

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-66184
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. Ashley PA AB
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Ashley Federal K-15-9-15
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-113-33940
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1720' FNL 762' FEL At proposed prod. zone 2585' FNL 110' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 13.9 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 15, T9S R15E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1375' f/lse, 3960' f/unit	16. No. of Acres in lease 1,360.57	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. 1487'	19. Proposed Depth 6290'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6256' GL	22. Approximate date work will start* 2nd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/17/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 03-31-08
Title Office ENVIRONMENTAL MANAGER		

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

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

\*(Instructions on reverse)

Surf  
567322X  
4431560Y  
40.03347  
- 110.21095

Federal Approval of this  
Action is Necessary

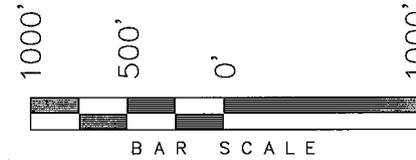
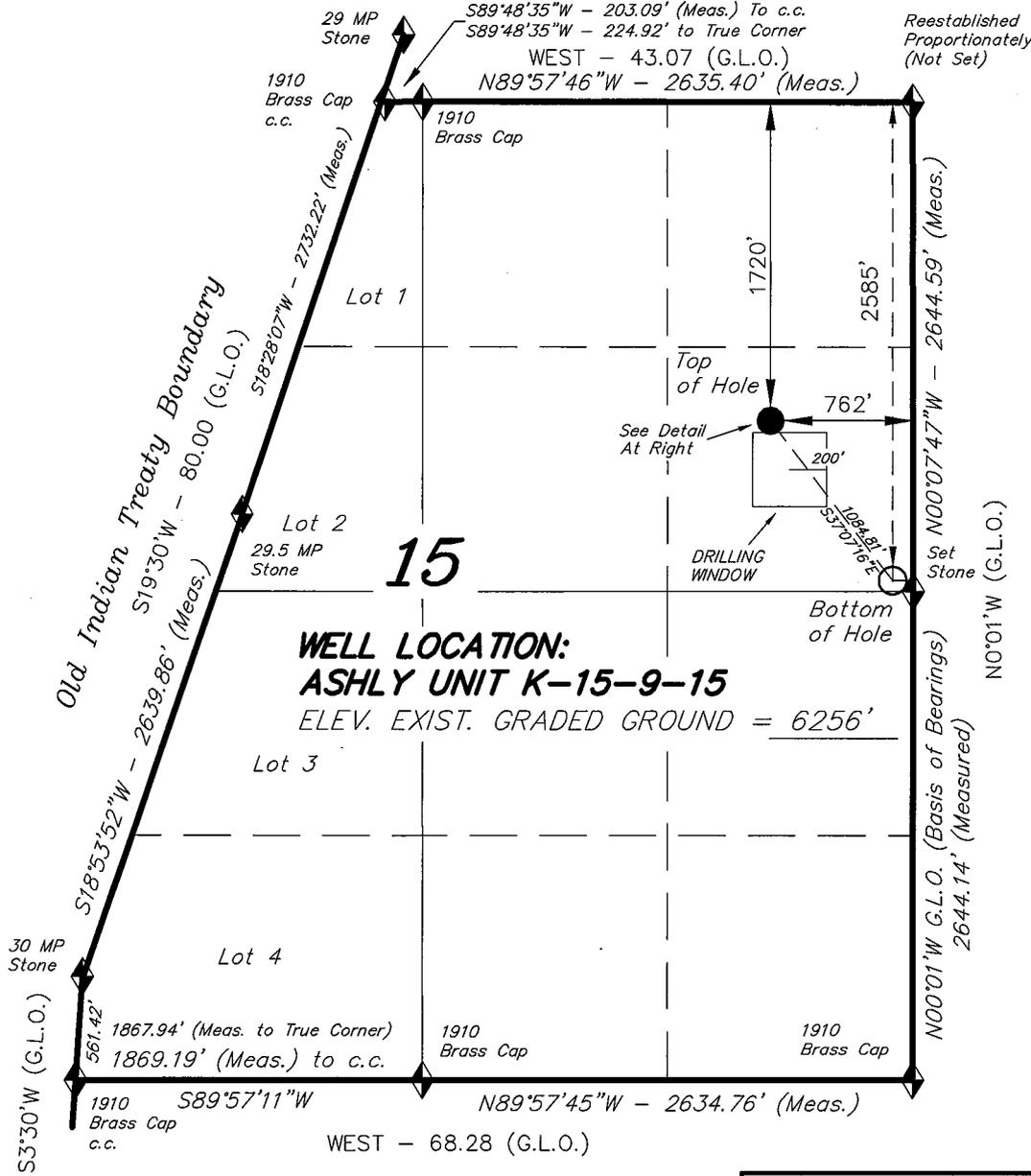
BHL  
567521X  
4431296Y  
40.03107  
- 110.20865

RECEIVED  
MAR 19 2008  
DIV. OF OIL, GAS & MINING

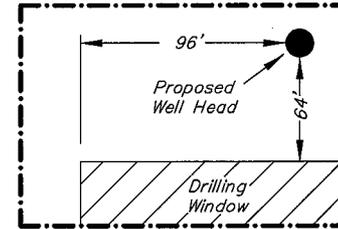
# T9S, R15E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT K-15-9-15,  
 LOCATED AS SHOWN IN THE SE 1/4 NE  
 1/4 OF SECTION 15, T9S, R15E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.

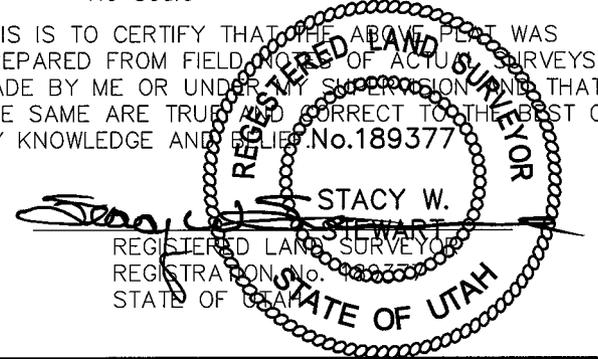


**Note:**  
 1. The bottom of hole footages  
 are 2585' FNL & 110' FEL.



**Detail**  
 No Scale

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



### TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 02-04-08	SURVEYED BY: C.M.
DATE DRAWN: 02-07-08	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'

**ASHLEY UNIT K-15-9-15**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 00.38"  
 LONGITUDE = 110° 12' 41.62"

◆ = SECTION CORNERS LOCATED

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

NEWFIELD PRODUCTION COMPANY  
ASHLEY FEDERAL #K-15-9-15  
AT SURFACE: SE/NE SECTION 15, T9S, R15E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1568'
Green River	1568'
Wasatch	6290'

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

Green River Formation 1568' – 6290' - 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  
ASHLEY FEDERAL #K-15-9-15  
AT SURFACE: SE/NE SECTION 15, T9S, R15E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ashley Federal #K-15-9-15 located in the SE 1/4 NE 1/4 Section 15, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles  $\pm$  to its junction with an existing dirt road to the northwest; proceed in a northwesterly direction - 0.4 miles  $\pm$  to its junction with an existing road to the southwest; proceed in a southwesterly direction - 1.2 miles  $\pm$  to its junction with the beginning of the access road to the existing Ashley Federal 8-15-9-15 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 Ashley Federal 8-15-9-15 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 Ashley Federal 8-15-9-15 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Ashley Federal K-15-9-15. 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 Ashley Federal K-15-9-15 will be drilled off of the existing Ashley Federal 8-15-9-15 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 540' of disturbed area be granted in Lease UTU-66184 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 540' of proposed water injection pipeline is attached. 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**

**Ferruginous Hawk:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for

two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**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>	3 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	1 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	0.5 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.10 lbs/acre

**Details of the On-Site Inspection**

The proposed Ashley Federal K-15-9-15 was on-sited on 2/28/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), and Dave Gordon (Bureau of Land Management). Weather conditions were clear and ground covered by snow.

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

Representative

Name: Kevan Stevens  
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 #K-15-9-15 Section 15, Township 9S, Range 15E: Lease UTU-66184 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

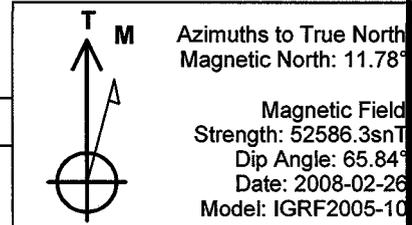
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/17/08

Date

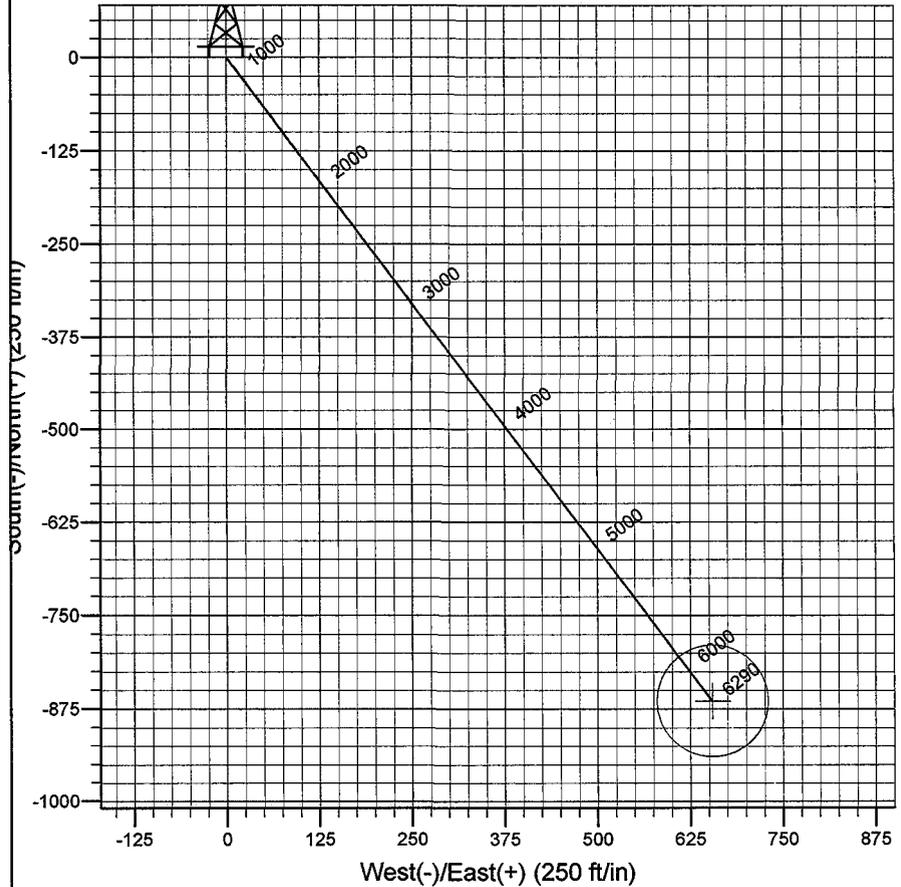
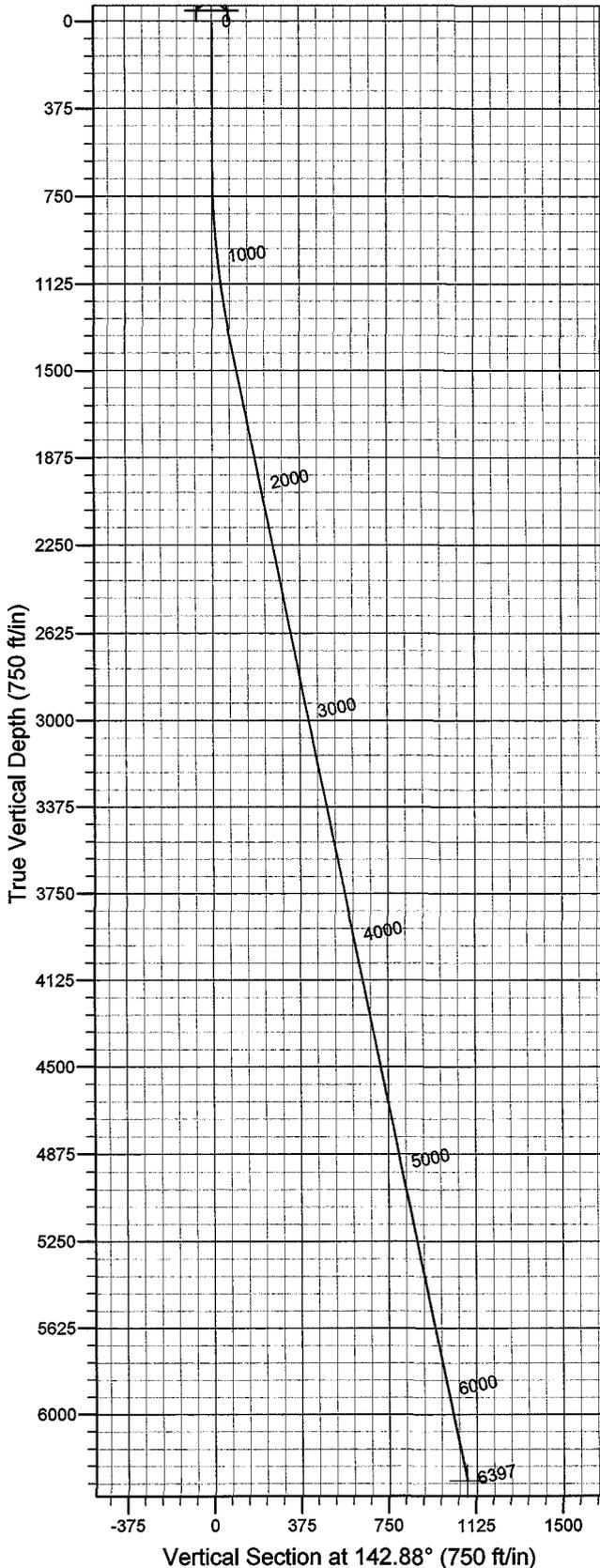


