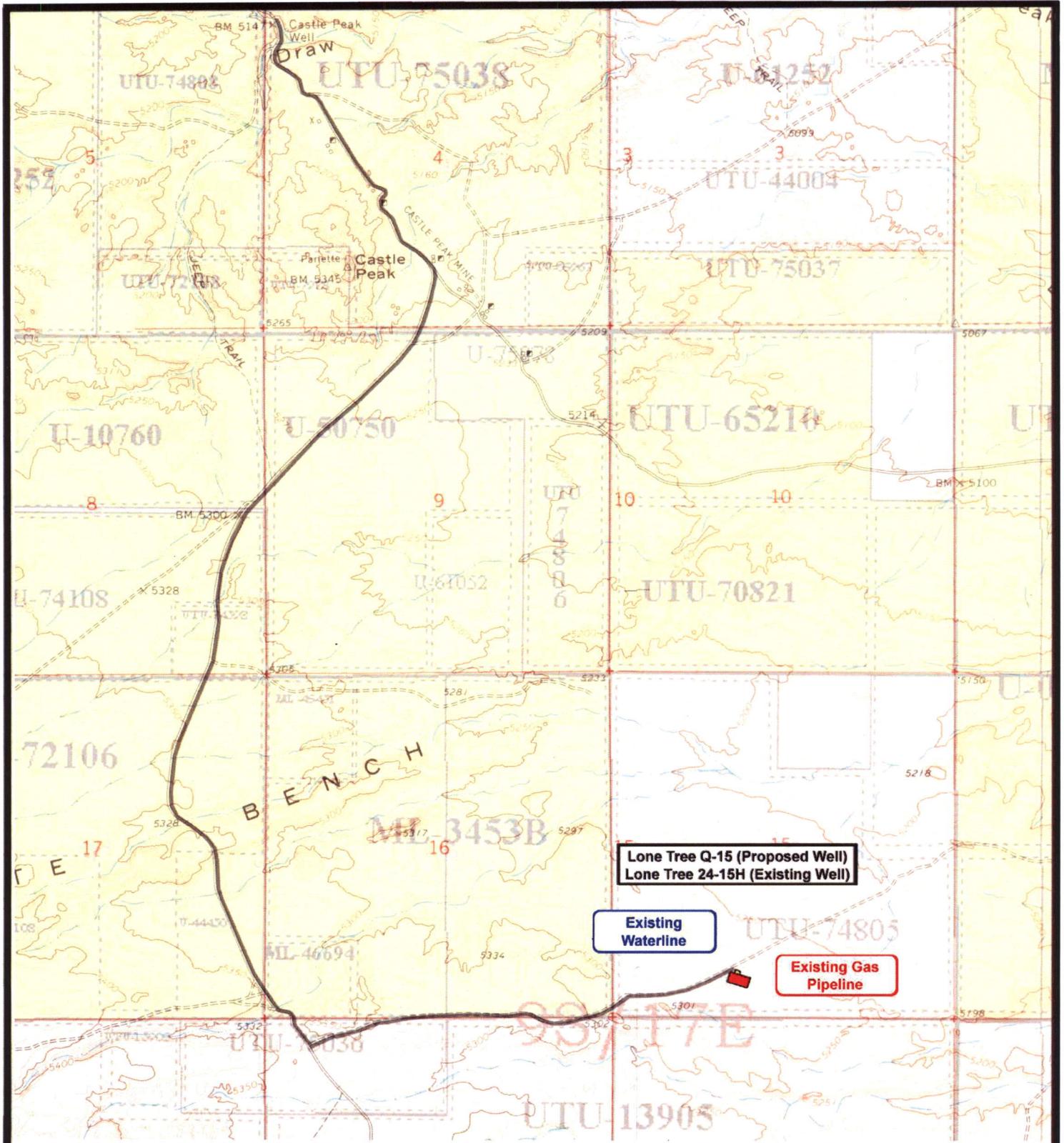
SCALE: 1" = 2000'  
 DRAWN BY: nc  
 DATE: 09-18-2007

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"B"**



Lone Tree Q-15 (Proposed Well)  
 Lone Tree 24-15H (Existing Well)

Existing  
 Waterline

Existing Gas  
 Pipeline



**NEWFIELD**  
 Exploration Company

**Lone Tree Q-15-9-17 (Proposed Well)**  
**Lone Tree 24-15H-9-17 (Existing Well)**  
 Pad Location SESW SEC. 15, T9S, R17E, S.L.B.&M.




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

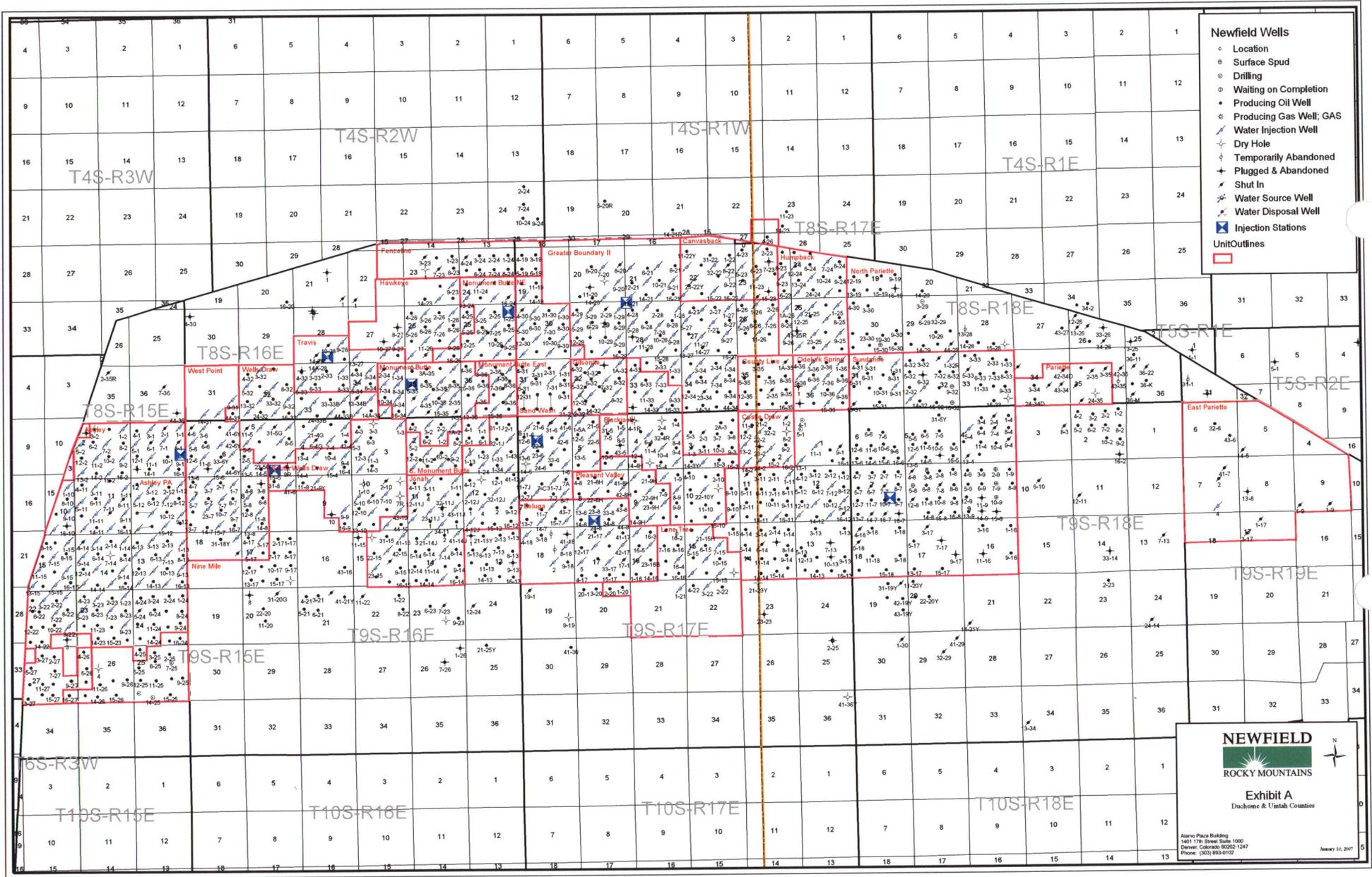
SCALE: 1" = 2,000'  
 DRAWN BY: nrc  
 DATE: 09-18-2007

