

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-67845
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. Humpback Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Humpback Federal L-25-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-647-40019
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1884' FNL 746' FEL At proposed prod. zone 2628' FNL 1320' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.7 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 25, T8S R17E
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	16. No. of Acres in lease 560.00	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. 1316'	19. Proposed Depth 6560'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5024' GL	22. Approximate date work will start* 3rd 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 4/11/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-29-08
Title Office	ENVIRONMENTAL MANAGER	

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

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

*(Instructions on reverse)

**Federal Approval of this
Action Is Necessary**

RECEIVED
APR 21 2008
DIV. OF OIL, GAS & MINING

SWF 589739X
44381734
40.090954
-109.947335

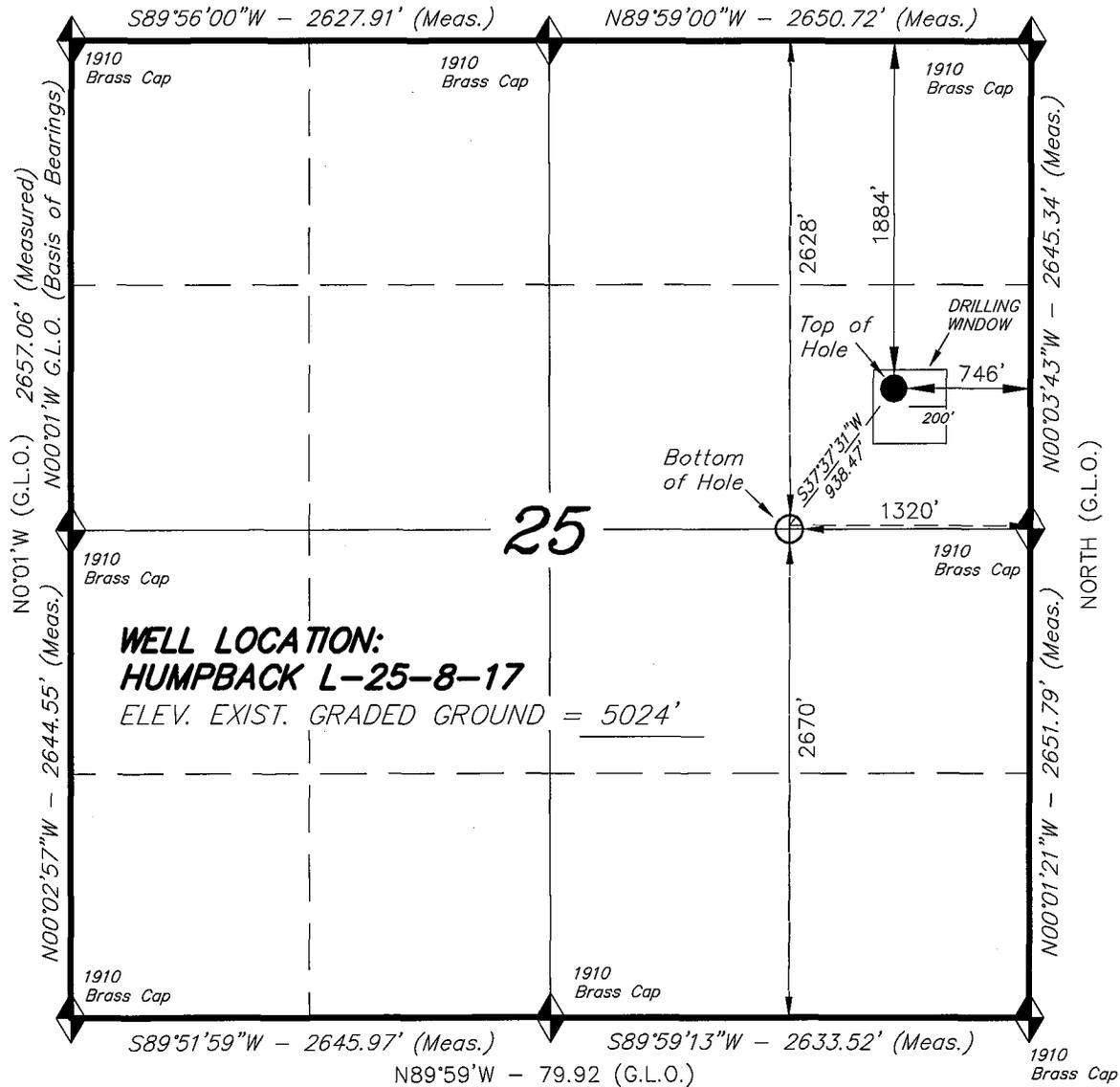
BHU 589567X
4437945
40.088920
-109.949385

T8S, R17E, S.L.B.&M.

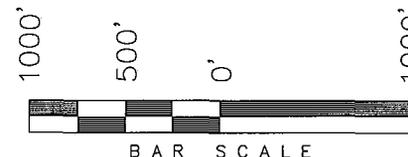
N89°58'W - 79.90 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, HUMPBACK L-25-8-17,
LOCATED AS SHOWN IN THE SE 1/4 NE
1/4 OF SECTION 25, T8S, R17E,
S.L.B.&M. UINTAH COUNTY, UTAH.



WELL LOCATION:
HUMPBACK L-25-8-17
ELEV. EXIST. GRADED GROUND = 5024'



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

REGISTERED LAND SURVEYOR
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 2277
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 12-20-07	SURVEYED BY: D.G.
DATE DRAWN: 01-02-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

HUMPBACK L-25-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 27.89"
LONGITUDE = 109° 56' 53.35"

◆ = SECTION CORNERS LOCATED

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

NEWFIELD PRODUCTION COMPANY
HUMPBACK FEDERAL L-25-8-17
AT SURFACE: SE/NE SECTION 25, T8S, R17E
UINTAH 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' – 3286
Green River	3286'
Wasatch	6560'

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

Green River Formation 3286' – 6560' - 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
HUMPBAC FEDERAL L-25-8-17
AT SURFACE: SE/NE SECTION 25, T8S, R17E
UINTAH 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 Humpback Federal L-25-8-17 located in the SE 1/4 NE 1/4 Section 25, T8S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly – 6.8 miles ± to it's junction with an existing road to the east; proceed easterly - 3.7 miles ± to it's junction with an existing road to the southeast; proceed in a southeasterly direction – 2.8 miles ± to the existing Humpback 8-25-8-17 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 Humpback 8-25-8-17 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 Humpback 8-25-8-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Humpback Federal L-25-8-17. 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 Humpback Federal L-25-8-17 will be drilled off of the existing Humpback 8-25-8-17 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**

Newfield Production Company requests 470' of disturbed area be granted in Lease UTU-74870 and 620' of disturbed area be granted in Lease UTU-67845 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. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 1,090' of proposed water injection pipeline is attached. MOAC Report #08-061, 4/3/08. Paleontological Resource Survey prepared by, Wade E. Miller, 3/25/08. See attached report cover pages, Exhibit "D".

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

A cactus survey will be required prior to construction of the proposed water injection line for the Humpback Federal L-25-8-17

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>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Humpback Federal L-25-8-17 was on-sited on 3/26/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management)and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

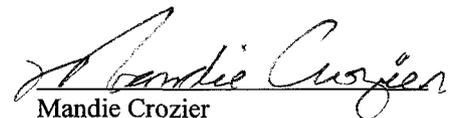
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #L-25-8-17 SE/NE Section 25, Township 8S, Range 17E: Lease UTU-67845 Uintah 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 drill site 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.

4/11/08

Date

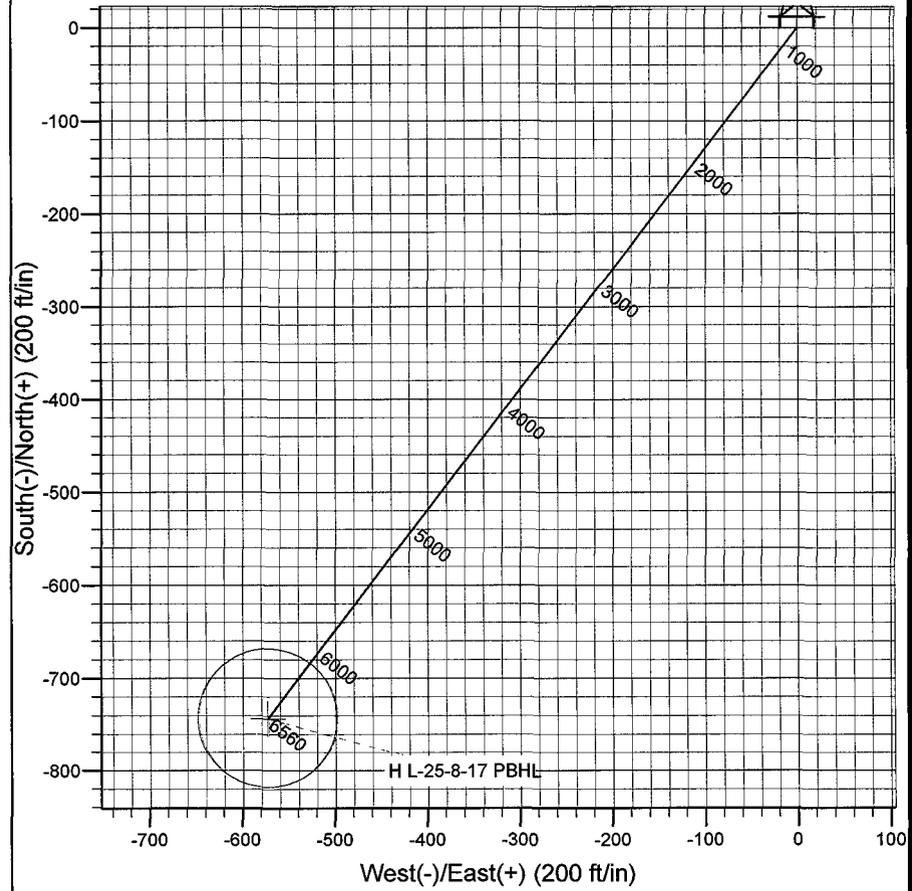
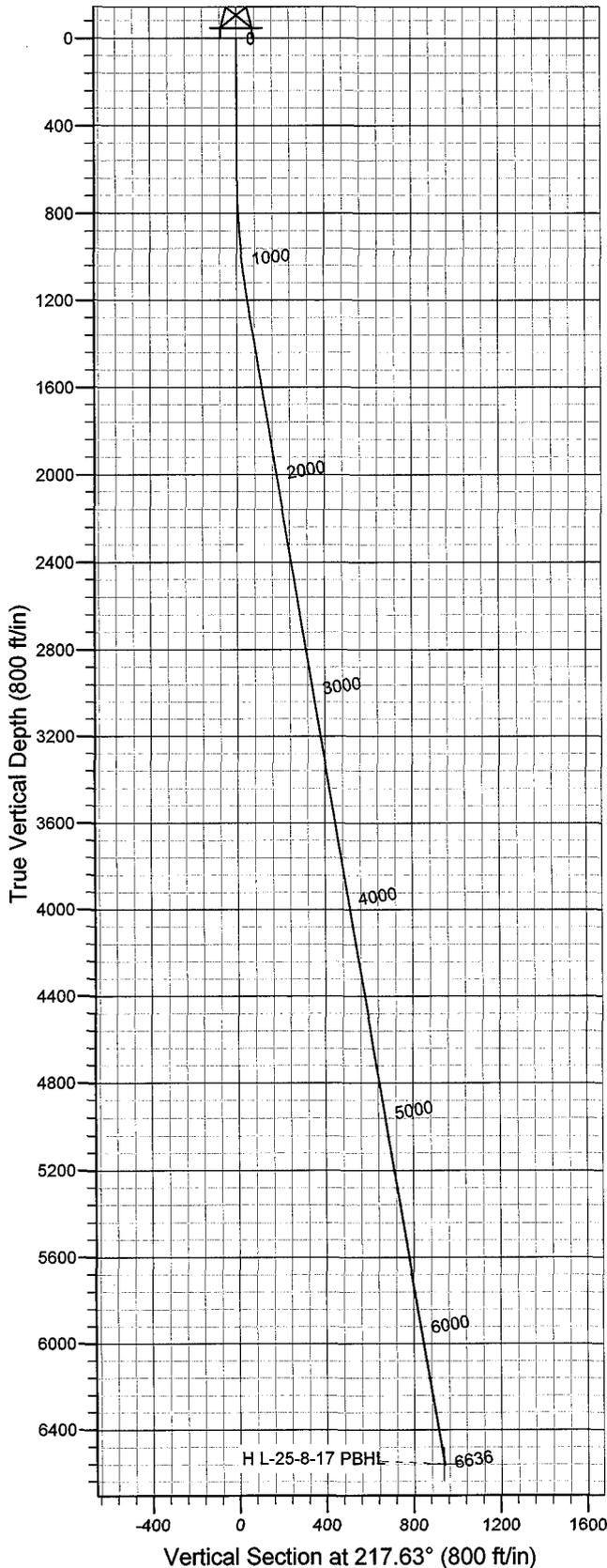

Mandie Crozier
Regulatory Specialist
Newfield Production Company



Azimuths to True North
 Magnetic North: 11.67°
 Magnetic Field
 Strength: 52656.5snT
 Dip Angle: 65.94°
 Date: 2008-04-02
 Model: IGRF2005-10

WELL DETAILS: Humpback L-25-8-17

GL 5024' & RKB 12' @ 5036.00ft 5024.00
 +N/-S 0.00 +E/-W 0.00 Northing 7205680.76 Easting 2074551.42 Latitude 40° 5' 27.890 N Longitude 109° 56' 53.350 W



Plan: Plan #1 (Humpback L-25-8-17/OH)
 Created By: Julie Cruse Date: 2008-04-02
 PROJECT DETAILS: Uintah County, UT NAD83 UTC
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone
 Location:
 System Datum: Mean Sea Level
 Local North: No north reference data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1229.31	9.44	217.63	1226.46	-40.96	-31.58	1.50	217.63	51.72	
4	6636.06	9.44	217.63	6560.00	-743.24	-572.99	0.00	0.00	938.47	H L-25-8-17 PBHL

Newfield Exploration Co.