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



WELL DETAILS: Ashley Unit K-15-9-15

GL 6256' & RKB 12' @ 6268.00ft (NDSI 2) 6256.00  
 +N/-S 0.00 +E/-W 0.00 Northing 7183516.57 Easting 2001170.63 Latitude 40° 2' 0.380 N Longitude 110° 12' 41.620 W



Plan: Plan #1 (Ashley Unit K-15-9-15/OH)

Created By: Julie Cruse Date: 2008-02-26

PROJECT DETAILS: Duchesne 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: True North

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	1370.70	11.56	142.88	1365.48	-61.79	46.76	1.50	142.88	77.49	
4	6397.19	11.56	142.88	6290.00	-865.00	654.67	0.00	0.00	1084.81	AU K-15-9-15 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Ashley Unit**

**Ashley Unit K-15-9-15**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**26 February, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Ashley Unit  
**Well:** Ashley Unit K-15-9-15  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Ashley Unit K-15-9-15  
**TVD Reference:** GL 6256' & RKB 12' @ 6268.00ft (NDSI 2)  
**MD Reference:** GL 6256' & RKB 12' @ 6268.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Ashley Unit,				
<b>Site Position:</b>		<b>Northing:</b>	7,194,005.61 ft	<b>Latitude:</b>	40° 3' 42.510 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,011,719.22 ft	<b>Longitude:</b>	110° 10' 24.010 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.85 °

<b>Well</b>	Ashley Unit K-15-9-15, 1720' FNL 762' FEL Sec 15 T9S R15E					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,183,516.57 ft	<b>Latitude:</b>	40° 2' 0.380 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,001,170.63 ft	<b>Longitude:</b>	110° 12' 41.620 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,256.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-02-26	11.78	65.85	52,586

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	142.88

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	
1,370.70	11.56	142.88	1,365.48	-61.79	46.76	1.50	1.50	0.00	142.88	
6,397.19	11.56	142.88	6,290.00	-865.00	654.67	0.00	0.00	0.00	0.00	AU K-15-9-15 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Ashley Unit  
**Well:** Ashley Unit K-15-9-15  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Ashley Unit K-15-9-15  
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**MD Reference:** GL 6256' & RKB 12' @ 6268.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	142.88	699.99	-1.04	0.79	1.31	1.50	1.50	0.00
800.00	3.00	142.88	799.91	-4.17	3.16	5.23	1.50	1.50	0.00
900.00	4.50	142.88	899.69	-9.39	7.11	11.77	1.50	1.50	0.00
1,000.00	6.00	142.88	999.27	-16.68	12.63	20.92	1.50	1.50	0.00
1,100.00	7.50	142.88	1,098.57	-26.06	19.72	32.68	1.50	1.50	0.00
1,200.00	9.00	142.88	1,197.54	-37.50	28.38	47.03	1.50	1.50	0.00
1,300.00	10.50	142.88	1,296.09	-51.00	38.60	63.96	1.50	1.50	0.00
1,370.70	11.56	142.88	1,365.48	-61.79	46.76	77.49	1.50	1.50	0.00
1,400.00	11.56	142.88	1,394.19	-66.47	50.31	83.36	0.00	0.00	0.00
1,500.00	11.56	142.88	1,492.16	-82.45	62.40	103.40	0.00	0.00	0.00
1,600.00	11.56	142.88	1,590.13	-98.43	74.49	123.44	0.00	0.00	0.00
1,700.00	11.56	142.88	1,688.10	-114.41	86.59	143.48	0.00	0.00	0.00
1,800.00	11.56	142.88	1,786.07	-130.39	98.68	163.52	0.00	0.00	0.00
1,900.00	11.56	142.88	1,884.04	-146.37	110.78	183.56	0.00	0.00	0.00
2,000.00	11.56	142.88	1,982.02	-162.35	122.87	203.60	0.00	0.00	0.00
2,100.00	11.56	142.88	2,079.99	-178.33	134.96	223.64	0.00	0.00	0.00
2,200.00	11.56	142.88	2,177.96	-194.31	147.06	243.68	0.00	0.00	0.00
2,300.00	11.56	142.88	2,275.93	-210.29	159.15	263.72	0.00	0.00	0.00
2,400.00	11.56	142.88	2,373.90	-226.26	171.25	283.76	0.00	0.00	0.00
2,500.00	11.56	142.88	2,471.87	-242.24	183.34	303.80	0.00	0.00	0.00
2,600.00	11.56	142.88	2,569.84	-258.22	195.43	323.84	0.00	0.00	0.00
2,700.00	11.56	142.88	2,667.81	-274.20	207.53	343.88	0.00	0.00	0.00
2,800.00	11.56	142.88	2,765.79	-290.18	219.62	363.92	0.00	0.00	0.00
2,900.00	11.56	142.88	2,863.76	-306.16	231.72	383.96	0.00	0.00	0.00
3,000.00	11.56	142.88	2,961.73	-322.14	243.81	404.00	0.00	0.00	0.00
3,100.00	11.56	142.88	3,059.70	-338.12	255.91	424.04	0.00	0.00	0.00
3,200.00	11.56	142.88	3,157.67	-354.10	268.00	444.08	0.00	0.00	0.00
3,300.00	11.56	142.88	3,255.64	-370.08	280.09	464.13	0.00	0.00	0.00
3,400.00	11.56	142.88	3,353.61	-386.06	292.19	484.17	0.00	0.00	0.00
3,500.00	11.56	142.88	3,451.59	-402.04	304.28	504.21	0.00	0.00	0.00
3,600.00	11.56	142.88	3,549.56	-418.02	316.38	524.25	0.00	0.00	0.00
3,700.00	11.56	142.88	3,647.53	-434.00	328.47	544.29	0.00	0.00	0.00
3,800.00	11.56	142.88	3,745.50	-449.98	340.56	564.33	0.00	0.00	0.00
3,900.00	11.56	142.88	3,843.47	-465.96	352.66	584.37	0.00	0.00	0.00
4,000.00	11.56	142.88	3,941.44	-481.94	364.75	604.41	0.00	0.00	0.00
4,100.00	11.56	142.88	4,039.41	-497.92	376.85	624.45	0.00	0.00	0.00
4,200.00	11.56	142.88	4,137.39	-513.90	388.94	644.49	0.00	0.00	0.00
4,300.00	11.56	142.88	4,235.36	-529.88	401.03	664.53	0.00	0.00	0.00
4,400.00	11.56	142.88	4,333.33	-545.86	413.13	684.57	0.00	0.00	0.00
4,500.00	11.56	142.88	4,431.30	-561.84	425.22	704.61	0.00	0.00	0.00
4,600.00	11.56	142.88	4,529.27	-577.82	437.32	724.65	0.00	0.00	0.00
4,700.00	11.56	142.88	4,627.24	-593.80	449.41	744.69	0.00	0.00	0.00
4,800.00	11.56	142.88	4,725.21	-609.77	461.50	764.73	0.00	0.00	0.00
4,900.00	11.56	142.88	4,823.18	-625.75	473.60	784.77	0.00	0.00	0.00
5,000.00	11.56	142.88	4,921.16	-641.73	485.69	804.81	0.00	0.00	0.00
5,100.00	11.56	142.88	5,019.13	-657.71	497.79	824.85	0.00	0.00	0.00
5,200.00	11.56	142.88	5,117.10	-673.69	509.88	844.89	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Ashley Unit  
**Well:** Ashley Unit K-15-9-15  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Ashley Unit K-15-9-15  
**TVD Reference:** GL 6256' & RKB 12' @ 6268.00ft (NDSI 2)  
**MD Reference:** GL 6256' & RKB 12' @ 6268.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	11.56	142.88	5,215.07	-689.67	521.97	864.93	0.00	0.00	0.00
5,400.00	11.56	142.88	5,313.04	-705.65	534.07	884.97	0.00	0.00	0.00
5,500.00	11.56	142.88	5,411.01	-721.63	546.16	905.01	0.00	0.00	0.00
5,600.00	11.56	142.88	5,508.98	-737.61	558.26	925.05	0.00	0.00	0.00
5,700.00	11.56	142.88	5,606.96	-753.59	570.35	945.09	0.00	0.00	0.00
5,800.00	11.56	142.88	5,704.93	-769.57	582.44	965.13	0.00	0.00	0.00
5,900.00	11.56	142.88	5,802.90	-785.55	594.54	985.17	0.00	0.00	0.00
6,000.00	11.56	142.88	5,900.87	-801.53	606.63	1,005.21	0.00	0.00	0.00
6,100.00	11.56	142.88	5,998.84	-817.51	618.73	1,025.25	0.00	0.00	0.00
6,200.00	11.56	142.88	6,096.81	-833.49	630.82	1,045.29	0.00	0.00	0.00
6,300.00	11.56	142.88	6,194.78	-849.47	642.91	1,065.33	0.00	0.00	0.00
6,397.19	11.56	142.88	6,290.00	-865.00	654.67	1,084.81	0.00	0.00	0.00

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
AU K-15-9-15 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,290.00	-865.00	654.67	7,182,661.09	2,001,837.69	40° 1' 51.831 N	110° 12' 33.203 W

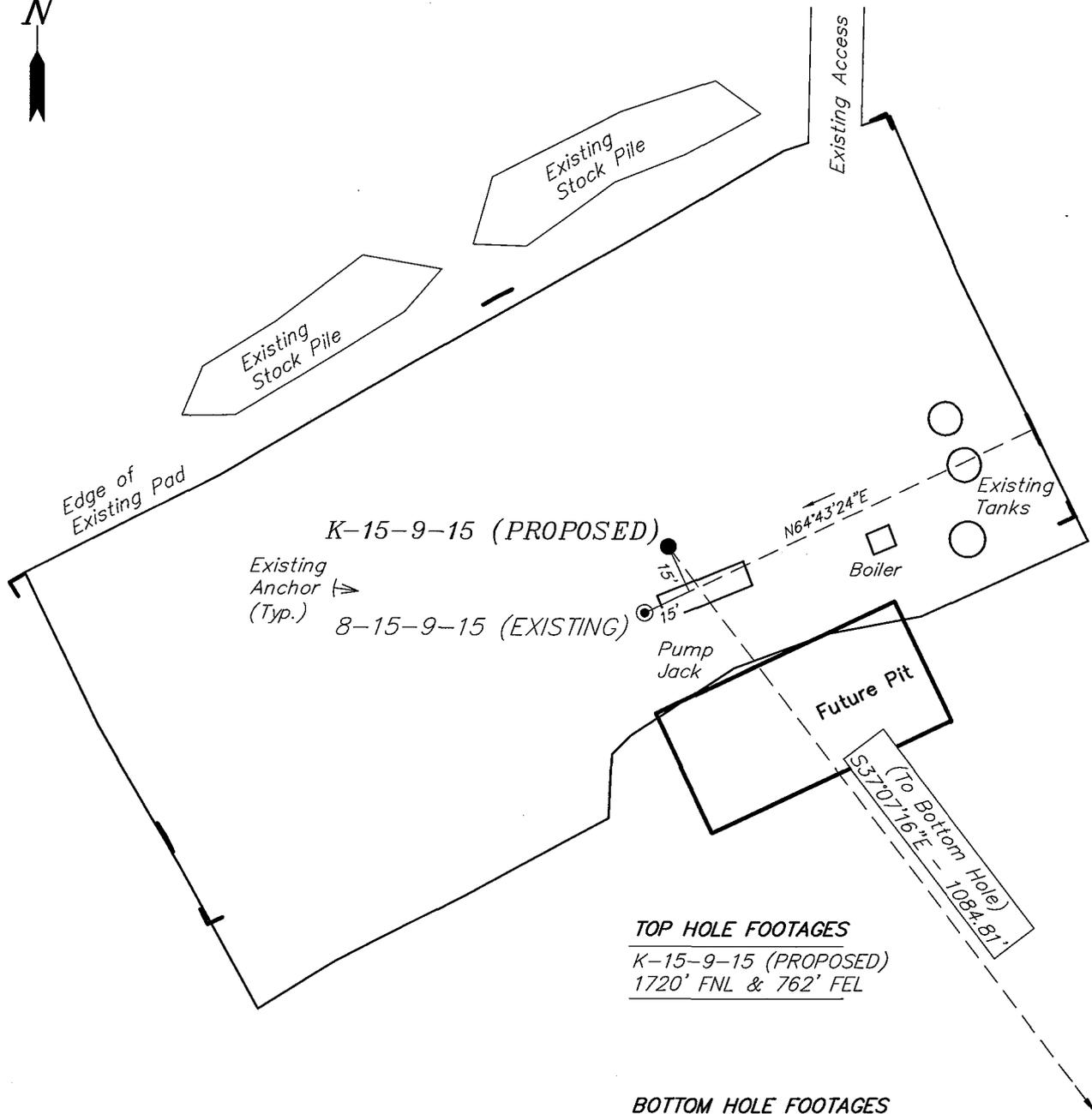
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

ASHLEY UNIT K-15-9-15 (Proposed Well)

ASHLEY UNIT 8-15-9-15 (Existing Well)

Pad Location: SENE Section 15, T9S, R15E, S.L.B.&M.



