



November 13, 2007

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

RE: Directional Drilling  
**Pleasant Valley Federal Y-4-9-17**  
Pleasant Valley Unit  
UTU-74477X  
Surface Hole: T9S R17E, Section 4: SW/4SW/4  
787' FSL 667' FWL  
Bottom Hole: T9S R17E, Section 4: SW/4SW/4  
0' FSL 0' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated October 26, 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 Pleasant Valley Federal Unit UTU-74477X. Newfield certifies that it is the Pleasant Valley Unit Operator and all lands within 460 feet of the entire directional well bore are within the Pleasant Valley 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,

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

Roxann Eveland  
Land Associate

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.  
UTU-7978

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

7. If Unit or CA Agreement, Name and No.  
Pleasant Valley Unit

8. Lease Name and Well No.  
Pleasant Valley Federal Y-4-9-17

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 4, T9S R17E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SW/SW 787' FSL 667' FWL  
At proposed prod. zone SW/SW 0' FSL 0' FWL

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 13.7 miles southeast of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 0' f/lse, 1320' f/unit  
Approx. 1453'

16. No. of Acres in lease  
40.00

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. 1453'

19. Proposed Depth  
6100'

20. BLM/BIA Bond No. on file  
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5249' GL

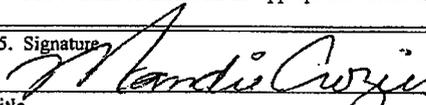
22. Approximate date work will start\*  
1st Quarter 2008

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

25. Signature  Name (Printed/Typed) Mandie Crozier Date 10/26/07

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)

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NOV 16 2007  
DIV. OF OIL, GAS & MINING



**NEWFIELD PRODUCTION COMPANY  
PLEASANT VALLEY FEDERAL #Y-4-9-17  
AT SURFACE: SW/SW SECTION 4, 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' – 2105'
Green River	2105'
Wasatch	6100'

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

Green River Formation 2105' – 6100' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

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

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

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
PLEASANT VALLEY FEDERAL #Y-4-9-17  
AT SURFACE: SW/SW SECTION 4, 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 Pleasant Valley Federal #Y-4-9-17 located in the SW 1/4 SW 1/4 Section 4, 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 - 11.3 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.5 miles  $\pm$  to it's junction with an existing road to the northwest; proceed northwesterly - 0.5 miles  $\pm$  to the existing Federal 14-4H-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 Federal 14-4H-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 Federal 14-4H-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Pleasant Valley Federal Y-4-9-17. 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 Pleasant Valley Federal Y-4-9-17 will be drilled off of the existing Federal 14-4H-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**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #07-350, 10/23/07. Paleontological Resource Survey prepared by, Wade Miller, October 2007. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 780' of disturbed area be granted in Lease UTU-7978 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

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

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

will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

A 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
Shadscale	<i>Atriplex Confertifolia</i>	2 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre

**Details of the On-Site Inspection**

The proposed Pleasant Valley Federal Y-4-9-17 was on-sited on 10/18/07. The following were present; Dave Allred (Newfield Production), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management).. Weather conditions were clear and ground cover was 100% open.

**13. 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 #Y-4-9-17 SW/SW Section 4, Township 9S, Range 17E: Lease UTU-7978 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.

10/23/07

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

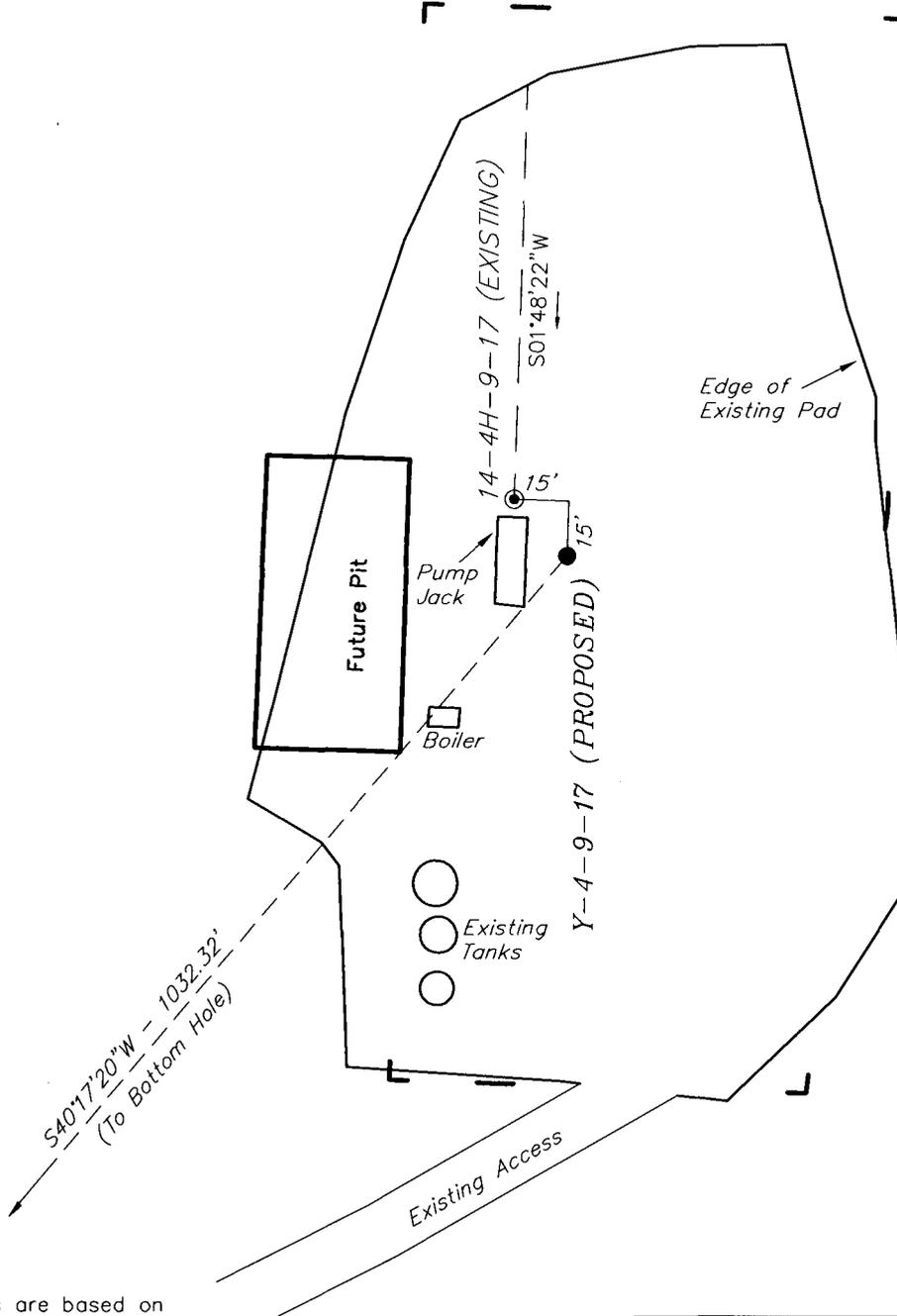
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

PLEASANT VALLEY Y-4-9-17 (Proposed Well)

PLEASANT VALLEY 14-4H-9-17 (Existing Well)

Pad Location: SWSW Section 4, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

Y-4-9-17 (PROPOSED)  
787' FSL & 667' FWL

### BOTTOM HOLE FOOTAGES

Y-4-9-17 (PROPOSED)  
0' FSL & 0' FWL

**Note:**

Bearings are based on GLO Information.

RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
Y-4-9-17	-787'	-668'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
Y-4-9-17	40° 03' 17.47"	110° 01' 07.07"
14-4H-9-17	40° 03' 17.62"	110° 01' 07.26"

SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED:

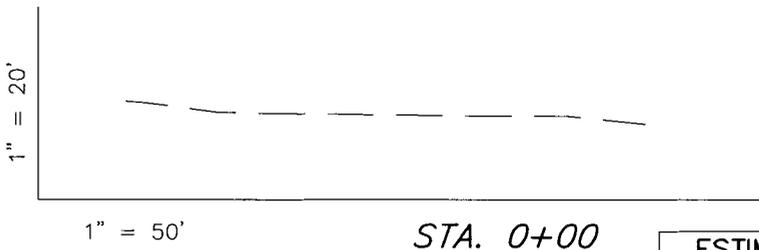
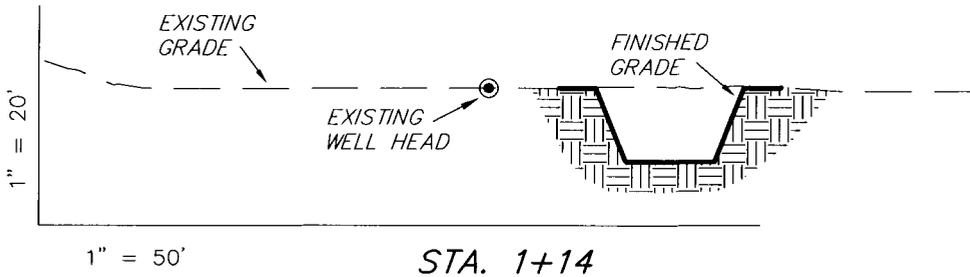
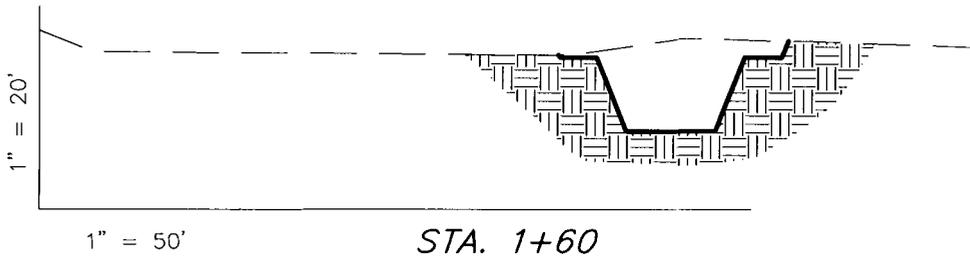
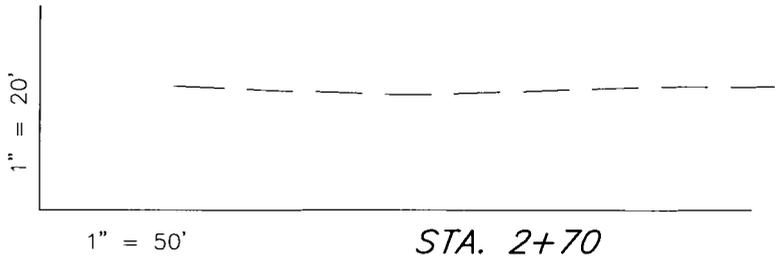
(435) 781-2501

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

PLEASANT VALLEY Y-4-9-17 (Proposed Well)  
 PLEASANT VALLEY 14-4H-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	210	20	Topsoil is not included in Pad Cut	190
PIT	640	0		640
TOTALS	850	20	120	830

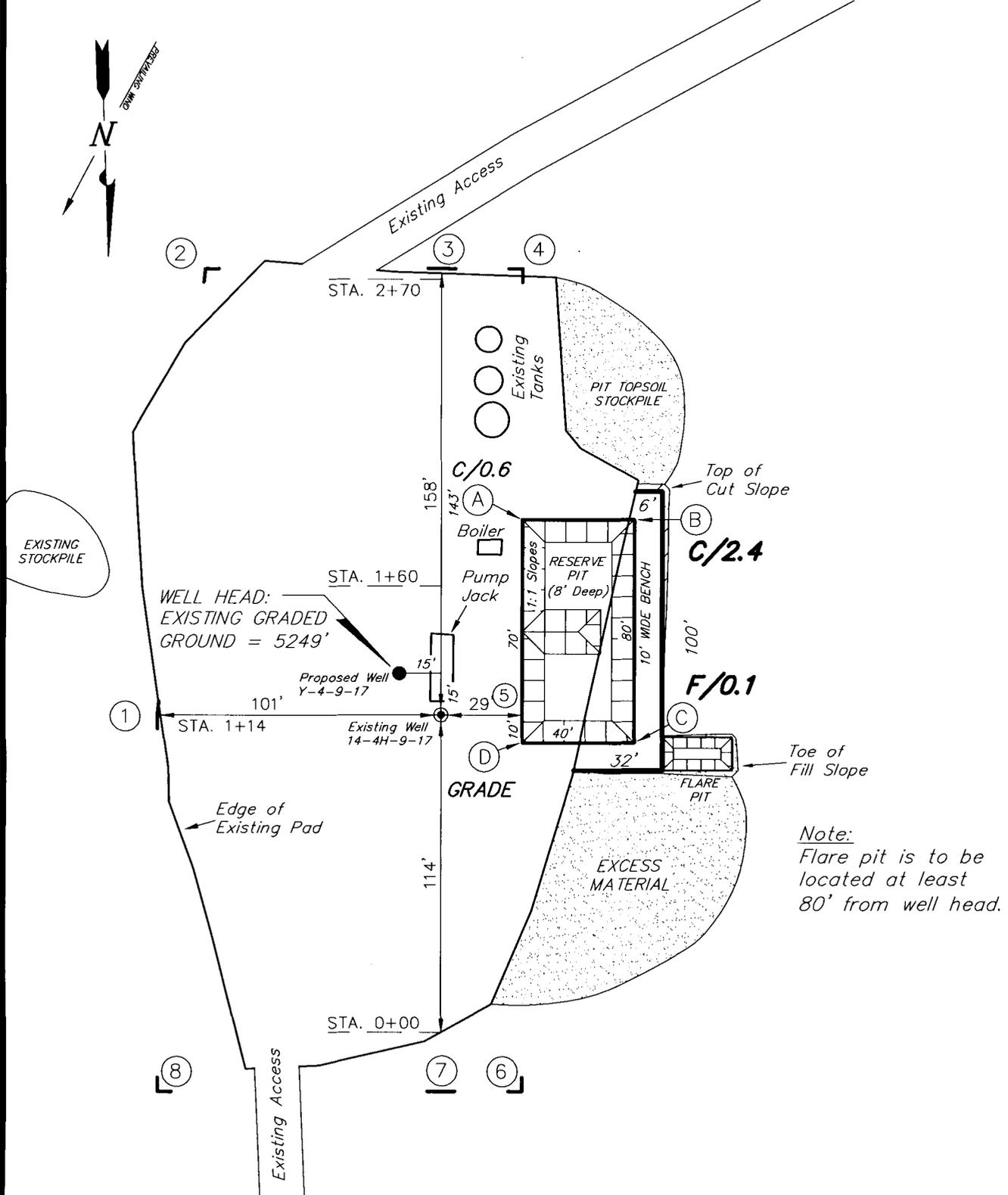
SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

PLEASANT VALLEY Y-4-9-17 (Proposed Well)  
 PLEASANT VALLEY 14-4H-9-17 (Existing Well)