Uintah County, UT NAD83 UTC

Humpback

Humpback L-25-8-17

OH

Plan: Plan #1

Standard Planning Report

02 April, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Uintah County, UT NAD83 UTC
Site: Humpback
Well: Humpback L-25-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Humpback L-25-8-17
TVD Reference: GL 5024' & RKB 12' @ 5036.00ft
MD Reference: GL 5024' & RKB 12' @ 5036.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Uintah County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site		Humpback	
Site Position:		Northing:	7,205,829.64 ft
From:	Lat/Long	Easting:	2,071,750.01 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 5' 29.840 N
		Longitude:	109° 57' 29.360 W
		Grid Convergence:	0.99 °

Well		Humpback L-25-8-17, 1884' FNL 746' FEL Sec 25 T8S R17E	
Well Position	+N/-S	0.00 ft	Northing: 7,205,680.76 ft
	+E/-W	0.00 ft	Easting: 2,074,551.42 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 5' 27.890 N
		Longitude:	109° 56' 53.350 W
		Ground Level:	5,024.00 ft

Wellbore		OH	
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2005-10	2008-04-02	11.67
			Dip Angle (°)
			65.94
			Field Strength (nT)
			52,656

Design		Plan #1	
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.00	0.00	0.00
			Direction (°)
			217.63

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,229.31	9.44	217.63	1,226.46	-40.96	-31.58	1.50	1.50	0.00	217.63	
6,636.06	9.44	217.63	6,560.00	-743.24	-572.99	0.00	0.00	0.00	0.00	H L-25-8-17 PBHL

Scientific Drilling Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Uintah County, UT NAD83 UTC
Site: Humpback
Well: Humpback L-25-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Humpback L-25-8-17
TVD Reference: GL 5024' & RKB 12' @ 5036.00ft
MD Reference: GL 5024' & RKB 12' @ 5036.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	217.63	699.99	-1.04	-0.80	1.31	1.50	1.50	0.00
800.00	3.00	217.63	799.91	-4.15	-3.20	5.23	1.50	1.50	0.00
900.00	4.50	217.63	899.69	-9.33	-7.19	11.77	1.50	1.50	0.00
1,000.00	6.00	217.63	999.27	-16.57	-12.78	20.92	1.50	1.50	0.00
1,100.00	7.50	217.63	1,098.57	-25.88	-19.95	32.68	1.50	1.50	0.00
1,200.00	9.00	217.63	1,197.54	-37.24	-28.71	47.03	1.50	1.50	0.00
1,229.31	9.44	217.63	1,226.46	-40.96	-31.58	51.72	1.50	1.50	0.00
1,300.00	9.44	217.63	1,296.20	-50.15	-38.66	63.32	0.00	0.00	0.00
1,400.00	9.44	217.63	1,394.85	-63.13	-48.67	79.72	0.00	0.00	0.00
1,500.00	9.44	217.63	1,493.49	-76.12	-58.69	96.12	0.00	0.00	0.00
1,600.00	9.44	217.63	1,592.14	-89.11	-68.70	112.52	0.00	0.00	0.00
1,700.00	9.44	217.63	1,690.78	-102.10	-78.71	128.92	0.00	0.00	0.00
1,800.00	9.44	217.63	1,789.43	-115.09	-88.73	145.32	0.00	0.00	0.00
1,900.00	9.44	217.63	1,888.08	-128.08	-98.74	161.72	0.00	0.00	0.00
2,000.00	9.44	217.63	1,986.72	-141.07	-108.75	178.12	0.00	0.00	0.00
2,100.00	9.44	217.63	2,085.37	-154.06	-118.77	194.52	0.00	0.00	0.00
2,200.00	9.44	217.63	2,184.01	-167.05	-128.78	210.92	0.00	0.00	0.00
2,300.00	9.44	217.63	2,282.66	-180.03	-138.80	227.32	0.00	0.00	0.00
2,400.00	9.44	217.63	2,381.30	-193.02	-148.81	243.73	0.00	0.00	0.00
2,500.00	9.44	217.63	2,479.95	-206.01	-158.82	260.13	0.00	0.00	0.00
2,600.00	9.44	217.63	2,578.60	-219.00	-168.84	276.53	0.00	0.00	0.00
2,700.00	9.44	217.63	2,677.24	-231.99	-178.85	292.93	0.00	0.00	0.00
2,800.00	9.44	217.63	2,775.89	-244.98	-188.86	309.33	0.00	0.00	0.00
2,900.00	9.44	217.63	2,874.53	-257.97	-198.88	325.73	0.00	0.00	0.00
3,000.00	9.44	217.63	2,973.18	-270.96	-208.89	342.13	0.00	0.00	0.00
3,100.00	9.44	217.63	3,071.83	-283.95	-218.90	358.53	0.00	0.00	0.00
3,200.00	9.44	217.63	3,170.47	-296.93	-228.92	374.93	0.00	0.00	0.00
3,300.00	9.44	217.63	3,269.12	-309.92	-238.93	391.33	0.00	0.00	0.00
3,400.00	9.44	217.63	3,367.76	-322.91	-248.95	407.73	0.00	0.00	0.00
3,500.00	9.44	217.63	3,466.41	-335.90	-258.96	424.13	0.00	0.00	0.00
3,600.00	9.44	217.63	3,565.06	-348.89	-268.97	440.53	0.00	0.00	0.00
3,700.00	9.44	217.63	3,663.70	-361.88	-278.99	456.93	0.00	0.00	0.00
3,800.00	9.44	217.63	3,762.35	-374.87	-289.00	473.34	0.00	0.00	0.00
3,900.00	9.44	217.63	3,860.99	-387.86	-299.01	489.74	0.00	0.00	0.00
4,000.00	9.44	217.63	3,959.64	-400.85	-309.03	506.14	0.00	0.00	0.00
4,100.00	9.44	217.63	4,058.29	-413.83	-319.04	522.54	0.00	0.00	0.00
4,200.00	9.44	217.63	4,156.93	-426.82	-329.05	538.94	0.00	0.00	0.00
4,300.00	9.44	217.63	4,255.58	-439.81	-339.07	555.34	0.00	0.00	0.00
4,400.00	9.44	217.63	4,354.22	-452.80	-349.08	571.74	0.00	0.00	0.00
4,500.00	9.44	217.63	4,452.87	-465.79	-359.10	588.14	0.00	0.00	0.00
4,600.00	9.44	217.63	4,551.51	-478.78	-369.11	604.54	0.00	0.00	0.00
4,700.00	9.44	217.63	4,650.16	-491.77	-379.12	620.94	0.00	0.00	0.00
4,800.00	9.44	217.63	4,748.81	-504.76	-389.14	637.34	0.00	0.00	0.00
4,900.00	9.44	217.63	4,847.45	-517.75	-399.15	653.74	0.00	0.00	0.00
5,000.00	9.44	217.63	4,946.10	-530.73	-409.16	670.14	0.00	0.00	0.00
5,100.00	9.44	217.63	5,044.74	-543.72	-419.18	686.55	0.00	0.00	0.00
5,200.00	9.44	217.63	5,143.39	-556.71	-429.19	702.95	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Uintah County, UT NAD83 UTC
Site: Humpback
Well: Humpback L-25-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Humpback L-25-8-17
TVD Reference: GL 5024' & RKB 12' @ 5036.00ft
MD Reference: GL 5024' & RKB 12' @ 5036.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.44	217.63	5,242.04	-569.70	-439.20	719.35	0.00	0.00	0.00
5,400.00	9.44	217.63	5,340.68	-582.69	-449.22	735.75	0.00	0.00	0.00
5,500.00	9.44	217.63	5,439.33	-595.68	-459.23	752.15	0.00	0.00	0.00
5,600.00	9.44	217.63	5,537.97	-608.67	-469.25	768.55	0.00	0.00	0.00
5,700.00	9.44	217.63	5,636.62	-621.66	-479.26	784.95	0.00	0.00	0.00
5,800.00	9.44	217.63	5,735.27	-634.65	-489.27	801.35	0.00	0.00	0.00
5,900.00	9.44	217.63	5,833.91	-647.63	-499.29	817.75	0.00	0.00	0.00
6,000.00	9.44	217.63	5,932.56	-660.62	-509.30	834.15	0.00	0.00	0.00
6,100.00	9.44	217.63	6,031.20	-673.61	-519.31	850.55	0.00	0.00	0.00
6,200.00	9.44	217.63	6,129.85	-686.60	-529.33	866.95	0.00	0.00	0.00
6,300.00	9.44	217.63	6,228.50	-699.59	-539.34	883.35	0.00	0.00	0.00
6,400.00	9.44	217.63	6,327.14	-712.58	-549.35	899.76	0.00	0.00	0.00
6,500.00	9.44	217.63	6,425.79	-725.57	-559.37	916.16	0.00	0.00	0.00
6,600.00	9.44	217.63	6,524.43	-738.56	-569.38	932.56	0.00	0.00	0.00
6,636.06	9.44	217.63	6,560.00	-743.24	-572.99	938.47	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
H L-25-8-17 PBHL	0.00	0.00	6,560.00	-743.24	-572.99	7,204,927.69	2,073,991.41	40° 5' 20.544 N	109° 57' 0.723 W
- hit/miss target									
- Shape									
- plan hits target center - Circle (radius 75.00)									

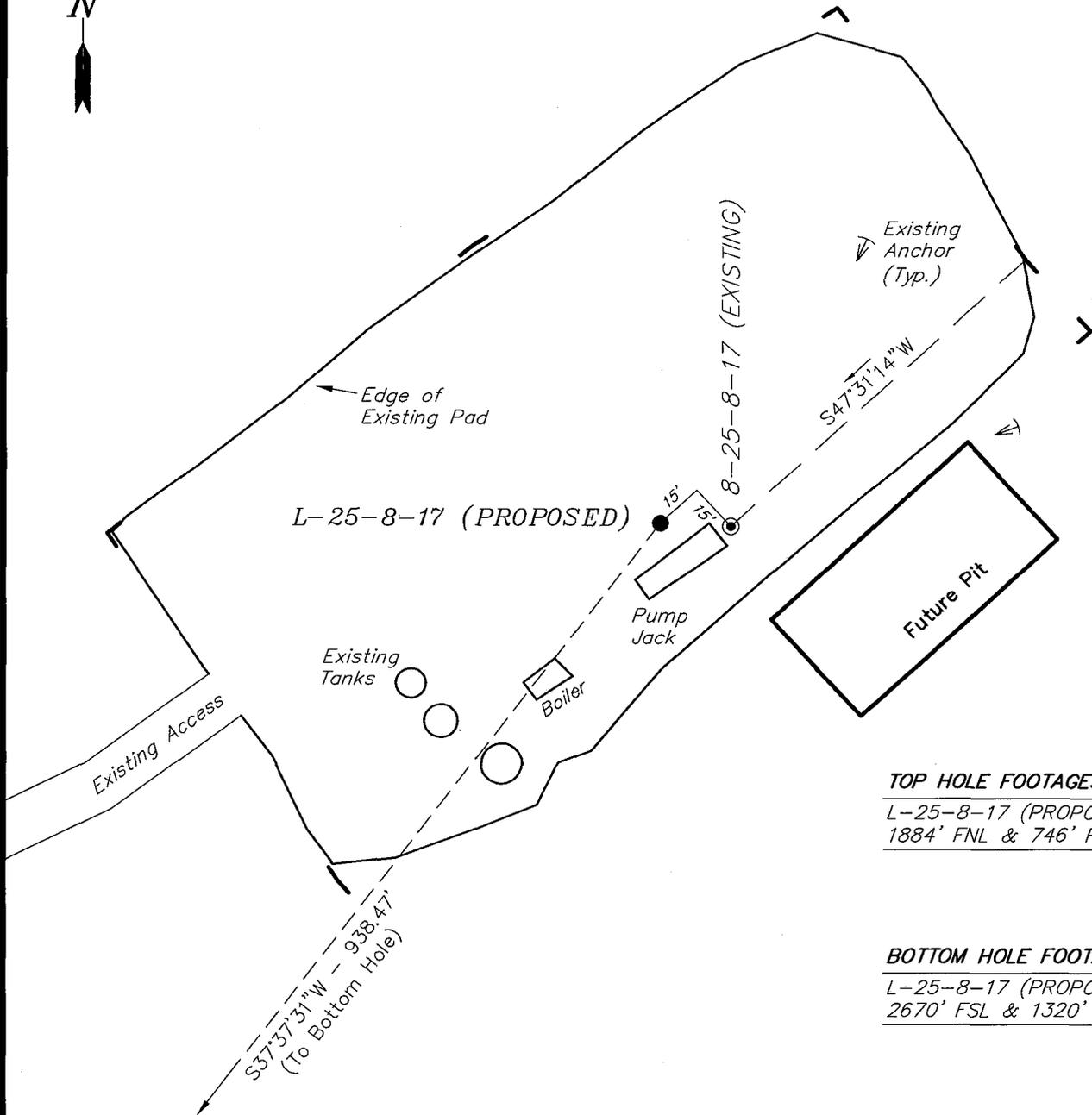
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

HUMBACK L-25-8-17 (Proposed Well)

HUMBACK 8-25-8-17 (Existing Well)

Pad Location: SENE Section 25, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

L-25-8-17 (PROPOSED)
1884' FNL & 746' FEL

BOTTOM HOLE FOOTAGES

L-25-8-17 (PROPOSED)
2670' FSL & 1320' FEL

Note:

Bearings are based on GLO Information.

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
L-25-8-17	-743'	-573'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
L-25-8-17	40° 05' 27.89"	109° 56' 53.35"
8-25-8-17	40° 05' 27.88"	109° 56' 53.08"

SURVEYED BY: D.G.	DATE SURVEYED: 12-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 01-02-08
SCALE: 1" = 50'	REVISED:

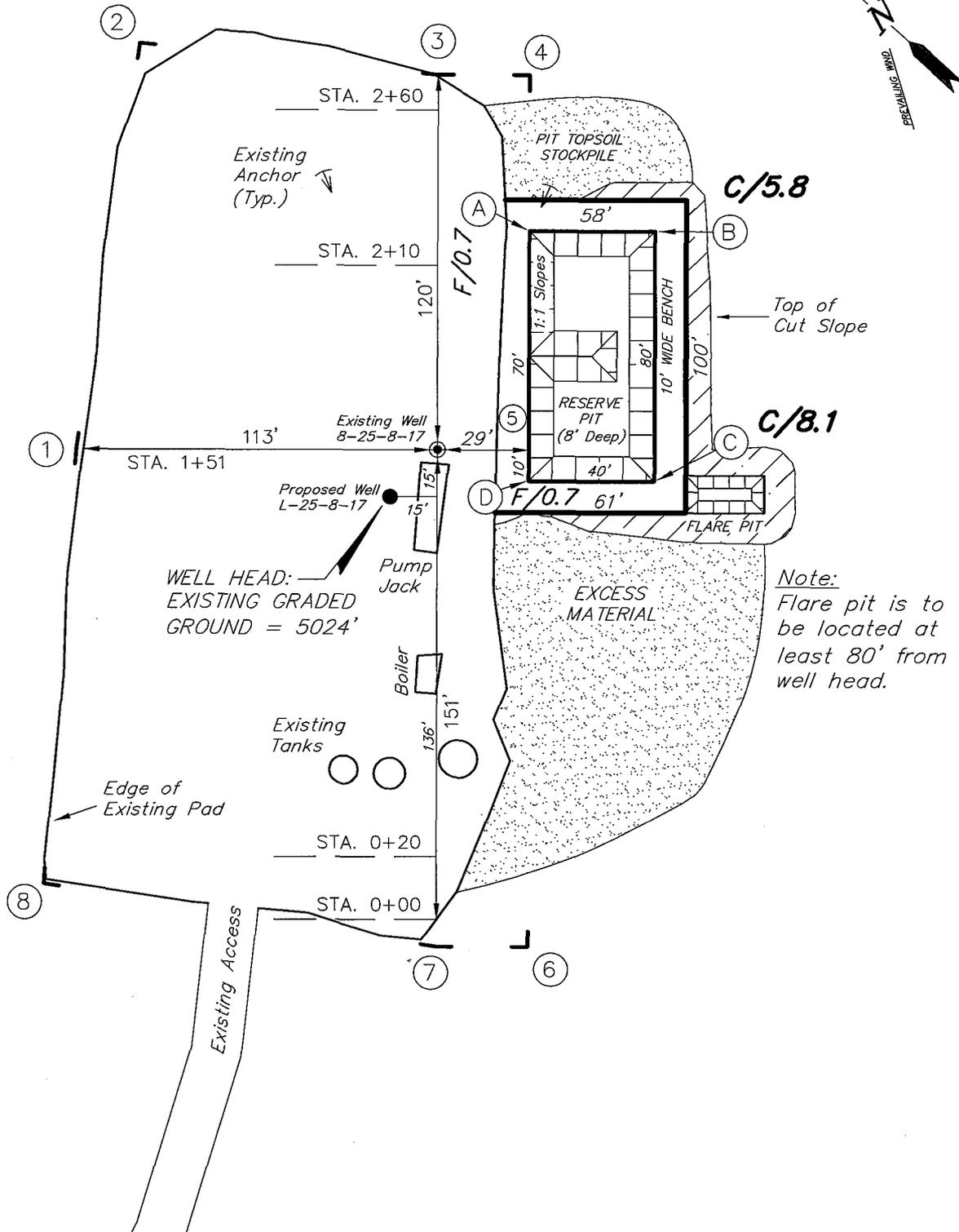
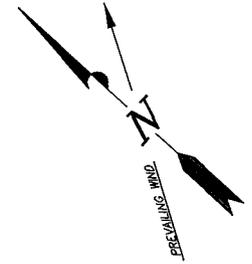
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

HUMPBACK L-25-8-17 (Proposed Well)

HUMPBACK 8-25-8-17 (Existing Well)

Pad Location: SENE Section 25, T8S, R17E, S.L.B.&M.