### TOP HOLE FOOTAGES

K-15-9-15 (PROPOSED)  
1720' FNL & 762' FEL

### BOTTOM HOLE FOOTAGES

K-15-9-15 (PROPOSED)  
2585' FNL & 110' FEL

**Note:**  
Bearings are based on  
GLO Information.

RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
K-15-9-15	-865'	655'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
K-15-9-15	40° 02' 00.38"	110° 12' 41.62"
8-15-9-15	40° 02' 00.19"	110° 12' 41.72"

SURVEYED BY: C.M.	DATE SURVEYED: 02-04-08
DRAWN BY: L.C.S.	DATE DRAWN: 02-07-08
SCALE: 1" = 50'	REVISED:

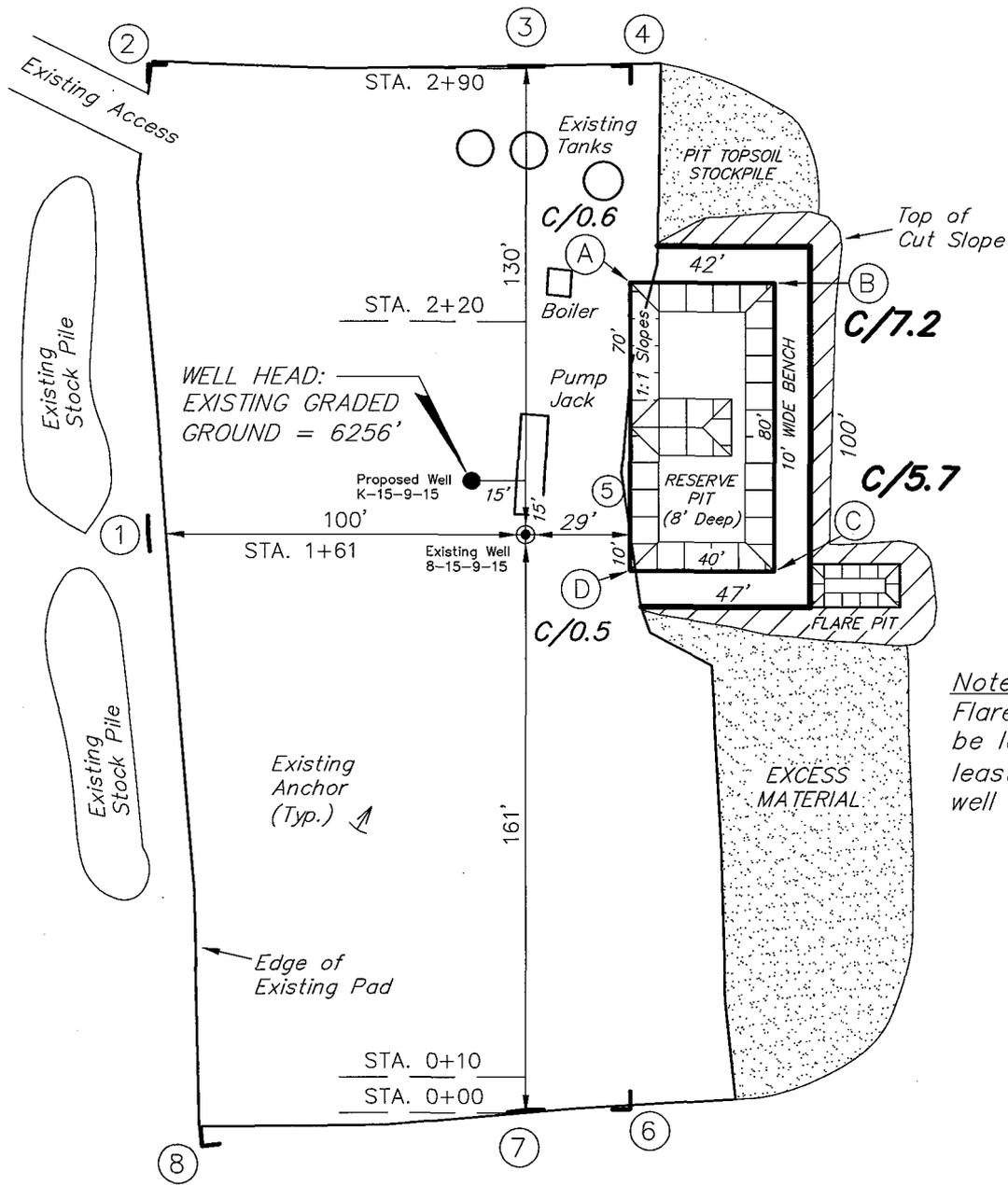
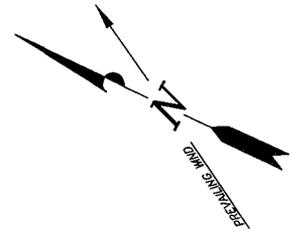
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

ASHLEY UNIT K-15-9-15 (Proposed Well)

ASHLEY UNIT 8-15-9-15 (Existing Well)

Pad Location: SENE Section 15, T9S, R15E, S.L.B.&M.



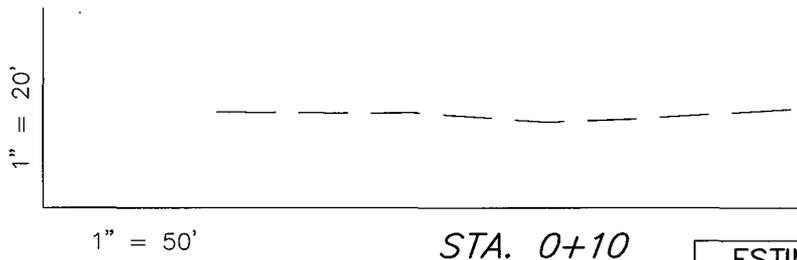
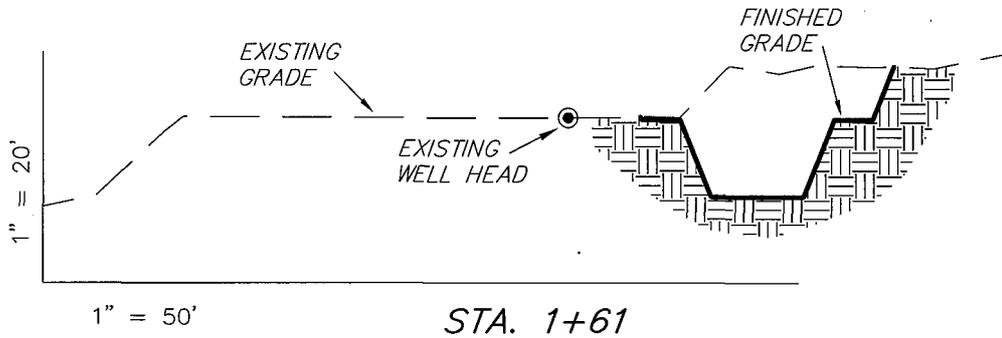
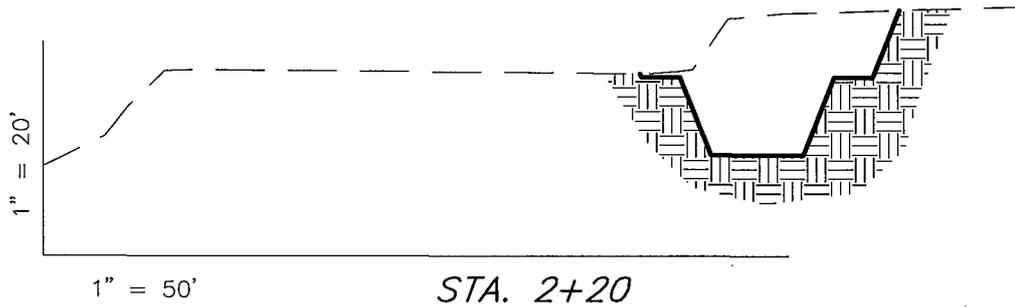
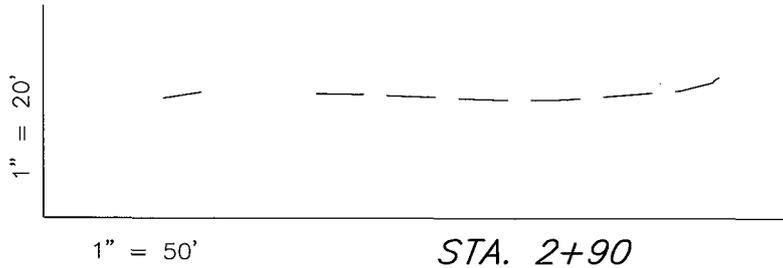
Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	DATE SURVEYED: 02-04-08	<p style="font-size: small;">(435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: F.T.M.	DATE DRAWN: 02-07-08	
SCALE: 1" = 50'	REVISED:	

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

ASHLEY UNIT K-15-9-15 (Proposed Well)  
 ASHLEY UNIT 8-15-9-15 (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	1,310	0	Topsoil is not included in Pad Cut	1,310
PIT	640	0		640
TOTALS	1,950	0	150	1,950

SURVEYED BY: C.M.	DATE SURVEYED: 02-04-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-07-08
SCALE: 1" = 50'	REVISED:

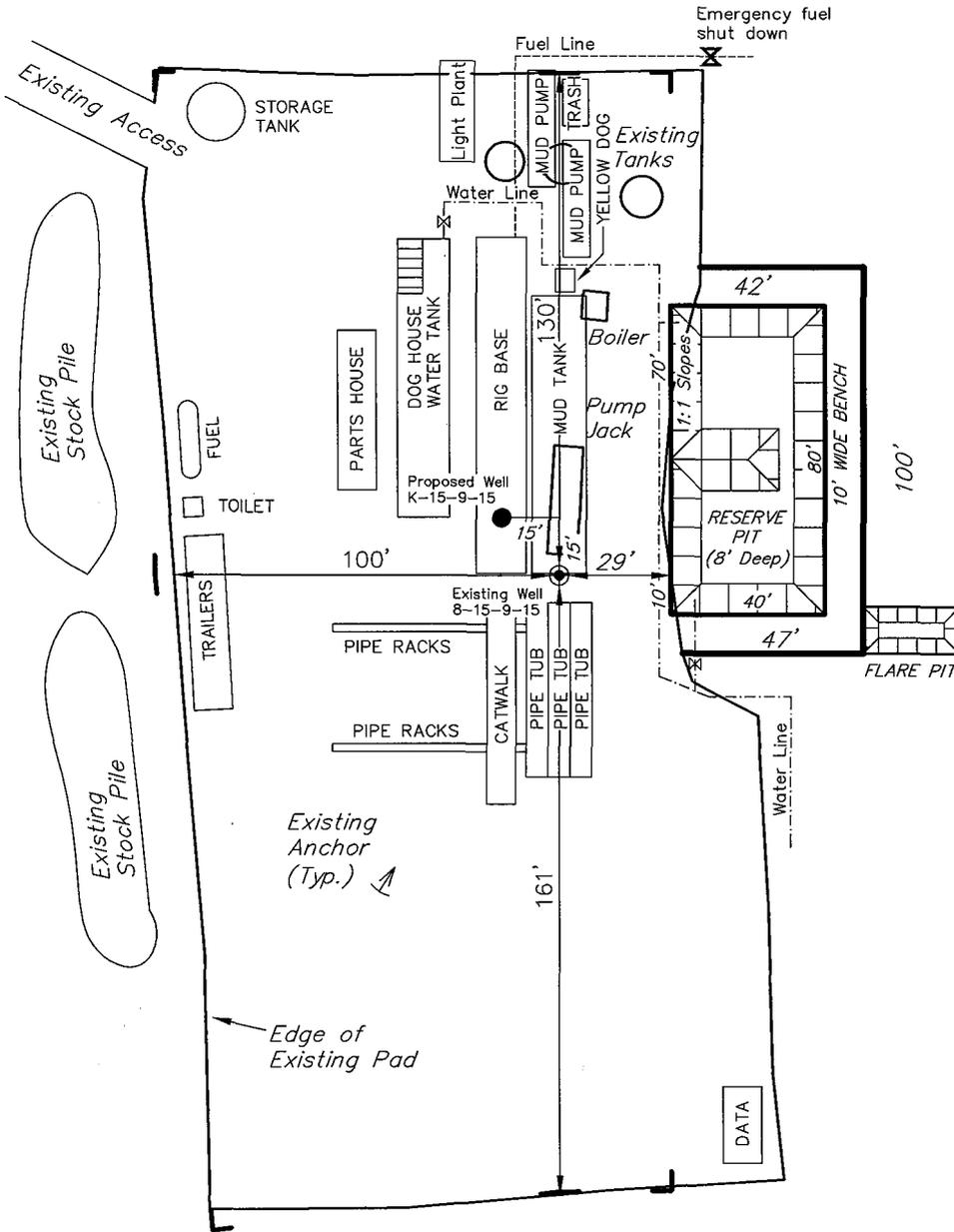
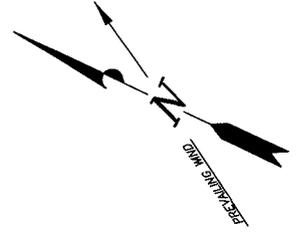
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