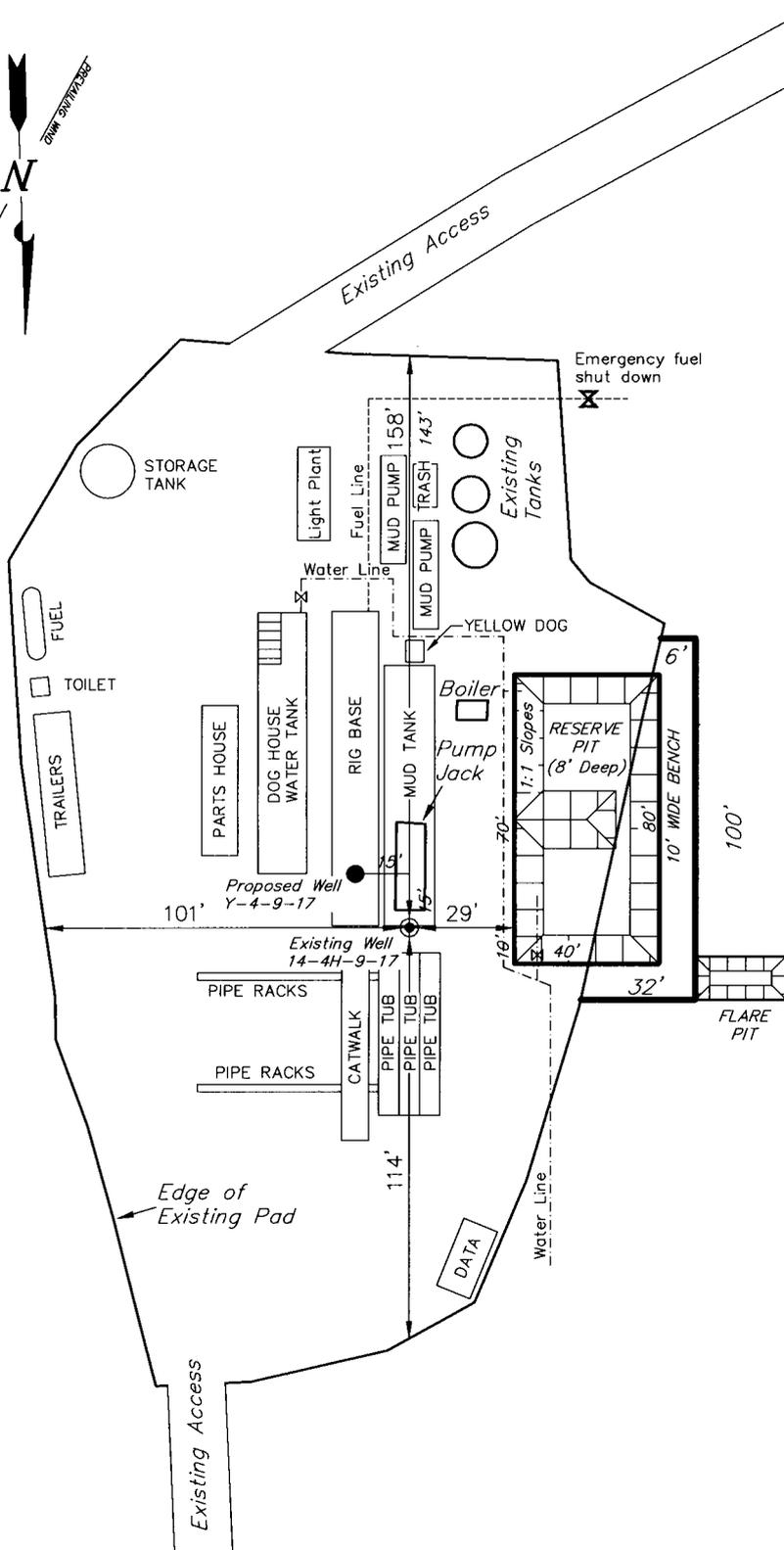
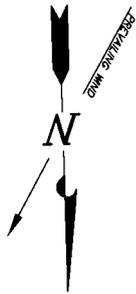
Pad Location: SWSW Section 4, T9S, R17E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED:

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

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**PLEASANT VALLEY Y-4-9-17 (Proposed Well)**  
**PLEASANT VALLEY 14-4H-9-17 (Existing Well)**



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED:

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

# wfield Production Comp Proposed Site Facility Diagram

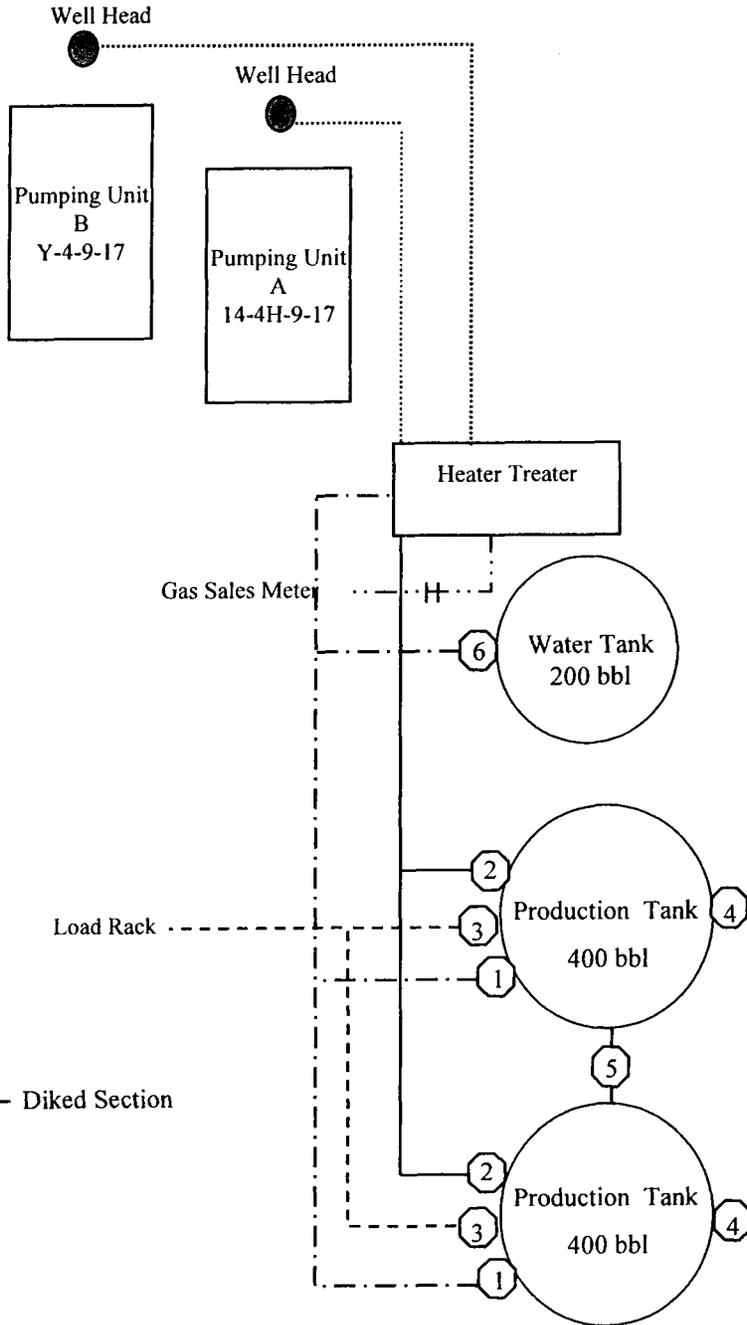
Pleasant Valley Federal Y-4-9-17

From the 14-4H-9-17 Location

SW/SW Sec. 4 T9S, 17E

Duchesne County, Utah

UTU-7978



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

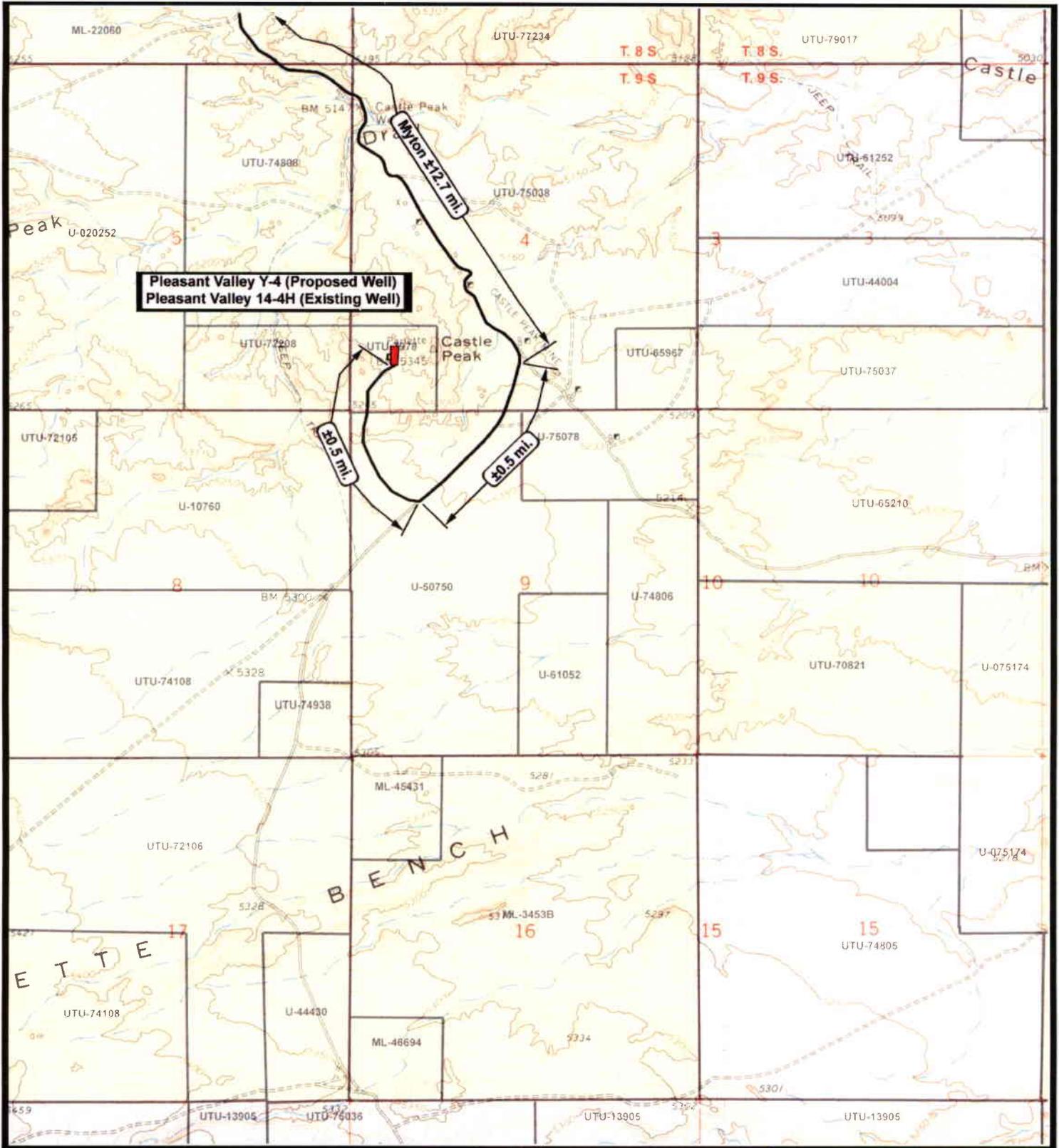
**Draining Phase:**

- 1) Valves 1 and 6 open

**Legend**

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





**Pleasant Valley Y-4 (Proposed Well)**  
**Pleasant Valley 14-4H (Existing Well)**

**NEWFIELD**  
Exploration Company

**Pleasant Valley Y-4-9-17 (Proposed Well)**  
**Pleasant Valley 14-4H-9-17 (Existing Well)**  
 Pad Location: SWSW Sec. 4, T9S, R17E, S.L.B.&M.



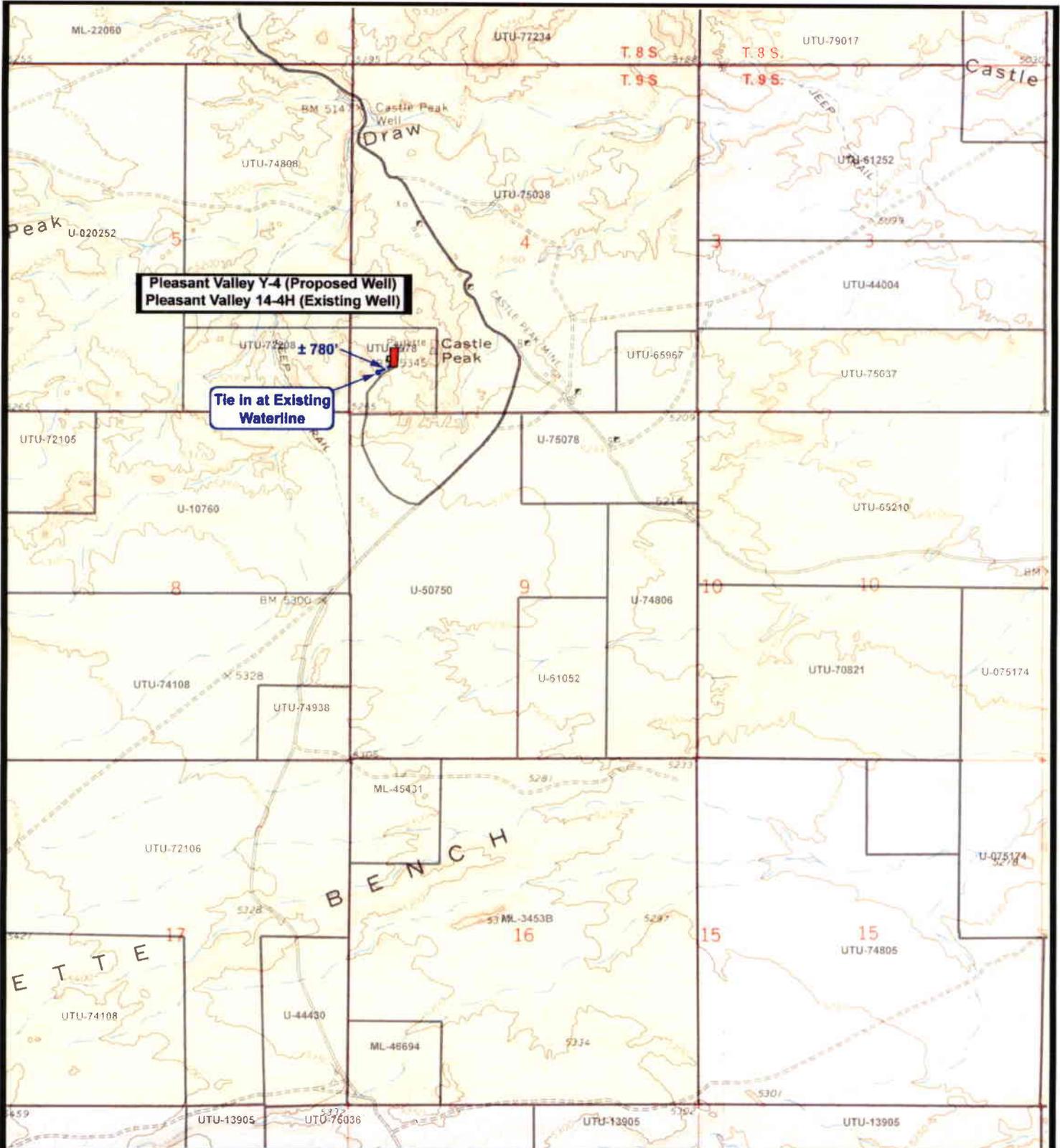
**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 10-01-2007

**Legend**

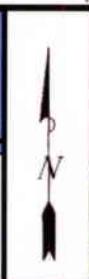
Existing Road

TOPOGRAPHIC MAP  
**"B"**



 **NEWFIELD**  
Exploration Company

**Pleasant Valley Y-4-9-17 (Proposed Well)**  
**Pleasant Valley 14-4H-9-17 (Existing Well)**  
 Pad Location: SWSW Sec. 4, T9S, R17E, S.L.B.&M.