**Legend**

— Roads

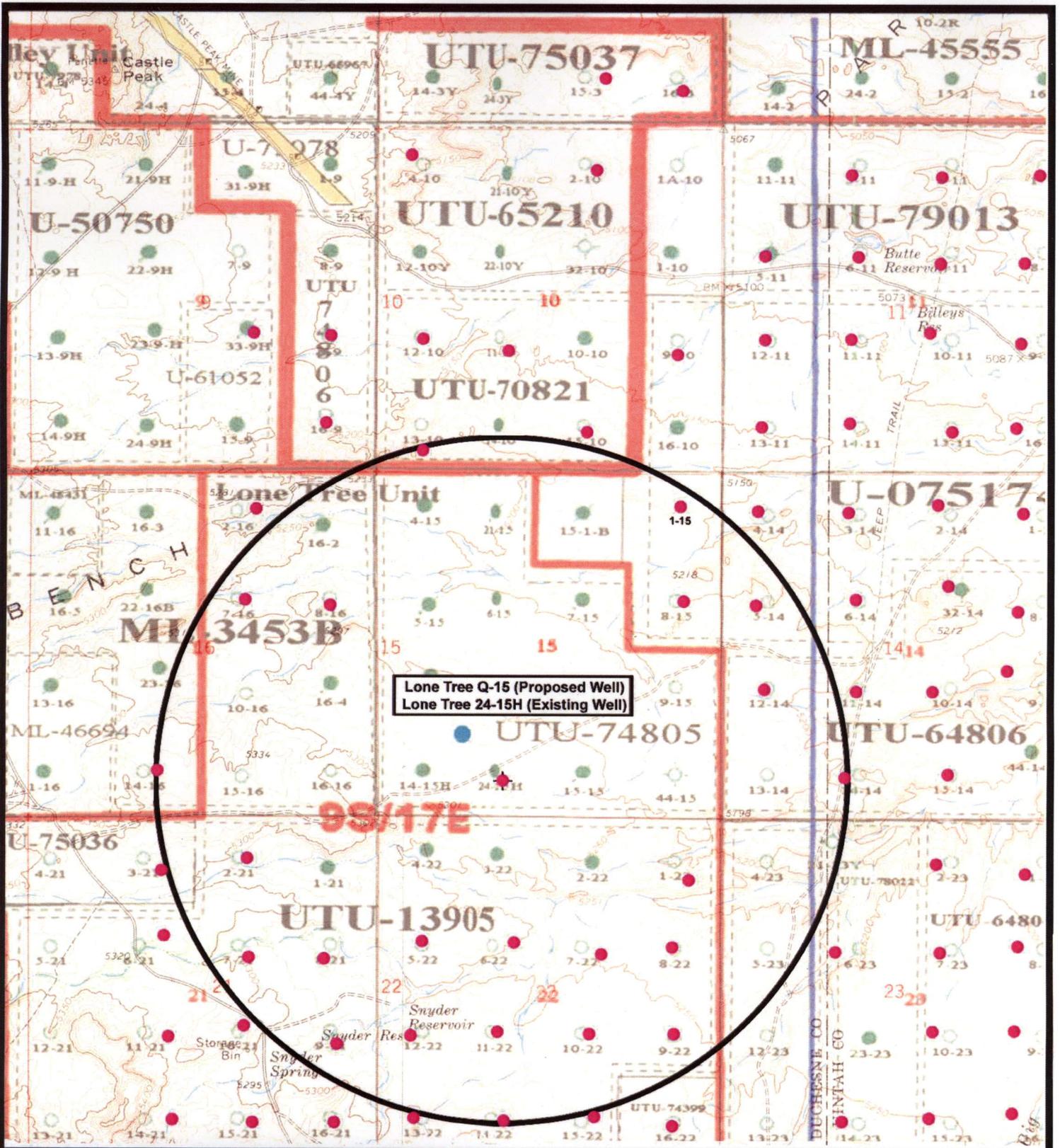
TOPOGRAPHIC MAP

**"C"**



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





Lone Tree Q-15 (Proposed Well)  
 Lone Tree 24-15H (Existing Well)

**NEWFIELD**  
 Exploration Company

**Lone Tree Q-15-9-17 (Proposed Well)**  
**Lone Tree 24-15H-9-17 (Existing Well)**  
 Pad Location SESW SEC. 15, T9S, R17E, S.L.B.&M.

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

SCALE: 1" = 2000'  
 DRAWN BY: nc  
 DATE: 09-18-2007

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

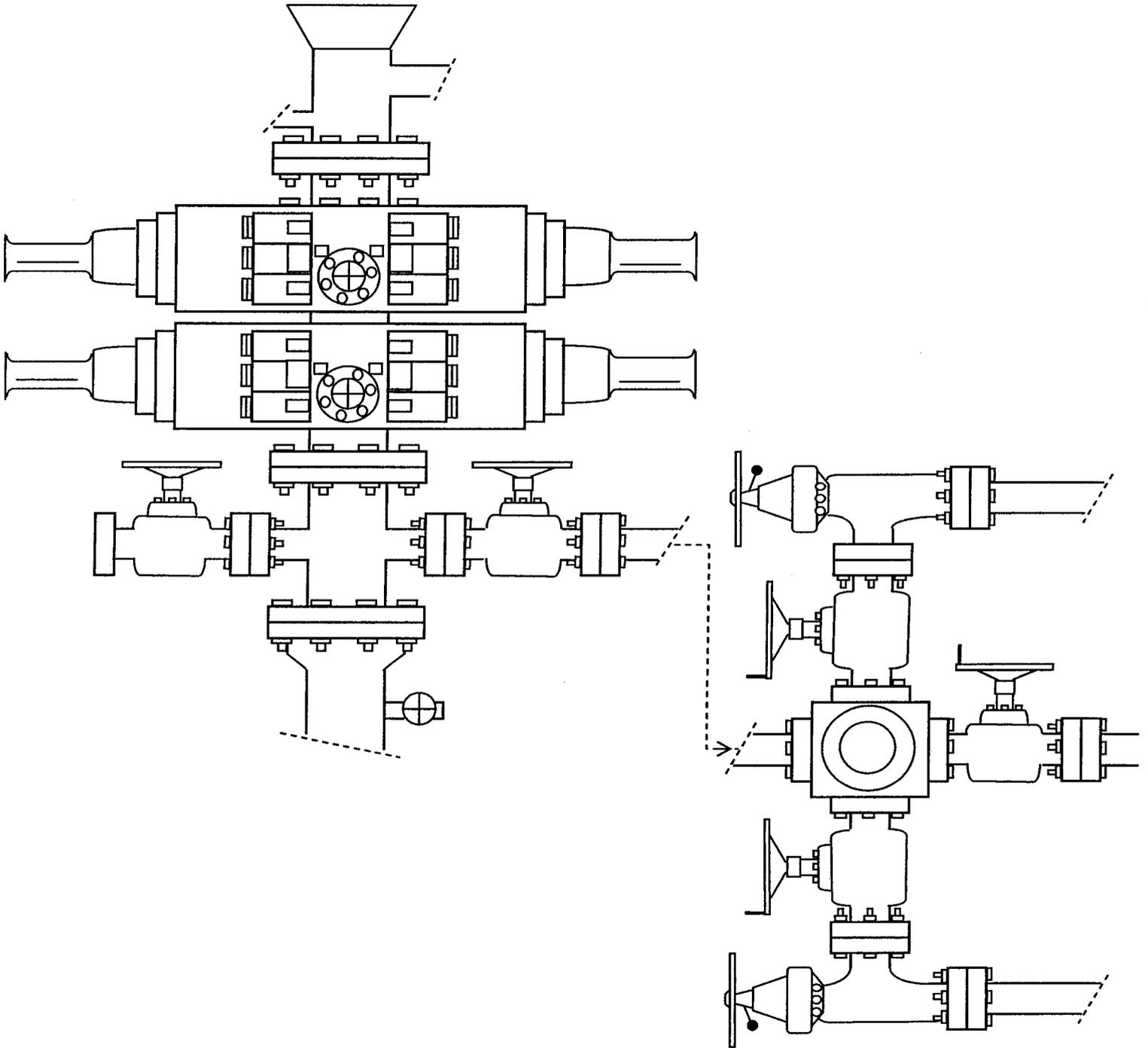


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/14/2008

API NO. ASSIGNED: 43-013-33885

WELL NAME: LONE TREE FED Q-15-9-17  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESW 15 090S 170E  
 SURFACE: 0650 FSL 1960 FWL  
 BOTTOM: 1324 FSL 1325 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.02557 LONGITUDE: -109.9944  
 UTM SURF EASTINGS: 585813 NORTHINGS: 4430869  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-74805  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10136 )
- N RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- NA Fee Surf Agreement (Y/N)
- NA Intent to Commingle (Y/N)

LOCATION AND SITING:

- \_\_\_\_\_ R649-2-3.
- Unit: LONE TREE (GRRV)
- \_\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_\_\_ R649-3-3. Exception
- Drilling Unit  
Board Cause No: 228.5  
Eff Date: 8-26-1998  
Siting: Suspend General Siting
- R649-3-11. Directional Drill

COMMENTS: See Separate Files

STIPULATIONS: 1- Federal Approval

GC FED  
4-9-H

BLACKJACK FED  
13-10-9-17

S PLEASANT VALLEY  
FED 4-15-9-17

FED NGC  
24-15 Δ

FEDERAL  
15-1-B ●

FEDERAL  
1-15-9-17 ●

FEDERAL  
4-14-9-17 ●

STATE 16-2

(GR)

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

CAUSE: 228-5 / 8-26-1998

LONE TREE U  
9-17\*

S PLEASANT  
VALLEY 5-15-9-17  
Δ  
NGC 12-15-H

S PLEASANT  
VALLEY FED  
6-15-9-17 ●

S PLEASANT Δ  
VALLEY FED 7-15-9-17

FEDERAL  
8-15-9-17 ⊕

FEDERAL  
5-14-9-17 ●

MORGENSON  
6-4 Δ

FEDERAL  
13-15H ●

S PLEASANT Δ  
VALLEY 11-15-9-17

S PLEASANT ●  
VALLEY FED 10-15-9-17

SPV FEDERAL  
9-15-9-17 \

BHL  
Q-15-9-17 ⊕

FEDERAL  
14-15H Δ

LONE TREE  
FED Q-15-9-17  
NGC 24-15H  
FED

S PLEASANT  
VALLEY 15-15-9-17  
Δ

NGC 44-15-H  
◇

S PLEASANT ●  
VALLEY FED 4-22

S PLEASANT Δ  
VALLEY FED 3-22-9-17

S PLEASANT ●  
VALLEY FED 2-22-9-17

LONE TREE  
FED 1-22-9-17  
⊕

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 15 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-5 / 8-26-1998

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

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

**Wells Status**

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



PREPARED BY: DIANA MASON  
DATE: 18-JANUARY-2008

# 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)

January 18, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 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 well is planned for calendar year 2008 within the Lone Tree Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
	(Proposed PZ Green River)	
43-013-33885	Lone Tree Fed	Q-15-9-17 Sec 15 T09S R17E 0650 FSL 1960 FWL BHL Sec 15 T09S R17E 1324 FSL 1325 FWL

We have no objections to permitting the well 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

MCoulthard:mc:1-18-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

January 31, 2008

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

Re: Lone Tree Federal Q-15-9-17 Well, Surface Location 650' FSL, 1960' FWL, SE SW, Sec. 15, T. 9 South, R. 17 East, Bottom Location 1324' FSL, 1325' FWL, SE SW, Sec. 15, 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 43-013-33885.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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



Operator: Newfield Production Company  
Well Name & Number Lone Tree Federal Q-15-9-17  
API Number: 43-013-33885  
Lease: UTU-74805

Surface Location: SE SW      Sec. 15      T. 9 South      R. 17 East  
Bottom Location: SE SW      Sec. 15      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 Dustin Doucet at (801) 538-5281    (801) 733-0983 home