ASHLEY UNIT K-15-9-15 (Proposed Well)

ASHLEY UNIT 8-15-9-15 (Existing Well)



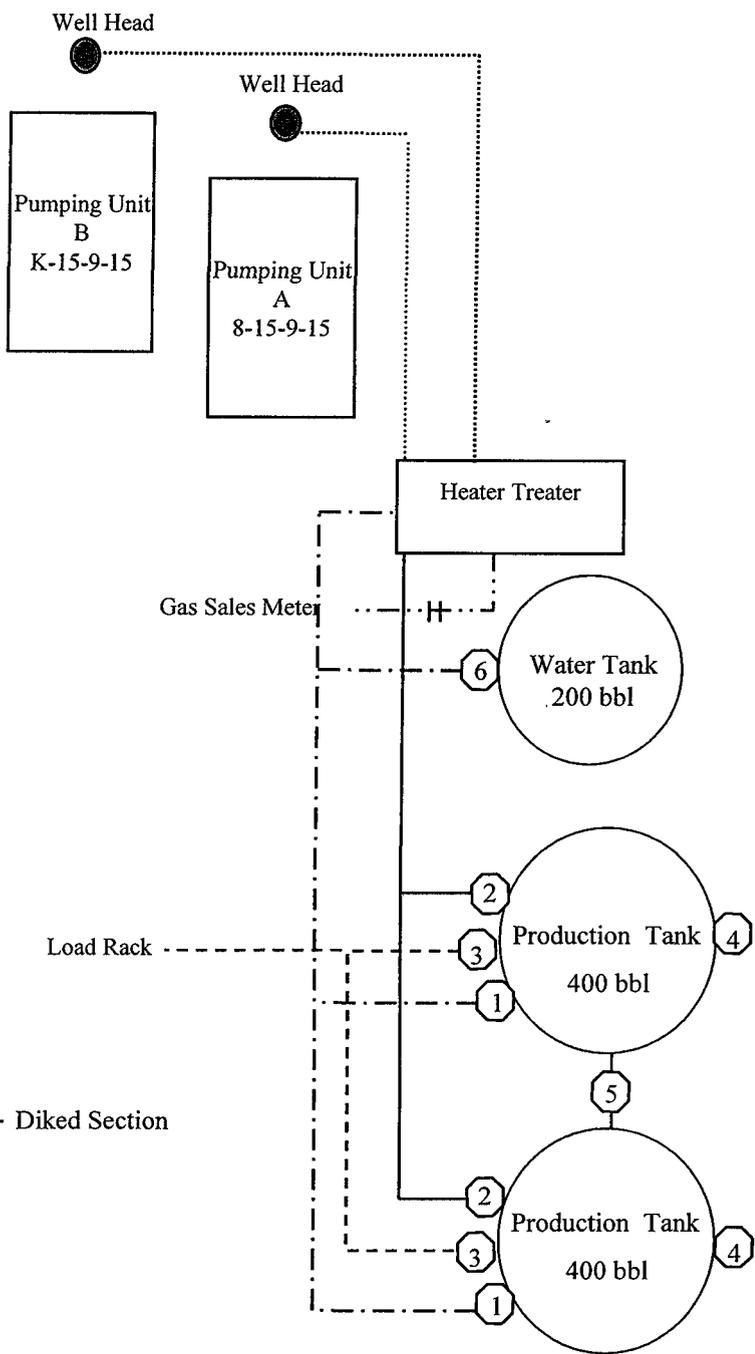
*Note:*  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	DATE SURVEYED: 02-04-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-07-08
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

Ashley Federal K-15-9-15  
 From the 8-15-9-15 Location  
 SE/NE Sec. 15 T9S, R15E  
 Duchesne County, Utah  
 UTU-66184

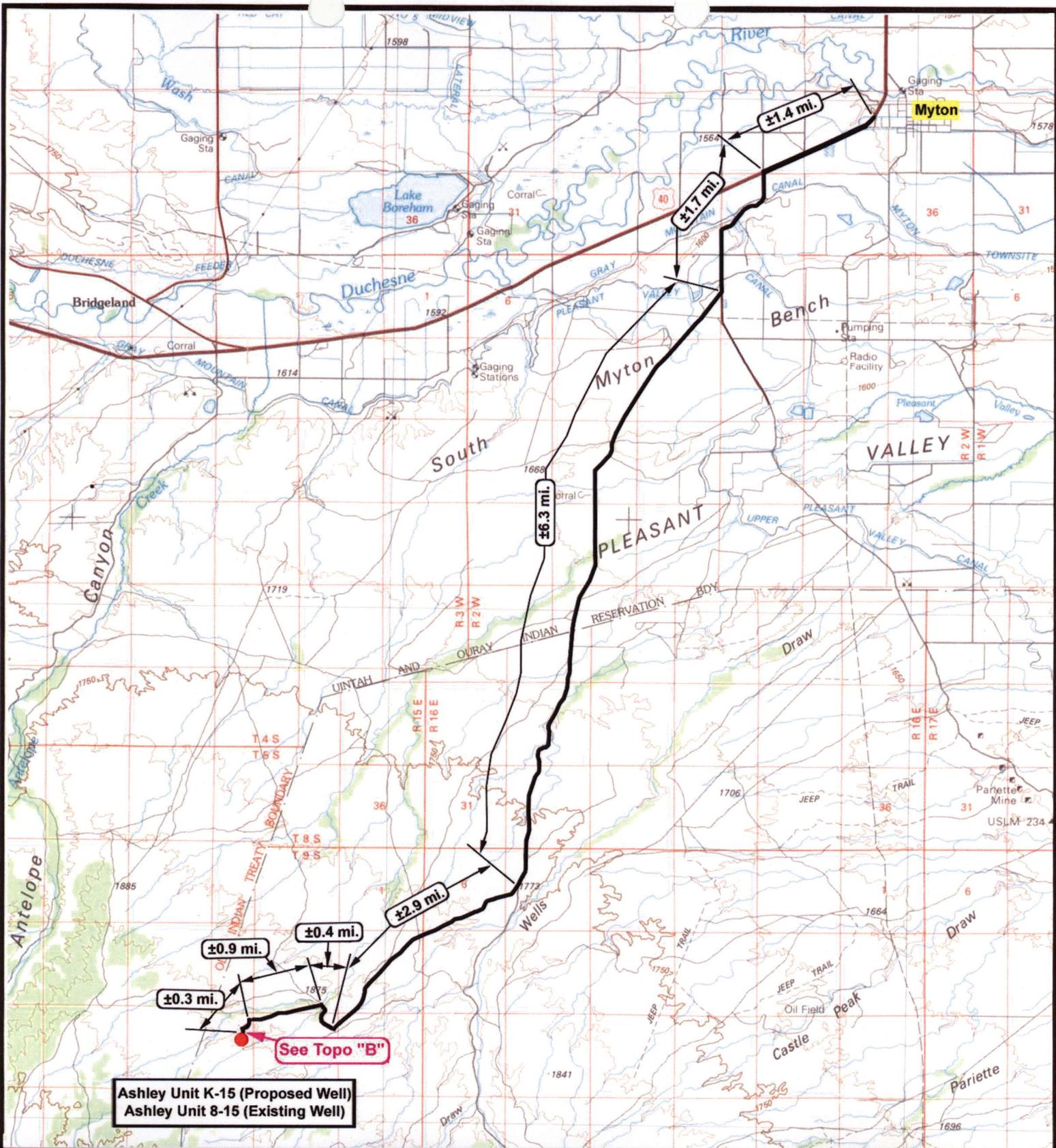


Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

- 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	_____



**Ashley Unit K-15 (Proposed Well)**  
**Ashley Unit 8-15 (Existing Well)**

**NEWFIELD**  
 Exploration Company

**Ashley Unit K-15-9-15 (Proposed Location)**  
**Ashley Unit 8-15-9-15 (Existing Location)**  
 Pad Location SENE SEC. 15, T9S, R15E, S.L.B.&M.



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

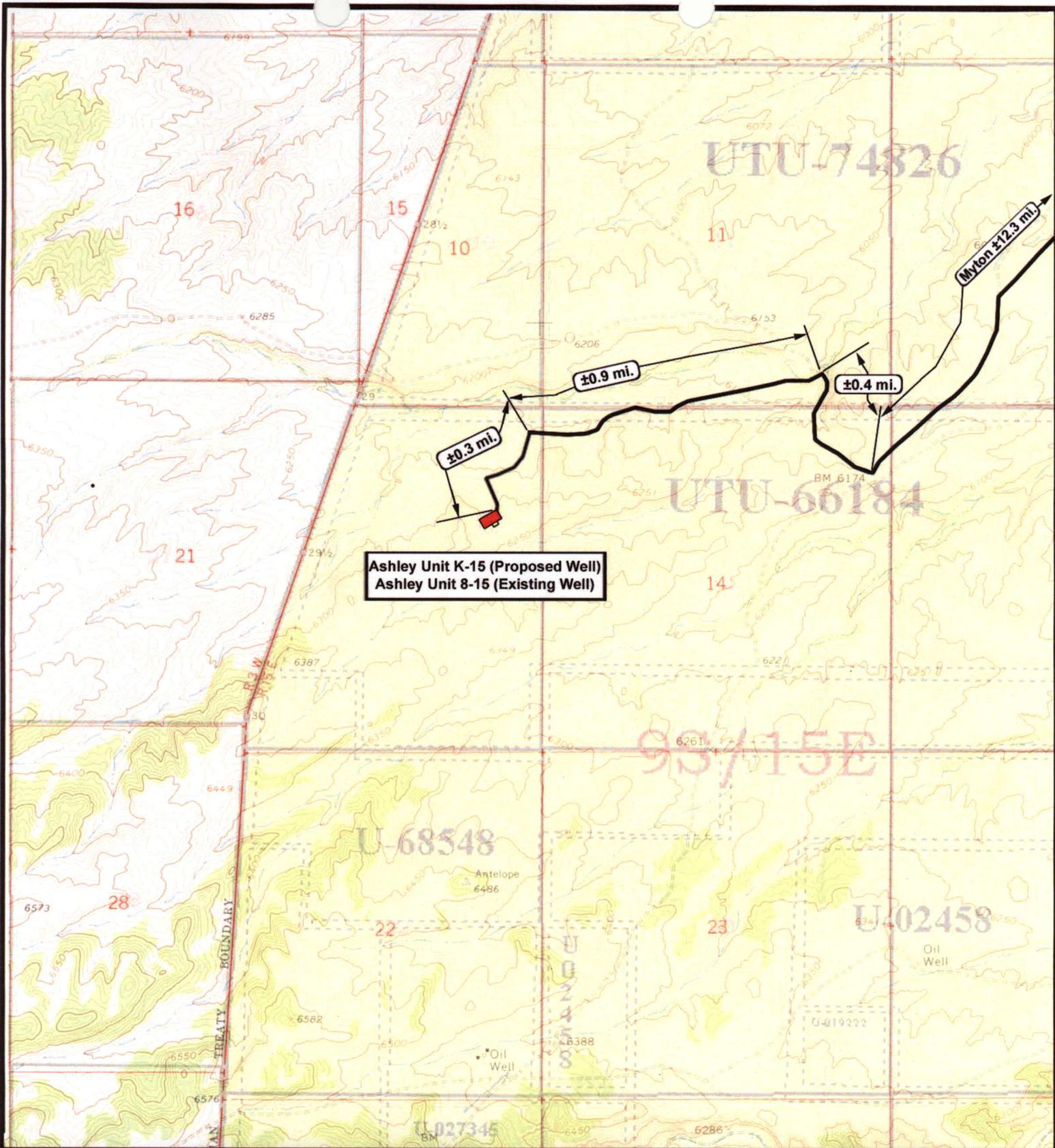
SCALE: 1:100,000  
 DRAWN BY: nc  
 DATE: 02-11-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**



**Ashley Unit K-15 (Proposed Well)**  
**Ashley Unit 8-15 (Existing Well)**

**NEWFIELD**  
Exploration Company

**Ashley Unit K-15-9-15 (Proposed Location)**  
**Ashley Unit 8-15-9-15 (Existing Location)**  
 Pad Location SENE SEC. 15, T9S, R15E, S.L.B.&M.