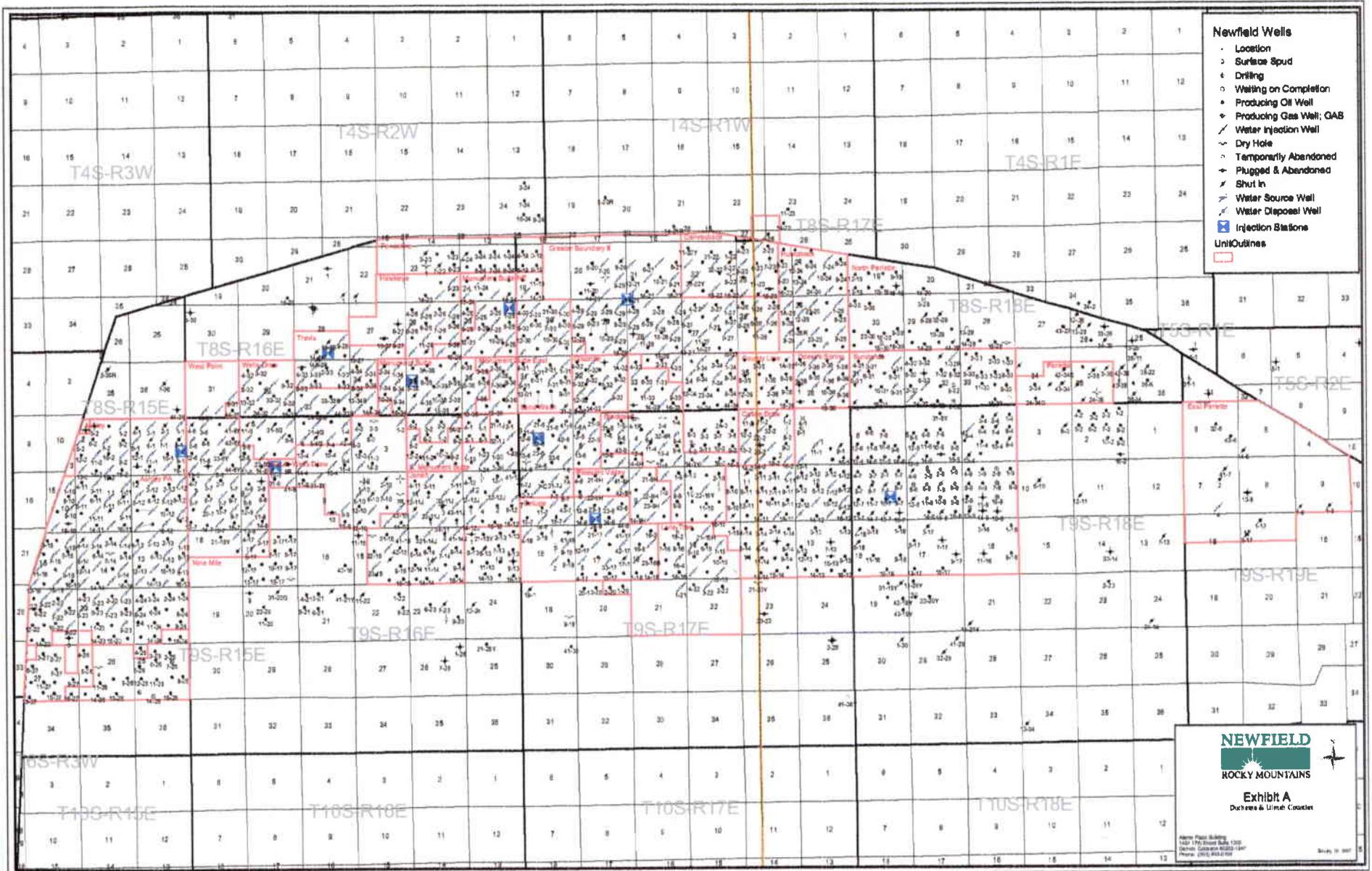
 **Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 10-01-2007

**Legend**

-  Roads
-  Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**



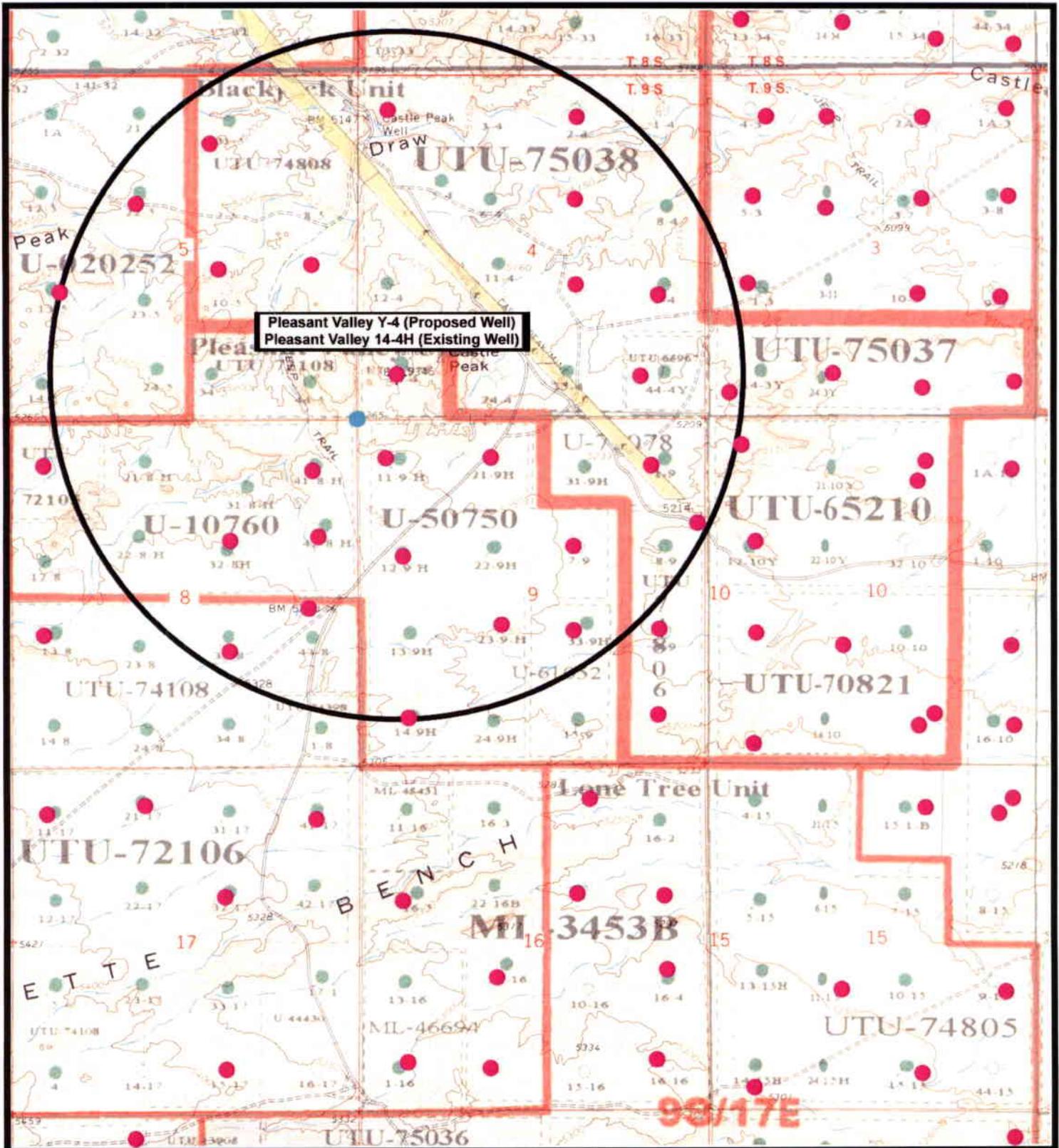
- Newfield Wells**
- Location
  - Surface Spud
  - ⊕ Drilling
  - Waiting on Completion
  - ⊕ Producing Oil Well
  - ⊕ Producing Gas Well; OAB
  - ⊕ Water Injection Well
  - ⊕ Dry Hole
  - ⊕ Temporarily Abandoned
  - ⊕ Plugged & Abandoned
  - ⊕ Shut In
  - ⊕ Water Source Well
  - ⊕ Water Disposal Well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

**NEWFIELD**  
 ROCKY MOUNTAINS

**Exhibit A**  
 Ductree & Urine Couster

Alpha Paper Station  
 1421 19th Street, Suite 1300  
 Denver, Colorado 80202-1347  
 Phone: (303) 462-1100

Scale: 1" = 400'



Pleasant Valley Y-4 (Proposed Well)  
 Pleasant Valley 14-4H (Existing Well)



**NEWFIELD**  
 Exploration Company

**Pleasant Valley Y-4-9-17 (Proposed Well)**  
**Pleasant Valley 14-4H-9-17 (Existing Well)**  
 Pad Location: SWSW Sec. 9, T9S, R17E, S.L.B.&M.




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

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 10-01-2007

**Legend**

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

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

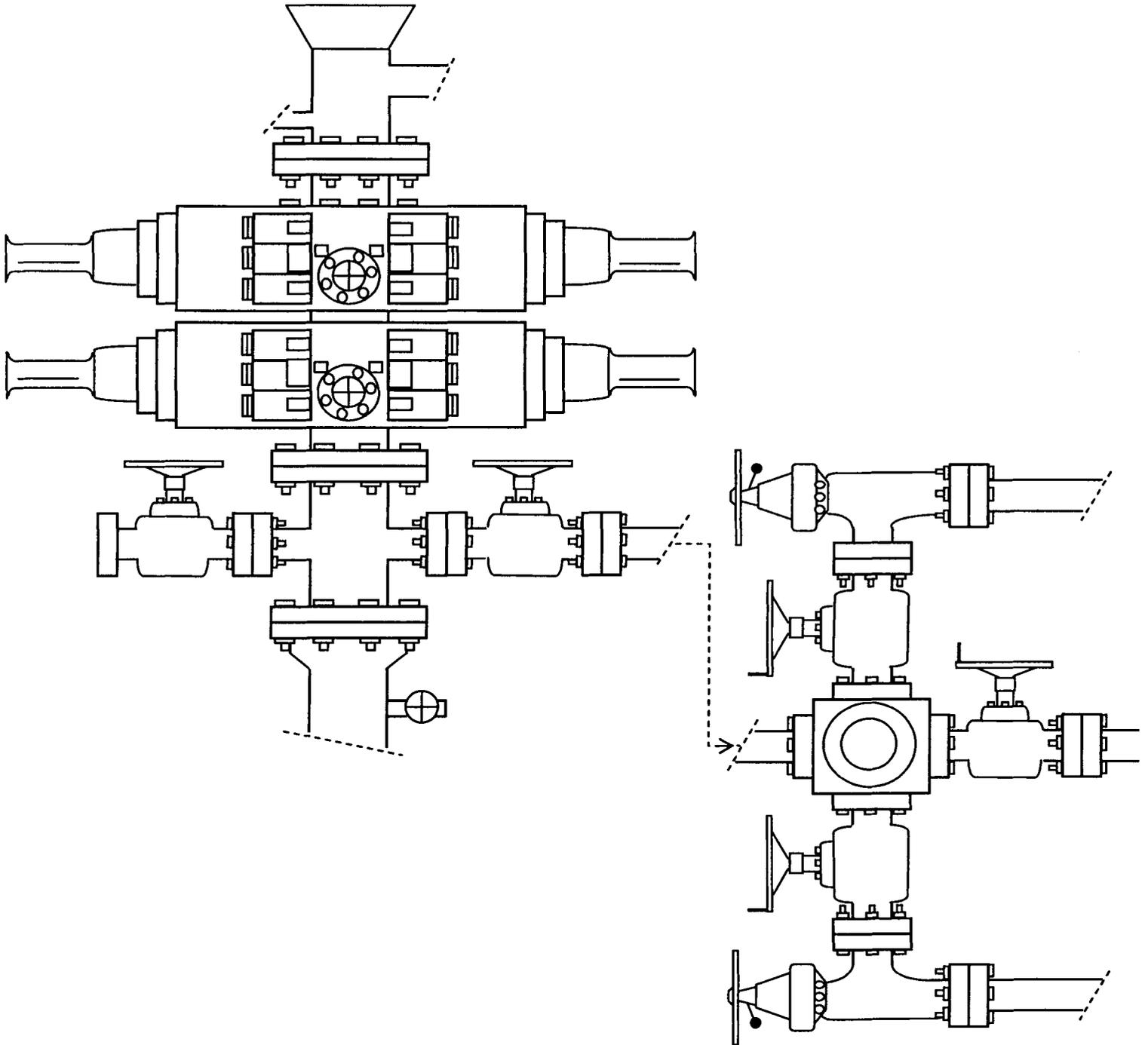


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S TEN PROPOSED  
WATERLINES: GB II G-29-8-17, GB II K-28-8-17,  
GB II I-27-8-17, JU L-14-9-16, JU M-14-9-16,  
SW Q-31-8-17, MB F-36-8-16, WD I-4-9-16,  
PV Y-4-9-17, AND PV Q-9-9-17,  
DUCHESNE AND UINTAH COUNTIES, UTAH

By:

Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
and  
State of Utah  
School and Institutional  
Trust Lands Administration

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 219  
Moab, Utah 84532

MOAC Report No. 07-350

October 23, 2007

United States Department of Interior (FLPMA)  
Permit No. 07-UT-60122

State of Utah Public Lands Policy  
Archaeological Survey Permit No. 117

State of Utah Antiquities Project (Survey)  
Permit No. U-07-MQ-1251b,s

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**NEWFIELD EXPLORATION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
GAS AND WATER PIPELINE TIE-INS**

**14-9H-9-17 (SW 1/4, SW 1/4, Sec. 9, T 9 S, R 17 E); 14-4H-9-17  
(SW 1/4, SW 1/4, Sec. 4, T 9 S, R 17 E); II 8-28-8-17 (SE 1/4, NE 1/4, Sec. 28, T 8 S, R 17E);  
II 8-27-8-17 (SE 1/4, NE 1/4, Sec. 27, T 8 S, R 17 E); 4-29-8-17 (NW 1/4, NW 1/4, Sec. 29,  
T 8 S, R 17 E); 12-31-8-17 (NW 1/4, SW 1/4, Sec. 31, T 8 S, R 17 E); 8-14-9-16 (SE 1/4, NE  
1/4, Sec. 14, T 9 s, R 16 E); 6-14-9-16 (SE 1/4, NW 1/4, Sec. 14, T 9 S, R 16 E); 42-4G-9-16  
(SE 1/4, NE 1/4, Sec. 4, T 9 S, R 16 E)**

**Duchesne County, Utah**

**REPORT OF SURVEY**

Prepared for:

**Newfield Exploration Company**

Prepared by:

Wade E. Miller  
October 30, 2007

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. <b>UTU-7978</b>
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 <b>Newfield Production Company</b>		7. If Unit or CA Agreement, Name and No. <b>Pleasant Valley Unit</b>
3a. Address <b>Route #3 Box 3630, Myton UT 84052</b>		8. Lease Name and Well No. <b>Pleasant Valley Federal Y-4-9-17</b>
3b. Phone No. (include area code) <b>(435) 646-3721</b>		9. API Well No. <b>43-013-33809</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SW/SW 787' FSL 667' FWL</b> At proposed prod. zone <b>SW/SW 0' FSL 0' FWL</b>		10. Field and Pool, or Exploratory <b>Monument Butte</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximatley 13.7 miles southeast of Myton, Utah</b>		11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec. 4, T9S R17E</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>Approx. 0' f/lse, 1320' f/unit</b>	16. No. of Acres in lease <b>40.00</b>	17. Spacing Unit dedicated to this well <b>20 Acres</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>Approx. 1453'</b>	19. Proposed Depth <b>6100'</b>	20. BLM/BIA Bond No. on file <b>WYB000493</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5249' GL</b>	22. Approximate date work will start* <b>1st Quarter 2008</b>	23. Estimated duration <b>Approximately seven (7) days from spud to rig release.</b>

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) <b>Mandie Crozier</b>	Date <b>10/26/07</b>
Title <b>Regulatory Specialist</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>11-29-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