SURVEYED BY: D.G.	DATE SURVEYED: 12-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 01-02-08
SCALE: 1" = 50'	REVISED:

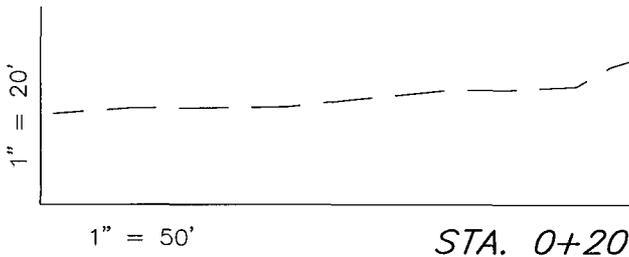
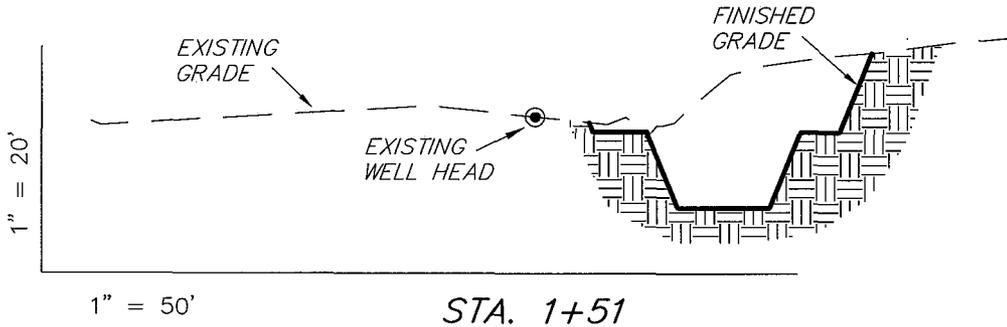
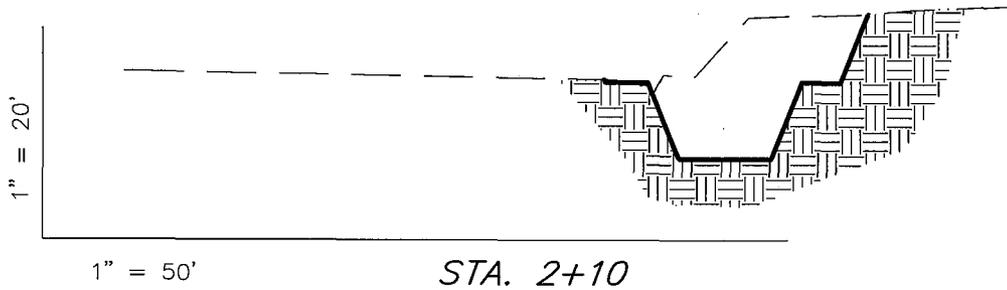
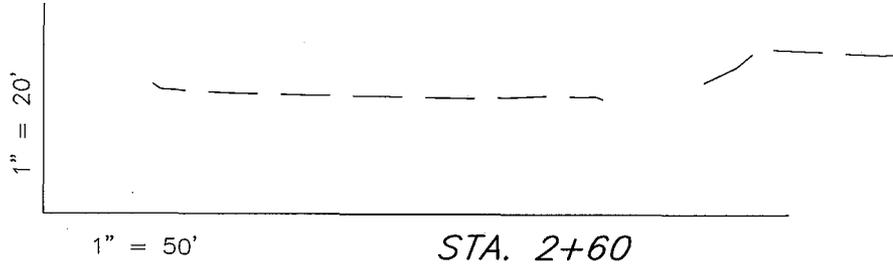
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

HUMPBACK L-25-8-17 (Proposed Well)

HUMPBACK 8-25-8-17 (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	1,280	0	Topsoil is not included in Pad Cut	1,280
PIT	640	0		640
TOTALS	1,920	0	160	1,920

SURVEYED BY: D.G.	DATE SURVEYED: 12-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 01-02-08
SCALE: 1" = 50'	REVISED:

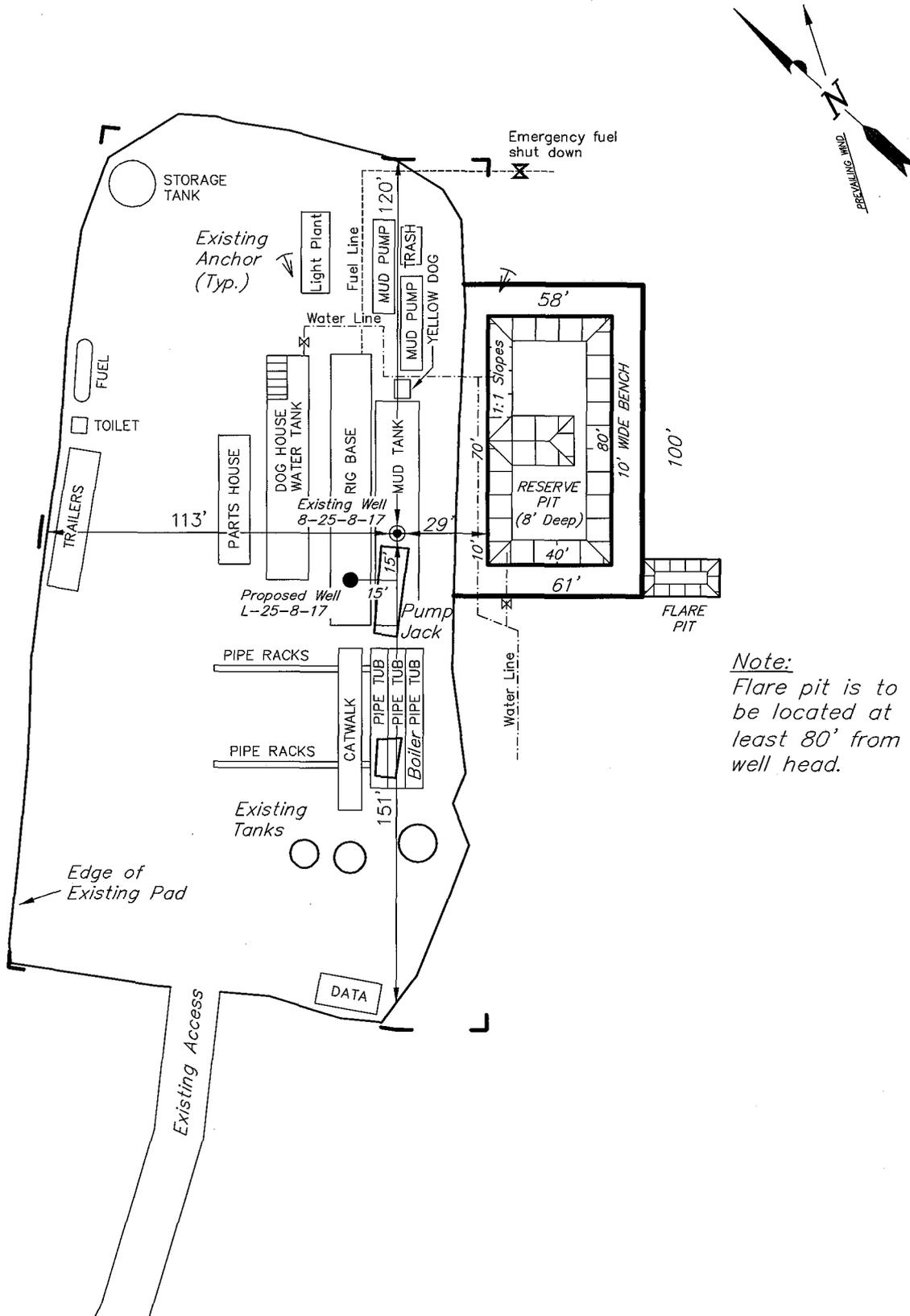
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

HUMPBACK L-25-8-17 (Proposed Well)

HUMPBACK 8-25-8-17 (Existing Well)



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

SURVEYED BY: D.G.	DATE SURVEYED: 12-20-07
DRAWN BY: F.T.M.	DATE DRAWN: 01-02-08
SCALE: 1" = 50'	REVISED:

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

Newfield Production Company Proposed Site Facility Diagram

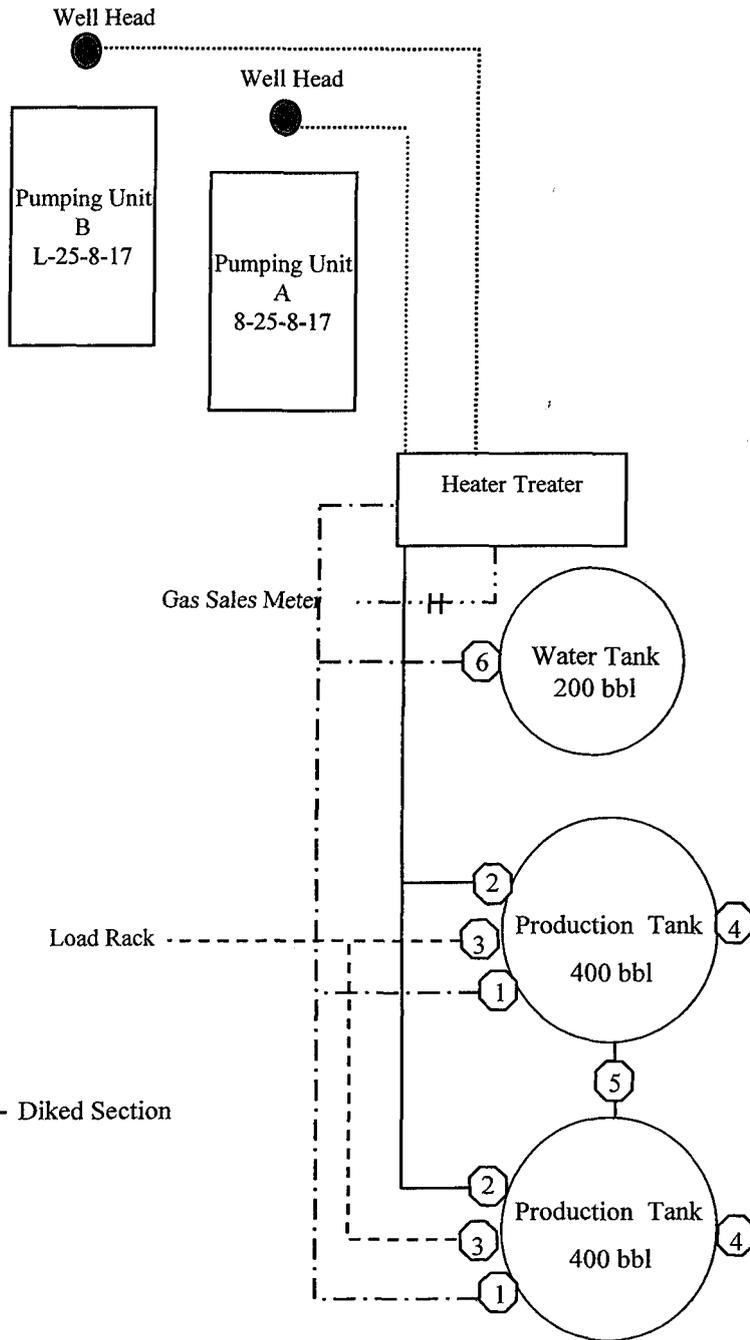
Humpback Federal L-25-8-17

From the 8-25-8-17 Location

SE/NE Sec. 25 T8S, R17E

Uintah County, Utah

UTU-67845



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:

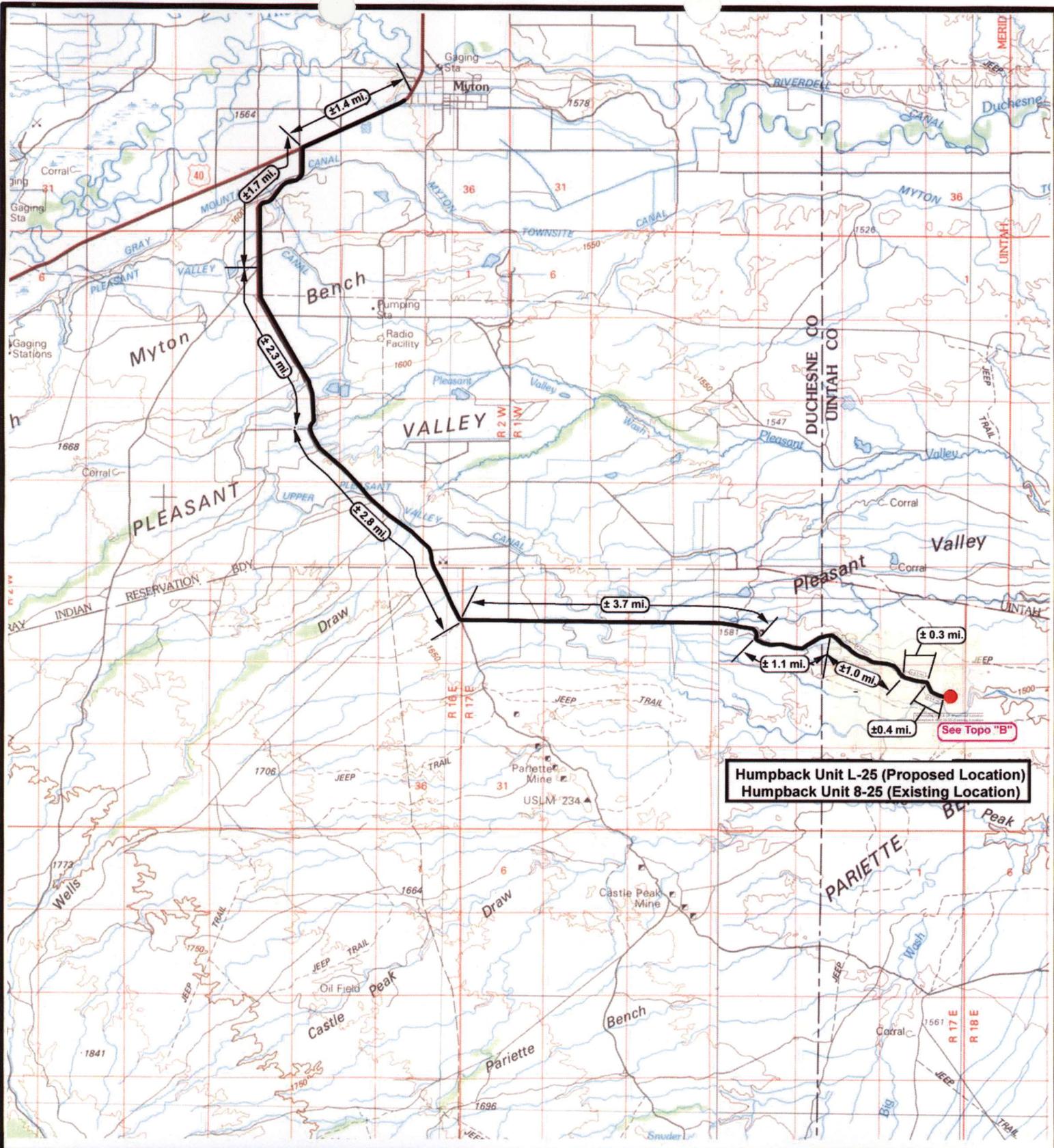
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Legend

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



Humpback Unit L-25 (Proposed Location)
Humpback Unit 8-25 (Existing Location)

See Topo "B"

NEWFIELD
 Exploration Company

Humpback Unit L-25-8-17 (Proposed Location)
Humpback Unit 8-25-8-17 (Existing Location)
 Pad Location SENE SEC. 25, T8S, R17E, S.L.B.&M.



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

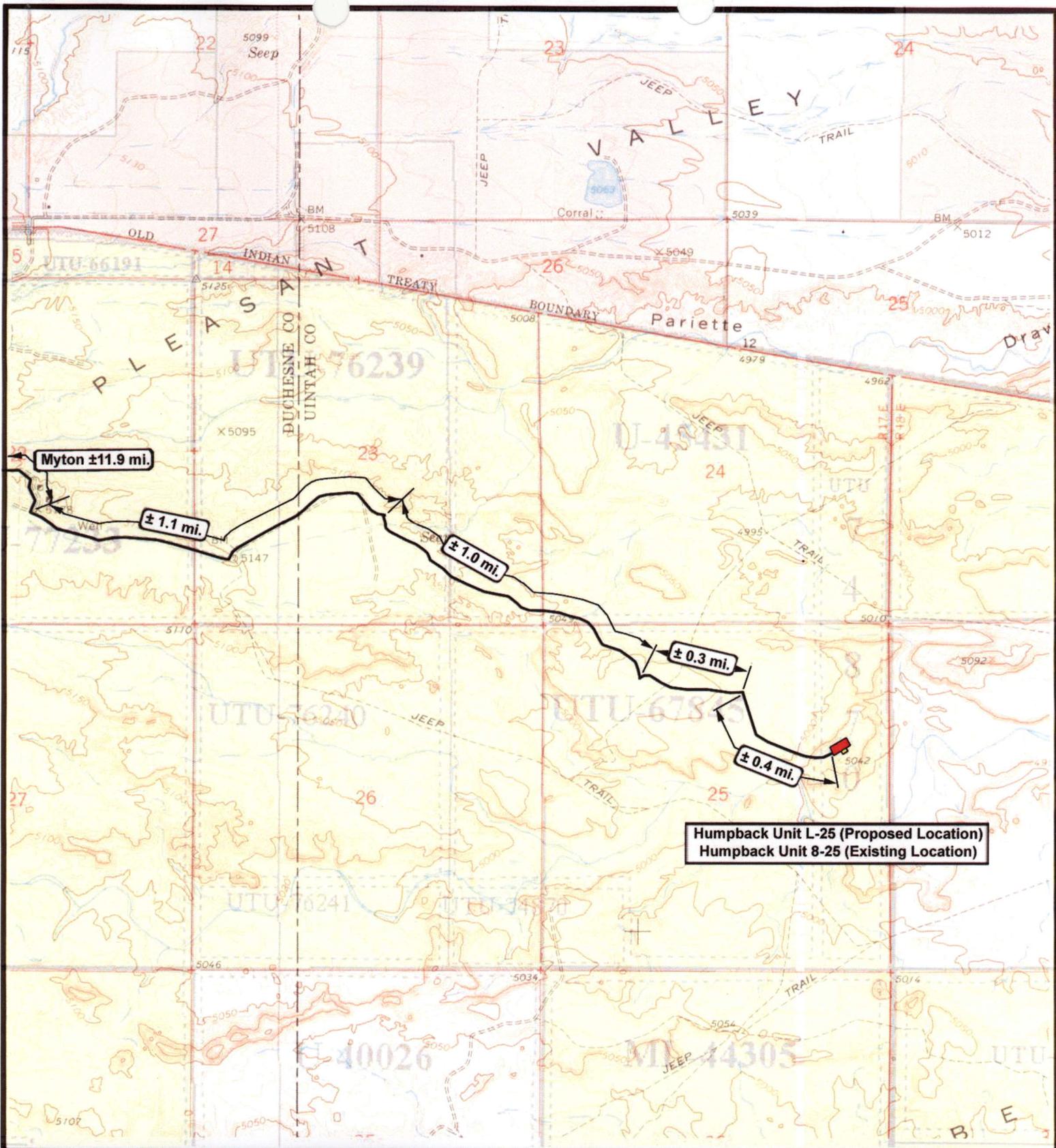
SCALE: 1" = 100,000'
 DRAWN BY: mw
 DATE: 01-17-2007

Legend

Existing Road

TOPOGRAPHIC MAP

"A"




NEWFIELD
 Exploration Company

Humpback Unit L-25-8-17 (Proposed Unit)
Humpback Unit 8-25-8-17 (Existing Location)
 Pad Location SENE SEC. 25, T8S, R17E, S.L.B.&M.



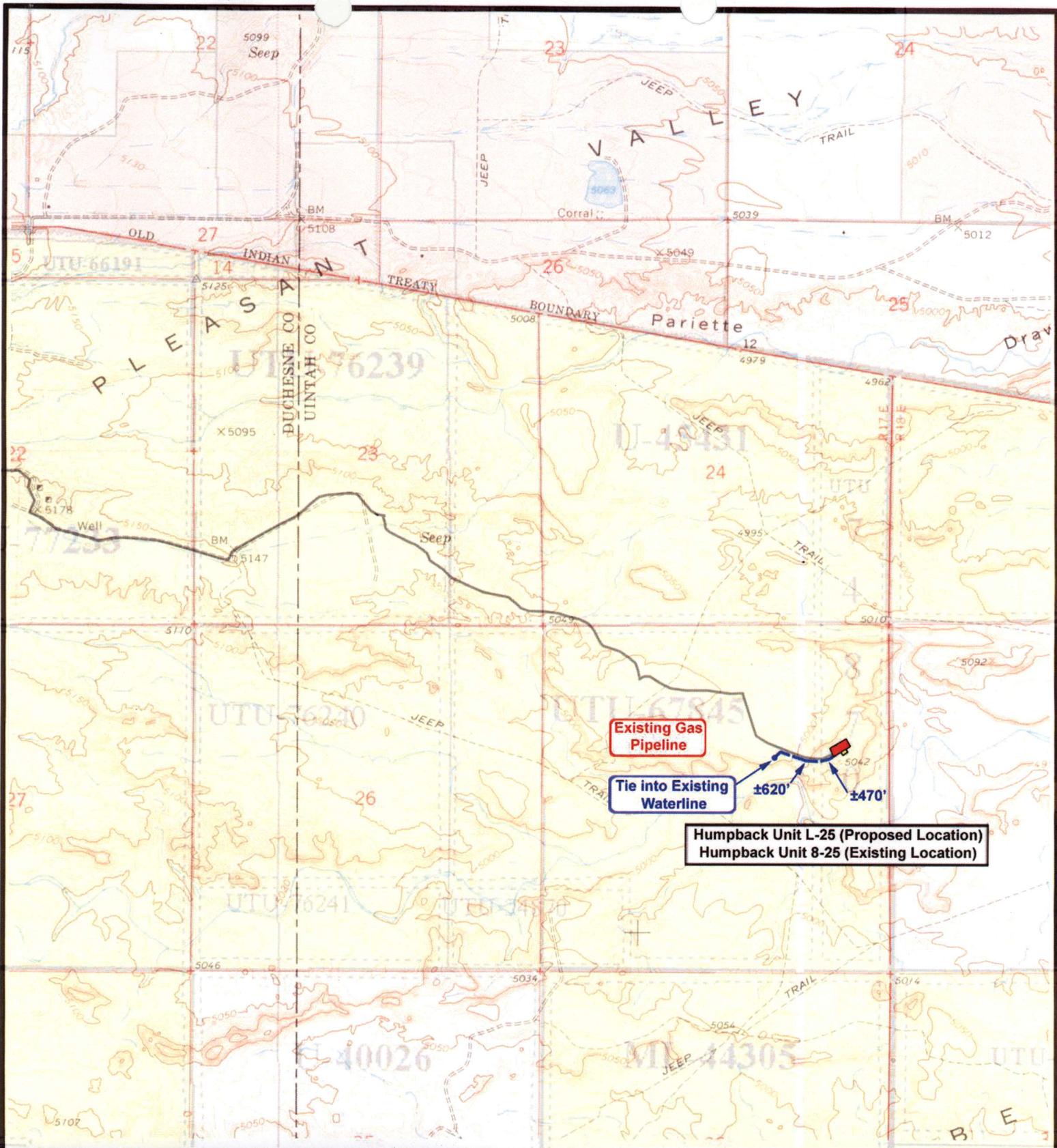

Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1"=2,000'
 DRAWN BY: mw
 DATE: 01-17-2008

Legend

 Existing Road

TOPOGRAPHIC MAP
"B"




NEWFIELD
Exploration Company

Humpback Unit L-25-8-17 (Proposed Location)
Humpback Unit 8-25-8-17 (Existing Location)
Pad Location SENE SEC. 25, T8S, R17E, S.L.B.&M.




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

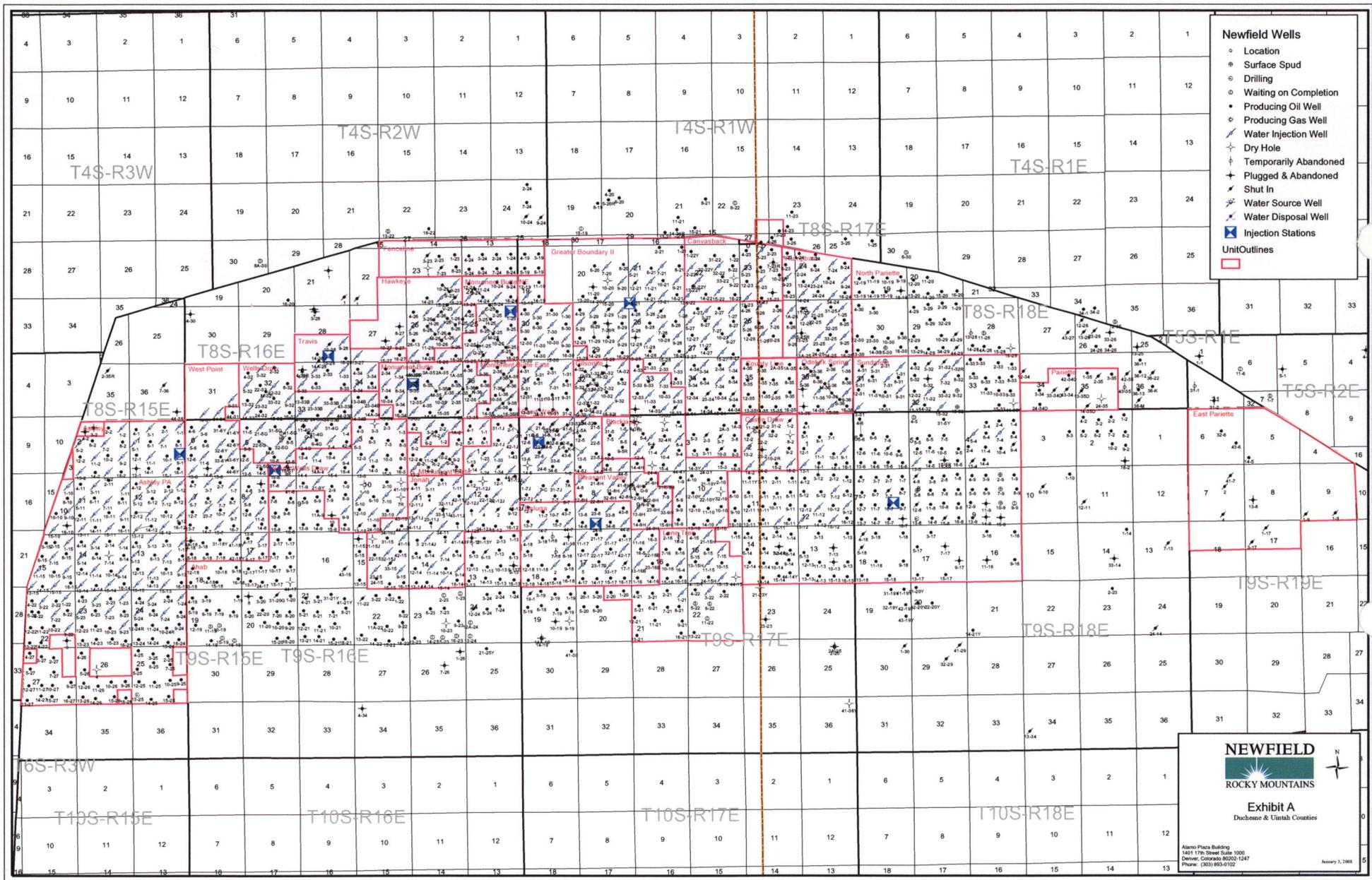
SCALE: 1"=2,000'
DRAWN BY: mw
DATE: 01-17-2008

Legend

-  Roads
-  Proposed Water Line

TOPOGRAPHIC MAP

"C"