#### 3. Reporting Requirements

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

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



January 25, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Lone Tree Federal Q-15-9-17**  
Lone Tree Unit  
UTU-77236X  
Surface Hole: T9S R17E, Section 15: SE/4SW/4  
650' FSL 1960' FWL  
Bottom Hole: T9S R17E, Section 15:  
1324' FSL 1325' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated December 11, 2007, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Lone Tree Federal Unit UTU-77236X. Newfield certifies that it is the Lone Tree Unit Operator and all lands within 460 feet of the entire directional well bore are within the Lone Tree Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED

JAN 31 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

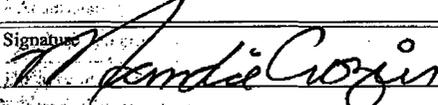
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74805
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Lone Tree Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Lone Tree Federal Q-15-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SW 650' FSL 1960' FWL At proposed prod. zone 1324' FSL 1325' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 16.8 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 15, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1325' f/lse, 3955' f/unit	16. No. of Acres in lease 520.00	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1320'	17. Spacing Unit dedicated to this well 20 Acres	13. State UT
19. Proposed Depth 5750'	20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5225' GL	22. Approximate date work will start* 1st Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/11/07
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

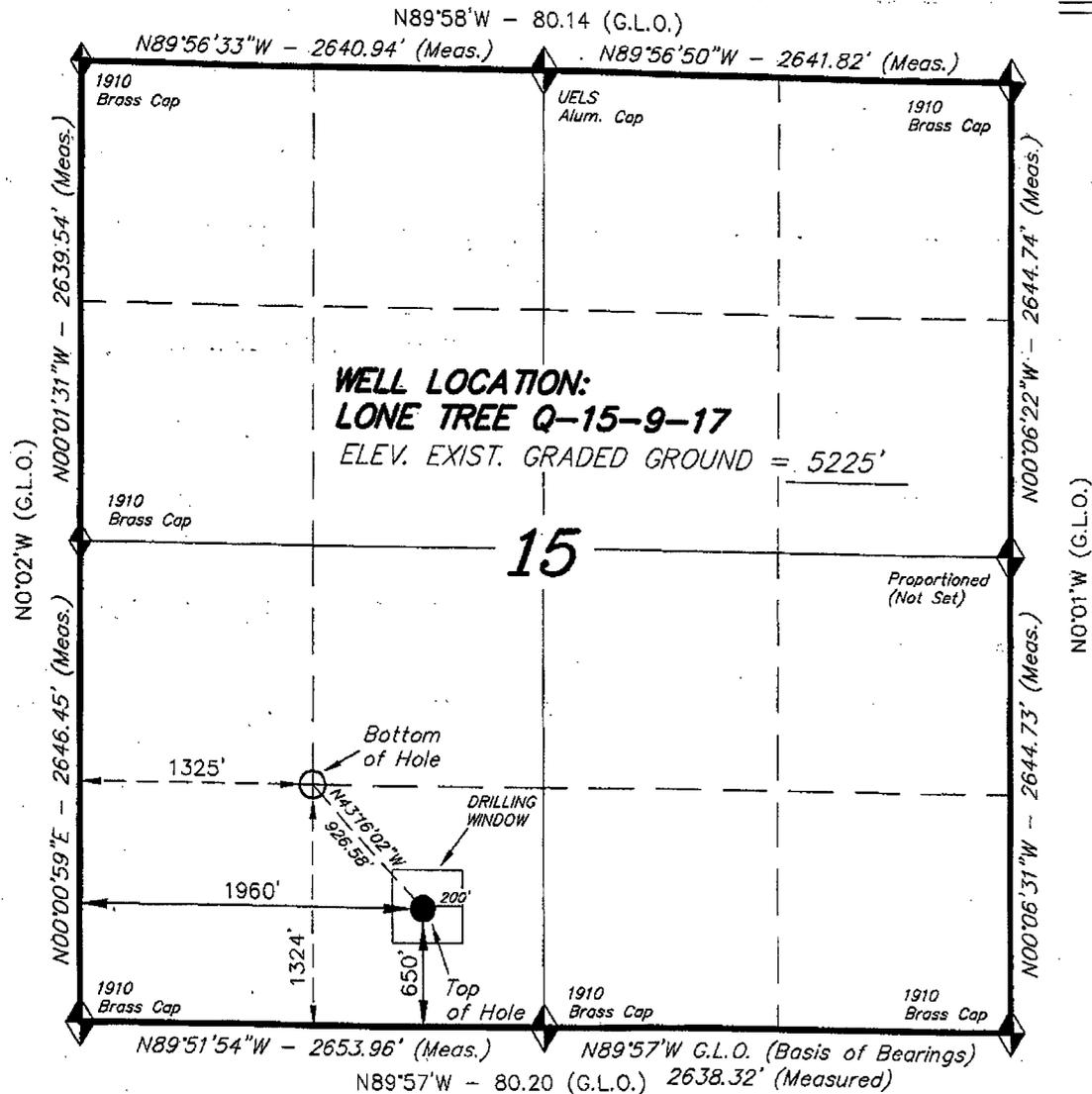
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

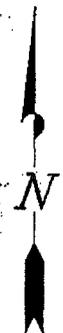
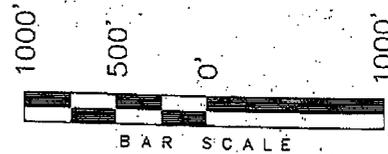
RECEIVED  
JAN 31 2008  
DIV. OF OIL, GAS & MINING

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

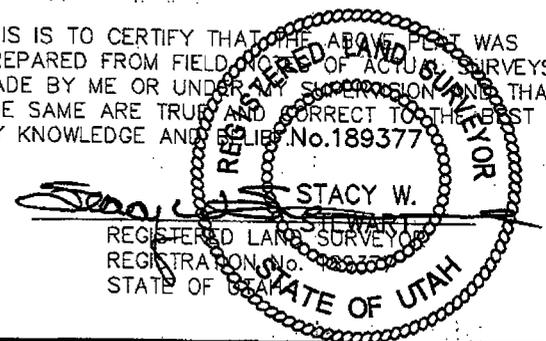
## NEWFIELD PRODUCTION COMPANY



WELL LOCATION, LONE TREE Q-15-9-17,  
LOCATED AS SHOWN IN THE SE 1/4 SW  
1/4 OF SECTION 15, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

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

**LONE TREE Q-15-9-17**  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 31.69"  
LONGITUDE = 109° 59' 42.62"

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

DATE SURVEYED: 08-20-07	SURVEYED BY: T.H.
DATE DRAWN: 09-11-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74805
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Lone Tree Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Lone Tree Federal Q-15-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43013-33885
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SW 650' FSL 1960' FWL At proposed prod. zone 1320' FSL 1312' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 16.8 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 15, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1312' f/lse, 3968' f/unit	16. No. of Acres in lease 520.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1320'	19. Proposed Depth 5750'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5225' GL	22. Approximate date work will start* 1st Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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|---|--|
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| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/11/07
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

\*(Instructions on reverse)

COPY SENT TO OPERATOR

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 4.14.2008

Initials: KS

Date: 04-09-08

By:

RECEIVED

APR 07 2008

DIV. OF OIL, GAS & MINING

new BML

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4431073Y

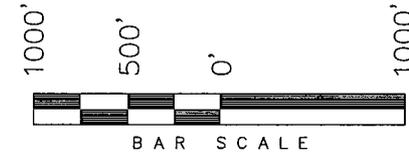
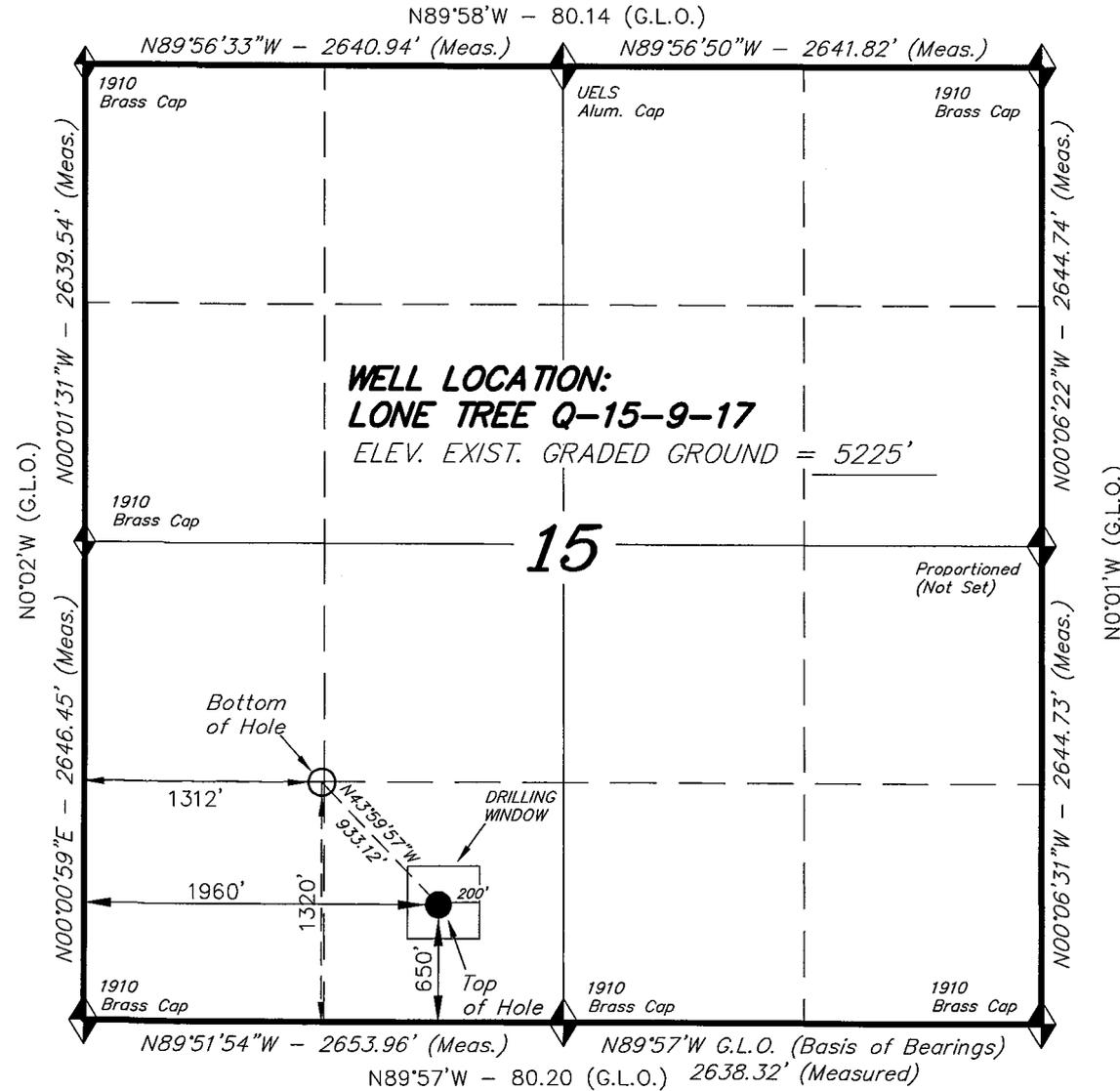
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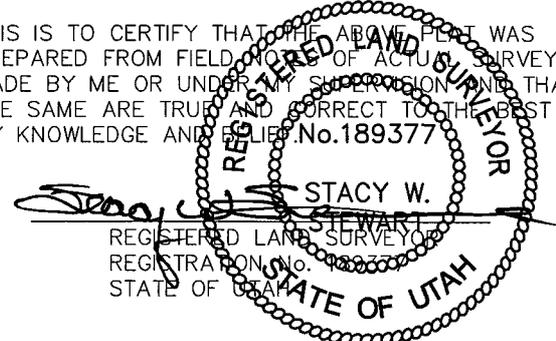
# T9S, R17E, S.L.B.&M.