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

583765X  
44340984  
40.054860  
-11D.017932

BHL

583562X  
44338554  
40.052691  
-11D.020341

Federal Approval of this  
Action is Necessary

RECEIVED  
NOV 20 2007  
DIV. OF OIL, GAS & MINING



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/20/2007

API NO. ASSIGNED: 43-013-33809

WELL NAME: PLEASANT VLY FED Y-4-9-17  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

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

SWSW 04 090S 170E  
 SURFACE: 0787 FSL 0667 FWL  
 BOTTOM: 0000 FSL 0000 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.05486 LONGITUDE: -110.0179  
 UTM SURF EASTINGS: 583765 NORTHINGS: 4434098  
 FIELD NAME: MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-7978  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

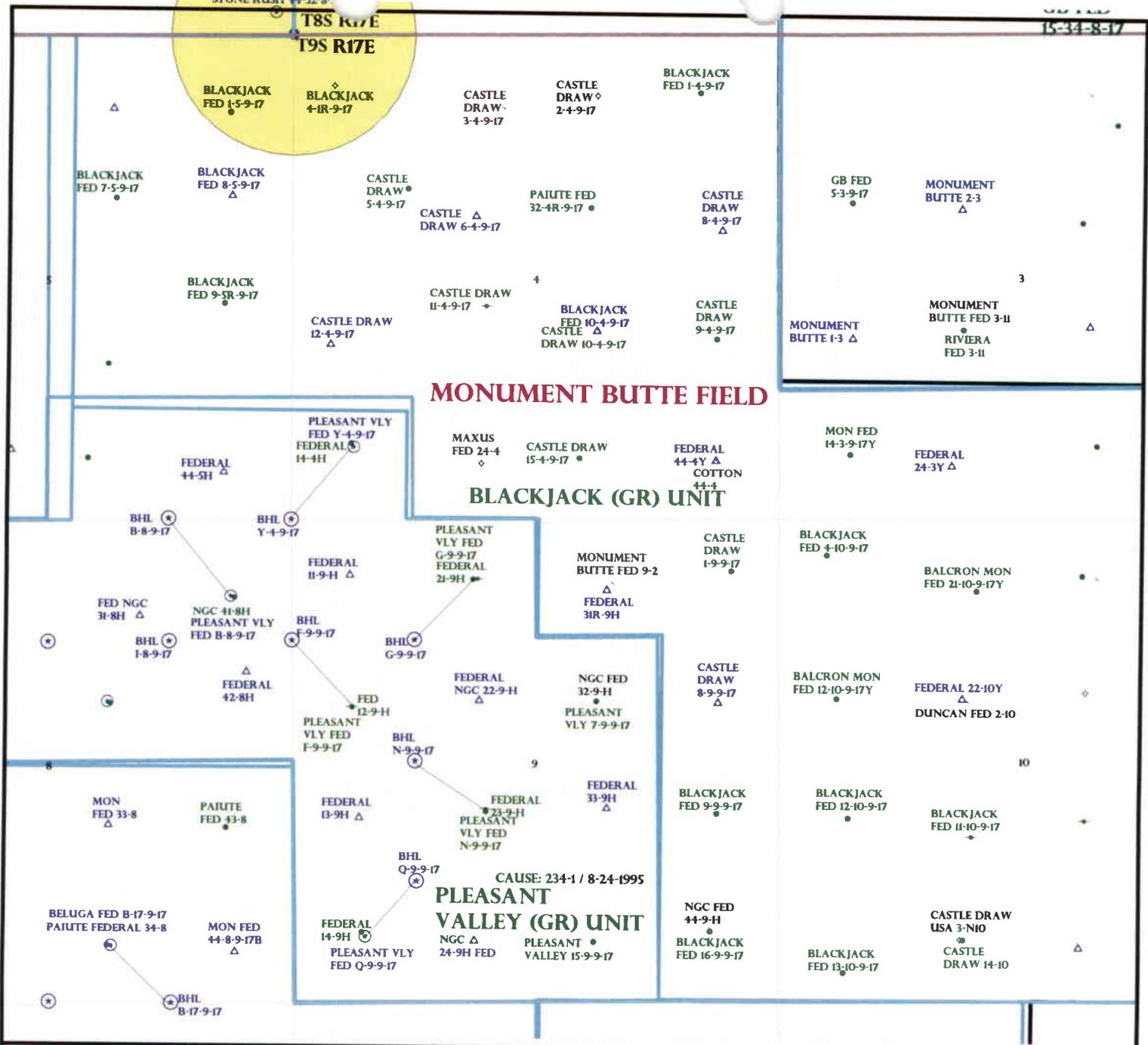
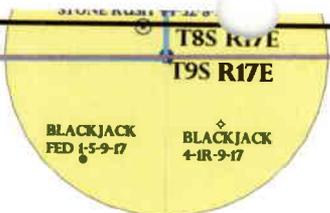
- R649-2-3.
- Unit: PLEASANT VALLEY (GR)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 234-1  
Eff Date: 8-24-1995  
Siting: 460' fr. + 14' 8920' fr other wells
- R649-3-11. Directional Drill

COMMENTS:

*Sup. Separate PL*

STIPULATIONS:

*1-10-07 Approved*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 4,9 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 234-1 / 8-24-1995

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	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: 29-NOVEMBER-2007

# 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)

November 29, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Pleasant Valley  
Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Pleasant Valley Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Green River)

43-013-33809 Pleasant Valley Fed Y-4-9-17 Sec 04 T09S R17E 0787 FSL 0667 FWL  
BHL Sec 04 T09S R17E 0000 FSL 0000 FWL

43-013-33813 Pleasant Valley Fed Q-9-9-17 Sec 09 T09S R17E 0718 FSL 0763 FWL  
BHL Sec 09 T09S R17E 1318 FSL 1318 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Pleasant Valley Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:11-29-07



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*

November 29, 2007

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

Re: Pleasant Valley Federal Y-4-9-17 Well, Surface Location 787' FSL, 667' FWL, SW SW, Sec. 4, T. 9 South, R. 17 East, Bottom Location 000' FSL, 000' FWL, SW SW, Sec. 4, 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 43-013-33809.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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



**Operator:** \_\_\_\_\_ Newfield Production Company  
**Well Name & Number** \_\_\_\_\_ Pleasant Valley Federal Y-4-9-17  
**API Number:** \_\_\_\_\_ 43-013-33809  
**Lease:** \_\_\_\_\_ UTU-7978

**Surface Location:** SW SW      **Sec. 4**      **T. 9 South**      **R. 17 East**  
**Bottom Location:** SW SW      **Sec. 4**      **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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

UTU-7978

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

PLEASANT VALLEY

8. Well Name and No.

PLEASANT VALLEY FED Y-4-9-17

9. API Well No.

43-013-33809

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

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

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

787 FSL 667 FWL SW/SW Section 4, T9S R17E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Permit Extension**

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. This APD has not yet been approved by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10/30/08  
By: [Signature]

COPY SENT TO OPERATOR

Date: 10-30-2008  
Initials: KS

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

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

10/27/2008

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

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

RECEIVED

OCT 29 2008

DIV. OF OIL, GAS & MINING



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

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

**API:** 43-013-33809  
**Well Name:** Pleasant Valley Federal Y-4-9-17  
**Location:** SW/SW Section 4, T9S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 11/29/2007

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

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

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

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

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

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

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

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

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

Mandi Crozier  
Signature

10/27/2008  
Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

RECEIVED  
OCT 29 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 <del>40760</del> 7978
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. Pleasant Valley Unit
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Pleasant Valley Federal Y-4-9-17
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SW 787' FSL 667' FWL (Sec. 4, T9S R17E) At proposed prod. zone 118' FNL 102' FEL (Sec. 8, T9S R17E)		9. API Well No. 43013-33809
14. Distance in miles and direction from nearest town or post office* Approximately 13.7 miles southeast of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 118' f/lease, 1438' f/unit		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 4, T9S R17E
16. No. of Acres in lease 40.00		12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres		13. State UT
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1673'		20. BLM/BIA Bond No. on file WYB000493
19. Proposed Depth 6100'		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5249' GL
22. Approximate date work will start* 2nd 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 2/19/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 03-17-09
Title Officer	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.

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\*(Instructions on reverse)

COPY SENT TO OPERATOR

Date: 3-18-2009  
Initials: KS

Federal Approval of this  
Action is Necessary

**RECEIVED**

**FEB 17 2009**

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

583532X  
4433819Y  
40.052365  
-110.026701

New BNL



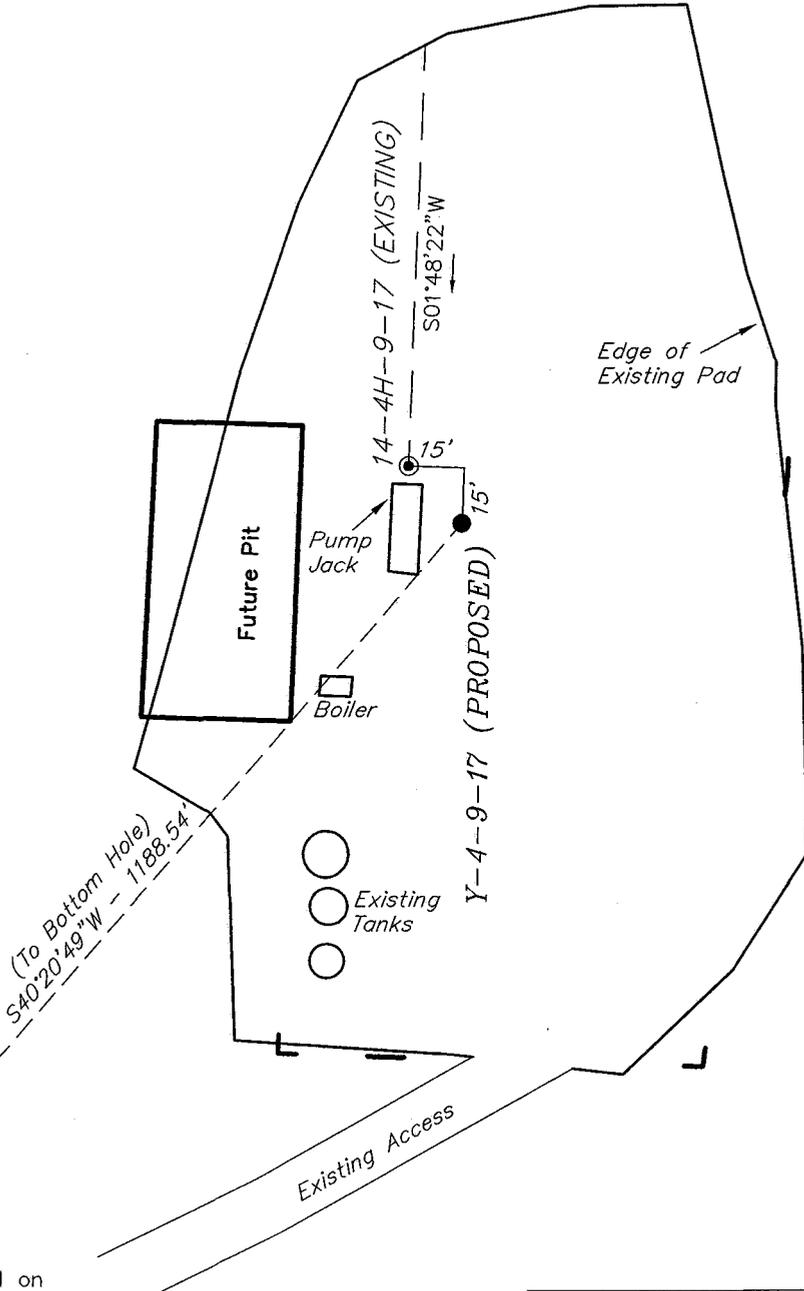
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

PLEASANT VALLEY Y-4-9-17 (Proposed Well)

PLEASANT VALLEY 14-4H-9-17 (Existing Well)

Pad Location: SWSW Section 4, T9S, R17E, S.L.B.&M.



**TOP HOLE FOOTAGES**  
 Y-4-9-17 (PROPOSED)  
 787' FSL & 667' FWL

**BOTTOM HOLE FOOTAGES**  
 Y-4-9-17 (PROPOSED)  
 118' FNL & 102' FEL

**Note:**

Bearings are based on GLO Information.

**RELATIVE COORDINATES**  
 From top hole to bottom hole

WELL	NORTH	EAST
Y-4-9-17	906'	769'

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

WELL	LATITUDE	LONGITUDE
Y-4-9-17	40° 03' 17.47"	110° 01' 07.07"
14-4H-9-17	40° 03' 17.62"	110° 01' 07.26"

SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED: L.C.S. 02-12-08

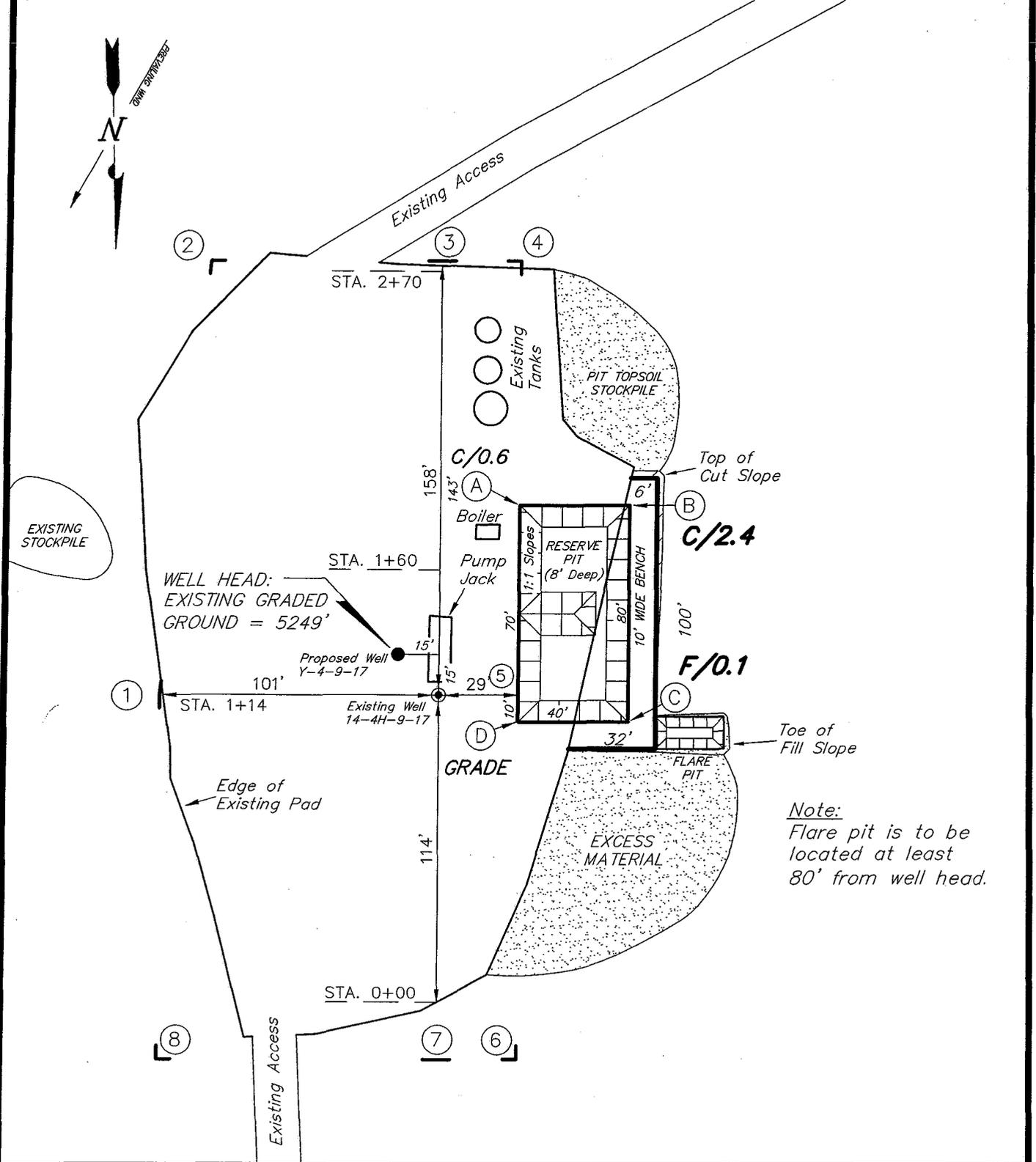
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