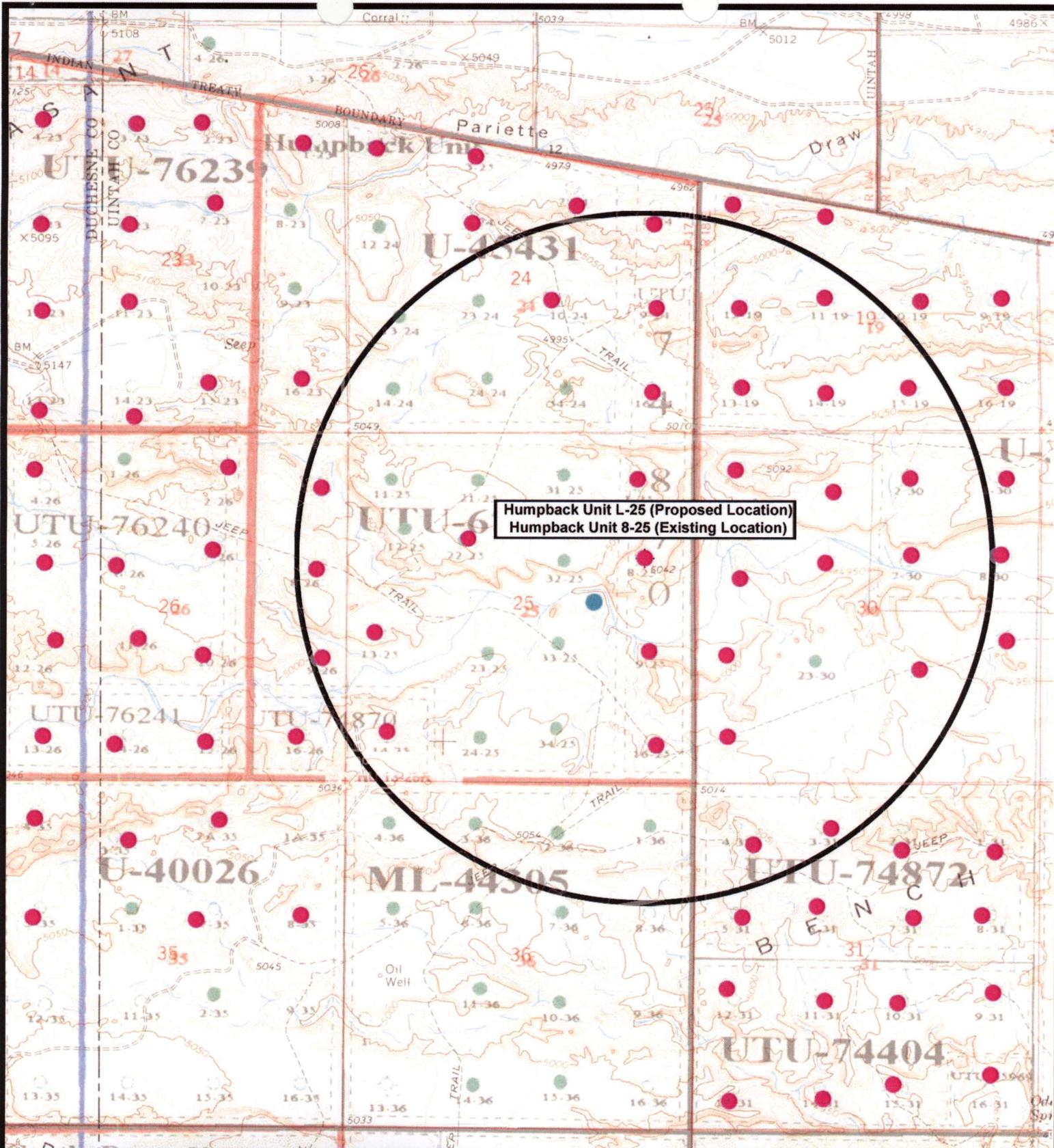
- Newfield Wells**
- Location
 - Surface Spud
 - Drilling
 - Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well
 - Water Injection Well
 - Dry Hole
 - Temporarily Abandoned
 - Plugged & Abandoned
 - Shut In
 - Water Source Well
 - Water Disposal Well
 - Injection Stations
 - Unit Outlines

NEWFIELD
 ROCKY MOUNTAINS

Exhibit A
 Duchesne & Uintah Counties

Alamo Plaza Building
 1401 17th Street Suite 1000
 Denver, Colorado 80202-1247
 Phone: (303) 953-6102

January 3, 2008



NEWFIELD
Exploration Company

Humpback Unit L-25-8-17 (Proposed Location)
Humpback Unit 8-25-8-17 (Existing Location)
Pad Location SENE SEC. 25, T8S, 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: 01-17-2008

Legend

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

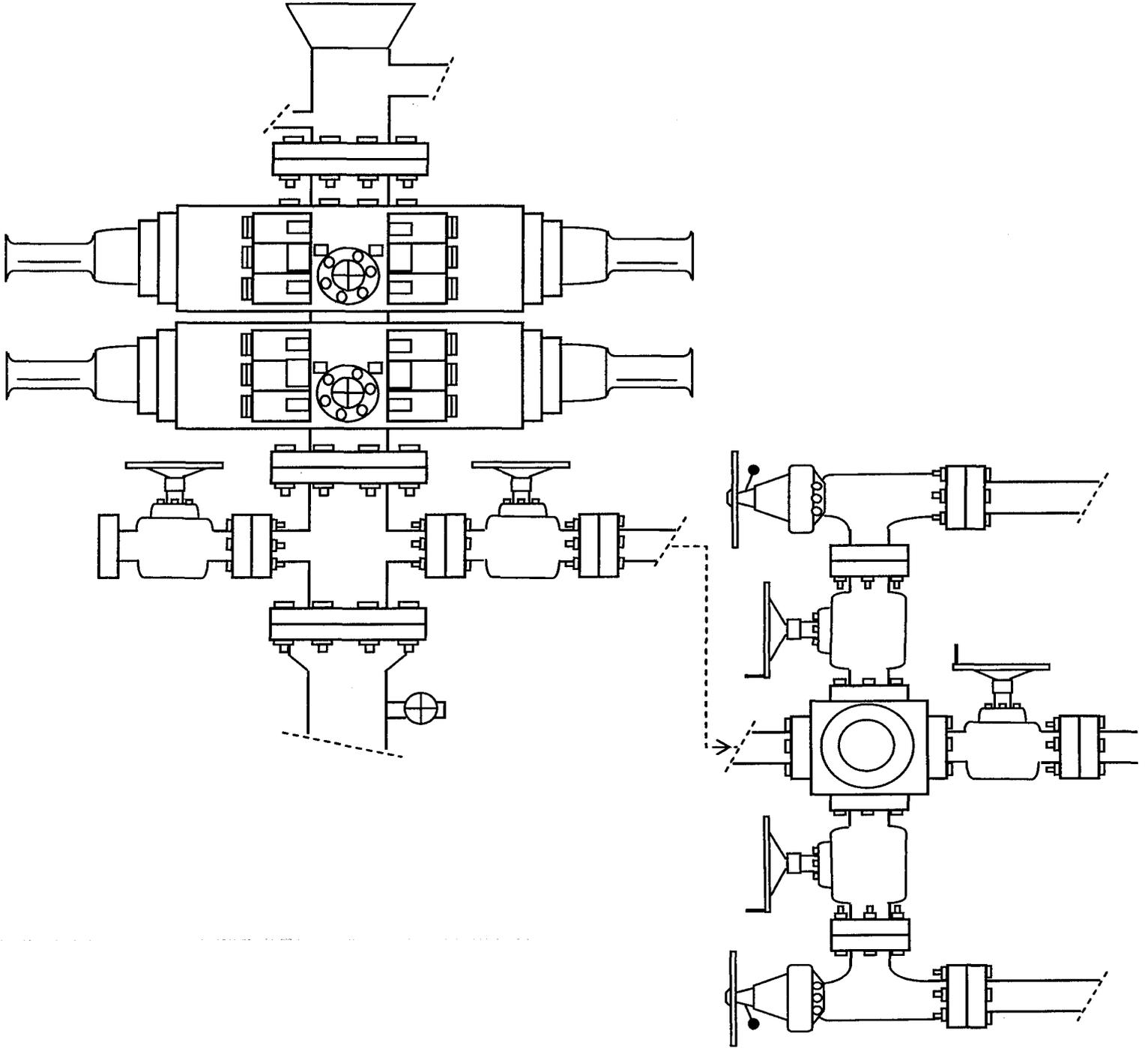


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S PROPOSED THREE WATERLINES
HUMPBACK UNIT L-25-8-17, M-25-8-17, AND R-25-8-17
(TOWNSHIP 8S, RANGE 17E, SECTION 25)
UINTAH COUNTY, UTAH

By:

Elizabeth Hora

Prepared for:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 08-061

April 3, 2008

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

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0188b

NEWFIELD EXPLORATION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
HIGH PRESSURE GAS PIPELINE**

**NW 1/4, NW 1/4, Sec. 36, T 8 S, R 17 E, to NE 1/4, NE 1/4, Sec. 9, T 9 S, R 17 E
(4-36T-8S-17E to 1-9-9-17; & 23-2T-9S-17E)**

AND

TWO 40 ACRE PARCELS

**NW 1/4, NW 1/4, Sec. 28, T 9 S, R 18 E; SW 1/4, SW 1/4, Sec. 2, T 9 S, R 16 E
(4-28-9-18 & 13-2T-9-16)**

AND

WATER PIPELINE TIE-INS

T 8 S, R 16 E (7-25-8-16; 2-34-8-16; 6-34-8-16; 4A-35R-8-16)

T 8 S, R 17 E (8-25-8-17; 22-25-8-17; 24-25-8-17)

T 9 S, R 15 E (8-1-9-15; 16-11-9-15)

T 9 S, R 16 E (6-1-9-16; 16-7-9-16)

**T 9 S, R 17 E (32-4R-9-17; 12-5-9-17; 14-5J-9-17; 43-6-9-17; 34-6-9-17; 43-8-9-17;
1-9-9-17; 15-9H-9-17; 13-10-9-17; 14-10-9-17; 12-12-9-17; 23-8-9-17; 2-22-9-17)**

Duchesne & Uintah Counties, Utah

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
March 25, 2008

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/21/2008

API NO. ASSIGNED: 43-047-40019

WELL NAME: HUMPBAC FED L-25-8-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 25 080S 170E
 SURFACE: 1884 FNL 0746 FEL
 BOTTOM: 2628 FNL 1320 FEL
 COUNTY: UINTAH
 LATITUDE: 40.09095 LONGITUDE: -109.9473
 UTM SURF EASTINGS: 589739 NORTHINGS: 4438173
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-67845
 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: HUMPBAC (GRRV)
- _____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 238-1
Eff Date: 1-1-1997
Siting: Not a suspended General Siting
- R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

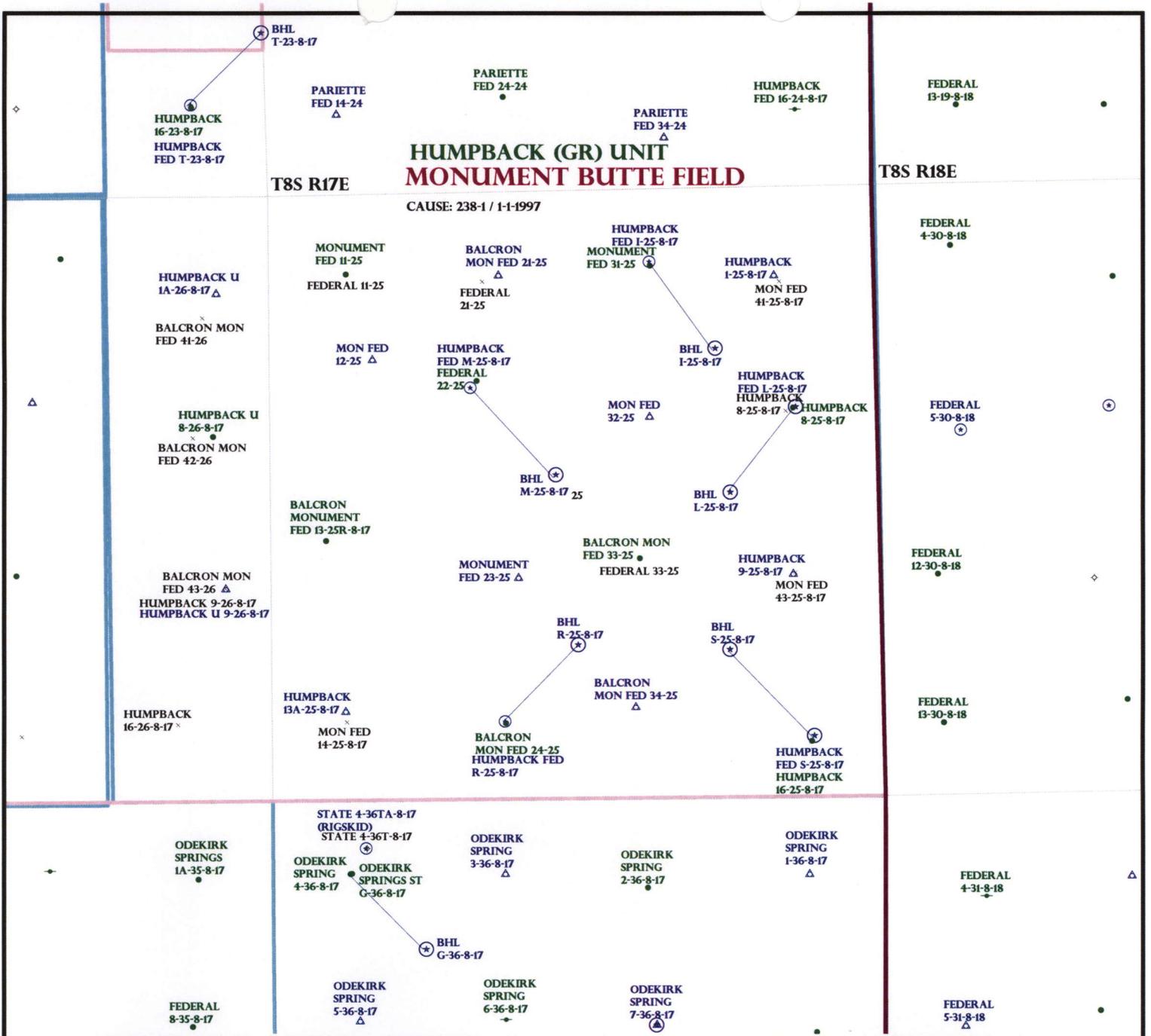
1- Federal Approval

HUMPBACK (GR) UNIT MONUMENT BUTTE FIELD

CAUSE: 238-1 / 1-1-1997

T8S R17E

T8S R18E



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 25 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: UINTAH

CAUSE: 238-1 / 1-1-1997

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

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

- Wells Status**
- ⚡ GAS INJECTION
 - ⚡ GAS STORAGE
 - ⊗ LOCATION ABANDONED
 - ⊕ NEW LOCATION
 - ⊕ PLUGGED & ABANDONED
 - ⊕ PRODUCING GAS
 - ⊕ PRODUCING OIL
 - ⊕ SHUT-IN GAS
 - ⊕ SHUT-IN OIL
 - ⊕ TEMP. ABANDONED
 - ⊕ TEST WELL
 - ⊕ WATER INJECTION
 - ⊕ WATER SUPPLY
 - ⊕ WATER DISPOSAL
 - ⊕ DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 23-APRIL-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

April 23, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Humpback Unit,
Uintah 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 2008 within the Humpback Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-40018	Humpback Fed S-25-8-17	Sec 25 T08S R17E 0525 FSL 0578 FEL BHL Sec 25 T08S R17E 1285 FSL 1335 FEL
43-047-40019	Humpback Fed L-25-8-17	Sec 25 T08S R17E 1884 FNL 0746 FEL BHL Sec 25 T08S R17E 2628 FNL 1320 FEL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:4-23-08



April 24, 2008

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

RE: Directional Drilling
Humpback Federal L-25-8-17
Humpback Unit
UTU-76189X
Surface Hole: T8S R17E, Section 25: SENE
1884' FNL 746' FEL
Bottom Hole: T8S R17E, Section 25
2628' FNL 1320' FEL
Uintah County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated April 11, 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 target location of this well are both within the boundaries of the Humpback Federal Unit UTU-76189X. Newfield certifies that it is the Humpback Unit Operator and all lands within 460 feet of the entire directional well bore are within the Humpback 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. Your consideration of this matter is greatly appreciated.