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

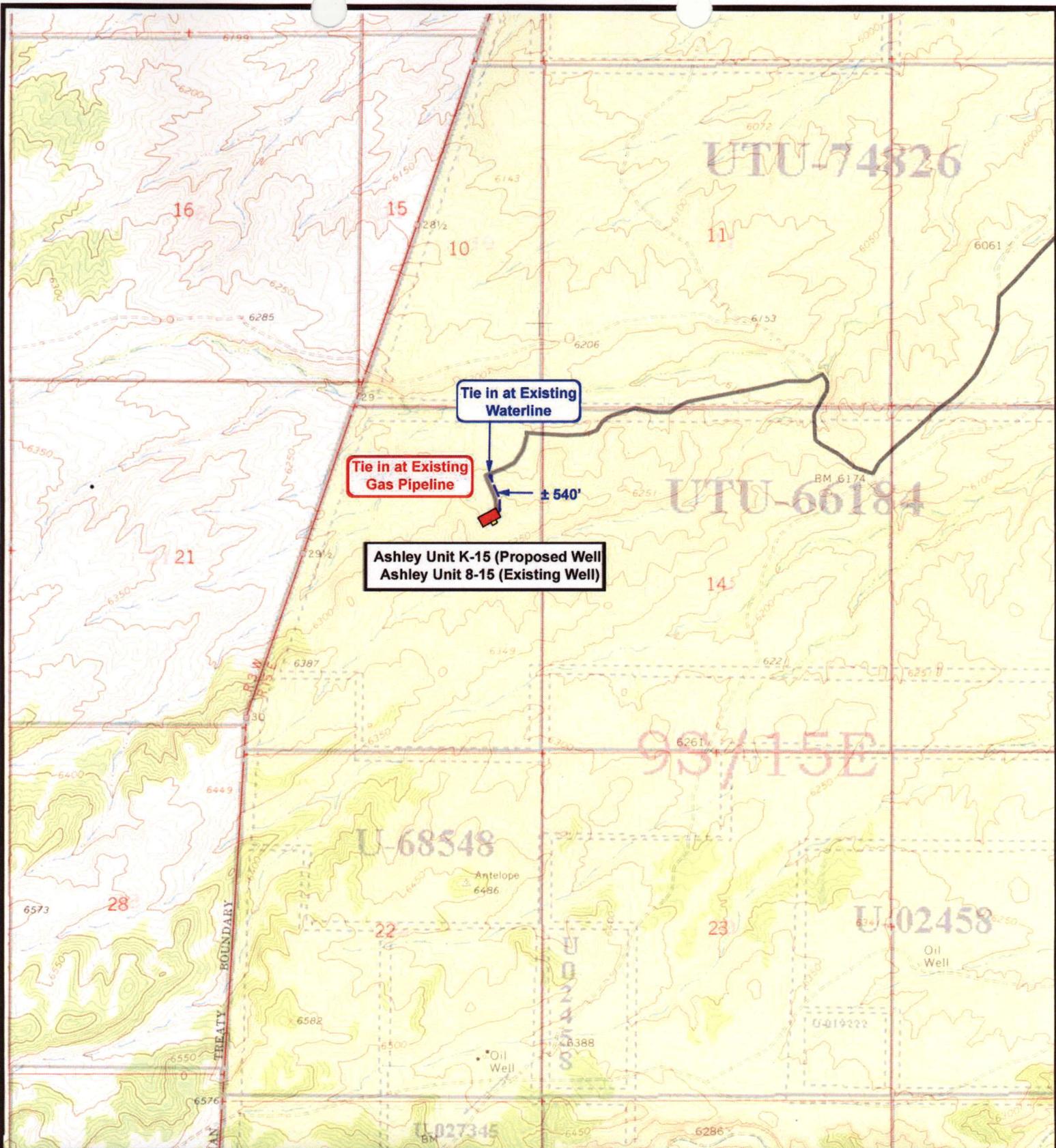
SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 02-11-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"B"**



**Ashley Unit K-15-9-15 (Proposed Location)**  
**Ashley Unit 8-15-9-15 (Existing Location)**  
 Pad Location SENE SEC. 15, T9S, R15E, S.L.B.&M.



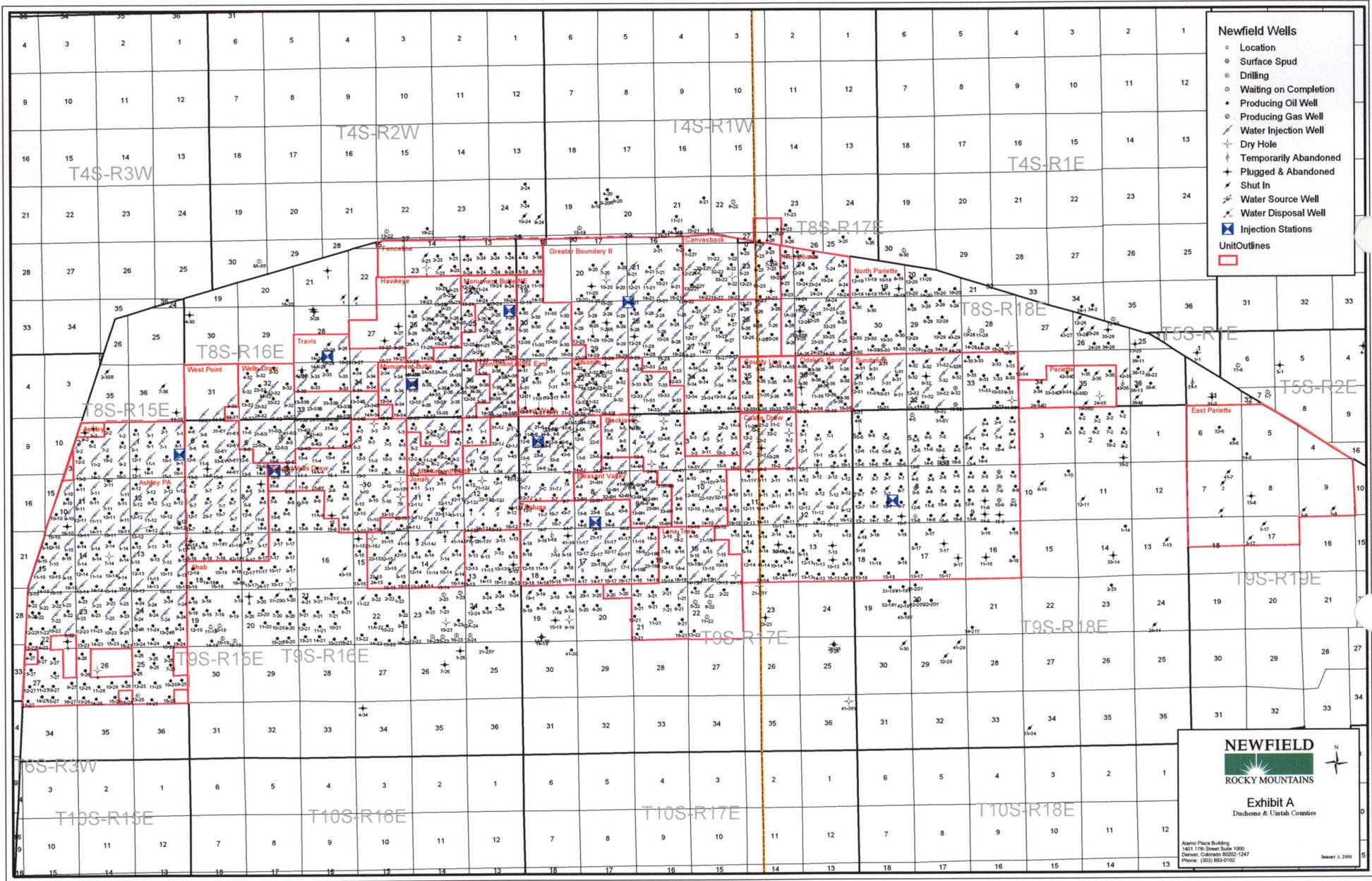
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: rnc  
 DATE: 02-11-2008

**Legend**

-  Roads
-  Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**



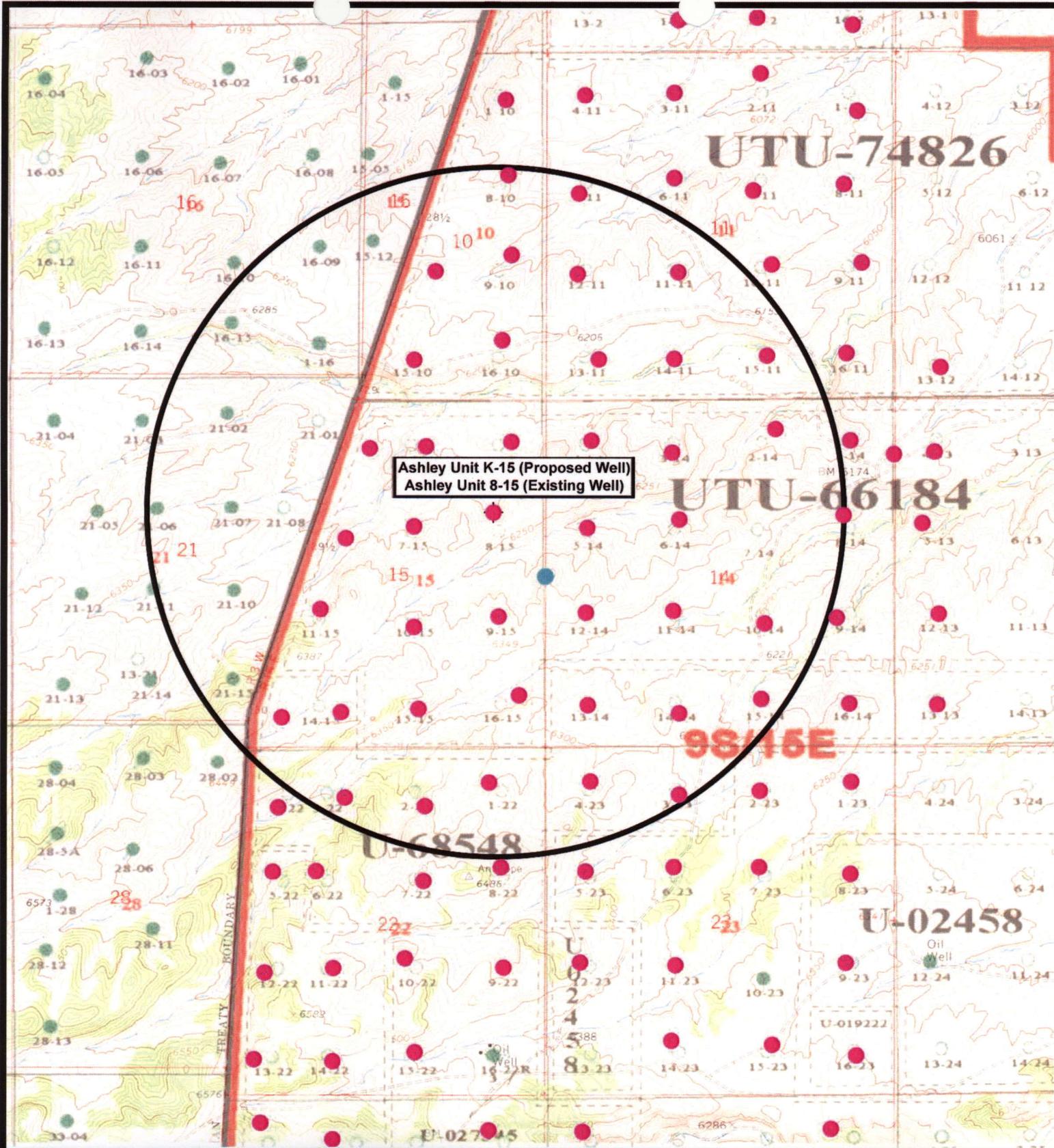
- Newfield Wells**
- Location
  - Surface Spud
  - ⊗ Drilling
  - ⊖ Waiting on Completion
  - ⊕ Producing Oil Well
  - ⊗ Producing Gas Well
  - ⊕ Water Injection Well
  - ⊖ Dry Hole
  - ⊕ Temporarily Abandoned
  - ⊗ Plugged & Abandoned
  - ⊖ Shut In
  - ⊕ Water Source Well
  - ⊗ Water Disposal Well
  - ⊕ 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) 854-0102

January A, 2008



Ashley Unit K-15 (Proposed Well)  
 Ashley Unit 8-15 (Existing Well)



**NEWFIELD**  
Exploration Company

**Ashley Unit K-15-9-15 (Proposed Location)**  
**Ashley Unit 8-15-9-15 (Existing Location)**  
 Pad Location SENE SEC. 15, T9S, R15E, S.L.B.&M.