# NEWFIELD PRODUCTION COMPANY

WELL LOCATION, LONE TREE Q-15-9-17,  
 LOCATED AS SHOWN IN THE SE 1/4 SW  
 1/4 OF SECTION 15, T9S, R17E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

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

**LONE TREE Q-15-9-17**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 01' 31.69"  
 LONGITUDE = 109° 59' 42.62"

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

DATE SURVEYED: 08-20-07	SURVEYED BY: T.H.
DATE DRAWN: 09-11-07	DRAWN BY: F.T.M.
REVISED: 03-27-08 F.T.M.	SCALE: 1" = 1000'

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

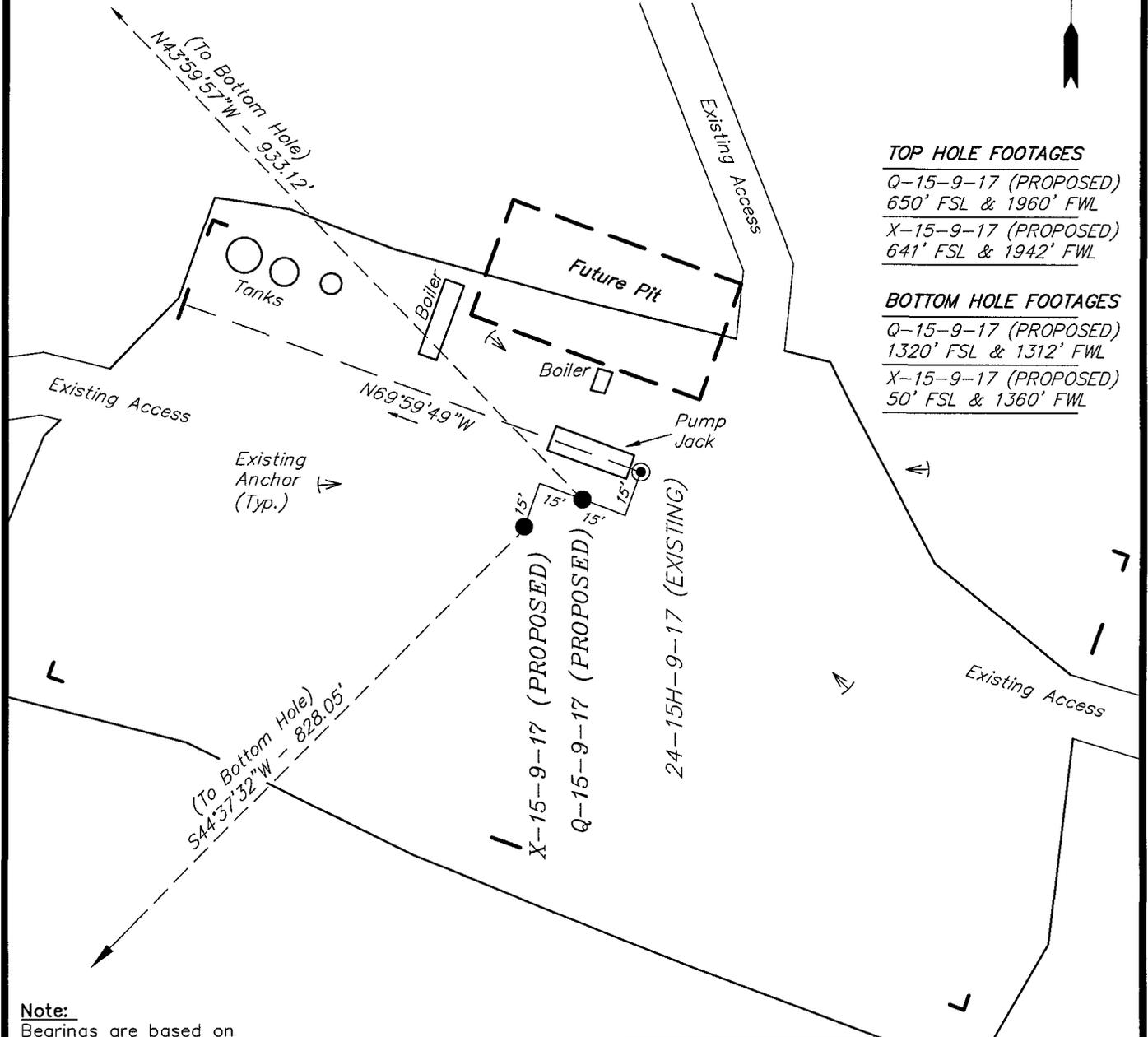
LONE TREE Q-15-9-17 (Proposed Well)

LONE TREE X-15-9-17 (Proposed Well)

LONE TREE 24-15H-9-17 (Existing Well)

Pad Location: SESW Section 15, T9S, R17E, S.L.B.&M.

N



### TOP HOLE FOOTAGES

Q-15-9-17 (PROPOSED)

650' FSL & 1960' FWL

X-15-9-17 (PROPOSED)

641' FSL & 1942' FWL

### BOTTOM HOLE FOOTAGES

Q-15-9-17 (PROPOSED)

1320' FSL & 1312' FWL

X-15-9-17 (PROPOSED)

50' FSL & 1360' FWL

### Note:

Bearings are based on  
G.P.S. observations.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
Q-15-9-17	671'	-648'
X-15-9-17	-589'	-582'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
Q-15-9-17	40° 01' 31.69"	109° 59' 42.62"
X-15-9-17	40° 01' 31.60"	109° 59' 42.86"
24-15H-9-17	40° 01' 31.78"	109° 59' 42.37"

SURVEYED BY: T.H.      DATE SURVEYED: 11-29-07  
 DRAWN BY: F.T.M.      DATE DRAWN: 12-12-07  
 SCALE: 1" = 50'      REVISED: F.T.M. 03-27-08

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

RECEIVED  
 VERNAL FIELD OFFICE  
 2008 Jan 14 PM 12:59

Form 3160-3  
 (September 2001)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74805
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
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17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
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- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 12/11/07
Title Regulatory Specialist		

Approved by (Signature) <i>Terry Kereks</i>	Name (Printed/Typed) Terry Kereks	Date NOV 06 2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

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\*(Instructions on reverse)

UDOGM

08PP0075A

NOTICE OF APPROVAL

RECEIVED

NOV 20 2008

DIV. OF OIL, GAS & MINING

NOV 10/15/07  
 CONDITIONS OF APPROVAL ATTACH



**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 Q-15-9-17  
**API No:** 43-013-33885

**Location:** SESW, Sec. 15, T9S, R17E  
**Lease No:** UTU-74805  
**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
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**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 two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, 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)**

- 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 determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC CONDITIONS OF APPROVAL**

**STIPULATIONS:**

- The proposed area contains Mountain Plover habitat. No construction, drilling, or fracing operations within known **Mountain Plover habitat from May 1 - June 15.**
- **No construction, drilling, or fracing operations within 0.5 miles of Golden Eagle nest Feb. 1 – July 15 (Castle Peak-Eight-Mile Flat EIS).**
- Comments:  
No new habitat for Pronghorn will be impacted. Oilfield activity in area is fairly high.

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- **No surface disturbance outside of APD proposal is authorized. If other disturbance is necessary, authorization will be proposed in a sundry notice (Form 3160-5) to BLM Authorized Officer. *Sclerocactus* spp. surveys may be required prior to new surface disturbing activities including pipelines (surface and buried).**
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- 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.
- To insure impermeability, the reserve pit will be lined with a 16 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.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- 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.

- Reclamation:

Interim seed mix:

Squirreltail grass	<i>Elymus elymoides</i>	5.0 lbs/acre
Hy-crest Crested wheatgrass	<i>Agropyron cristatum</i>	2.0 lbs/acre
Shadscale saltbush	<i>Atriplex confertifolia</i>	3.0 lbs/acre
Four-wing saltbush	<i>Atriplex canescens</i>	2.0 lbs/acre
Gardner's saltbush	<i>Atriplex gardneri</i>	0.5 lbs/acre

Final reclamation: seed mix: same as interim.

- All pounds are in pure live seed.
  - All seed and mulch will be certified weed free.
  - Drill seeding is the preferred method.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - If broadcasting seed: The seed will be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain.
  - Reseeding may be required if initial seeding is not successful.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
  - The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
  - Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet

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

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

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
  - COA specification is consistent with operators performance standard stated in APD.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 75 feet.
  - All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E.
- Drilling Operations, Special Drilling Operations, air/gas drilling.