PLEASANT VALLEY Y-4-9-17 (Proposed Well)

PLEASANT VALLEY 14-4H-9-17 (Existing Well)

Pad Location: SWSW Section 4, 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: 08-31-07	
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07	
SCALE: 1" = 50'	REVISED:	

**Tri State**  
Land Surveying, Inc.

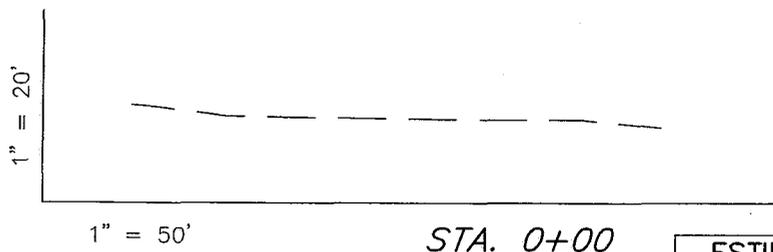
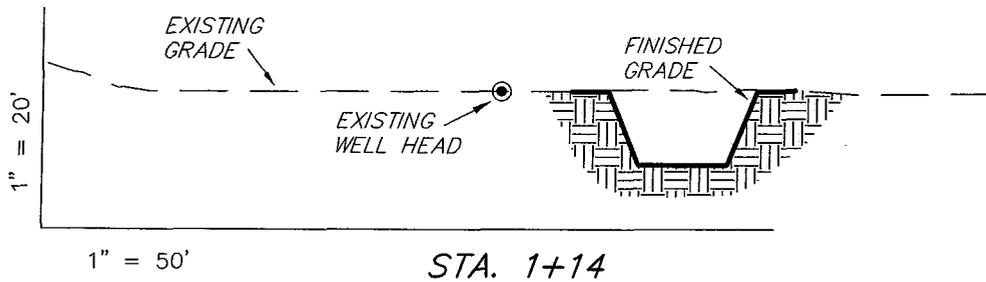
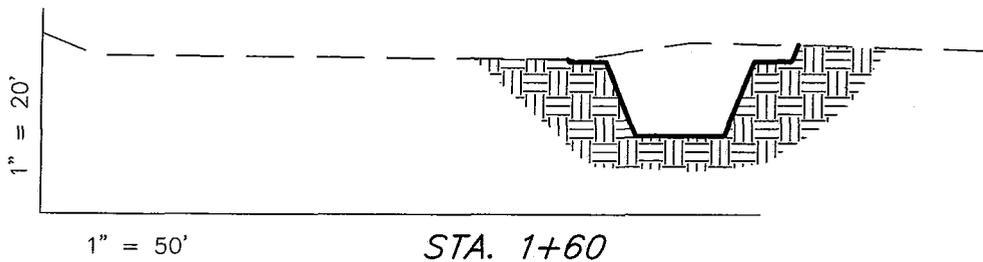
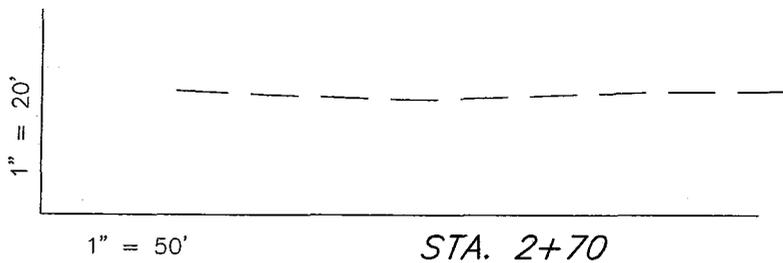
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

PLEASANT VALLEY Y-4-9-17 (Proposed Well)  
 PLEASANT VALLEY 14-4H-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	210	20	Topsoil is not included in Pad Cut	190
PIT	640	0		640
TOTALS	850	20	120	830

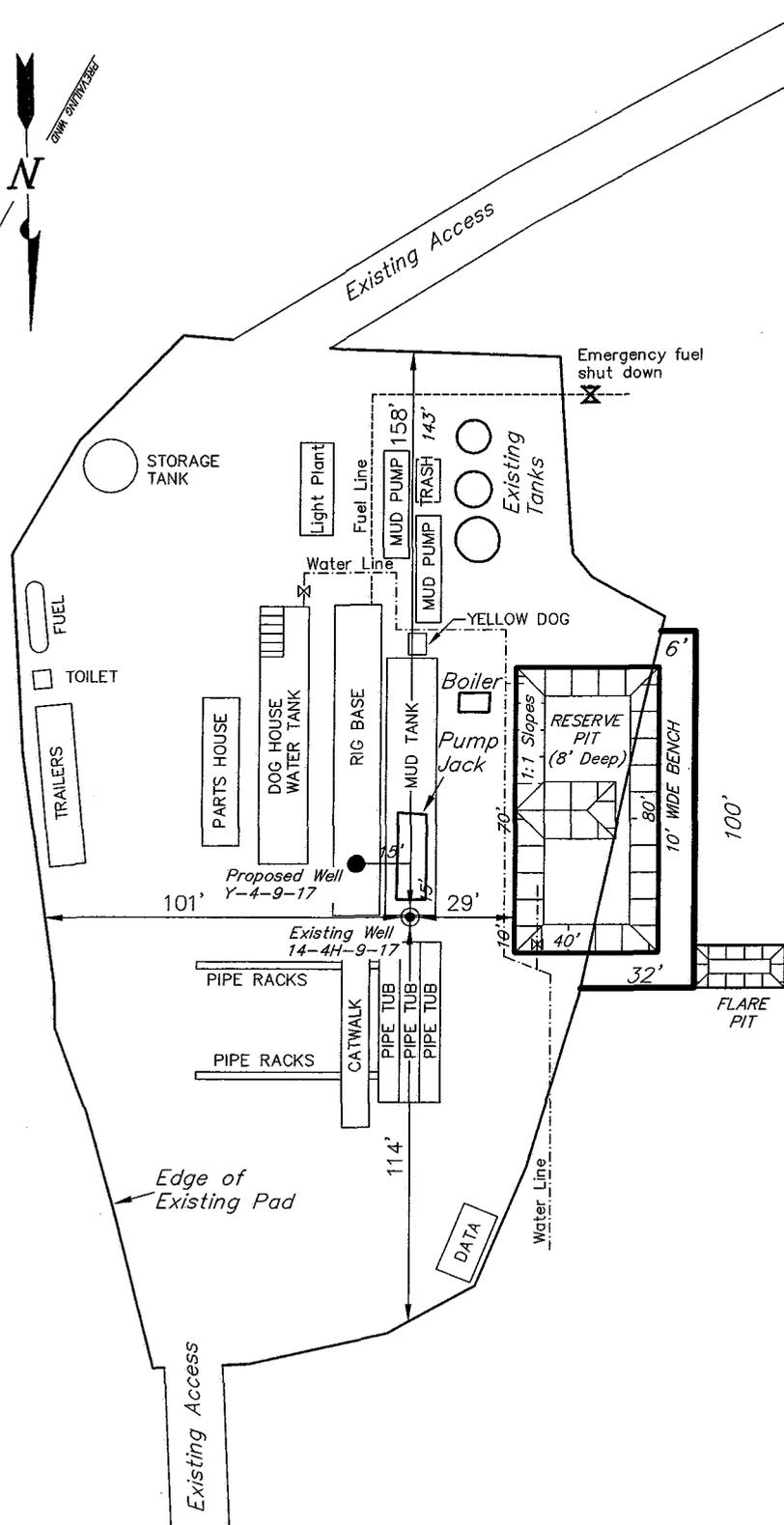
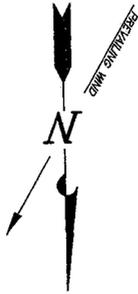
SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

PLEASANT VALLEY Y-4-9-17 (Proposed Well)  
 PLEASANT VALLEY 14-4H-9-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-31-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-19-07
SCALE: 1" = 50'	REVISED:

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



March 10, 2009

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

RE: Directional Drilling  
**Pleasant Valley Federal Y-4-9-17**  
Pleasant Valley Unit  
UTU-74477X  
Surface Hole: T9S R17E, Section 4: SW/4SW/4  
787' FSL 667' FWL  
Bottom Hole: T9S R17E, Section 8  
118' FNL 102' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated February 19, 2008, 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 Pleasant Valley Unit UTU-74477X. Newfield certifies that it is the Pleasant Valley Unit Operator and all lands within 460 feet of the entire directional well bore are within the Pleasant Valley 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,

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

Roxann Eveland  
Land Associate

RECEIVED  
MAR 16 2009  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

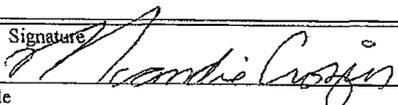
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No. UTU-10760	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. Pleasant Valley Unit	
8. Lease Name and Well No. Pleasant Valley Federal Y-4-9-17	
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 4, T9S R17E	
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximatley 13.7 miles southeast of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 118' f/lse, 1438' f/unit	16. No. of Acres in lease 40.00
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. 1673'	19. Proposed Depth 6100'
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5249' GL	22. Approximate date work will start* 2nd 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 2/19/08
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.

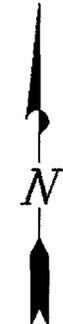
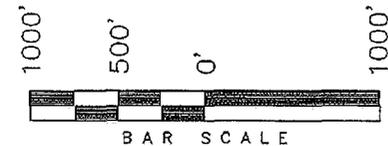
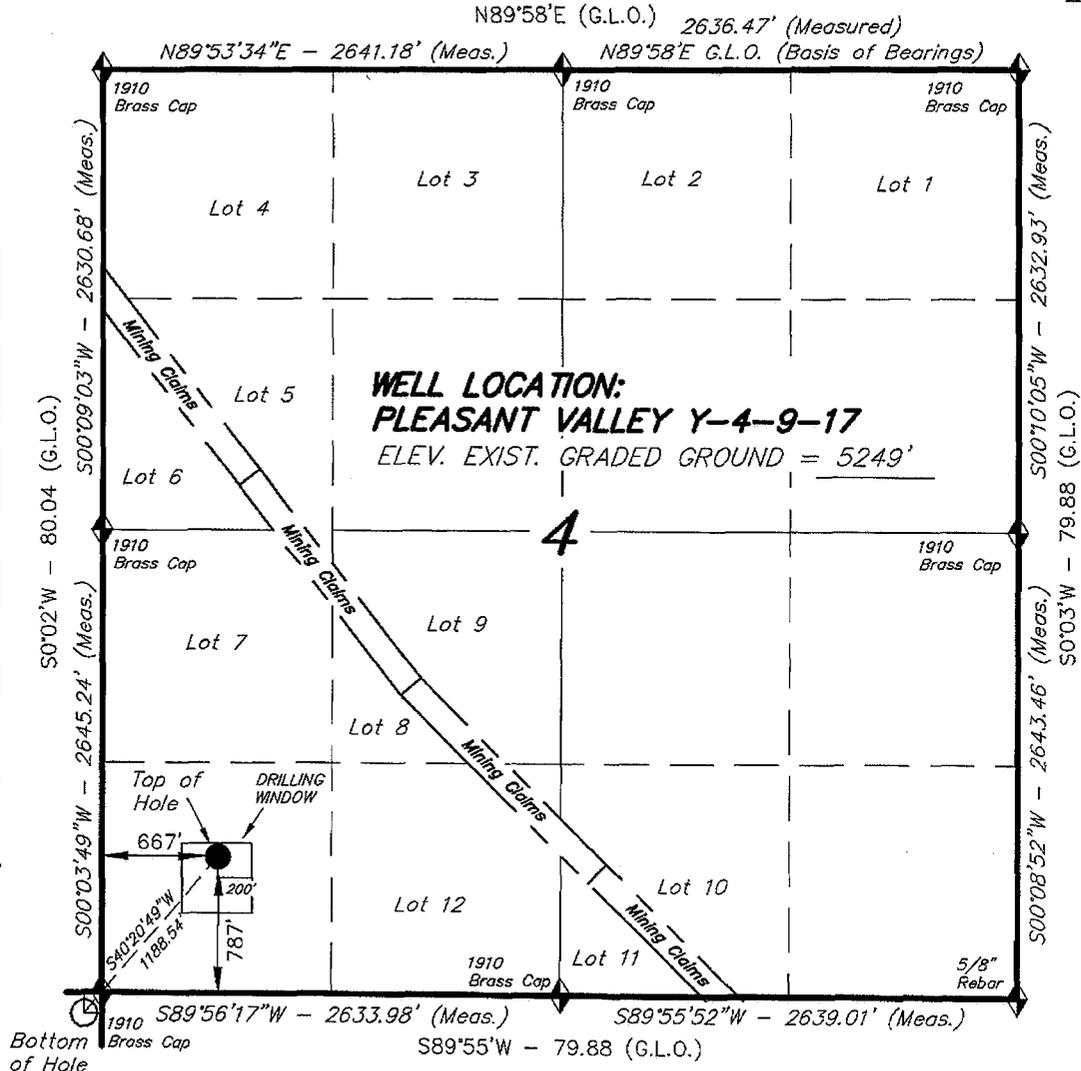
\*(Instructions on reverse)

RECEIVED  
MAR 16 2009  
DIV. OF OIL, GAS & MINING

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

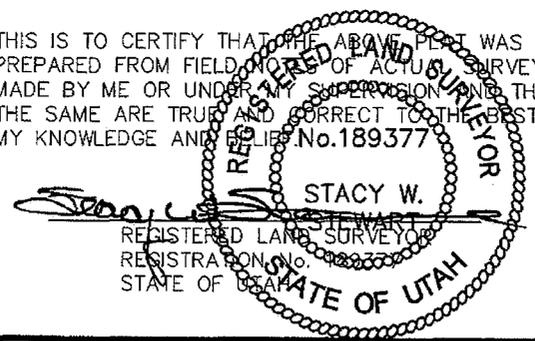
# NEWFIELD PRODUCTION COMPANY

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



**Note:**  
The bottom of hole footages  
are 118' FNL & 102' FEL of  
Section 8.

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 (MYTON SE)

**PLEASANT VALLEY Y-4-9-17**  
(Surface Location) NAD 83  
LATITUDE = 40° 03' 17.47"  
LONGITUDE = 110° 01' 07.07"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 08-31-07	SURVEYED BY: T.H.
DATE DRAWN: 09-19-07	DRAWN BY: F.T.M.
REVISED: 02-12-08 L.C.S.	SCALE: 1" = 1000'

RECEIVED

RECEIVED

NOV 20 2007

FEB 11 2009

Form 3160-3  
(September 2001)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-10760
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. Pleasant Valley Unit
8. Lease Name and Well No. Pleasant Valley Federal Y-4-9-17
9. API Well No. 43 013 33809
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 4, T9S R17E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SW 787' FSL 667' FWL (Sec. 4, T9S R17E) At proposed prod. zone 118' FNL 102' FEL (Sec. 8, T9S R17E) NENE		
14. Distance in miles and direction from nearest town or post office* Approximatley 13.7 miles southeast of Myton, Utah		17. Spacing Unit dedicated to this well 20 Acres
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 118' //lse, 1438' //unit	16. No. of Acres in lease 40.00	20. BLM/BIA Bond No. on file WYB000493
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1673'	19. Proposed Depth 6100'	23. Estimated duration Approximatley seven (7) days from spud to rig release.
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5249' GL	22. Approximate date work will start* 2nd Quarter 2008	

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 <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/19/08
Title Regulatory Specialist		

Approved by (Signature) <i>Jeff Kavel</i>	Name (Printed/Typed) Jeff Kavel	Date APR 27 2009
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

NOTICE OF APPROVAL

UDOGM

RECEIVED

APR 29 2009

DIV. OF OIL, GAS & MINING

NOS 10/9/07  
08 PP0028A



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4401



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

**Company:** Newfield Production Company      **Location:** SWSW, Sec. 4, T9S, R17E (S)  
**Well No:** Pleasant Valley Federal Y-4-9-17      **Lease No:** UTU-10760  
**API No:** 43-013-33809      **Agreement:** Pleasant Valley Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
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	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
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	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		<b>Fax: (435) 781-3420</b>	

**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)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- 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 COAs:**

**TIMING RESTRICTIONS:**

- The proposed area contains Golden Eagle habitat. With this occurrence there will be a time restriction from February 1 – July 15.