Sincerely,

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

Roxann Eveland
Land Associate

RECEIVED

APR 28 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

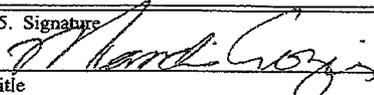
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No. UTU-67845	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. Humpback Unit	
8. Lease Name and Well No. Humpback Federal L-25-8-17	
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 25, T8S R17E	
12. County or Parish Uintah	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximatley 14.7 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) <i>Approx. 0' f/lse, 1320' f/unit</i>	16. No. of Acres in lease 560.00
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. <i>Approx. 1316'</i>
19. Proposed Depth 6560'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5024' GL	22. Approximate date work will start* 3rd Quarter 2008
23. Estimated duration <i>Approximately seven (7) days from spud to rig release.</i>	

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 4/11/08
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

APR 28 2008

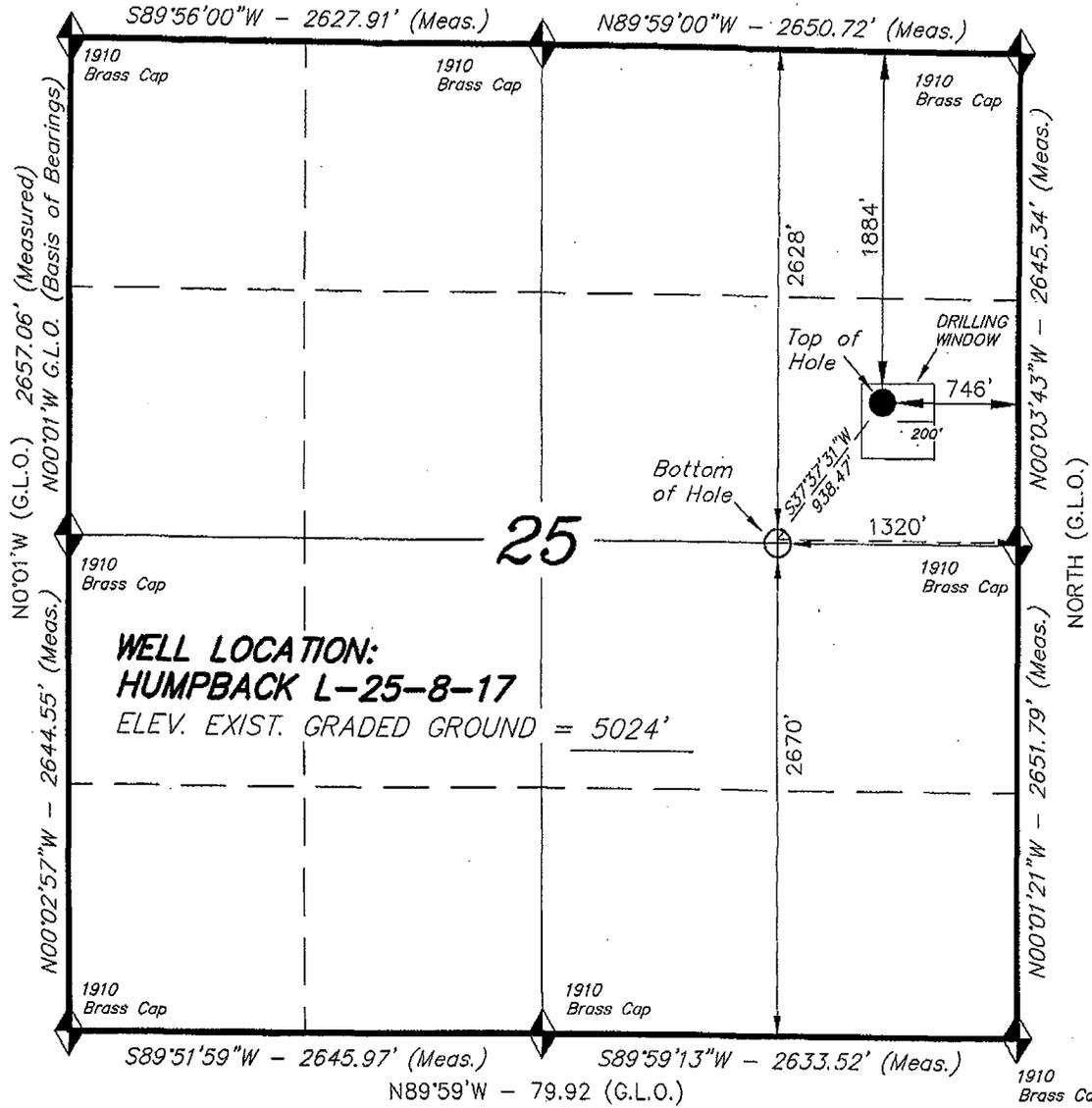
DIV. OF OIL, GAS & MINING

T8S, R17E, S.L.B.&M.

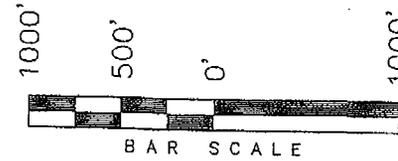
N89°58'W - 79.90 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, HUMPBACK L-25-8-17,
LOCATED AS SHOWN IN THE SE 1/4 NE
1/4 OF SECTION 25, T8S, R17E,
S.L.B.&M. UTAH COUNTY, UTAH.



WELL LOCATION:
HUMPBACK L-25-8-17
 ELEV. EXIST. GRADED GROUND = 5024'



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

REGISTERED LAND SURVEYOR
 STACY W.
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 12-20-07	SURVEYED BY: D.G.
DATE DRAWN: 01-02-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

HUMPBACK L-25-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 05' 27.89"
 LONGITUDE = 109° 56' 53.35"



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

April 29, 2008

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

Re: Humpback Federal L-25-8-17 Well, Surface Location 1884' FNL, 746' FEL, SE NE,
Sec. 25, T. 8 South, R. 17 East, Bottom Location 2628' FNL, 1320' FEL, SE NE,
Sec. 25, T. 8 South, R. 17 East, Uintah 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 43-047-40019.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company
Well Name & Number Humpback Federal L-25-8-17
API Number: 43-047-40019
Lease: UTU-67845

Surface Location: SE NE **Sec.** 25 **T.** 8 South **R.** 17 East
Bottom Location: SE NE **Sec.** 25 **T.** 8 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.

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 2008 APR 16 PM 12:57

Form 3160-3
 (September 2001)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-67845
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. Humpback Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Humpback Federal L-25-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 4304740019
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NE 1884' FNL 746' FEL At proposed prod. zone 2628' FNL 1320' FEL SENE		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.7 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 25, T8S R17E
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	16. No. of Acres in lease 560.00	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. 1316'	19. Proposed Depth 6560'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5024' GL	22. Approximate date work will start* 3rd 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 <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 4/11/08
Title Regulatory Specialist		

Approved by (Signature) <i>Jason Kevizka</i>	Name (Printed/Typed) Jason Kevizka	Date NOV 25 2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

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

*(Instructions on reverse)

NOTICE OF APPROVAL

RECEIVED

DEC 08 2008

DIV. OF OIL, GAS & MINING

08PP0527A
 NOS 2/29/08

UDOGM



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	SENE, Sec. 25, T8S, R17E(S) SENE, Sec. 25, T8S, R17E(B)
Well No:	Humpback Federal L-25-8-17	Lease No:	UTU-67845
API No:	43-047-40019	Agreement:	Humpback Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	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	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

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

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

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

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

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STIPULATIONS: None

Lease Notices from RMP:

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

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

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

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

Comments:

No raptor nests are within ½ mile of the Project area.

Project area does not contain suitable habitat for Burrowing owl nesting.

Mountain plover timing restrictions were not applied to the Project Area because the well will be directionally drilled from an existing location.

Follow-up Actions and/or Recommendations:

Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) shall require additional surveys and clearances.

CONDITIONS OF APPROVAL:

- **Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.**
- **Notify the Authorized Officer 48 hours prior to surface disturbing activities.**
- **Area contains critical soils. To minimize impact to critical soils construction will not take place during wet or muddy conditions.**
- **Interim Reclamation:**

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, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

- All pounds are pure live seed.
 - All seed and mulch will be certified weed free.
 - Rates are set for drill seeding; double rate if broadcasting.
 - Reseeding may be required if initial seeding is not successful.
 - **Final reclamation:**
- Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

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

SITE SPECIFIC DOWNHOLE COAs:

- 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.
- 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.

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_Wellogs@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 (1/4¹/₄, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

UTU-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

HUMPBAC (GR RVR)

8. Well Name and No.

HUMPBAC FEDERAL L-25-8-17

9. API Well No.

43-047-40019

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH 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)

1884 FNL 746 FEL SE/NE Section 25, T8S R17E

12. CHECK APPROPRIATE BOX(es) 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.

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 4.7.2009

Initials: KS

Date: 04-06-09
By: [Signature]

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DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier Title Regulatory Specialist Date 3/30/2009
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

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

API: 43-047-40019
Well Name: Humpback Federal L-25-8-17
Location: SE/NE Section 25, T8S R17E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 4/29/2008

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


Signature

3/30/2009
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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DIV. OF OIL, GAS & MINING

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #
29 Submitted By Don Bastian Phone Number
435-823-6012

Well Name/Number Humpback Federal L-25-8-17
Qtr/Qtr SE/NE Section 25 Township 8 S Range 17 E____
Lease Serial Number UTU-
67845
API Number 43-047-40019

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

Date/Time 10/2/09 8:00 AM PM

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

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

Date/Time 10/2/09 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 10/2/09 Run 8
5/8" Casing @ 2:00 pm on 10/2/09

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: GRRV BHL = Sec 8 SWSW											
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: GRRV											
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: GRRV											
B	99999	12053	43-047-40019	Humpback L-25-8-17	SESE SENE	25	8S	17E	Uintah	10/02/09	10/13/09
WELL 4 COMMENTS: GRRV BHL SENE											
B	99999	11492	43-013-34080	^{-Fed} Jonah T-11-9-16	SESE	11	9S	16E	Duchesne	09/25/09	10/13/09
WELL 5 COMMENTS: GRRV BHL = SESE											
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: GRRV											

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

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DIV. OF OIL, GAS & MINING

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

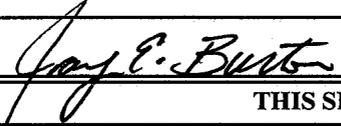
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-67845
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or HUMPBACK UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SENE Section 25 T8S R17E		8. Well Name and No. HUMPBACK L-25-8-17
		9. API Well No. 4304740019
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State UINTAH, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input 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 recompleate 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 recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/2/09 MIRU Ross #29. Spud well @ 2:00pm. Drill 315' of 121/4" hole with air mist. TIH w/7 jt's 85/8" j-55 24# csgn. set @ 320.02KB On 10/9/09 cement with 160 sks of class "G" w/ 2% 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) Jay Burton	Title Drilling Foreman
Signature 	Date 10/09/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

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DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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)

SENE Section 25 T8S R17E

5. Lease Serial No.

USA UTU-67845

6. If Indian, Allottee or Tribe Name.

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

HUMPBAC UNIT

8. Well Name and No.

HUMPBAC L-25-8-17

9. API Well No.

4304740019

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH, 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other _____
			Weekly Status Report _____

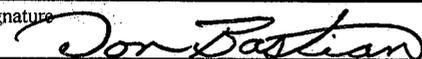
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical 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 recompleation 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 10/18/09 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 @ 268'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6500'. 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, 155 jt's of 5.5 J-55, 15.5# csgn. Set @ 6484.99'/ KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 30 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 70,000 #'s tension. Release rig @ 1:30 am 10/24/09.

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OCT 29 2009
DIV. OF OIL, GAS & MINING

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

Don Bastian

Signature 

Title

Drilling Foreman

Date

10/24/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-67845

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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:
HUMPBACK UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
HUMPBACK L-25-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304740019

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:

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 25, T8S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/12/2009	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

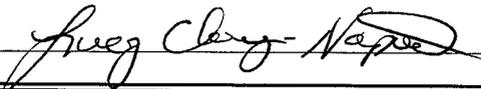
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 11-12-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 11/23/2009

(This space for State use only)

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DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

HUMPBAC L-25-8-17

9/1/2009 To 1/30/2010

11/3/2009 Day: 1

Completion

Rigless on 11/3/2009 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6399' cement top @ 46'. Perforate stage #1. CP5 sds @ 6339-47' w/ 3 1/8" slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 3 spf for total of 24 shots. 153 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$11,210