**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.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- 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.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

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

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

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

*spud*  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #  
21 Submitted By Don Bastian  
Phone Number 435-823-6012  
Well Name/Number Lone Tree Federal Q-15-9-17 9  
Qtr/Qtr SE/SW Section 15 Township 15S  
Range 17E  
Lease Serial Number UTU-74805

API Number 43-013-  
33885

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11/22/08 9:45 AM   
PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 11/22/08 2:00 AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12417 ✓	4301333885	LONE TREE FED Q-15-9-17	SESW	15	9S	17E	DUCHESNE	11/22/2008	12/8/08
WELL COMMENTS: <i>GRUV</i> <i>BHL = SESW</i>											
B	99999	12417 ✓	4301333932	LONE TREE FED X-15-9-17	SESW	15	9S	17E	DUCHESNE	11/24/2008	12/8/08
WELL COMMENTS: <i>GRUV</i> <i>BHL = SESW</i>											
WELL 5 COMMENTS:											
WELL 9 COMMENTS:											

- 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.

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**DEC 08 2008**  
 DIV. OF OIL, GAS & MINING

*[Signature]*  
 Signature **Jentri Park**  
 Production Clerk **12/04/08**  
 Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone    (include are code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 650 FSL 1960 FWL  
 SESW Section 15 T9S R17E

5. Lease Serial No.  
 USA UTU-74805

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 Q-15-9-17

9. API Well No.  
 4301333885

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 11/22/08 MIRU Ross # 21. Spud well @ 9:45 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 327.47' On 11/28/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature <i>Don Bastian</i>	Date 12/05/2008

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

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

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

(Instructions on page 2)

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DEC 17 2008

DIV. OF OIL, GAS & MINING





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
USA UTU-74805

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 Q-15-9-17

9. API Well No.  
4301333885

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
650 FSL 1960 FWL  
SESW Section 15 T9S R17E

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 12/10/08 MIRU Patterson 52. 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 @ 275'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5781'. 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, 146 jt's of 5.5 J-55, 15.5# csgn. Set @ 5769.79'/ 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 26 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 120,000 #'s tension. Release rig @ 1:30 AM on 12/16/08.

**RECEIVED**  
**DEC 23 2008**

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jim Smith	Title Drilling Foreman
Signature 	Date 12/20/2008

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

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

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





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74805

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
LONE TREE UNIT

8. WELL NAME and NUMBER:  
LONE TREE FEDERAL Q-15-9-17

9. API NUMBER:  
4301333885

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 650 FSL 1960 FWL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 15, T9S, R17E STATE: UT

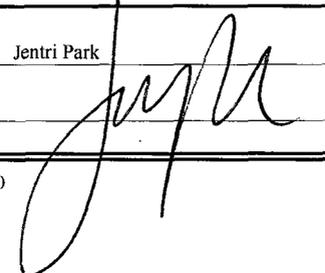
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>02/20/2009</u>	<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 01/22/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE  DATE 02/20/2009

(This space for State use only)

**RECEIVED**  
**FEB 23 2009**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**LONETREE Q-15-9-17**

**11/1/2008 To 3/28/2009**

**1/9/2009 Day: 1**

**Completion**

Rigless on 1/8/2009 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5691' cement top @ 302'. Perforate stage #1. CP5 sds @ 5618-26' & CP4 sds 5552-62' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 72 shots. 136 BWTR. SIFN.

**1/13/2009 Day: 2**

**Completion**

Rigless on 1/12/2009 - Day2a, Stage #1, CP4/CP5 sds. RU BJ Services. 88 psi on well. Frac CP4/CP5 sds w/ 39,953#'s of 20/40 sand in 426 bbls of Lightning 17 fluid. Broke @ 3086 psi. Treated w/ ave pressure of 2270 psi w/ ave rate of 23.0 BPM. ISIP 2056 psi. Leave pressure on well. 562 BWTR. See day 2b. Day 2b, Stage #2 CP1/CP2 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 2-10', 6' perf guns. Set plug @ 5460'. Perforate CP2 sds @ 5416-22' & 5396-5406' & CP1 sds @ 5366-76' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 104 shots. RU BJ Services. 1385 psi on well. Frac CP1/CP2 sds w/ 70,696#'s of 20/40 sand in 581 bbls of Lightning 17 fluid. Broke @ 1520 psi. Treated w/ ave pressure of 1800 psi w/ ave rate of 23.0 BPM. ISIP 1745 psi. Leave pressure on well. 1143 BWTR. See day 2c. Day 2c, Stage #3 A3 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 9' perf gun. Set plug @ 5000'. Perforate A3 sds @ 4934-43' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 36 shots. RU BJ Services. 1525 psi on well. Frac A3 sds w/ 40,268#'s of 20/40 sand in 403 bbls of Lightning 17 fluid. Broke @ 3441 psi. Treated w/ ave pressure of 2400 psi w/ ave rate of 23.0 BPM. ISIP 2007 psi. Leave pressure on well. 1546 BWTR. See day 2d. Day 2d, Stage #4 C/B.5/B1 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 8', 9', 6' perf guns. Set plug @ 4800'. Perforate B1 sds @ 4754-60', B.5 sds @ 4714-23' & C sds @ 4639-47' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 92 shots. RU BJ Services. 1448 psi on well. Frac C/B.5/B sds w/ 60,097#'s of 20/40 sand in 514 bbls of Lightning 17 fluid. Broke @ 1755 psi. Treated w/ ave pressure of 2000 psi w/ ave rate of 23.0 BPM. ISIP 2030 psi. Leave pressure on well. 2060 BWTR. See day 2e. Day 2e, Stage #5 D2 sds. RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4560'. Perforate D2 sds @ 4526-34' w/ 3-1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 32 shots. RU BJ Services. 1720 psi on well. Frac D2 sds w/ 35,325#'s of 20/40 sand in 367 bbls of Lightning 17 fluid. Broke @ 3406 psi. Treated w/ ave pressure of 2140 psi w/ ave rate of 23.0 BPM. ISIP 2014 psi. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 4 hrs & turned to oil. Ending oil cut @ approx. 25%. Recovered 560 bbls water. SWIFN.

**1/14/2009 Day: 3**

**Completion**

Western #1 on 1/13/2009 - MIRU Western #1. SWIFN.

**1/15/2009 Day: 4**

**Completion**

Western #1 on 1/14/2009 - Thaw well w/ hotoiler. RU The Perforators wireline truck. Set composite kill plug @ 4475'. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m

production head & Shaffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" 8rd, J-55, 6.5# tbg. Tag CBP @ 4475'. Circulate well clean. SWIFN.

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**1/16/2009 Day: 5****Completion**

Western #1 on 1/15/2009 - RU pump & lines. DU CBP @ 4475' in 15 min. Cont. RIH w/ tbg. Tag CBP @ 4560'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 4800'. DU CBP in 13 min. Cont. RIH w/ tbg. Tag CBP @ 5000'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag fill @ 5391'. C/O to CBP @ 5460'. DU CBP in 46 min. Circulate well clean. SWIFN.

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**1/17/2009 Day: 6****Completion**

Western #1 on 1/16/2009 - Thaw well w/ hotoiler. Bleed off well. Cont. RIH w/ tbg. Tag fill @ 5500'. C/O to PBSD @ 5734'. Circulate well clean. Pull up hole to 5666'. Well started flowing. Circulate well to kill well. POOH w/ tbg., stopping once to circualte well dead. LD BHA. RIH w/ 2 7/8" bullplug, 3 jts 2 7/8" tbg., 2 7/8" nipple, PBGA, 1 jt 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 170 jts 2 7/8" tbg. Drain pump & pump lines. SWIFN.

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**1/18/2009 Day: 7****Completion**

Western #1 on 1/17/2009 - Check pressure on well, 200 psi tbg,400 psi csg. RU hot oil truck & flush tbg w/ 60 BW @ 250°. RU rig pump & continue to circulate well until dead. RD rig floor. ND BOPs. Set TA @ 5341' w/ 16,000# tension. NU wellhead. X-over for rod equip. Flush tbg w/ 60 BW. PU & prime CDI 2 1/2X 1 3/4" X 16' X 20' RHAC rod pump. PU & TIH w/ "A" grade rod string as follows: 1 5/8" 21K shear coupling, 4- 1 1/2" weight rods, 210- 7/8" guided rods (8per), 1-2' X 7/8" pony rod, 1 1/2" X 26' polished rod. RU pumping unit. W/ tbg full, stroke test pump to 800 psi. 122" SL. Could not PWOP due to completion operations on LT X-15-9-17.

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**1/23/2009 Day: 8****Completion**

Rigless on 1/22/2009 - Western #1 moved off the X-15-9-17. Kicked in the Q-15-9-17. PWOP @ 3:30pm, 122" SL, 3.7 SPM, 1867 BWTR. Final report.

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-74805

6. If Indian, Allottee or Tribe Name  
NA

7. Unit or CA Agreement Name and No.  
LONETREE UNIT

8. Lease Name and Well No.  
LONETREE FEDERAL Q-15-9-17

9. AFI Well No.  
43-013-33885

10. Field and Pool or Exploratory  
MONUMENT BUTTE

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 15, T9S, R17E

12. County or Parish  
DUCHESNE

13. State  
UT

14. Date Spudded  
11/22/2008

15. Date T.D. Reached  
12/14/2008

16. Date Completed 01/22/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5225' GL 5237' KB

1. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
Other: \_\_\_\_\_

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 650' FSL & 1960' FWL (SE/SW) SEC. 15, T9S, R17E  
At top prod. interval reported below 1324' FSL & 1325' FWL (SE/SW)  
At total depth 5784' 1415 FSL 1248 FWL S-15 T09S R17E

18. Total Depth: MD 5781' TVD 5668'

19. Plug Back T.D.: MD 5734' TVD 5622'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		327'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5770'		300 PRIMLITE		302'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5507'	TA @ 5341'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP5) & (CP4) see below	.49"	4	72
B) GREEN RIVER			(CP2) & (CP1) see below	.49"	4	104
C) GREEN RIVER			(A3) 4934-4943'	.49"	4	36
D) GREEN RIVER			(B1),(B.5) & (C) see below	.49"	4	92

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5552-5562'	Frac w/ 39953# of 20/40 snd 426 bbls fluid
5366-5422'	Frac w/ 70696# 20/40 snd 581 bbls fluid
4934-4943'	Frac w/ 40268# 20/40 snd 403 bbls fluid
4639-4760'	Frac w/ 60097# 20/40 snd 514 bbls fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/16/09	01/24/09	24	→	34	54	39			2-1/2" x 1-3/4" x 16' x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

RECEIVED  
FEB 03 2009

\*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3461' 3652'
				GARDEN GULCH 2 POINT 3	3766' 4026'
				X MRKR Y MRKR	4279' 4316'
				DOUGALS CREEK MRK BI CARBONATE MRK	4444' 4681'
				B LIMESTON MRK CASTLE PEAK	4807' 5292'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5730' 5775'

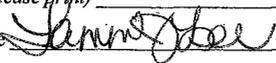
32. Additional remarks (include plugging procedure):

(CP5) 5619-5626' (CP4) 5552-5562'  
 (CP2) 5146-5422', 5396-5406' (CP1) 5366-5376'  
 (B1) 4754-4760' (B.5) 4714-4723' (C) 4639-4647'  
 (D2) 4526-4534' .49" 4/32 4526-4534' Frac w/ 35325#s of 20/40 sand in 367 bbls of fluid

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi Lee Title Production Clerk  
 Signature  Date 01/29/2009

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.