**CONDITIONS OF APPROVAL:**

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- All roads will have an 18', crowned (2 to 3% minimum), running surface. Flat-bladed roads are not allowed. All roads will have drainage ditches along both sides of road.
- All proposed pipelines (surface or buried) will be laid within one 50' wide construction ROW, parallel to the access road and existing roads; and all will be laid on one side of the road. The 50' wide construction ROW will reduce to a 30' wide permanent ROW on the lease, after construction and installation of pipelines.
- Surface pipelines will be buried at all roads and drainage crossings.

- If additional erosion occurs during the life of this project, more culverts, berms, wing ditches, low water crossings, etc. will be constructed/installed in order to control erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 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.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

Shadscale ( <i>Atriplex canescens</i> )	6 lbs/acre
Galleta grass ( <i>Hilaria jamesii</i> )	6 lbs/acre
Hycrest Crested Wheatgrass ( <i>Agropyron desertorum</i> )	6 lbs/acre

- All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- 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 lands, 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 re-contoured and the topsoil re-spread, then the area shall be seeded. *Note: Interim reclamation shall include the area of the well pad that is not needed or used for production operations.*

- Once the location is plugged and abandoned, it shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines given for interim seed mix above. And if the broadcast method is used, the seed at a minimum will be walked into the soil with a dozer, immediately after seeding.
- The authorized officer may prohibit surface disturbing activities during severe winter or wet/muddy conditions in order 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**, including the tin that the Central Tank Battery surface pipelines will be wrapped in.
- Stock-pile boulders (3 feet in length/diameter) for use during final reclamation.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Well location TD bottom footage hole location information on the completion form 3160-4 Well Completion or Recompletion Report and Log shall match and be in agreement with the from the actual drilling directional survey well departure values for the TD bottom hole location.
  - A copy of the as drilled directional survey shall be submitted to the BLM Vernal Field Office. Submit the MWD-GR survey from the directional/horizontal drilling operations, hard copy or electronically.
  - Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
  - A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.
  - Drilling plan specifics and practices are referenced in the Newfield Standard Operating Procedures (SOP version: April 18, 2008). The operators drilling plan items 4 to 8 reference the SOP. Newfield shall adhere to the referenced requirements in the SOP. Newfield and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
  - Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. 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. 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 #  
29 Submitted By Jay Burton Phone Number  
435-823-6012

Well Name/Number PV FED Y-4-9-17  
Qtr/Qtr SW/SW Section 4 Township 9S Range 17E  
Lease Serial Number UTU-10760  
API Number 43-013-33809

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

Date/Time 9/29/09 8:00 AM  PM

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

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

Date/Time 9/29/09 2:00 AM  PM

BOPE

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

Date/Time \_\_\_\_\_ AM  PM

Remarks Spud With Ross Rig #29 @ 8:00 am On 9/29/09 Run 8  
5/8" Casing @ 2:00 pm on 9/29/09

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)

787 FSL 667 FWL

SWSW Section 4 T9S R17E

5. Lease Serial No.

USA UTU-7978

6. If Indian, Allottee or Tribe Name.

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

PLEASANT VALLEY UNIT

8. Well Name and No.

PLEASANT VALLEY FEDERAL Y-4-9-17

9. API Well No.

4301333809

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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/29/09 MIRU Ross # 29. Spud well @ 9:00am. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 319.38' On 10/2/09 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 5 bbls cement to pit. WOC.

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

Don Bastian

Signature

*Don Bastian*

Title

Drilling Foreman

Date

10/03/2009

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

Approved by .....

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

Title

Date

Office

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

**RECEIVED**

(Instructions on page 2)

**OCT 07 2009**

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





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	12277 ✓	43-013-33809	Pleasant Valley Federal Y-4-9-17	SWSW	4	9S	17E	Duchesne	09/29/09	10/13/09
WELL 1 COMMENTS: <i>GRRV</i> <i>BHL = Sec 8 SWSW</i>											
A	99999	17379 ✓	43-013-34275	Ute Tribal 6-25-4-3W	SENW	25	4S	3W	Duchesne	9/29/09	10/13/09
WELL 2 COMMENTS: <i>GRRV</i>											
A	99999	17380 ✓	43-013-34274	Ute Tribal 7-25-4-3W	SWNE	25	4S	3W	Duchesne	09/26/09	10/13/09
WELL 3 COMMENTS: <i>GRRV</i>											
B	99999	12053 ✓	43-047-40019	Humpback L-25-8-17	<del>SESE</del> SENE	25	8S	17E	Uintah	10/02/09	10/13/09
WELL 4 COMMENTS: <i>GRRV</i> <i>BHL SENE</i>											
B	99999	11492 ✓	43-013-34080	<i>Fed</i> Jonah T-11-9-16	SESE	11	9S	16E	Duchesne	09/25/09	10/13/09
WELL 5 COMMENTS: <i>GRRV</i> <i>BHL = SESE</i>											
A	99999	17381 ✓	43-047-50408	Federal 8-8-6-20	SENE	8	6S	20E	Uintah	09/26/09	10/13/09
WELL 6 COMMENTS: <i>GRRV</i>											

ACTION CODES (See instructions on back of form):

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

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

RECEIVED  
 OCT 01 2009

DIV. OF OIL, GAS & MINING

*Kim Swasey*  
 Signature Kim Swasey  
 Production Analyst  
 Date: October 1, 2009

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 area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
787 FSL 667 FWL  
SWSW Section 4 T9S R17E

5. Lease Serial No.

USA UTU-7978

6. If Indian, Allottee or Tribe Name.

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

PLEASANT VALLEY UNIT

8. Well Name and No.

PLEASANT VALLEY FEDERAL Y-4-9-17

9. API Well No.

4301333809

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

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

On 10/24/09 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6130'. 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 @ 6128.73'/ KB. Cement with 291 sks cement mixed @ 11.0 ppg & 3.43 yld. The 381sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 35 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 2:00 pm 10/29/09.

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

Don Bastian

Signature *Don Bastian*

Title

Drilling Foreman

Date

10/30/2009

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

Approved by \_\_\_\_\_

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Office \_\_\_\_\_

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

**RECEIVED**

(Instructions on page 2)

NOV 02 2009

DIV. OF OIL, GAS & MINING





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-7978

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

7. UNIT or CA AGREEMENT NAME:  
PLEASANT VALLEY UNIT

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

8. WELL NAME and NUMBER:  
PLEASANT VALLEY FEDERAL Y-4-9-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333809

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 787 FSL 667 FWL

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 4, T9S, R17E

COUNTY: DUCHESNE

STATE: UT

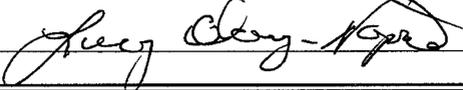
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small>  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>  Date of Work Completion: 11/25/2009	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input 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 11-25-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 12/03/2009

(This space for State use only)

**RECEIVED**  
**DEC 08 2009**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

PLSNT VLY Y-4-9-17

9/1/2009 To 1/30/2010

**11/12/2009 Day: 1**

**Completion**

Rigless on 11/12/2009 - CBL/Perferate 1st stage. - RU frac head & Cameron BoP's. RU hot oiler truck & test casing, frac head & valve & BOP's to 4500 psi. RU Perforators LLC WLT w/ mast & packoff tool. Run CBL under pressure. WLTD @ 6044' w/ cement top @ 68'. RIH w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) & perferate CP5 sds @ 5898-5902', CP1 sds @ 5652-55', 5643-45' w/ 3 spf for total of 27 shots. RD WLT & Hot Oiler. SIFN w/ 144 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$11,430

**11/20/2009 Day: 2**

**Completion**

Rigless on 11/20/2009 - Frac 5 stages & flow back. - Stage #2, LODC sands. RU BJ Services. 160 psi on well. Broke @ 2621 psi. Pump 2000 gals 15% HCL & 150 BIO- frac balls & 7080 gals fresh water. After frac balls were on perfs another brake was seen. Surge frac balls off perfs. Wait for balls to dissolve. Frac LODC sds w/ 594,948#'s of 20/40 sand in 5096 bbls of Lightning 17 fluid. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2650 psi @ ave rate of 53 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2265 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' & 3' perf guns. Set plug @ 5180'. Perforate A1 sds @ 5132-35' & A.5 sands @ 5102-10' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 5988 BWTR. - Stage #3, A1 & A.5 sands. RU BJ Services. 2025 psi on well. Well would not break. Spot acid across perfs w/ dump bailer. 1880 psi on well. Frac A1 & A.5 sds w/ 45,491#'s of 20/40 sand in 293 bbls of Lightning 17 fluid. Broke @ 3796 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2413 psi @ ave rate of 35.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2006 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 5', 3' & 3' perf guns. Set plug @ 4920'. Perforate C sds @ 4867-72', D3 sands @ 4794-97' & D1 sands @ 4714-17' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 6434 BWTR. - Stage #4, C, D3 & D1 sands. RU BJ Services. 1505 psi on well. Frac C, D3 & D1 sds w/ 14,509#'s of 20/40 sand in 123 bbls of Lightning 17 fluid. Broke @ 3366 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3476 psi @ ave rate of 27 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 2391 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 3', 6' & 4' perf guns. Set plug @ 4315'. Perforate GB6 sds @ 4258-61', 4238-44' & GB4 sands @ 4206-10' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 39 shots. 6704 BWTR - Stage #1, CP5 & CP1 sands. RU BJ Services. 100 psi on well. Frac CP5 & CP1 sds w/ 19,900#'s of 20/40 sand in 174 bbls of Lightning 17 fluid. Broke @ 3796 psi. Pumped 250 gals of 15% HCL. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2987 psi @ ave rate of 46.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 1911 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, seven 4' perf guns. Set plug @ 5550'. Perforate LODC sds @ 5508-12', 5468-72', 5438-42', 5396-5400', 5361-65', 5336-40', 5300-04' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 84 shots. 516 BWTR. - Stage #5, GB6 & GB4 sands. RU BJ Services. 1615 psi on well. Frac GB6 & GB4 sds w/ 53,843#'s of 20/40 sand in 327 bbls of Lightning 17 fluid. Broke @ 1906 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib

767W. Treated w/ ave pressure of 3257 psi @ ave rate of 43.3 BPM. ISDP 1813 psi. 7160 BWTR. Open well for immediate flow back @ 3 BPM. Well flowed for 13 hours & turned to oil. Recovered 1872 bbls. 5288 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$194,489

**11/22/2009 Day: 3**

**Completion**

WWS #1 on 11/22/2009 - MIRU WWS #1. Set kill plug @ 4150'. PU bit, bit sub & tbg. - MIRU WWS #1. Check pressure on well, 500 psi. RU hot oil truck & pump 20 BW down csg @ 200°. RU Perforators LLC WLT. RIH w/ Weatherford solid composite plug & set plug @ 4150'. POOH w/ WL, RD WLT. Bleed pressure off well. ND frac BOPs & frac wellhead. NU production wellhead & BOPs. RU rig floor. Talley & PU 4 3/4" chomp bit, bit sub & 60- jts 2 7/8" J-55 6.5# 8rd EUE tbg. RU pump & pump lines. Circulate oil from well bore. Drain pump & pump lines. SWIFN. 5308 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$208,225

**11/23/2009 Day: 4**

**Completion**

WWS #1 on 11/23/2009 - PU tbg & drill out plugs. - Check pressure on well, 0 psi. Continue PU tbg. Tag kill plug @ 4150'. RU pump & power swivel. Drill out plug in 15 min. PU tbg & tag fill @ 4225', clean out to plug @ 4315'. Drill out plug in 15 min. Continue PU tbg & tag plug @ 4920'. Drill out plug in 30 min. Continue PU tbg & tag plug @ 5180'. Drill out plug in 28 min. Continue PU tbg & tag fill @ 5427', clean out to plug @ 5550'. Drill out plug in 30 min. Circulate well clean. Drain pump & pump lines. Recovered 200 BW. 5108 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$275,495

**11/25/2009 Day: 6**

**Completion**

WWS #1 on 11/25/2009 - Kill well, run production & PU rods. - Check pressure on well, 400 psi tbg & csg. RU pump & circulate well for 1 1/2 hours to kill. Continue PU tbg & tag fill @ 5947'. Clean out to PBDT @ 6085'. Circulate well clean. RD power swivel. LD 2- jts tbg & place EOT @ 6020'. Shut in csg & let well flow up tbg. Recovered 160 bbls. Circulate well for 1 1/2 hours, unable to kill well. RU to flow to the production tanks. Recovered total of 380 bbls. 4728 BWTR. - Check pressure on well, 400 psi tbg & csg. RU pump & circulate well for 1 1/2 hours to kill. Continue PU tbg & tag fill @ 5947'. Clean out to PBDT @ 6085'. Circulate well clean. RD power swivel. LD 2- jts tbg & place EOT @ 6020'. Shut in csg & let well flow up tbg. Recovered 160 bbls. Circulate well for 1 1/2 hours, unable to kill well. RU to flow to the production tanks. Recovered total of 380 bbls. 4728 BWTR. - Check pressure on well, 500 psi csg, tbg flowing 150 psi. RU rig pump & circulate well w/ 200 bbls 10# brine water. PU 4- jts tbg & tag PBDT @ 6085'. TOOH w/ 183- jts tbg, bit sub & bit. TIH w/ tbg as follows: NC, 2- jts tbg, SN, 1- jt tbg, TAC & 180- jts 2 7/8" J-55 6.5# 8rd EUE tbg. RD rig floor. ND BOPs. Set TAC @ 5862' w/ 18,000#s tension. NU wellhead. X-over for rods. Flush tbg w/ 60 bbls 10# brine water. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 20' X 24' RHAC rod pump. PU & TIH w/ rods as follows: 4- 1 1/2" wt rods, 231- 7/8" guided rods (8 per), 1- 2' X 7/8" pony rod & 1 1/2" X 30' polished rod. RU pumping unit. Fill tbg w/ 2 BW. Stroke test pump w/ unit to 800 psi. PWOP @ 5:00 pm w/ 144" SL & 5 SPM. 4670 BWTR. - Check pressure on well, 500 psi csg, tbg flowing 150 psi. RU rig pump & circulate well w/ 200 bbls 10# brine water. PU 4- jts tbg & tag PBDT @ 6085'. TOOH w/ 183- jts tbg, bit sub & bit. TIH w/ tbg as follows: NC, 2- jts tbg, SN, 1- jt tbg, TAC & 180- jts 2 7/8" J-55 6.5# 8rd EUE tbg. RD rig floor. ND BOPs. Set TAC @ 5862' w/ 18,000#s tension. NU wellhead. X-over for rods. Flush tbg w/ 60 bbls 10#

brine water. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 20' X 24' RHAC rod pump. PU & TIH w/ rods as follows: 4- 1 1/2" wt rods, 231- 7/8" guided rods (8 per), 1- 2' X 7/8" pony rod & 1 1/2" X 30' polished rod. RU pumping unit. Fill tbg w/ 2 BW. Stroke test pump w/ unit to 800 psi. PWOP @ 5:00 pm w/ 144" SL & 5 SPM. 4670 BWTR. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$304,699