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

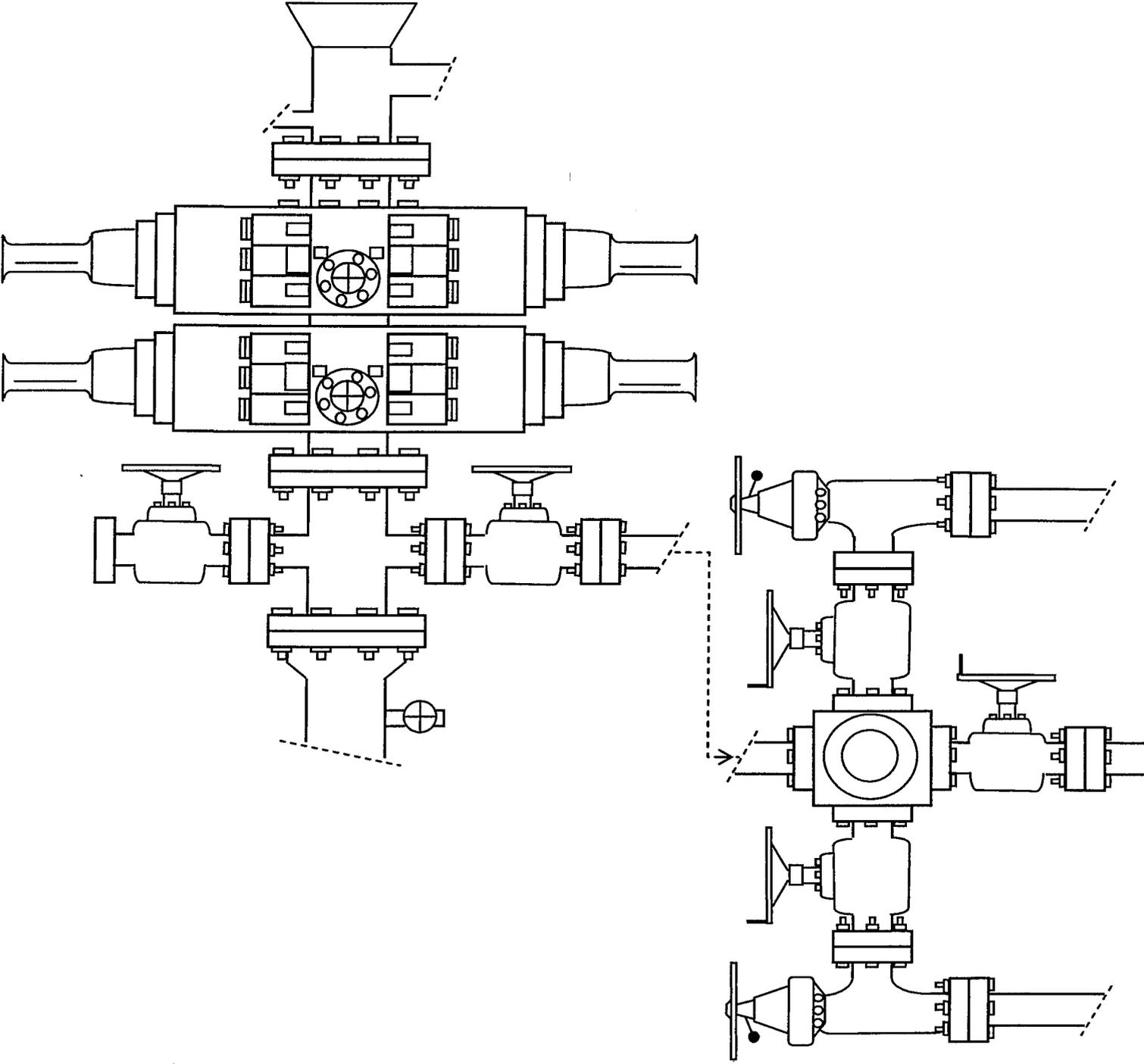
SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 02-11-2008

**Legend**

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

**Exhibit "B"**

**2-M SYSTEM**  
Blowout Prevention Equipment Systems



**EXHIBIT C**

Exhibit "D"  
1 of 2

CULTURAL RESOURCE INVENTORY OF  
INLAND RESOURCES' 1750 ACRE ASHLEY UNIT, IN  
TOWNSHIP 9S, RANGE 15E, SECTIONS 13, 14, AND 15,  
DUCHESNE COUNTY, UTAH

Anne Raney  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

Prepared Under Contract With:

Jon D. Holst & Associates  
for  
Inland Resources  
2507 Flintridge Place  
Fort Collins, CO 80521

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 01-163

May 23, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0235b

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

(NE, NE 1/4, NW, NE 1/4, NE, NW 1/4, SE, NE, 1/4, SW, NE 1/4, SE, NW 1/4,  
NE, SE 1/4, NW, SE 1/4, Sec. 24, T 8 S, R 16 E. NE, NW 1/4, NW, NW 1/4,  
SE, NW 1/4, SW, NW 1/4, NE, SW 1/4, NW, SW 1/4, SE, SW 1/4, Sec. 19, T 8 S,  
R 17 E. NE 1/4, NW 1/4, Sec. 13; NE 1/4, NW 1/4, Sec. 14; NE 1/4, NW 1/4,  
Sec. 15, T 9 S, R 15 E. SE, SE 1/4, Sec. 5, T 9 S, R 16 E.)

**REPORT OF SURVEY**

Prepared for:

**Inland resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
November 13, 2002

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/19/2008

API NO. ASSIGNED: 43-013-33940

WELL NAME: ASHLEY FED K-15-9-15  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 15 090S 150E  
 SURFACE: 1720 FNL 0762 FEL  
 BOTTOM: 2585 FNL 0110 FEL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.03347 LONGITUDE: -110.2110  
 UTM SURF EASTINGS: 567322 NORTHINGS: 4431560  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-66184  
 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:

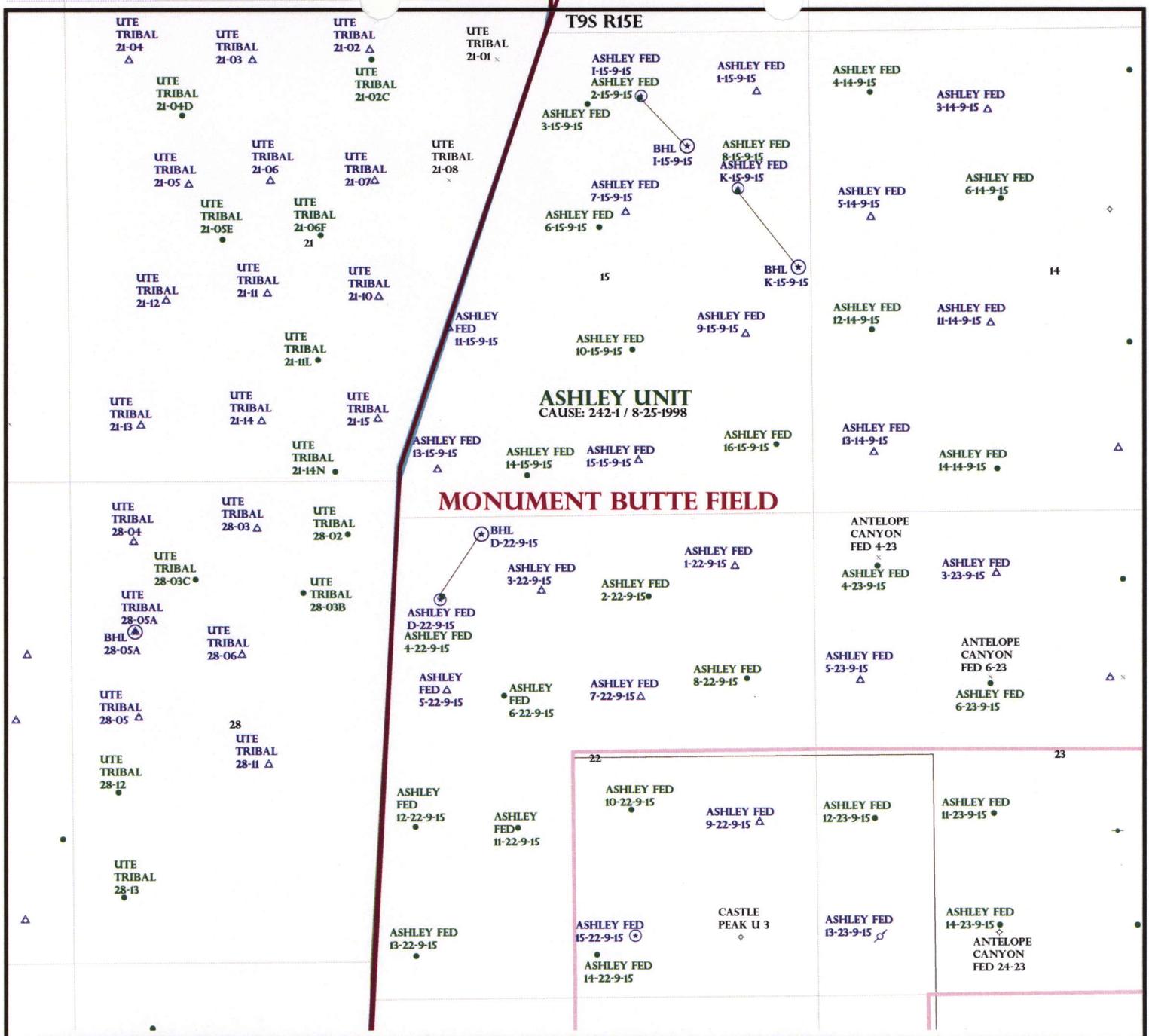
- R649-2-3.
- Unit: ASHLEY
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 2421
- Eff Date: 8-25-1998
- Siting: Subsands General Siting
- R649-3-11. Directional Drill

COMMENTS:

Sop, Separate file

STIPULATIONS:

1- Fed app approved



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 15,22 T.9S R. 15E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 242-1 / 8-25-1998

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

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

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 20-MARCH-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)

March 25, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Ashley Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Ashley Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33940	Ashley Fed K-15-9-15	Sec 15 T09S R15E 1720 FNL 0762 FEL BHL Sec 15 T09S R15E 2585 FNL 0110 FEL
43-013-33941	Ashley Fed I-15-9-15	Sec 15 T09S R15E 0704 FNL 1809 FEL BHL Sec 15 T09S R15E 1255 FNL 1315 FEL
43-013-33942	Ashley Fed D-22-9-15	Sec 22 T09S R15E 0893 FNL 0470 FWL BHL Sec 22 T09S R15E 0180 FNL 0915 FWL

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 - Ashley Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:3-25-08



March 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  
**Ashley Federal K-15-9-15**  
Ashley Unit  
UTU-73520X  
Surface Hole: T9S R15E, Section 15: SENE  
1720' FNL 762' FEL  
Bottom Hole: T9S R15E, Section 15:  
2585' FNL 110' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated March 17, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Ashley Federal Unit UTU-73520X. Newfield certifies that it is the Ashley Unit Operator and all lands within 460 feet of the entire directional well bore are within the Ashley Unit.

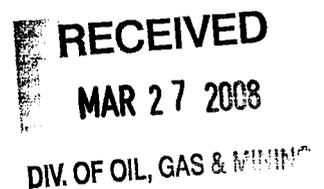
NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

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

Sincerely,  
NEWFIELD PRODUCTION COMPANY

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

Roxann Eveland  
Land Associate



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. <b>UTU-66184</b>	
6. If Indian, Allottee or Tribe Name <b>N/A</b>	
7. If Unit or CA Agreement, Name and No. <b>Ashley PA AB</b>	
8. Lease Name and Well No. <b>Ashley Federal K-15-9-15</b>	
9. API Well No.	
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte <b>Monument Butte</b>
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec. 15, T9S R15E</b>
2. Name of Operator <b>Newfield Production Company</b>	12. County or Parish <b>Duchesne</b>
3a. Address <b>Route #3 Box 3630, Myton UT 84052</b>	13. State <b>UT</b>
3b. Phone No. (include area code) <b>(435) 646-3721</b>	14. Distance in miles and direction from nearest town or post office* <b>Approximatley 13.9 miles southwest of Myton, Utah</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SE/NE 1720' FNL 762' FEL</b> At proposed prod. zone <b>2585' FNL 110' FEL</b>	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>Approx. 1375' thse, 3960' thunit</b>
16. No. of Acres in lease <b>1,360.57</b>	17. Spacing Unit dedicated to this well <b>20 Acres</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>Approx. 1487'</b>	20. BLM/BIA Bond No. on file <b>WYB000493</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>6256' GL</b>	22. Approximate date work will start* <b>2nd Quarter 2008</b>
23. Estimated duration <b>Approximately seven (7) days from spud to rig release.</b>	

24. Attachments

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

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

25. Signature	Name (Printed/Typed) <b>Mandie Crozier</b>	Date <b>3/17/08</b>
Title <b>Regulatory Specialist</b>		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