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 15  
LONE TREE Q-15-9-17**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

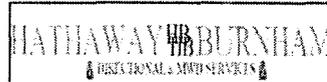
**15 December, 2008**

**HATHAWAY <sup>HB</sup> BURNHAM**  
**DIRECTIONAL & MWD SERVICES**



# Hathaway Burnham

## Survey Report



<b>Company:</b>	NEWFIELD EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well LONE TREE Q-15-9-17
<b>Project:</b>	USGS Myton SW (UT)	<b>TVD Reference:</b>	Q-15-9-17 @ 5237.00ft (PATTERSON 52)
<b>Site:</b>	SECTION 15	<b>MD Reference:</b>	Q-15-9-17 @ 5237.00ft (PATTERSON 52)
<b>Well:</b>	LONE TREE Q-15-9-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		Using geodetic scale factor

<b>Site</b>	SECTION 15, SEC 15 T9S, R17E		
<b>Site Position:</b>		<b>Northing:</b>	7,182,997.99ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,062,000.00ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40.029446
		<b>Longitude:</b>	-109.994360
		<b>Grid Convergence:</b>	0.96 °

<b>Well</b>	LONE TREE Q-15-9-17, SHL LAT: 40 01 31.69, LONG: 40 01 31.69		
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b> 7,181,545.74 ft
	+E/-W	0.00 ft	<b>Easting:</b> 2,061,796.87 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40.025469
		<b>Longitude:</b>	-109.995172
		<b>Ground Level:</b>	0.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF200510	2008/11/03	(°) 11.60	(°) 65.87	(nT) 52,557

<b>Design</b>	Wellbore #1			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.00
<b>Vertical Section:</b>		<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
		(ft)	(ft)	(ft)
		5,100.00	0.00	0.00
				<b>Direction</b>
				(°) 316.00

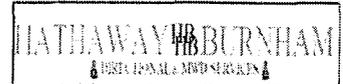
<b>Survey Program</b>	Date 2008/12/15			
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
(ft) 389.00	(ft) 5,771.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
389.00	0.18	142.14	389.00	-0.48	0.38	-0.61	0.05	0.05	0.00
420.00	0.18	273.34	420.00	-0.52	0.36	-0.62	1.06	0.00	423.23
448.00	0.50	285.34	448.00	-0.48	0.19	-0.48	1.16	1.14	42.86
479.00	0.97	291.42	479.00	-0.35	-0.18	-0.13	1.53	1.52	19.61
512.00	1.23	292.42	511.99	-0.11	-0.77	0.45	0.79	0.79	3.03
543.00	1.63	296.98	542.98	0.21	-1.47	1.17	1.34	1.29	14.71
573.00	1.85	298.98	572.97	0.64	-2.27	2.04	0.76	0.73	6.67
604.00	2.12	300.48	603.95	1.17	-3.20	3.07	0.89	0.87	4.84
634.00	2.31	303.00	633.93	1.78	-4.19	4.19	0.71	0.63	8.40
665.00	2.50	303.09	664.90	2.49	-5.28	5.46	0.61	0.61	0.29
696.00	2.90	307.24	695.86	3.34	-6.47	6.90	1.44	1.29	13.39
726.00	3.15	311.77	725.82	4.35	-7.69	8.47	1.15	0.83	15.10



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 15  
**Well:** LONE TREE Q-15-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well LONE TREE Q-15-9-17  
**TVD Reference:** Q-15-9-17 @ 5237.00ft (PATTERSON 52)  
**MD Reference:** Q-15-9-17 @ 5237.00ft (PATTERSON 52)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

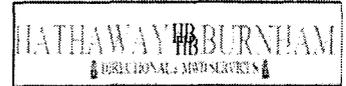
### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
757.00	3.74	312.21	756.77	5.59	-9.07	10.33	1.91	1.90	1.42
788.00	4.00	312.71	787.69	7.01	-10.62	12.41	0.85	0.84	1.61
818.00	4.33	313.35	817.62	8.49	-12.21	14.59	1.11	1.10	2.13
850.00	4.57	314.41	849.52	10.21	-14.00	17.07	0.79	0.75	3.31
882.00	5.20	315.26	881.40	12.14	-15.93	19.80	1.98	1.97	2.66
913.00	5.56	315.15	912.27	14.20	-17.98	22.70	1.16	1.16	-0.35
945.00	6.06	317.09	944.10	16.53	-20.22	25.94	1.68	1.56	6.06
976.00	6.37	318.16	974.92	19.01	-22.48	29.30	1.07	1.00	3.45
1,008.00	6.65	318.04	1,006.71	21.71	-24.91	32.92	0.88	0.87	-0.37
1,040.00	6.95	318.62	1,038.49	24.55	-27.42	36.71	0.96	0.94	1.81
1,071.00	7.36	315.48	1,069.25	27.37	-30.06	40.57	1.83	1.32	-10.13
1,103.00	7.73	315.39	1,100.97	30.36	-33.00	44.77	1.16	1.16	-0.28
1,135.00	8.35	315.20	1,132.65	33.54	-36.15	49.24	1.94	1.94	-0.59
1,167.00	8.71	315.11	1,164.30	36.91	-39.50	53.99	1.13	1.12	-0.28
1,199.00	9.34	315.48	1,195.90	40.48	-43.03	59.01	1.98	1.97	1.16
1,231.00	9.65	315.57	1,227.47	44.24	-46.73	64.29	0.97	0.97	0.28
1,262.00	10.11	316.23	1,258.01	48.06	-50.43	69.61	1.53	1.48	2.13
1,294.00	10.50	316.73	1,289.49	52.21	-54.37	75.33	1.25	1.22	1.56
1,326.00	10.89	316.28	1,320.93	56.52	-58.46	81.27	1.25	1.22	-1.41
1,358.00	10.92	315.56	1,352.36	60.87	-62.67	87.32	0.44	0.09	-2.25
1,389.00	11.14	313.99	1,382.78	65.05	-66.88	93.25	1.20	0.71	-5.06
1,421.00	11.18	314.08	1,414.18	69.35	-71.33	99.44	0.14	0.12	0.28
1,453.00	11.71	313.46	1,445.54	73.74	-75.92	105.79	1.70	1.66	-1.94
1,484.00	12.08	313.44	1,475.88	78.14	-80.56	112.17	1.19	1.19	-0.06
1,516.00	12.30	313.57	1,507.15	82.79	-85.46	118.92	0.69	0.69	0.41
1,547.00	12.30	312.63	1,537.44	87.30	-90.28	125.51	0.65	0.00	-3.03
1,579.00	12.50	310.12	1,568.70	91.84	-95.44	132.36	1.80	0.62	-7.84
1,610.00	12.05	308.63	1,598.99	96.02	-100.53	138.91	1.78	-1.45	-4.81
1,642.00	12.24	307.29	1,630.27	100.16	-105.84	145.57	1.06	0.59	-4.19
1,674.00	11.95	306.36	1,661.56	104.18	-111.21	152.19	1.09	-0.91	-2.91
1,706.00	11.91	305.95	1,692.87	108.09	-116.55	158.71	0.29	-0.12	-1.28
1,737.00	12.11	305.48	1,723.19	111.85	-121.78	165.06	0.72	0.65	-1.52
1,769.00	12.41	304.87	1,754.46	115.77	-127.34	171.73	1.02	0.94	-1.91
1,800.00	12.68	304.56	1,784.72	119.60	-132.87	178.33	0.90	0.87	-1.00
1,832.00	12.92	304.30	1,815.93	123.61	-138.72	185.28	0.77	0.75	-0.81
1,864.00	12.83	304.98	1,847.12	127.66	-144.59	192.27	0.55	-0.28	2.12
1,927.00	12.99	309.70	1,908.53	136.19	-155.77	206.17	1.69	0.25	7.49
1,959.00	13.00	311.29	1,939.71	140.87	-161.24	213.34	1.12	0.03	4.97
1,991.00	13.62	311.35	1,970.85	145.73	-166.77	220.68	1.94	1.94	0.19
2,023.00	14.11	312.41	2,001.92	150.85	-172.48	228.33	1.72	1.53	3.31
2,054.00	14.66	314.73	2,031.95	156.16	-178.06	236.02	2.57	1.77	7.48
2,149.00	13.89	318.91	2,124.02	173.22	-194.09	259.43	1.35	-0.81	4.40
2,245.00	14.24	318.80	2,217.14	190.78	-209.44	282.73	0.37	0.36	-0.11
2,340.00	12.96	315.26	2,309.47	207.14	-224.64	305.05	1.61	-1.35	-3.73
2,435.00	12.57	316.34	2,402.13	222.19	-239.27	326.04	0.48	-0.41	1.14
2,530.00	13.18	317.68	2,494.74	237.68	-253.70	347.21	0.71	0.64	1.41
2,625.00	14.30	318.10	2,587.02	254.42	-268.83	369.76	1.18	1.18	0.44
2,721.00	14.43	316.40	2,680.02	271.90	-285.00	393.57	0.46	0.14	-1.77
2,816.00	15.25	316.81	2,771.85	289.58	-301.71	417.90	0.87	0.86	0.43
2,912.00	13.71	313.66	2,864.80	306.65	-318.58	441.89	1.80	-1.60	-3.28
3,007.00	14.63	315.02	2,956.91	322.90	-335.21	465.13	1.03	0.97	1.43
3,102.00	13.38	318.78	3,049.08	339.66	-350.93	488.11	1.63	-1.32	3.96
3,197.00	12.96	321.94	3,141.58	356.32	-364.74	509.68	0.88	-0.44	3.33
3,292.00	12.26	319.74	3,234.29	372.40	-377.83	530.35	0.89	-0.74	-2.32