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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-7978

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

6. If Indian, Allottee or Tribe Name  
NA  
 7. Unit or CA Agreement Name and No.  
GBMU CTB8  
 8. Lease Name and Well No.  
PLEASANT VALLEY FEDERAL Y-4-9-17

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

9. AFI Well No.  
43-013-33809

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 787' FSL & 667' FWL (SW/SW) SEC. 4, T9S, R17E

At top prod. interval reported below 141' FNL & 115' FEL (NE/NE)

At total depth 6130' 141' fnl 115' fel per HSM review

10. Field and Pool or Exploratory  
MONUMENT BUTTE  
 11. Sec., T., R., M., on Block and  
Survey or Area SEC. 4, T9S, R17E

12. County or Parish DUCHESNE  
 13. State UT

14. Date Spudded 09/29/2009  
 15. Date T.D. Reached 10/29/2009  
 16. Date Completed 11/25/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5249' GL 5261' KB

18. Total Depth: MD 6130' TVD 5985'  
 19. Plug Back T.D.: MD 6085' TVD 5943'

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#		315'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6129'		291 PRIMLITE		68'	
						381 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@ 5964'	TA @ 5862'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SEE BELOW			SEE BELOW			
B)			4230-5902			
C)						
D)						

4230-5902

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

Depth Interval	Amount and Type of Material
SEE BELOW	SEE BELOW

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
11/25/09	12/07/09	24	→	38	0	13			2-1/2" x 1-3/4" x 24' 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	
			→						

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\*(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	3712' 3910'
				GARDEN GULCH 2 POINT 3	4022' 4288'
				X MRKR Y MRKR	4530' 4564'
				DOUGALS CREEK MRK BI CARBONATE MRK	4692' 4913'
				B LIMESTON MRK CASTLE PEAK	5030' 5588'
				BASAL CARBONATE	6015'

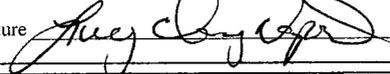
32. Additional remarks (include plugging procedure):

- Stage 1: (CP5 & CP1) CP5: 5898-5902, CP1: 5643-5655' .49" 3/27 Frac w/ 19900#'s of 20/40 sand in 174 bbls of Lightning 17 fluid
- Stage 2: (LODC) 5300-5472' .34" 3/84 Frac w/ 594948#'s of 20/40 sand in 5096 bbls of Lightning 17 fluid
- Stage 3: (A1 & A.5) A1: 5132-5135', A.5: 5102-5110' .34" 3/33 Frac w/ 45491#'s of 20/40 sand in 293 bbls of Lightning 17 fluid
- Stage 4: (C, D3 & D1) C: 4867-4872, D3: 4794-4797, D1: 4714-4717' .34" 3/33 Frac w/ 14509#'s of 20/40 sand in 123 bbls of Lightning 17 fluid
- Stage 5: (GB6 & GB4) GB6: 4238-4261', GB4: 4206-4210' .34" 3/39 Frac w/ 53843#'s of 20/40 sand in 327 bbls of Lightning 17 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) Lucy Chavez-Naupoto Title Administrative Assistant  
 Signature  Date 12/08/2009

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 EXPLORATION**

**USGS Myton SW (UT)  
SECTION 4 T9S R17E  
Y-4-9-17**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**12 November, 2009**

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



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T9S R17E  
**Well:** Y-4-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well Y-4-9-17  
**TVD Reference:** Y-4-9-17 @ 5261.0ft (NEWFIELD RIG)  
**MD Reference:** Y-4-9-17 @ 5261.0ft (NEWFIELD RIG)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** 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

**Site** SECTION 4 T9S R17E  
**Site Position:** Northing: 7,194,100.00ft Latitude: 40° 3' 36.542 N  
**From:** Lat/Long Easting: 2,057,000.00ft Longitude: 110° 0' 41.593 W  
**Position Uncertainty:** 0.0 ft Slot Radius: " Grid Convergence: 0.95 °

**Well** Y-4-9-17, SHL LAT: 40 03 17.47, LONG: -110 01 07.07  
**Well Position** +N/-S 0.0 ft Northing: 7,192,137.62 ft Latitude: 40° 3' 17.470 N  
 +E/-W 0.0 ft Easting: 2,055,051.45 ft Longitude: 110° 1' 7.070 W  
**Position Uncertainty** 0.0 ft Wellhead Elevation: 5,261.0 ft Ground Level: 5,249.0 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 (nT)</b>
	IGRF200510	2009/10/15	11.49	65.86	52,479

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	220.33	

<b>Survey Program</b>	Date 2009/11/12				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
356.0	6,130.0	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>SECTION LINES</b>									
356.0	0.68	187.93	356.0	-2.1	-0.3	1.8	0.19	0.19	0.00
508.0	0.84	205.00	508.0	-4.0	-0.9	3.6	0.18	0.11	11.23
539.0	0.48	202.54	539.0	-4.3	-1.0	4.0	1.16	-1.16	-7.94
569.0	0.90	205.00	569.0	-4.7	-1.2	4.3	1.40	1.40	8.20
600.0	1.03	204.06	600.0	-5.1	-1.4	4.8	0.42	0.42	-3.03
630.0	1.34	217.59	630.0	-5.7	-1.7	5.4	1.39	1.03	45.10
661.0	2.09	220.69	660.9	-6.4	-2.3	6.3	2.44	2.42	10.00
691.0	2.46	233.52	690.9	-7.2	-3.2	7.5	2.09	1.23	42.77
722.0	2.79	236.38	721.9	-8.0	-4.3	8.9	1.14	1.06	9.23
753.0	3.25	231.35	752.9	-8.9	-5.7	10.5	1.71	1.48	-16.23
783.0	3.45	229.28	782.8	-10.1	-7.0	12.2	0.78	0.67	-6.90



Company: NEWFIELD EXPLORATION  
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 Design: Wellbore #1

Local Co-ordinate Reference: Well Y-4-9-17  
 TVD Reference: Y-4-9-17 @ 5261.0ft (NEWFIELD RIG)  
 MD Reference: Y-4-9-17 @ 5261.0ft (NEWFIELD RIG)  
 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)
814.0	2.97	230.40	813.8	-11.2	-8.3	13.9	1.56	-1.55	3.61
844.0	3.36	227.39	843.7	-12.3	-9.6	15.6	1.41	1.30	-10.03
875.0	3.27	227.20	874.7	-13.5	-10.9	17.3	0.29	-0.29	-0.61
907.0	3.71	225.81	906.6	-14.8	-12.3	19.3	1.40	1.38	-4.34
938.0	3.91	224.54	937.5	-16.3	-13.8	21.3	0.70	0.65	-4.10
970.0	4.37	222.36	969.4	-18.0	-15.4	23.6	1.52	1.44	-6.81
1,002.0	4.46	222.47	1,001.3	-19.8	-17.0	26.1	0.28	0.28	0.34
1,034.0	4.99	225.90	1,033.2	-21.7	-18.9	28.7	1.88	1.66	10.72
1,065.0	5.38	222.01	1,064.1	-23.7	-20.8	31.5	1.69	1.26	-12.55
1,097.0	5.81	222.88	1,096.0	-26.0	-22.9	34.6	1.37	1.34	2.72
1,129.0	6.04	224.71	1,127.8	-28.4	-25.2	37.9	0.93	0.72	5.72
1,160.0	6.22	224.27	1,158.6	-30.7	-27.5	41.2	0.60	0.58	-1.42
1,192.0	6.61	220.78	1,190.4	-33.4	-29.9	44.8	1.72	1.22	-10.91
1,224.0	7.40	218.76	1,222.2	-36.4	-32.4	48.7	2.59	2.47	-6.31
1,255.0	7.87	220.21	1,252.9	-39.5	-35.0	52.8	1.64	1.52	4.68
1,287.0	8.15	219.72	1,284.6	-43.0	-37.9	57.3	0.90	0.88	-1.53
1,319.0	8.72	215.81	1,316.2	-46.7	-40.8	62.0	2.53	1.78	-12.22
1,351.0	9.30	216.06	1,347.8	-50.7	-43.7	67.0	1.82	1.81	0.78
1,382.0	9.54	218.03	1,378.4	-54.8	-46.8	72.0	1.30	0.77	6.35
1,414.0	10.37	216.80	1,409.9	-59.2	-50.1	77.6	2.68	2.59	-3.84
1,446.0	10.74	218.14	1,441.4	-63.8	-53.7	83.4	1.39	1.16	4.19
1,477.0	11.60	216.89	1,471.8	-68.6	-57.4	89.4	2.88	2.77	-4.03
1,509.0	11.93	217.37	1,503.1	-73.8	-61.3	95.9	1.08	1.03	1.50
1,541.0	12.33	220.64	1,534.4	-79.0	-65.5	102.6	2.48	1.25	10.22
1,572.0	12.81	219.55	1,564.7	-84.2	-69.9	109.4	1.73	1.55	-3.52
1,604.0	13.14	218.25	1,595.9	-89.8	-74.4	116.6	1.38	1.03	-4.06
1,635.0	13.51	216.76	1,626.0	-95.4	-78.7	123.7	1.63	1.19	-4.81
1,667.0	13.95	216.14	1,657.1	-101.5	-83.2	131.3	1.45	1.38	-1.94
1,698.0	14.15	217.75	1,687.2	-107.6	-87.8	138.8	1.42	0.65	5.19
1,794.0	14.00	218.60	1,780.3	-125.9	-102.2	162.1	0.27	-0.16	0.89
1,888.0	13.10	219.33	1,871.7	-143.0	-116.0	184.1	0.97	-0.96	0.78
1,984.0	12.55	218.88	1,965.3	-159.6	-129.5	205.4	0.58	-0.57	-0.47
2,079.0	12.08	221.09	2,058.1	-175.1	-142.5	225.7	0.70	-0.49	2.33
2,174.0	13.07	221.99	2,150.8	-190.6	-156.2	246.4	1.06	1.04	0.95
2,269.0	13.29	220.69	2,243.3	-206.8	-170.5	268.0	0.39	0.23	-1.37
2,364.0	14.37	222.93	2,335.6	-223.8	-185.7	290.7	1.27	1.14	2.36
2,459.0	14.46	223.90	2,427.6	-240.9	-201.9	314.3	0.27	0.09	1.02
2,554.0	14.61	220.74	2,519.5	-258.6	-218.0	338.2	0.85	0.16	-3.33
2,649.0	13.94	220.69	2,611.6	-276.3	-233.2	361.6	0.71	-0.71	-0.05
2,744.0	13.29	221.53	2,703.9	-293.2	-247.9	384.0	0.72	-0.68	0.88
2,839.0	14.66	222.08	2,796.1	-310.3	-263.2	406.9	1.45	1.44	0.58
2,934.0	15.71	218.38	2,887.8	-329.3	-279.3	431.8	1.50	1.11	-3.89
3,029.0	15.71	218.56	2,979.3	-349.4	-295.3	457.5	0.05	0.00	0.19
3,124.0	14.31	218.80	3,071.0	-368.6	-310.7	482.1	1.48	-1.47	0.25
3,219.0	15.84	222.19	3,162.7	-387.4	-326.7	506.8	1.86	1.61	3.57
3,314.0	15.06	220.44	3,254.3	-406.4	-343.4	532.1	0.96	-0.82	-1.84
3,409.0	15.40	222.41	3,346.0	-425.1	-359.9	557.0	0.65	0.36	2.07
3,504.0	15.14	222.23	3,437.6	-443.6	-376.8	582.0	0.28	-0.27	-0.19
3,599.0	15.14	222.41	3,529.3	-461.9	-393.5	606.8	0.05	0.00	0.19
3,695.0	14.81	220.54	3,622.1	-480.5	-409.9	631.6	0.61	-0.34	-1.95
3,790.0	14.48	219.42	3,714.0	-498.9	-425.4	655.6	0.46	-0.35	-1.18
3,885.0	14.85	219.00	3,805.9	-517.5	-440.6	679.7	0.41	0.39	-0.44
3,980.0	14.72	221.86	3,897.7	-536.0	-456.3	703.9	0.78	-0.14	3.01
4,075.0	14.09	221.91	3,989.8	-553.6	-472.1	727.5	0.66	-0.66	0.05



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 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)	
4,170.0	13.86	221.07	4,081.9	-570.8	-487.3	750.5	0.32	-0.24	-0.88	
4,265.0	14.06	220.43	4,174.1	-588.1	-502.2	773.4	0.27	0.21	-0.67	
4,360.0	13.84	220.80	4,266.3	-605.5	-517.1	796.3	0.25	-0.23	0.39	
4,455.0	13.40	220.36	4,358.7	-622.5	-531.7	818.7	0.48	-0.46	-0.46	
4,550.0	14.57	218.41	4,450.8	-640.3	-546.2	841.6	1.33	1.23	-2.05	
4,645.0	14.24	219.48	4,542.9	-658.6	-561.1	865.2	0.45	-0.35	1.13	
4,741.0	14.11	218.96	4,635.9	-676.9	-576.0	888.7	0.19	-0.14	-0.54	
4,836.0	14.37	220.60	4,728.0	-694.8	-590.9	912.1	0.51	0.27	1.73	
4,931.0	14.13	220.14	4,820.1	-712.6	-606.1	935.5	0.28	-0.25	-0.48	
5,026.0	13.91	219.62	4,912.3	-730.3	-620.8	958.5	0.27	-0.23	-0.55	
5,121.0	14.61	219.02	5,004.3	-748.4	-635.6	981.9	0.75	0.74	-0.63	
5,216.0	14.19	220.65	5,096.4	-766.5	-650.8	1,005.5	0.61	-0.44	1.72	
5,218.1	14.19	220.76	5,098.4	-766.9	-651.1	1,006.0	1.24	-0.19	5.01	
<b>Y-4-9-17 TGT1</b>										
5,311.0	14.06	225.46	5,188.5	-783.5	-666.6	1,028.7	1.24	-0.14	5.06	
5,406.0	15.56	224.41	5,280.3	-800.7	-683.7	1,052.9	1.60	1.58	-1.11	
5,501.0	15.00	220.96	5,372.0	-819.0	-700.7	1,077.9	1.12	-0.59	-3.63	
5,596.0	13.19	218.30	5,464.1	-836.8	-715.5	1,101.0	2.02	-1.91	-2.80	
5,691.0	13.12	216.14	5,556.6	-854.1	-728.5	1,122.6	0.52	-0.07	-2.27	
5,786.0	13.23	216.49	5,649.1	-871.5	-741.4	1,144.2	0.14	0.12	0.37	
5,881.0	12.90	216.36	5,741.7	-888.8	-754.1	1,165.6	0.35	-0.35	-0.14	
5,977.0	11.84	215.11	5,835.4	-905.5	-766.1	1,186.1	1.14	-1.10	-1.30	
6,066.0	10.15	215.11	5,922.8	-919.3	-775.9	1,203.0	1.90	-1.90	0.00	
6,130.0	9.75	214.50	5,985.8	-928.4	-782.2	1,214.0	0.65	-0.63	-0.95	