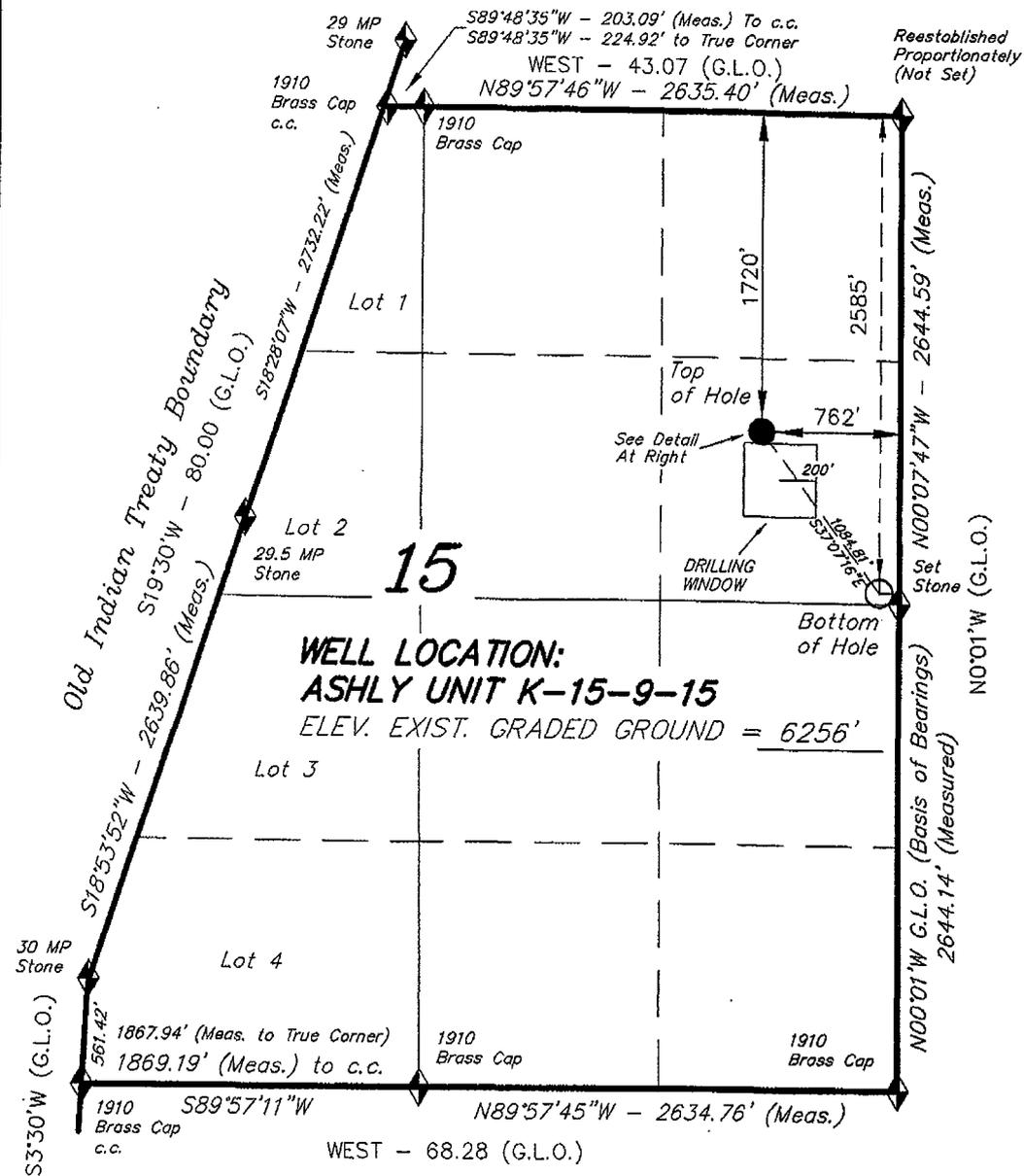
Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

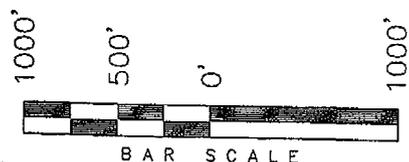
**RECEIVED**  
**MAR 27 2008**  
**DIV. OF OIL, GAS & MINING**

# T9S, R15E, S.L.B.&M.

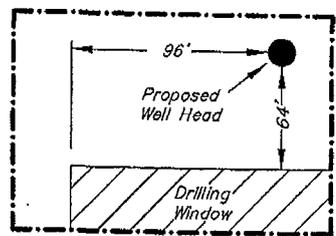


## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT K-15-9-15,  
 LOCATED AS SHOWN IN THE SE 1/4 NE  
 1/4 OF SECTION 15, T9S, R15E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.

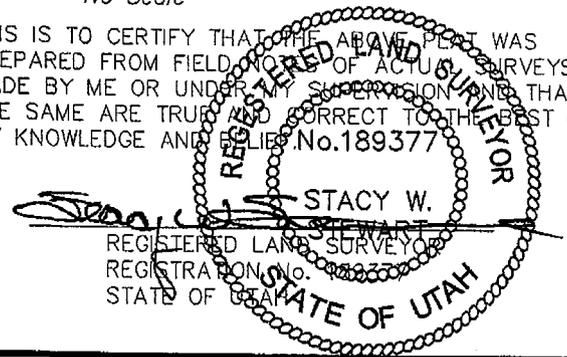


**Note:**  
 1. The bottom of hole footages are 2585' FNL & 110' FEL.



**Detail**  
 No Scale

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



◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV;  
 U.S.G.S. 7-1/2 min QUAD (MYTON SW)

**ASHLEY UNIT K-15-9-15**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 00.38"  
 LONGITUDE = 110° 12' 41.62"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 02-04-08	SURVEYED BY: C.M.
DATE DRAWN: 02-07-08	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'



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

March 31, 2008

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

Re: Ashley Federal K-15-9-15 Well, Surface Location 1720' FNL, 762' FEL, SE NE, Sec. 15, T. 9 South, R. 15 East, Bottom Location 2585' FNL, 110' FEL, SE NE, Sec. 15, T. 9 South, R. 15 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33940.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** \_\_\_\_\_ Newfield Production Company  
**Well Name & Number** \_\_\_\_\_ Ashley Federal K-15-9-15  
**API Number:** \_\_\_\_\_ 43-013-33940  
**Lease:** \_\_\_\_\_ UTU-66184

**Surface Location:** SE NE      **Sec.** 15      **T.** 9 South      **R.** 15 East  
**Bottom Location:** SE NE      **Sec.** 15      **T.** 9 South      **R.** 15 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.

RECEIVED

MAR 19 2008

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM  
FORM APPROVED  
OMB No. 1040-036  
Expires January 31, 2004

5. Lease Serial No. UTU-66184
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. Ashley PA AB
8. Lease Name and Well No. Ashley Federal K-15-9-15
9. API Well No. 43-013-33940
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 15, T9S R15E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone
2. Name of Operator Newfield Production Company
3a. Address Route #3 Box 3630, Myton UT 84052
3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1720' FNL 762' FEL At proposed prod. zone 2585' FNL 110' FEL
14. Distance in miles and direction from nearest town or post office* Approximatley 13.9 miles southwest of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1375' f/lse, 3960' f/unit
16. No. of Acres in lease 1,360.57
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. 1487'
19. Proposed Depth 6290'
20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6256' GL
22. Approximate date work will start* 2nd Quarter 2008
23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

- |   |  |
|---|--|
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| 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 3/17/08
Title Regulatory Specialist		

Approved by (Signature) <i>Jessy Kewzka</i>	Name (Printed/Typed) JESSY KEWZKA	Date FEB 05 2009
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

FEB 19 2009

DIV. OF OIL, GAS & MINING

11206m  
NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

08PP0443A

1128 02/19/08



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

**Company:** Newfield Production Company  
**Well No:** Ashley Federal K-15-9-15  
**API No:** 43-013-33940

**Location:** SENE, Sec.15, T9S R15E  
**Lease No:** UTU-66184  
**Agreement:** Ashley 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	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

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

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

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

**NOTIFICATION REQUIREMENTS**

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

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

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

**SITE SPECIFIC CONDITIONS OF APPROVAL**

- 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 respreading 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.

**Raptors**

- Areas where surface disturbance will take place have been identified as habitat for ferruginous hawks and golden eagles. Two inactive ferruginous hawk nests located within Township 9 South, Range 15 East lie within 0.5 mile southeast of the proposed well Ashley Federal K-15-9-15, three more ferruginous hawk nests are located within 0.5 mile of Ashley Federal R-15-9-15, and one ferruginous hawk nest is located within 0.5 mile of Ashley D-22-9-15. In order to minimize disturbance to ferruginous hawk nesting, Newfield has agreed to engage in no surface activities, construction, drilling, or completion operations from March 1 to August 1.
- Additional nests are located within 0.5 mile of wells Ashley Federal P-12-9-15, N-14-9-15, D-22-9-15, and L-15-9-15, but due to the advanced state of deterioration of the nests, no timing stipulations will be applied.
- Newfield will prevent adverse impacts to active raptor nests during the breeding season by adhering to the temporal and spatial limitations. If new construction or surface-disturbing activities are scheduled during the breeding season for raptors, a BLM approved biologist acceptable to the BLM will conduct a presence/absence survey using scientifically accepted survey protocols. Construction and drilling activities will not occur within 0.5 mile of an active nest. If the nests are determined to be inactive, then this applicant committed measure could be waived by the authorized officer.

**Interim and Final Reclamation**

- Reclamation Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1. The reserve pit and the portion of the well not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area. Seeding shall be implemented in the fall only, between August 15 and

December 15. The seed shall be drilled wherever possible. If the seed is aerially broadcasted, then the seed shall be covered immediately (crimped into the topsoil with a bulldozer or other heavy equipment). *Forage Kochia shall be applied to the surface and not covered.* If initial seeding is not successful, reseeding may be required.

**Interim and Final Seed mix for well K-15-9-15:**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Siberian Wheatgrass	<i>Agropyron fragile</i>	1.0	1/4 - 1/2"
Squirrel tail	<i>Elymus elymoides</i>	3.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"
Gardner Saltbush	<i>Atriplex gardneri</i>	0.5	1/2"

**Interim and Final Seed for wells P-12-9-15, I-15-9-15, D-22-9-15, I-1-9-15.**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirrel tail	<i>Elymus elymoides</i>	5.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Forage Kochia	<i>Kochia prostrate</i>	0.25	1/2"
Gardner Saltbush	<i>Atriplex gardneri</i>	0.5	1/2"
Crested Wheatgrass	<i>Agropyron cristatum</i>	5.0	1/2"

**Interim and Final Seed mix for wells: R-15-9-15, H-15-9-15, N-14-9-15, W-1-9-15, Q-15-9-15, L-15-9-15**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirrel tail	<i>Elymus elymoides</i>	6.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	1.0	1/2"
Forage Kochia	<i>Kochia prostrate</i>	0.2	1/2"
Gardner Saltbush	<i>Atriplex gardneri</i>	1.0	1/2"
Scarlet Globemallow	<i>Sphaeralcea coccinea</i>	0.2	1/2"
Fourwing Saltbush	<i>Atriplex canescens</i>	1.0	1/2"
Siberian Wheatgrass	<i>Agropyron fragile</i>	2.0	1/2"

- 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 recontoured to natural topography, topsoil shall be respread, 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.

**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\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-66184**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**ASHLEY (GR RVR)**

8. Well Name and No.

**ASHLEY FEDERAL K-15-9-15**

9. API Well No.

**43-013-33940**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> 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)

**1720 FNL 762 FEL SE/NE Section 15, T9S R15E**

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

TYPE OF SUBMISSION

TYPE OF ACTION

<input checked="" type="checkbox"/> Notice of Intent
<input type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

<input type="checkbox"/> Abandonment
<input type="checkbox"/> Recompletion
<input type="checkbox"/> Plugging Back
<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Altering Casing
<input checked="" type="checkbox"/> Other <b>Permit Extension</b>

<input type="checkbox"/> Change of Plans
<input type="checkbox"/> New Construction
<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Dispose Water

(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

Date: 03-11-09

COPY SENT TO OPERATOR By: [Signature]

Date: 3.18.2009

Initials: KS

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MAR 19 2009

DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier Title Regulatory Specialist Date 3/3/2009  
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:** 43-013-33940  
**Well Name:** Ashley Federal K-15-9-15  
**Location:** SE/NE Section 15,T9S R15E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 3/31/2008

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

*M. Curtis*  
Signature

3/3/2009

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 #  
21 Submitted By Don Bastian Phone Number 435-  
823-6012

Well Name/Number Ashley Federal K-15-9-15  
Qtr/Qtr SE/NE Section 15 Township 9 S Range 15 E       
Lease Serial Number UTU-66184  
API Number 43-013-33940

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

Date/Time 11/6/09      8:00 AM  PM

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

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

Date/Time 11/6/09      3:00 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 #21 @ 8:00AM On 11/6/09

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		
X B	99999	12419	43-013-33940	Ashley K-15-9-15	SENE	15	9S	15E	DUCHESNE	11/06/09	11/18/09
WELL 1 COMMENTS: <i>GRUV</i> <i>BHL = SENE</i>											
A	99999	17398	43-013-50008	Moon 1-20-4-2W	<del>SENE</del>	20	4S	2W	DUCHESNE	11/7/09	11/18/09
<i>GRUV</i> <i>SWSW</i> <b>CONFIDENTIAL</b>											
A	99999	17399	43-013-50006	Moon 1-29-4-2W	<del>SENE</del>	29	4S	2W	DUCHESNE	11/04/09	11/18/09
<i>GRUV</i> <i>SWNW</i> <b>CONFIDENTIAL</b>											
A	99999	17401	43-047-38403	Gusher Federal 5-13-6-20	SWNW	13	6S	20E	UINTAH	10/30/09	11/18/09
<i>WSTC</i>											
A	99999	17402	43-047-38999	Federal 2-14-6-20	NWNE	14	6S	20E	UINTAH	11/03/09	11/18/09
WELL 5 COMMENTS: <i>GRUV</i>											
X B	99999	12021	43-047-40245	<i>Pariette</i> Federal T-34-8-18	NESE	34	8S	18E	UINTAH	11/03/09	11/18/09
WELL 5 COMMENTS: <i>GRUV</i> <i>BHL = NESE</i>											

ACTION CODES (See instructions on back of form)

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

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

**RECEIVED**  
**NOV 12 2009**

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

*Kim Swasey*  
Signature Kim Swasey  
Production Analyst 11/12/2009  
Title 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

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

1720 FNL 762 FEL

SENE Section 15 T9S R15E

5. Lease Serial No.

USA UTU-66184

6. If Indian, Allottee or Tribe Name.

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

ASHLEY PA AB

8. Well Name and No.

ASHLEY FEDERAL K-15-9-15

9. API Well No.

4301333940

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

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

On 11-6-09 MIRU ROSS spud rig #21. Drill 315' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 320.23KB.  
On 11-9-09 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 5 bbls cement to pit.