11/5/2009 Day: 2

Completion

Rigless on 11/5/2009 - Frac well. 2850 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6', 2', 4', 2' perf guns. Set plug @ 6160'. Perforate CP2 sds @ 6086-92', CP1 sds @ 6063-65' & 6053-57' & CP.5 sds @ 5990-92' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00" pen., TAG-3375-311SL) w/ 3 spf for total of 42 shots. RU BJ Services. 1594 psi on well. Broke @ 2268 psi, ISIP @ 1850 psi. Pressure dropped too low. No 1 or 4 mins. recorded. FG @ .74. Frac CP2/CP1/CP.5 sds w/ 80,567#'s of 20/40 sand in 674 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3113 psi w/ ave rate of 47 BPM. ISIP 2340 psi. FG. @ .83. Leave pressure on well. 1277 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 3', 6', 2', 3', 2' perf guns. Set plug @ 5820'. Perforate LODC sds @ 5757-60', 5733-39' & 5719-21', A3 sds @ 5690-93' & A1 sds @ 5629-31' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00" pen., TAG-3375-311SL) w/ 3 spf for total of 48 shots. RU BJ Services. 1160 psi on well. Broke @ 3126 psi. Pressure dropped too low. No shut ins recorded. Frac LODC/A3/A1 sds w/ 150,496#'s of 20/40 sand in 1083 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2463 psi w/ ave rate of 51.9 BPM. ISIP 2000 psi. FG. @ .79. Leave pressure on well. 2360 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 3', 2', 5', 2' perf guns. Set plug @ 5580'. Perforate B2 sds @ 5528-31', 5517-19', 5498-5503', & B1 5474-76' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00" pen., TAG-3375-311SL) w/ 3 spf for total of 36 shots. RU BJ Services. 1246 psi on well. Broke @ 1380 psi. Pressure dropped too low. No shut ins recorded. Frac B2/B1 sds w/ 75,012#'s of 20/40 sand in 651 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2193 psi w/ ave rate of 46.5 BPM. ISIP 1570 psi. FG. @ .72. Leave pressure on well. 3011 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 5', 2', 4', 2' perf guns. Set plug @ 5400'. Perforate C sds @ 5343-48' & 5310-12', D3 sds @ 5225-29' & D2 sds @ 5192-94' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00" pen., TAG-3375-311SL) w/ 3 spf for total of 39 shots. RU BJ Services. 1105 psi on well. Broke @ 1667 psi, ISIP @ 1250 psi. FG @ .67. Frac C/D3/D2 sds w/ 79,341#'s of 20/40 sand in 643 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2607 psi w/ ave rate of 46 BPM. ISIP 1920 psi. FG. @ .80. Leave pressure on well. 3654 BWTR - RU BJ Services. 0 psi on well. Broke @ 3888 psi. ISIP @ 1589 psi, 1 min @ 1242 psi, 4 min @ 962 psi. FG @ .69. Frac CP5 sds w/ 25,492#'s of 20/40 sand in 450 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2261 psi w/ ave rate of 24.0 BPM. ISIP 2043 psi, 5 min @ 1853 psi, 10 min @ 1801 psi, 15 min @ 1777 psi. FG @ .76. Leave pressure on well. 603 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4810'. Perforate GB6 sds @ 51,559' w/ 3 1/8" Slick Guns (.34"EH, 16 gram, 120°, 21.00" pen., TAG-3375-311SL) w/ 3 spf for total of 30 shots. RU BJ Services. 1390 psi on well. Broke @ 3966

psi. Pressure dropped too low. No shut ins recorded. Frac GB6 sds w/ 51,559#'s of 20/40 sand in 492 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1805 psi w/ ave rate of 24.2 BPM. ISIP 2025 psi. FG. @ .87. RD BJ Services & wireline truck. Open well to pit for immediate flowback. Well flowed for 9 hrs & turned to oil. Recovered 1296 bbls. SWIFN. 2850 BWTR.

Daily Cost: \$0

Cumulative Cost: \$139,208

11/9/2009 Day: 3

Completion

Rigless on 11/9/2009 - Set kill plug. - 400 psi on well. RU The Perforators wireline truck & crane. Set composite kill plug @ 4645'. Bleed off well. RD wireline truck. SWIFN. 2850 BWTR.

Daily Cost: \$0

Cumulative Cost: \$174,578

11/10/2009 Day: 5

Completion

NC #1 on 11/10/2009 - Continue I/Hle W/-Tbg, Drill Drill Out All Plugs, Clean Out To PBSD @ 6443', POOH W/-4 Jts Tbg, EOB @ 6338', Made 3 Swab Runs Recvred 35 BW, SWI. - 1:30AM MIRU NC#1, 7 Mile Rig Move. N/D Camron BOP & Frac Flnge, N/U 3,000 Flnge & Scafer BOP, R/U Flr. P/U & RIH W/-4 3/4" Bit, Bit Sub, 69 Jts Tbg, EOB @ 2242', SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. 2850 BWTR - 1:30AM MIRU NC#1, 7 Mile Rig Move. N/D Camron BOP & Frac Flnge, N/U 3,000 Flnge & Scafer BOP, R/U Flr. P/U & RIH W/-4 3/4" Bit, Bit Sub, 69 Jts Tbg, EOB @ 2242', SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. 2850 BWTR - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, RIH W/-74 Jts Tbg To Plg @ 4645', R/U Weatherford Pwr Swvl, R/U R/pmp, Drill Up Plg, 20 Min Drill Time, Swvl I/Hle To Plg @ 4810', Drill Up Plg, 30 Min Drill Time, Swvl I/Hle To Plg @ 5400', Drill Up Plg, 40 Min Drill Time, Swvl I/Hle To Plg @ 5580', Drill Up Plg, 35 Min Drill Time, Swvl I/Hle To Plg @ 5820', Drill Up Plg, 40 Min Drill Time, Swvl I/Hle To Plg @ 6160', Drill Up Plg, 25 Min Drill Time, Swvl I/Hle To Fill @ 6357', Drill & C/Out To PBSD @ 6443', Curc Well Clean 1 Hr, R/D Swvl, POOH W/-4 Jts Tbg, EOB @ 6338', R/U Swab RIH IFL @ Surf, Made 3 Swab Runs Recvred 35 BW, FFL @ 600'. SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. Well Gained 167 BW On Drill Out To PBSD. 2648 BWTR. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, RIH W/-74 Jts Tbg To Plg @ 4645', R/U Weatherford Pwr Swvl, R/U R/pmp, Drill Up Plg, 20 Min Drill Time, Swvl I/Hle To Plg @ 4810', Drill Up Plg, 30 Min Drill Time, Swvl I/Hle To Plg @ 5400', Drill Up Plg, 40 Min Drill Time, Swvl I/Hle To Plg @ 5580', Drill Up Plg, 35 Min Drill Time, Swvl I/Hle To Plg @ 5820', Drill Up Plg, 40 Min Drill Time, Swvl I/Hle To Plg @ 6160', Drill Up Plg, 25 Min Drill Time, Swvl I/Hle To Fill @ 6357', Drill & C/Out To PBSD @ 6443', Curc Well Clean 1 Hr, R/D Swvl, POOH W/-4 Jts Tbg, EOB @ 6338', R/U Swab RIH IFL @ Surf, Made 3 Swab Runs Recvred 35 BW, FFL @ 600'. SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. Well Gained 167 BW On Drill Out To PBSD. 2648 BWTR.

Daily Cost: \$0

Cumulative Cost: \$185,681

11/11/2009 Day: 6

Completion

NC #1 on 11/11/2009 - OWU W/-350 Psi On Tbg, 360 Psi On Csg, Flowed 18 Bbls Oil, R/U Swab Recver 40 BW, Well Flowed 289 Bbls Oil, SWI.C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-350 Psi On Tbg, 360 Psi On Csg, Well Flowed 18 Bbls Oil & Died Off To Lite Flow. R/U Swab RIH Made 3 Swab Runs, Recvred 40 BW. Well Started Flowing. Flowed 289 Bbls Oil. SWI, 4:00PM C/SDFN, 4:00PM - 4:30PM C/Trvl. 2608 BWTR.

Daily Cost: \$0

Cumulative Cost: \$191,319

11/12/2009 Day: 7**Completion**

NC #1 on 11/12/2009 - Kill Well, Cln Out To PBTD, Trip Tbg Procucon String, RIH W/-pmp & Rod Production String, POP - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-500 Psi On Tbg, 575 Psi On Csg, R/U R/pmp, pmp 20 Bbls Brine Wtr D/Tbg, RIH W/-4 Jts Tbg To PBTD @ 6443', Curc Well Cln. POOH W/-199 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Bull Plg, 3 Jts Tbg, 2 7/8 X.32 Nipple, PBGA, 1 Jt Tbg, S/N, 1 Jt Tbg, T/A, 187 Jts Tbg, R/D R/Flr, N/D BOP, Set 5 1/2 T/A In 18,000 Tension, N/U W/-HD. P/U Stroke & RIH W/-Central Hydraulic 2 1/2X1 3/4X16X20' RHAC, 4-1 1/2 Wt Bars, 240 7/8 Guided Rods, 7/8X4' Pony Rod, 1 1/2X30' Polish Rod, Seat pmp, Fill Tbg W/- BW, Stroke Unit & Tbg To 800 Psi, Good Test. Rack Out Eq R/D Rig. 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. POP @ 5:00PM, 144" SL, 5 SPM, 2798 BWTR, (Final Report). **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$237,143

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

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

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

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

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

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

At surface 1884' FNL & 746' FEL (SE/NE) SEC. 25, T8S, R17E

At top prod. interval reported below 2470' FNL & 1219' FEL

At total depth 2470' FSL & 1461 FEL (NW/SE)

14. Date Spudded 10/02/2009

15. Date T.D. Reached 10/24/2009

16. Date Completed 11/12/2009
 D & A Ready to Prod.

18. Total Depth: MD 6495'
TVD 6371'

19. Plug Back T.D.: MD 6399'
TVD 6276

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#	0	315'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6485'		350 PRIMLITE 425 50/50 POZ		46'	

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@ 6258'	TA @ 6085'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			SEE BELOW			
B) GREEN RIVER			4197-6347			
C) GREEN RIVER						
D) GREEN RIVER						

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

Depth Interval	Amount and Type of Material
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
11/12/09	11/27/09	24	→	282	104	19			2-1/2" x 1-3/4" x 16' x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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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.)

SOLD

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	4148' 4326'
				GARDEN GULCH 2 POINT 3	4451' 4721'
				X MRKR Y MRKR	4950' 4986'
				DOUGALS CREEK MRK BI CARBONATE MRK	5112' 5369'
				B LIMESTON MRK CASTLE PEAK	5539' 5972'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6387' 6488'

32. Additional remarks (include plugging procedure):

- Stage 1: Green River Formation (CP5) 6339-6347' .49" 3/24 Frac w/ 25492#'s of 20/40 sand in 244 bbls of Lightning 17 fluid
 Stage 2: Green River Formation (CP1, CP2, & CP.5) 5990-6092' .34" 3/42 Frac w/ 80567#'s of 20/40 sand in 487 bbls of Lightning 17 fluid
 Stage 3: Green River Formation (A1, A3, & LODC) 5629-5760' .34" 3/48 Frac w/ 150496#'s of 20/40 sand in 903 bbls of Lightning 17 fluid
 Stage 4: Green River Formation (B1 & B2) 5474-5531' .34" 3/36 Frac w/ 75012#'s of 20/40 sand in 465 bbls of Lightning 17 fluid
 Stage 5: Green River Formation (C, D3, & D2) 5192-5348' .34" 3/39 Frac w/ 79341#'s of 20/40 sand in 478 bbls of Lightning 17 fluid
 Stage 6: Green River Formation (GB6) 4697-4707' .34" 3/30 Frac w/ 51559#'s of 20/40 sand in 338 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 *Lucy Chavez-Naupoto* Date 12/17/2009

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.

(Continued on page 3)

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(Form 3160-4, page 2)

DEC 22 2009

DIV. OF OIL, GAS & MINING



NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 25
L-25-8-17

Wellbore #1

Survey: Survey #1

Standard Survey Report

11 December, 2009

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DEC 22 2009

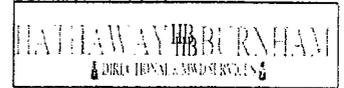
DIV. OF OIL, GAS & MINING

HATHAWAY ^{HB} BURNHAM
DIRECTIONAL & MWD SERVICES



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 25
 Well: L-25-8-17
 Wellbore: Wellbore #1
 Design: Wellbore #1

Local Co-ordinate Reference: Well L-25-8-17
 TVD Reference: L-25-8-17 @ 5036.0ft (NEWFIELD RIG)
 MD Reference: L-25-8-17 @ 5036.0ft (NEWFIELD RIG)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

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

Site	SECTION 25, SEC 25, T8S R17E				
Site Position:		Northing:	7,205,740.18 ft	Latitude:	40° 5' 29.100 N
From:	Lat/Long	Easting:	2,071,736.28 ft	Longitude:	109° 57' 29.500 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.99 °

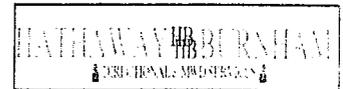
Well	L-25-8-17, SHL LAT: 40 05 27.89, LONG: -109 56 53.35					
Well Position	+N/-S	0.0 ft	Northing:	7,205,666.34 ft	Latitude:	40° 5' 27.890 N
	+E/-W	0.0 ft	Easting:	2,074,547.27 ft	Longitude:	109° 56' 53.350 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,026.0 ft	Ground Level:	5,024.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/10/17	11.47	65.91	52,510

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	217.68	

Survey Program	Date 2009/12/11				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
421.0	6,495.0	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
421.0	0.14	125.20	421.0	-0.3	0.4	0.0	0.03	0.03	0.00
451.0	0.26	81.98	451.0	-0.3	0.5	-0.1	0.62	0.40	-144.07
482.0	0.07	319.61	482.0	-0.3	0.6	-0.1	0.98	-0.61	-394.74
512.0	0.22	167.37	512.0	-0.3	0.6	-0.1	0.95	0.50	-507.47
543.0	0.51	222.63	543.0	-0.5	0.5	0.1	1.37	0.94	178.26
574.0	0.80	218.93	574.0	-0.8	0.3	0.4	0.94	0.94	-11.94
604.0	1.12	216.30	604.0	-1.2	0.0	0.9	1.08	1.07	-8.77
635.0	1.58	213.31	635.0	-1.8	-0.5	1.7	1.50	1.48	-9.65
665.0	2.15	213.05	665.0	-2.6	-1.0	2.6	1.90	1.90	-0.87
695.0	2.77	213.16	694.9	-3.7	-1.7	3.9	2.07	2.07	0.37
726.0	3.16	219.49	725.9	-4.9	-2.6	5.5	1.64	1.26	20.42
756.0	3.43	222.01	755.8	-6.2	-3.8	7.2	1.02	0.90	8.40