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Y-4-9-17 TGT1	0.00	0.00	5,100.0	-762.0	-647.0	7,191,365.08	2,054,417.22	40° 3' 9.940 N	110° 1' 15.390 W
- actual wellpath misses by 6.6ft at 5218.1ft MD (5098.4 TVD, -766.9 N, -651.1 E)									
- Circle (radius 75.0)									
SECTION LINES	0.00	0.00	-2,000.0	0.0	0.0	7,192,137.62	2,055,051.45	40° 3' 17.470 N	110° 1' 7.070 W
- actual wellpath misses by 2000.0ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			-2,000.0	-787.0	-667.0	7,191,339.76	2,054,397.63		
Point 2			-2,000.0	-787.0	0.0	7,191,350.80	2,055,064.48		
Point 3			-2,000.0	-787.0	-667.0	7,191,339.76	2,054,397.63		
Point 4			-2,000.0	0.0	-667.0	7,192,126.57	2,054,384.60		

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

# NEWFIELD



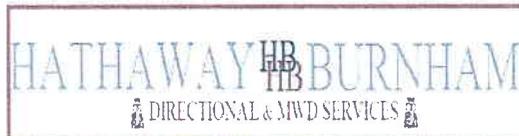
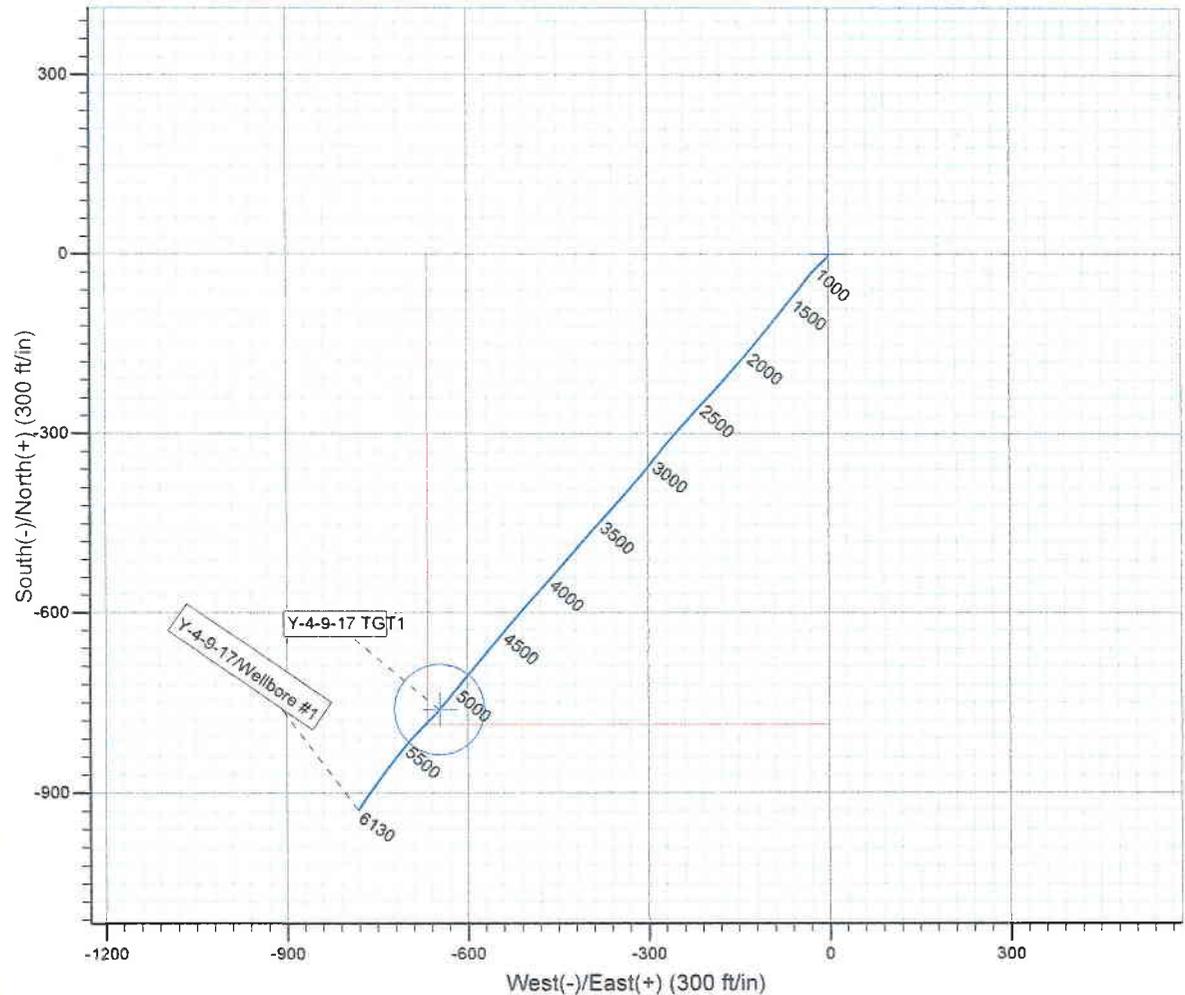
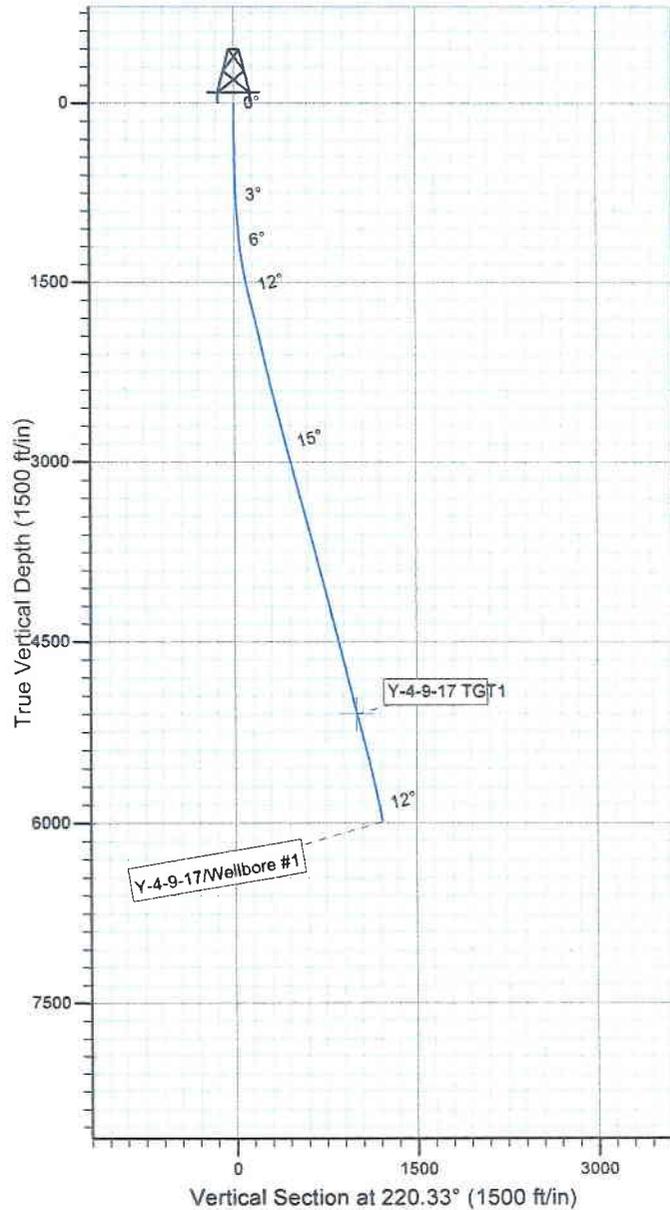
Project: USGS Myton SW (UT)  
 Site: SECTION 4 T9S R17E  
 Well: Y-4-9-17  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.49°

Magnetic Field  
 Strength: 52479.4snT  
 Dip Angle: 65.86°  
 Date: 2009/10/15  
 Model: IGRF200510



Design: Wellbore #1 (Y-4-9-17/Wellbore #1)

Created By: *Tom Hudson* Date: 18:06, November 12 2009

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

H        HEADER    INFORMATION -----  
H        COMPANY :            NEWFIELD        EXPLORATION  
H        FIELD    :            USGS            Myton     SW        (UT)  
H        SITE     :            SECTION            4 T9S        R17E  
H        WELL     :            Y-4-9-17  
H        WELLPATH Wellbore    #1  
H        DEPTHUNT ft  
H        SURVDATE   11/12/2009  
H        DECLINATIO(CORR.  
H        =                    10.55 TO            GRIDH-----

H        WELL    INFORMATION  
H        WELL    EW            MAP            :            2055051  
H        WELL    NS            MAP            :            7192138  
H        DATUM   ELEVN        :            5261  
H        VSECT   ANGLE        :            220.33  
H        VSECT   NORTH        :            0  
H        VSECT   EAST         :            0

H-----  
H        SURVEY   TYPE            INFORMATION  
H                356 -                6130 SURVEY   #1        :            MWD  
H-----

H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	0
	356	0.68	187.93	355.99	-2.09	-0.29	1.78	0.19
	508	0.84	205	507.98	-4	-0.89	3.62	0.18
	539	0.48	202.54	538.98	-4.32	-1.03	3.96	1.16
	569	0.9	205	568.97	-4.65	-1.18	4.31	1.4
	600	1.03	204.06	599.97	-5.13	-1.4	4.81	0.42
	630	1.34	217.59	629.96	-5.65	-1.72	5.42	1.39
	661	2.09	220.69	660.95	-6.37	-2.31	6.35	2.44
	691	2.46	233.52	690.93	-7.16	-3.18	7.52	2.09
	722	2.79	236.38	721.89	-7.98	-4.35	8.89	1.14
	753	3.25	231.35	752.85	-8.94	-5.66	10.48	1.71
	783	3.45	229.28	782.8	-10.06	-7.01	12.21	0.78
	814	2.97	230.4	813.75	-11.18	-8.34	13.92	1.56
	844	3.36	227.39	843.7	-12.27	-9.58	15.56	1.41
	875	3.27	227.2	874.65	-13.49	-10.9	17.34	0.29
	907	3.71	225.81	906.59	-14.83	-12.31	19.27	1.4
	938	3.91	224.54	937.52	-16.28	-13.77	21.33	0.7
	970	4.37	222.36	969.44	-17.96	-15.36	23.63	1.52
	1002	4.46	222.47	1001.35	-19.78	-17.02	26.1	0.28
	1034	4.99	225.9	1033.24	-21.67	-18.86	28.72	1.88
	1065	5.38	222.01	1064.11	-23.69	-20.8	31.52	1.69
	1097	5.81	222.88	1095.96	-25.99	-22.91	34.64	1.37
	1129	6.04	224.71	1127.79	-28.37	-25.19	37.93	0.93
	1160	6.22	224.27	1158.61	-30.73	-27.51	41.23	0.6

1192	6.61	220.78	1190.41	-33.37	-29.93	44.81	1.72
1224	7.4	218.76	1222.17	-36.37	-32.42	48.71	2.59
1255	7.87	220.21	1252.9	-39.55	-35.04	52.83	1.64
1287	8.15	219.72	1284.58	-42.97	-37.9	57.28	0.9
1319	8.72	215.81	1316.24	-46.68	-40.77	61.97	2.53
1351	9.3	216.06	1347.84	-50.73	-43.71	66.97	1.82
1382	9.54	218.03	1378.42	-54.78	-46.77	72.03	1.3
1414	10.37	216.8	1409.94	-59.18	-50.13	77.56	2.68
1446	10.74	218.14	1441.4	-63.83	-53.7	83.41	1.39
1477	11.6	216.89	1471.81	-68.59	-57.35	89.41	2.88
1509	11.93	217.37	1503.14	-73.8	-61.29	95.92	1.08
1541	12.33	220.64	1534.43	-79.02	-65.52	102.64	2.48
1572	12.81	219.55	1564.68	-84.18	-69.87	109.39	1.73
1604	13.14	218.25	1595.87	-89.77	-74.38	116.57	1.38
1635	13.51	216.76	1626.03	-95.44	-78.73	123.71	1.63
1667	13.95	216.14	1657.12	-101.55	-83.24	131.28	1.45
1698	14.15	217.75	1687.19	-107.56	-87.76	138.8	1.42
1794	14	218.6	1780.31	-125.92	-102.19	162.12	0.27
1888	13.1	219.33	1871.69	-143.04	-116.04	184.14	0.97
1984	12.55	218.88	1965.3	-159.58	-129.48	205.45	0.58
2079	12.08	221.09	2058.11	-175.1	-142.49	225.7	0.7
2174	13.07	221.99	2150.83	-190.58	-156.21	246.38	1.06
2269	13.29	220.69	2243.33	-206.84	-170.51	268.04	0.39
2364	14.37	222.93	2335.57	-223.75	-185.66	290.73	1.27
2459	14.46	223.9	2427.58	-240.93	-201.92	314.35	0.27
2554	14.61	220.74	2519.54	-258.56	-217.96	338.17	0.85
2649	13.94	220.69	2611.61	-276.31	-233.24	361.59	0.71
2744	13.29	221.53	2703.94	-293.16	-247.94	383.95	0.72
2839	14.66	222.08	2796.13	-310.26	-263.24	406.89	1.45
2934	15.71	218.38	2887.81	-329.27	-279.28	431.76	1.5
3029	15.71	218.56	2979.26	-349.41	-295.28	457.47	0.05
3124	14.31	218.8	3071.02	-368.61	-310.66	482.06	1.48
3219	15.84	222.19	3162.75	-387.37	-326.72	506.76	1.86
3314	15.06	220.44	3254.31	-406.37	-343.44	532.06	0.96
3409	15.4	222.41	3345.98	-425.08	-359.95	557	0.65
3504	15.14	222.23	3437.62	-443.58	-376.79	582.01	0.28
3599	15.14	222.41	3529.33	-461.92	-393.5	606.81	0.05
3695	14.81	220.54	3622.07	-480.5	-409.93	631.6	0.61
3790	14.48	219.42	3713.98	-498.91	-425.36	655.62	0.46
3885	14.85	219	3805.88	-517.54	-440.57	679.67	0.41
3980	14.72	221.86	3897.74	-535.99	-456.28	703.9	0.78
4075	14.09	221.91	3989.75	-553.59	-472.06	727.53	0.66
4170	13.86	221.07	4081.94	-570.77	-487.26	750.47	0.32
4265	14.06	220.43	4174.14	-588.13	-502.22	773.38	0.27
4360	13.84	220.8	4266.33	-605.52	-517.13	796.28	0.25
4455	13.4	220.36	4358.66	-622.51	-531.68	818.65	0.48
4550	14.57	218.41	4450.85	-640.26	-546.23	841.61	1.33

4645	14.24	219.48	4542.86	-658.64	-561.09	865.23	0.45
4741	14.11	218.96	4635.94	-676.85	-575.95	888.74	0.19
4836	14.37	220.6	4728.02	-694.81	-590.91	912.1	0.51
4931	14.13	220.14	4820.09	-712.63	-606.05	935.49	0.28
5026	13.91	219.62	4912.26	-730.29	-620.81	958.5	0.27
5121	14.61	219.02	5004.34	-748.39	-635.63	981.9	0.75
5216	14.19	220.65	5096.35	-766.53	-650.76	1005.52	0.61
5311	14.06	225.46	5188.48	-783.46	-666.57	1028.66	1.24
5406	15.56	224.41	5280.32	-800.66	-683.72	1052.86	1.6
5501	15	220.96	5371.97	-819.05	-700.69	1077.86	1.12
5596	13.19	218.3	5464.1	-836.84	-715.47	1100.99	2.02
5691	13.12	216.14	5556.61	-854.05	-728.55	1122.58	0.52
5786	13.23	216.49	5649.11	-871.5	-741.37	1144.18	0.14
5881	12.9	216.36	5741.65	-888.78	-754.12	1165.6	0.35
5977	11.84	215.11	5835.42	-905.46	-766.14	1186.1	1.14
6066	10.15	215.11	5922.79	-919.35	-775.9	1203	1.9
6130	9.75	214.5	5985.82	-928.43	-782.22	1214.01	0.65