# Hathaway Burnham

## Survey Report



<b>Company:</b>	NEWFIELD EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well LONE TREE Q-15-9-17
<b>Project:</b>	USGS Myton SW (UT)	<b>TVD Reference:</b>	Q-15-9-17 @ 5237.00ft (PATTERSON 52)
<b>Site:</b>	SECTION 15	<b>MD Reference:</b>	Q-15-9-17 @ 5237.00ft (PATTERSON 52)
<b>Well:</b>	LONE TREE Q-15-9-17	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 2003.21 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,388.00	11.67	319.04	3,328.21	387.51	-390.78	550.21	0.63	-0.61	-0.73	
3,483.00	10.20	314.27	3,421.48	400.64	-403.10	568.22	1.82	-1.55	-5.02	
3,578.00	9.21	309.33	3,515.12	411.33	-415.01	584.18	1.36	-1.04	-5.20	
3,673.00	11.95	314.95	3,608.50	423.10	-427.85	601.56	3.08	2.88	5.92	
3,768.00	11.40	314.89	3,701.53	436.67	-441.46	620.78	0.58	-0.58	-0.06	
3,863.00	11.29	318.69	3,794.68	450.29	-454.26	639.46	0.80	-0.12	4.00	
3,958.00	11.73	315.13	3,887.77	464.11	-467.21	658.41	0.88	0.46	-3.75	
4,054.00	12.90	320.78	3,981.56	479.33	-480.87	678.84	1.75	1.22	5.89	
4,149.00	13.01	320.82	4,074.14	495.84	-494.33	700.07	0.12	0.12	0.04	
4,255.00	13.45	319.61	4,177.33	514.48	-509.86	724.26	0.49	0.42	-1.14	
4,340.00	14.04	321.26	4,259.90	530.05	-522.71	744.39	0.83	0.69	1.94	
4,435.00	14.02	320.76	4,352.06	547.95	-537.20	767.33	0.13	-0.02	-0.53	
4,531.00	13.42	317.72	4,445.32	565.20	-552.05	790.06	0.98	-0.62	-3.17	
4,626.00	14.55	319.39	4,537.51	582.41	-567.24	812.99	1.26	1.19	1.76	
4,722.00	13.67	318.21	4,630.61	600.03	-582.65	836.36	0.96	-0.92	-1.23	
4,817.00	12.79	317.04	4,723.09	616.09	-597.30	858.10	0.97	-0.93	-1.23	
4,912.00	11.47	317.24	4,815.97	630.72	-610.87	878.05	1.39	-1.39	0.21	
5,007.00	12.99	318.80	4,908.81	645.69	-624.32	898.16	1.64	1.60	1.64	
5,102.00	12.63	319.94	5,001.44	661.68	-638.04	919.19	0.46	-0.38	1.20	
5,196.00	11.86	322.51	5,093.30	677.21	-650.53	939.04	1.00	-0.82	2.73	
5,201.33	11.81	322.67	5,098.52	678.07	-651.20	940.13	1.10	-0.91	3.02	
<b>Q-15-9-17 TGT</b>										
5,291.00	11.01	325.59	5,186.42	692.44	-661.60	957.68	1.10	-0.89	3.26	
5,386.00	11.84	324.62	5,279.54	707.87	-672.37	976.26	0.90	0.87	-1.02	
5,481.00	11.85	322.09	5,372.51	723.51	-684.01	995.60	0.55	0.01	-2.66	
5,575.00	10.02	324.82	5,464.80	737.81	-694.65	1,013.28	2.02	-1.95	2.90	
5,716.00	9.36	328.42	5,603.79	757.60	-707.72	1,036.60	0.64	-0.47	2.55	
5,771.00	9.10	329.82	5,658.08	765.17	-712.25	1,045.19	0.62	-0.47	2.55	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

H        HEADER        INFORMATION-----  
 H        COMPANY     :            NEWFIELD EXPLORATION  
 H        FIELD        :            USGS        Myton     SW        (UT)  
 H        SITE         :            SECTION        15  
 H        WELL         :            LONE        TREE        Q-15-9-17  
 H        WELLPATH: Wellbore    #1  
 H        DEPTHUNT: ft  
 H        SURVDATE:  12/15/2008  
 H        DECLINATION CORR.  
 H        =                10.64 TO        GRIDH-----

H        WELL        INFORMATION  
 H        WELL        EW        MAP     :            2061797  
 H        WELL        NS        MAP     :            7181546  
 H        DATUM        ELEVN     :            5237  
 H        VSECT        ANGLE     :            316  
 H        VSECT        NORTH    :            0  
 H        VSECT        EAST     :            0

H-----  
 H        SURVEY        TYPE        INFORMATION  
 H                    389 -            5771 SURVEY   #1        :        MWD  
 H-----

H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	0
	389	0.18	142.14	389	-0.48	0.38	-0.61	0.05
	420	0.18	273.34	420	-0.52	0.36	-0.62	1.06
	448	0.5	285.34	448	-0.48	0.19	-0.48	1.16
	479	0.97	291.42	479	-0.35	-0.18	-0.13	1.53
	512	1.23	292.42	511.99	-0.11	-0.77	0.45	0.79
	543	1.63	296.98	542.98	0.21	-1.47	1.17	1.34
	573	1.85	298.98	572.97	0.64	-2.27	2.04	0.76
	604	2.12	300.48	603.95	1.17	-3.2	3.07	0.89
	634	2.31	303	633.93	1.78	-4.19	4.19	0.71
	665	2.5	303.09	664.9	2.49	-5.28	5.46	0.61
	696	2.9	307.24	695.86	3.34	-6.47	6.9	1.44
	726	3.15	311.77	725.82	4.35	-7.69	8.47	1.15
	757	3.74	312.21	756.77	5.59	-9.07	10.33	1.91
	788	4	312.71	787.69	7.01	-10.62	12.41	0.85
	818	4.33	313.35	817.62	8.49	-12.21	14.59	1.11
	850	4.57	314.41	849.52	10.21	-14	17.07	0.79
	882	5.2	315.26	881.4	12.14	-15.93	19.8	1.98
	913	5.56	315.15	912.27	14.2	-17.98	22.7	1.16
	945	6.06	317.09	944.1	16.53	-20.22	25.94	1.68
	976	6.37	318.16	974.92	19.01	-22.48	29.3	1.07
	1008	6.65	318.04	1006.71	21.71	-24.91	32.92	0.88
	1040	6.95	318.62	1038.49	24.55	-27.42	36.71	0.96
	1071	7.36	315.48	1069.25	27.37	-30.06	40.57	1.83

1103	7.73	315.39	1100.97	30.36	-33	44.77	1.16
1135	8.35	315.2	1132.65	33.54	-36.15	49.24	1.94
1167	8.71	315.11	1164.3	36.91	-39.5	53.99	1.13
1199	9.34	315.48	1195.9	40.48	-43.03	59.01	1.98
1231	9.65	315.57	1227.47	44.24	-46.73	64.29	0.97
1262	10.11	316.23	1258.01	48.06	-50.43	69.61	1.53
1294	10.5	316.73	1289.49	52.21	-54.37	75.33	1.25
1326	10.89	316.28	1320.93	56.52	-58.46	81.27	1.25
1358	10.92	315.56	1352.36	60.87	-62.67	87.32	0.44
1389	11.14	313.99	1382.78	65.05	-66.88	93.25	1.2
1421	11.18	314.08	1414.18	69.35	-71.33	99.44	0.14
1453	11.71	313.46	1445.54	73.74	-75.92	105.79	1.7
1484	12.08	313.44	1475.88	78.14	-80.56	112.17	1.19
1516	12.3	313.57	1507.15	82.79	-85.46	118.92	0.69
1547	12.3	312.63	1537.44	87.3	-90.28	125.51	0.65
1579	12.5	310.12	1568.7	91.84	-95.44	132.36	1.8
1610	12.05	308.63	1598.99	96.02	-100.53	138.91	1.78
1642	12.24	307.29	1630.27	100.16	-105.84	145.57	1.06
1674	11.95	306.36	1661.56	104.18	-111.21	152.19	1.09
1706	11.91	305.95	1692.87	108.09	-116.55	158.71	0.29
1737	12.11	305.48	1723.19	111.85	-121.78	165.06	0.72
1769	12.41	304.87	1754.46	115.77	-127.34	171.73	1.02
1800	12.68	304.56	1784.72	119.6	-132.87	178.33	0.9
1832	12.92	304.3	1815.93	123.61	-138.72	185.28	0.77
1864	12.83	304.98	1847.12	127.66	-144.59	192.27	0.55
1927	12.99	309.7	1908.53	136.19	-155.77	206.17	1.69
1959	13	311.29	1939.71	140.87	-161.24	213.34	1.12
1991	13.62	311.35	1970.85	145.73	-166.77	220.68	1.94
2023	14.11	312.41	2001.92	150.85	-172.48	228.33	1.72
2054	14.66	314.73	2031.95	156.16	-178.06	236.02	2.57
2149	13.89	318.91	2124.02	173.22	-194.09	259.43	1.35
2245	14.24	318.8	2217.14	190.78	-209.44	282.73	0.37
2340	12.96	315.26	2309.47	207.14	-224.64	305.05	1.61
2435	12.57	316.34	2402.13	222.19	-239.27	326.04	0.48
2530	13.18	317.68	2494.74	237.68	-253.7	347.21	0.71
2625	14.3	318.1	2587.02	254.42	-268.83	369.76	1.18
2721	14.43	316.4	2680.02	271.9	-285	393.57	0.46
2816	15.25	316.81	2771.85	289.58	-301.71	417.9	0.87
2912	13.71	313.66	2864.8	306.65	-318.58	441.89	1.8
3007	14.63	315.02	2956.91	322.9	-335.21	465.13	1.03
3102	13.38	318.78	3049.08	339.66	-350.93	488.11	1.63
3197	12.96	321.94	3141.58	356.32	-364.74	509.68	0.88
3292	12.26	319.74	3234.29	372.4	-377.83	530.35	0.89
3388	11.67	319.04	3328.21	387.51	-390.78	550.21	0.63
3483	10.2	314.27	3421.48	400.64	-403.1	568.22	1.82
3578	9.21	309.33	3515.12	411.33	-415.01	584.18	1.36
3673	11.95	314.95	3608.5	423.1	-427.85	601.56	3.08