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 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)
787.0	3.72	223.31	786.8	-7.7	-5.1	9.2	0.97	0.94	4.19
818.0	4.04	221.73	817.7	-9.2	-6.5	11.3	1.09	1.03	-5.10
848.0	4.44	218.91	847.6	-10.9	-7.9	13.5	1.50	1.33	-9.40
879.0	4.94	219.84	878.5	-12.9	-9.5	16.0	1.63	1.61	3.00
910.0	5.34	218.66	909.4	-15.0	-11.3	18.8	1.33	1.29	-3.81
942.0	5.78	216.94	941.3	-17.5	-13.2	21.9	1.47	1.38	-5.38
974.0	6.09	218.72	973.1	-20.1	-15.2	25.2	1.13	0.97	5.56
1,005.0	6.30	218.70	1,003.9	-22.7	-17.3	28.5	0.68	0.68	-0.06
1,037.0	6.80	217.70	1,035.7	-25.6	-19.6	32.2	1.60	1.56	-3.13
1,068.0	7.36	216.89	1,066.5	-28.6	-21.9	36.0	1.83	1.81	-2.61
1,100.0	7.70	216.50	1,098.2	-32.0	-24.4	40.2	1.07	1.06	-1.22
1,132.0	7.98	216.50	1,129.9	-35.5	-27.0	44.6	0.88	0.88	0.00
1,163.0	8.50	216.00	1,160.6	-39.1	-29.6	49.0	1.69	1.68	-1.61
1,195.0	9.03	215.51	1,192.2	-43.0	-32.5	53.9	1.67	1.66	-1.53
1,226.0	9.50	215.50	1,222.8	-47.1	-35.4	58.9	1.52	1.52	-0.03
1,258.0	9.80	215.20	1,254.3	-51.4	-38.5	64.2	0.95	0.94	-0.94
1,290.0	10.26	216.96	1,285.8	-55.9	-41.7	69.8	1.73	1.44	5.50
1,321.0	10.84	217.09	1,316.3	-60.5	-45.2	75.5	1.87	1.87	0.42
1,353.0	11.45	217.07	1,347.7	-65.4	-48.9	81.7	1.91	1.91	-0.06
1,385.0	11.89	217.44	1,379.1	-70.6	-52.8	88.1	1.39	1.38	1.16
1,416.0	12.44	217.99	1,409.4	-75.7	-56.8	94.7	1.81	1.77	1.77
1,512.0	13.45	218.03	1,502.9	-92.7	-70.1	116.2	1.05	1.05	0.04
1,607.0	13.84	218.80	1,595.2	-110.2	-84.0	138.6	0.45	0.41	0.81
1,702.0	14.22	218.69	1,687.4	-128.2	-98.4	161.6	0.40	0.40	-0.12
1,797.0	14.02	217.86	1,779.5	-146.4	-112.8	184.8	0.30	-0.21	-0.87
1,892.0	13.27	216.04	1,871.8	-164.3	-126.2	207.2	0.91	-0.79	-1.92
1,987.0	12.24	213.19	1,964.5	-181.5	-138.2	228.1	1.27	-1.08	-3.00
2,082.0	12.03	213.24	2,057.4	-198.2	-149.1	248.0	0.22	-0.22	0.05
2,178.0	11.84	217.35	2,151.3	-214.4	-160.6	267.9	0.91	-0.20	4.28
2,273.0	12.46	222.78	2,244.2	-229.7	-173.4	287.8	1.37	0.65	5.72
2,368.0	12.74	222.23	2,336.9	-245.0	-187.4	308.5	0.32	0.29	-0.58
2,462.0	12.24	218.69	2,428.7	-260.4	-200.6	328.8	0.97	-0.53	-3.77
2,558.0	13.47	220.14	2,522.3	-276.9	-214.2	350.1	1.32	1.28	1.51
2,653.0	13.36	219.75	2,614.7	-293.8	-228.3	372.1	0.15	-0.12	-0.41
2,748.0	11.83	214.81	2,707.4	-310.3	-240.9	392.8	1.97	-1.61	-5.20
2,843.0	11.98	215.17	2,800.3	-326.3	-252.2	412.4	0.18	0.16	0.38
2,938.0	12.94	217.95	2,893.1	-342.8	-264.4	432.9	1.19	1.01	2.93
3,033.0	13.38	219.70	2,985.6	-359.6	-277.9	454.5	0.62	0.46	1.84
3,128.0	11.89	214.19	3,078.3	-376.2	-290.5	475.3	2.02	-1.57	-5.80
3,223.0	10.32	206.91	3,171.5	-391.9	-299.8	493.4	2.21	-1.65	-7.66
3,318.0	10.37	207.27	3,265.0	-407.0	-307.6	510.2	0.09	0.05	0.38
3,413.0	11.07	208.67	3,358.3	-422.6	-315.9	527.6	0.79	0.74	1.47
3,508.0	11.91	208.67	3,451.4	-439.2	-325.0	546.3	0.88	0.88	0.00
3,603.0	9.84	211.22	3,544.7	-454.8	-333.9	564.0	2.24	-2.18	2.68
3,698.0	11.38	212.45	3,638.1	-469.6	-343.1	581.4	1.64	1.62	1.29
3,794.0	10.52	215.90	3,732.3	-484.7	-353.3	599.6	1.13	-0.90	3.59
3,889.0	10.81	216.30	3,825.7	-498.9	-363.7	617.2	0.32	0.31	0.42
3,984.0	11.27	219.81	3,918.9	-513.3	-374.9	635.4	0.86	0.48	3.69
4,079.0	11.62	218.12	4,012.1	-527.9	-386.8	654.2	0.51	0.37	-1.78
4,174.0	11.80	219.60	4,105.1	-542.9	-398.9	673.5	0.37	0.19	1.56
4,269.0	12.41	220.54	4,198.0	-558.2	-411.7	693.4	0.67	0.64	0.99
4,364.0	13.67	222.30	4,290.5	-574.2	-425.9	714.8	1.39	1.33	1.85
4,459.0	14.02	221.62	4,382.8	-591.1	-441.1	737.4	0.41	0.37	-0.72
4,554.0	14.53	224.23	4,474.8	-608.3	-457.0	760.8	0.86	0.54	2.75



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 25
 Well: L-25-8-17
 Wellbore: Wellbore #1
 Design: Wellbore #1

Local Co-ordinate Reference: Well L-25-8-17
 TVD Reference: L-25-8-17 @ 5036.0ft (NEWFIELD RIG)
 MD Reference: L-25-8-17 @ 5036.0ft (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)
4,649.0	13.97	220.45	4,566.9	-625.5	-472.8	784.1	1.14	-0.59	-3.98
4,743.0	13.65	219.35	4,658.2	-642.7	-487.2	806.5	0.44	-0.34	-1.17
4,839.0	12.59	221.44	4,751.7	-659.4	-501.3	828.2	1.21	-1.10	2.18
4,935.0	12.83	222.58	4,845.3	-675.0	-515.4	849.3	0.36	0.25	1.19
5,030.0	12.48	221.51	4,938.0	-690.5	-529.4	870.1	0.44	-0.37	-1.13
5,125.0	12.30	218.54	5,030.8	-706.1	-542.5	890.4	0.70	-0.19	-3.13
5,220.0	12.93	215.76	5,123.5	-722.6	-555.0	911.2	0.92	0.66	-2.93
5,300.7	11.97	216.04	5,202.3	-736.7	-565.2	928.5	1.19	-1.19	0.35
L-25-8-17 TGT									
5,315.0	11.80	216.10	5,216.3	-739.1	-566.9	931.5	1.19	-1.19	0.39
5,409.0	13.32	219.88	5,308.1	-755.2	-579.5	951.9	1.84	1.62	4.02
5,504.0	14.35	221.26	5,400.3	-772.4	-594.3	974.6	1.14	1.08	1.45
5,599.0	13.75	218.21	5,492.5	-790.2	-609.1	997.6	1.00	-0.63	-3.21
5,695.0	12.94	213.95	5,585.9	-808.0	-622.1	1,019.8	1.33	-0.84	-4.44
5,790.0	15.10	218.14	5,678.0	-826.6	-635.7	1,042.8	2.51	2.27	4.41
5,885.0	13.65	224.49	5,770.1	-844.3	-651.2	1,066.3	2.25	-1.53	6.68
5,980.0	11.60	221.57	5,862.8	-859.5	-665.4	1,086.9	2.26	-2.16	-3.07
6,075.0	11.40	222.06	5,955.9	-873.6	-678.0	1,105.8	0.23	-0.21	0.52
6,170.0	11.01	219.76	6,049.0	-887.5	-690.1	1,124.3	0.62	-0.41	-2.42
6,265.0	8.99	214.01	6,142.6	-900.7	-700.1	1,140.7	2.37	-2.13	-6.05
6,360.0	7.84	213.38	6,236.6	-912.2	-707.8	1,154.6	1.21	-1.21	-0.66
6,431.0	6.44	206.19	6,307.0	-919.8	-712.2	1,163.3	2.34	-1.97	-10.13
6,495.0	6.44	206.19	6,370.6	-926.3	-715.4	1,170.4	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
L-25-8-17 TGT	0.00	0.00	5,200.0	-743.1	-574.0	7,204,913.46	2,073,986.31	40° 5' 20.546 N	109° 57' 0.735 W
- hit/miss target									
- Shape									
- survey misses by 11.1ft at 5300.7ft MD (5202.3 TVD, -736.7 N, -565.2 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

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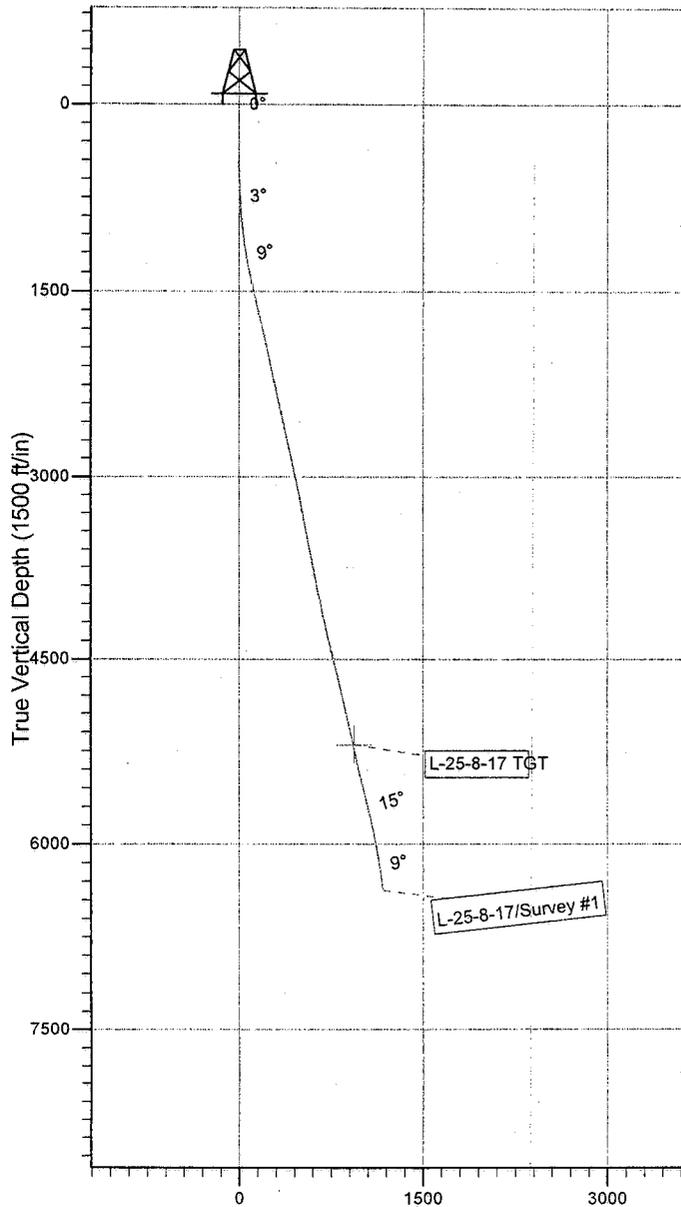
Project: USGS Myton SW (UT)
Site: SECTION 25
Well: L-25-8-17
Wellbore: Wellbore #1
SURVEY: Wellbore #1

FINAL SURVEY REPORT

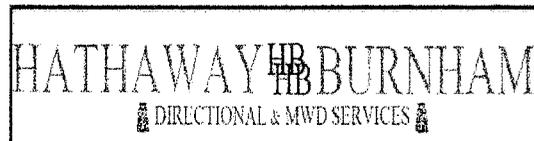
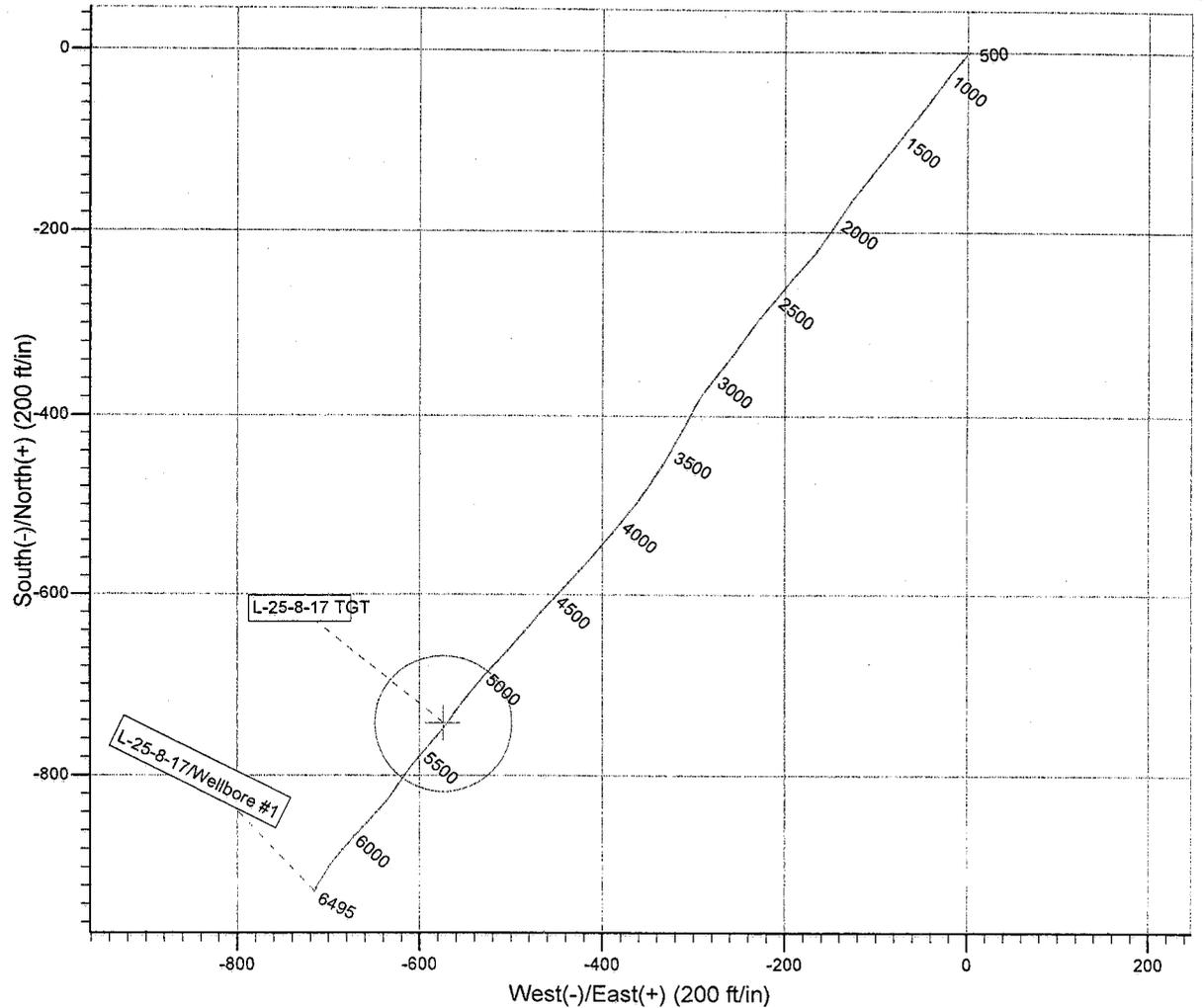


Azimuths to True North
Magnetic North: 11.47°

Magnetic Field
Strength: 52510.4snT
Dip Angle: 65.91°
Date: 2009/10/17
Model: IGRF200510



Vertical Section at 217.68° (1500 ft/in)



Survey: Survey #1 (L-25-8-17/Wellbore #1)

Created By: *Tom Hudson* Date: 9:14, December 11 2009
THIS SURVEY IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.