3768	11.4	314.89	3701.53	436.67	-441.46	620.78	0.58
3863	11.29	318.69	3794.68	450.29	-454.26	639.46	0.8
3958	11.73	315.13	3887.77	464.11	-467.21	658.41	0.88
4054	12.9	320.78	3981.56	479.33	-480.87	678.84	1.75
4149	13.01	320.82	4074.14	495.84	-494.33	700.07	0.12
4255	13.45	319.61	4177.33	514.48	-509.86	724.26	0.49
4340	14.04	321.26	4259.9	530.05	-522.71	744.39	0.83
4435	14.02	320.76	4352.06	547.95	-537.2	767.33	0.13
4531	13.42	317.72	4445.32	565.2	-552.05	790.06	0.98
4626	14.55	319.39	4537.51	582.41	-567.24	812.99	1.26
4722	13.67	318.21	4630.61	600.03	-582.65	836.36	0.96
4817	12.79	317.04	4723.09	616.09	-597.3	858.1	0.97
4912	11.47	317.24	4815.97	630.72	-610.87	878.05	1.39
5007	12.99	318.8	4908.81	645.69	-624.32	898.16	1.64
5102	12.63	319.94	5001.44	661.68	-638.04	919.19	0.46
5196	11.86	322.51	5093.3	677.21	-650.53	939.04	1
5291	11.01	325.59	5186.42	692.44	-661.6	957.68	1.1
5386	11.84	324.62	5279.54	707.87	-672.37	976.26	0.9
5481	11.85	322.09	5372.51	723.51	-684.01	995.6	0.55
5575	10.02	324.82	5464.8	737.81	-694.65	1013.28	2.02
5716	9.36	328.42	5603.79	757.6	-707.72	1036.6	0.64
5771	9.1	329.82	5658.08	765.17	-712.25	1045.19	0.62

# NEWFIELD



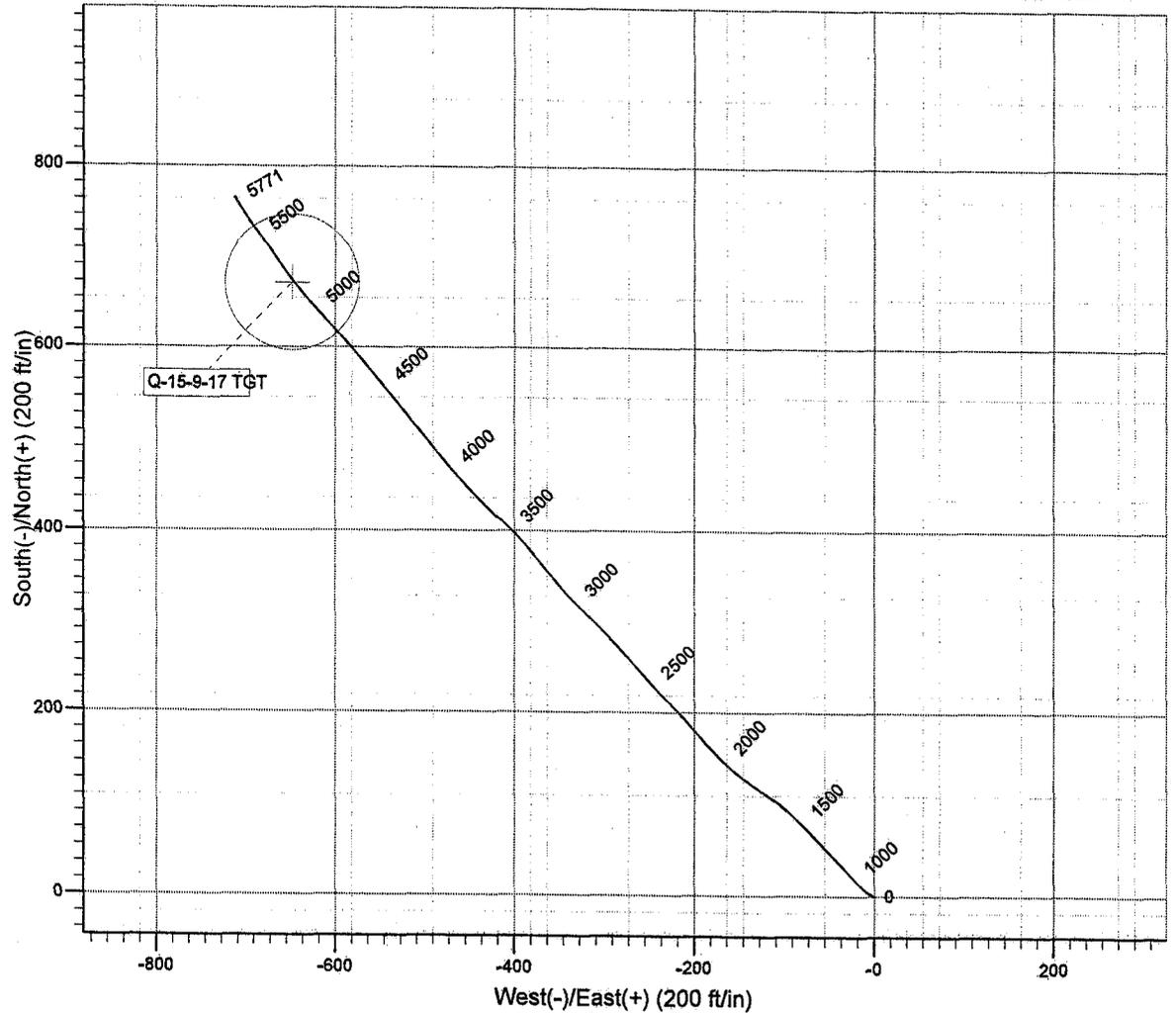
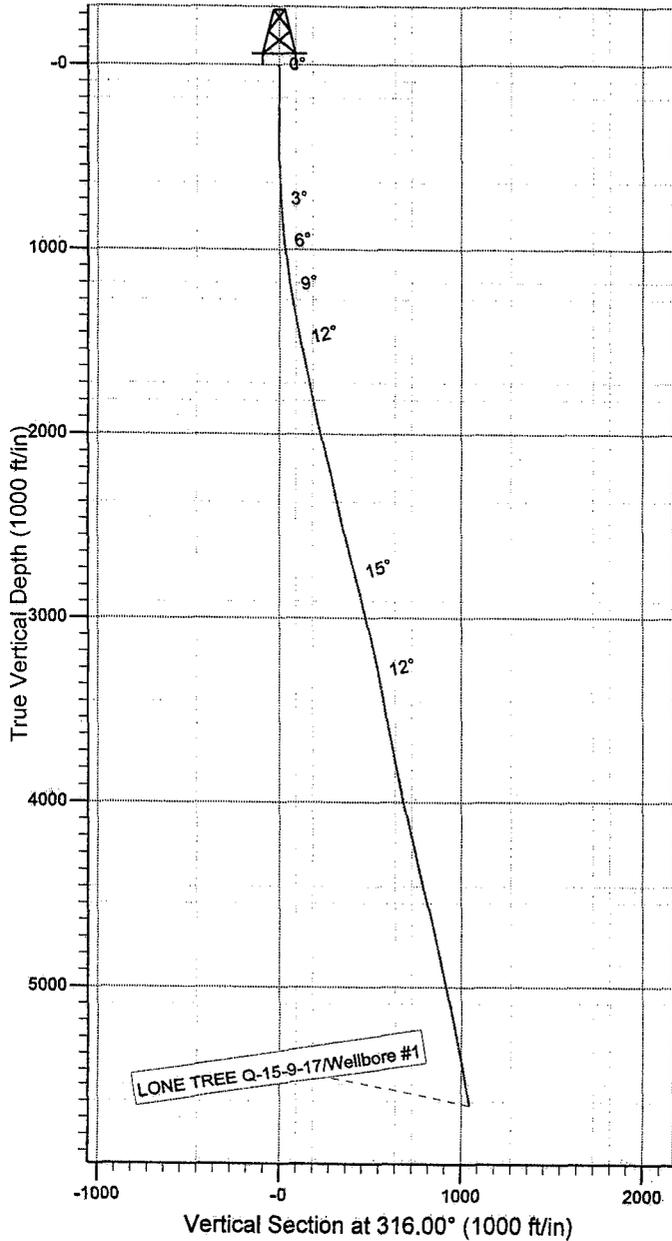
Project: USGS Myton SW (UT)  
 Site: SECTION 15  
 Well: LONE TREE Q-15-9-17  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.60°

Magnetic Field  
 Strength: 52556.6snT  
 Dip Angle: 65.87°  
 Date: 2008/11/03  
 Model: IGRF200510



HATHAWAY <sup>HB</sup> BURNHAM  
 DIRECTIONAL & MWD SERVICES

Design: Wellbore #1 (LONE TREE Q-15-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 8:39, December 15 2008

THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD  
 DATA.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74805
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LONE TREE FED Q-15-9-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013338850000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0650 FSL 1960 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 15 Township: 09.0S Range: 17.0E Meridian: S
<b>COUNTY:</b> DUCHESNE	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/19/2016</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Well Clean Out"/>

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

The above mentioned well has had a history of scale. Newfield will be doing a well clean out of the wellbore with the intention to increase hydrocarbon production and bring the well back up to economic production volumes.

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

Date: August 25, 2016  
 By: *Dark Oust*

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/19/2016	