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

Xabier Lasa

Signature

*Xabier Lasa*

Title

Drilling Foreman

Date

11/10/2009

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

Approved by .....

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

Title

Date

Office

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

**RECEIVED**

(Instructions on page 2)

**NOV 18 2009**

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





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  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1720 FNL 762 FEL  
SENE Section 15 T9S R15E

5. Lease Serial No.

USA UTU-66184

6. If Indian, Allottee or Tribe Name.

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

ASHLEY PA AB

8. Well Name and No.

ASHLEY FEDERAL K-15-9-15

9. API Well No.

4301333940

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

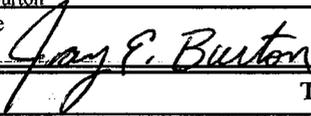
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical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

On 11/18/09 MIRU NDSI #2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6390'. 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, 153 jt's of 5.5 J-55, 15.5# csgn. Set @ 6,389.19'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 74 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 6:00am on 11/25/09.

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

Jay Burton

Signature



Title

Drilling Foreman

Date

11/25/2009

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

Approved by

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

Title

Date

Office

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

(Instructions on page 2)

**RECEIVED**

**DEC 03 2009**

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





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-66184

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
ASHLEY FEDERAL K-15-9-15

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333940

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: 1720 FNL 762 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 15, T9S, R15E

STATE: UT

**II. 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  <hr/>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>12/23/2009</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 12-23-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 01/05/2010

(This space for State use only)

**RECEIVED**

**JAN 11 2010**

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

## Daily Activity Report

Format For Sundry

**ASHLEY K-15-9-15**

**10/1/2009 To 2/28/2010**

**12/9/2009 Day: 1**

**Completion**

Rigless on 12/9/2009 - Ran Vaughn energy services gyro from surface to 6331'. Ran CBL & perforated 1st stage. - NU frac head & Cameron BOP's. RU Hot oiler & test casing, frac head, frac valves & BOP to 4500 psi. RU WLT w/ mast & pack off tool. Run Vaughn energy services gyro from surface to 6331'. POH w/ gyro tools. Run CBL under pressure. WLTD was 6332' w/ TOC @ 58'. RIH w/ 3 1/8" ported guns & perforate CP5 sds @ 6060- 65', CP4 sds @ 6001- 03' & CP3 sds @ 5923- 26' w/ (11 gram, .36"EH, 120°) 3 spf for total of 30 shots. RD WLT & Hot Oiler. SIFN w/ 152 BWTR.

**Daily Cost: \$0**

**Cumulative Cost: \$15,123**

**12/17/2009 Day: 2**

**Completion**

Rigless on 12/17/2009 - MIRU BJ service & Perforators LLC. Frac & perforate 7 stages. Flowback well for 8 hrs. Turned to oil & gas. SIWFN w/ 800 psi on well. - Stage #1. CP3, 4 & 5 sands. RU BJ Services. 55 psi on well. Broke @ 3410 psi. ISIP @ 1640 psi, 1 min @ 1612 psi, 4 min 1559 psi. FG @ .71. Frac CP3, 4 & 5 sds w/24,815#'s of 20/40 sand in 431 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3152 psi w/ ave rate of 40.2 BPM. ISIP 1766 psi, 5 min @ 1693 psi, 10 min @ 1646 psi, 15 min @ 1614 psi. FG @ .73. Leave pressure on well. 583 BWTR. - Stage #7. PB8 sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 4' perf guns. Set plug @ 4530'. Perforate PB8 sds @ 4438- 42' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 12 shots. RU BJ Services. 1665 psi on well. Broke @ 3654 psi. ISIP 1910 psi, FG .87. 1 min 1733 psi, 4 min 1635 psi. Frac PB8 sds w/ 11,180#'s of 20/40 sand in 221 bbls of Lightning 17 fluid. Screen out 16.3 bbls short of flush. Left 2,751#'s of sand in casing. Treated w/ ave pressure of 3405 psi w/ ave rate of 20.3 BPM. ISIP 3388 psi. FG @ 1.2. Begin immediate flowback on 20/64 choke @ 3 BPM. Flowed for 8 hrs & died. Rec 1339 BTF. SIWFN w/ 2339 BWTR. - Stage #6. D1 sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 5' perf guns. Set plug @ 4880'. Perforate D1 sds @ 4806- 11' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 15 shots. RU BJ Services. 1660 psi on well. Broke @ 4030 psi. No ISIP, 1 min or 4 min due to close zones. Frac D1 sds w/ 14,512#'s of 20/40 sand in 267 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3010 psi w/ ave rate of 22.4 BPM. ISIP 2066 psi. FG @ .87. 5 min 1866 psi, 10 min 1798 psi, 15 min 1758 psi. Leave pressure on well. 3457 BWTR. - Stage #5. B2 & C sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 3', 2' & 2' perf guns. Set plug @ 5140'. Perforate B2 sds @ 5076- 79', C sds @ 4964- 66', 4954- 56' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 21 shots. RU BJ Services. 1756 psi on well. Broke @ 3811 psi. No ISIP, 1 min or 4 min due to close zones. Frac B2 & C sds w/35,464#'s of 20/40 sand in 386 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3520 psi w/ ave rate of 29 BPM. ISIP 2213 psi. FG @ .88. 5 min 1817 psi, 10 min 1727 psi, 15 min 1688 psi. Leave pressure on well. 3190 BWTR. - Stage #4. A1 sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 10' perf guns. Set plug @ 5300'. Perforate A1 sds @ 5215- 25' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 30 shots. RU BJ Services. 1895 psi on well. Broke @ 3999 psi. No ISIP, 1 min, 4 min due to low psi. Frac A1 sds w/85,395#'s of 20/40 sand in 691 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2740 psi w/ ave rate of 42 BPM. ISIP 2204 psi. FG @ .87. 5 min 2074 psi, 10 min 2005 psi, 15 min 1957 psi. Leave

pressure on well. 2804 BWTR. - Stage #3. LODC sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 6', 4', 2' & 1' perf guns. Set plug @ 5300'. Perforate LODC sds @ 5625- 31', 5570- 74', 5459- 61', 5431- 32' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 39 shots. RU BJ Services. 1520 psi on well. Broke @ 2534 psi. No ISIP, 1 min or 4 min due to low psi. Frac LODC sds w/ 151,364#'s of 20/40 sand in 1139 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3046 psi w/ ave rate of 39.7 BPM. ISIP 2369 psi. FG @ .87. 5 min 2248 psi, 10 min 2151 psi, 15 min 2080 psi. Leave pressure on well. 2113 BWTR. - Stage #2. CP1 sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 3' & 6' perf guns. Set plug @ 5850'. Perforate CP1 sds @ 5797- 5800', 5787- 5793' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 27 shots. RU BJ Services. 1520 psi on well. Broke @ 3935 psi. No ISIP, 1 min or 4 min due to low psi. Frac CP1 sds w/ 25,489#'s of 20/40 sand in 391 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2099 psi w/ ave rate of 26 BPM. ISIP 1769 psi. FG @ .75. 5 min 1700 psi, 10 min 1653 psi, 15 min 1620 psi. Leave pressure on well. 974 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$54,115

**12/19/2009 Day: 3**

**Completion**

Rigless on 12/19/2009 - 800 psi on well. RU Perforator LLC. Set Weatherford 5 1/2" solid kill plug @ 4420'. Bleed off pressure. RD Perforators LLC. SIWFN w/ 2339 BWTR. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, MIRUSU, R/D Camron BOPS, R/U Wellhead & Weatherford BOPS, P/U & TIH W/- Bit & Bit Sub, 104 Jts Tbg, SWI, 5:30 PM CSDFN, 5:30 To 6:00 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, MIRUSU, R/D Camron BOPS, R/U Wellhead & Weatherford BOPS, P/U & TIH W/- Bit & Bit Sub, 104 Jts Tbg, SWI, 5:30 PM CSDFN, 5:30 To 6:00 PM C/Trvl. - RU Perforators LLC WLT, lubricator & crane. 800 psi on well. RIH w/ Weatherford 5 1/2" solid composite plug. Set kill plug @ 4420'. Bleed off pressure. RD WLT & crane. SIWFN w/ 2339 BWTR. - RU Perforators LLC WLT, lubricator & crane. 800 psi on well. RIH w/ Weatherford 5 1/2" solid composite plug. Set kill plug @ 4420'. Bleed off pressure. RD WLT & crane. SIWFN w/ 2339 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$161,686

**12/21/2009 Day: 5**

**Completion**

NC #1 on 12/21/2009 - Cont I/Hle W/-Tbg, R/U & Drill Up Plgs @ 4420'-4530'-4880'-5140'-5300'-RIH To 5657' Curc Well Cln, POOH W/-1 Jt Tbg, SWI, C/SDFN. - 5:30 To 6:00 AM C/Trvl, 6:00 AM ZHO Thau BOP & W/-HD, OWU RIH W/-Tbg To Plg @ 4420', R/U 4 Star Pwr Swvl, R/U R/pmp, Drill Up Plg, 40 Min Drill Time. Swvl I/Hle To Plg @ 4530' Drill Up Plg 45 Min Drill Time. Swvl I/Hle To Plg @ 4880' Drill Up Plg 45 Min Drill Time. Swvl I/Hle To Plg @ 5140', Drill Up Plg 1 Hr Drill Time. Swvl I/Hol To Plg @ 5300' Drill Up Plg 1 Hr Drill Time, Swvl I/Hle To 5657', Curc Well Cln. POOH W/-1 Jt Tbg, EOB @ 5624', SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. Well Gained 32 BW For Day. 2307 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$205,113

**12/22/2009 Day: 6**

**Completion**

NC #1 on 12/22/2009 - RIH & Drill Remaining Plgs, C/Out To PBTD @ 6371', Swab For Cln Up, Rcvrd 80 BW, FFL @ 1400', C/Out To PBTD, Curc Well Cln. POOH W/-Tbg & Bit. RIH W/Tbg Prod Strng. - 5:30 To 6:00 AM C/Trvl, 6:00 AM D&M Thau BOP & W/-HD, OWU RIH W/-Tbg To Plg @ 5710", R/U 4 Star Pwr Swvl, R/U R/pmp, Drill Up Plg 40 Min Drill Time. Swvl I/Hle To

Plg @ 5850' Drill Up Plg 1 Hr Drill Time. Swvl I/Hle To Fill @ 6259', Drill & Cln Out To PBTD @ 6371', Curc Well Cln 1 Hr. Gained 40 BW On C/Out To PBTD. R/D Swvl, POOH W/-3 Jts Tbg, EOB @ 6273'. R/U Swab RIH IFL @ Surf, Made 7 Swab Runs, Recvred 80 BW, Lite Trce Oil, Lite Trce Sand, FFL @ 1400', RIH W/-3 Jts Tbg, Curc Well Cln @ PBTD 6371'. POOH W/-196 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 2 Jts Tbg, S/N, 1 Jt Tbg, 5 1/2" T/A, 185 Jts Tbg, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. Lost 15 BW Last Curc Out @ PBTD, Total BWTR = 2202

**Daily Cost:** \$0

**Cumulative Cost:** \$212,252

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**12/23/2009 Day: 7**

**Completion**

NC #1 on 12/23/2009 - Thau Well HD & BOP, N/D BOP, Set T/A In 18,000 Tension, N/U W/-HD, H/O Flsh Tbg W/-30 BW, RIH W/-pmp & Rod Prod Strng, Seat pmp, R/U Unit, Fill Tbg W/-3 BW, Stroke Unit & Tbg To 800 Psi, Good Test, R/D Rig, POP @ 1:30PM, 144" SL, 5 SPM (Final Report). - 5:30 To 6:00 AM C/Trvl, 6:00 AM Advantage H/Oiler Thau BOP & W/HD, N/D BOP, Set T/A In 18,000 Tension, N/U W/HD. H/Oiler Flush Tbg W/-30 BW. R/U Rod Eq, P/U Stroke & RIH W/-Central Hydraulic 2 1/2X1 3/4X20X24' RHAC, 4 1 1/2 Wt Bars, 237-7/8 Guided Rods, 7/8X6'-2' Pony Rods, 1 1/2X30' Polish Rod, Seat pmp, R/U Unit, R/U R/pmp, Fill Tbg W/-3 BW, Stroke Unit & Tbg To 800 Psi, Good Test. Rack Out Eq, R/D Rig. 2205 BWTR ( Final Report ). **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$252,042

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-66184

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
ASHLEY FEDERAL K-15-9-15

3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202 3a. Phone No. (include area code)  
(435)646-3721

9. AFI Well No.  
43-013-33940

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

10. Field and Pool or Exploratory  
MONUMENT BUTTE

At surface 1720' FNL & 762' FEL (SE/NE) SEC. 15, T9S, R15E

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC.15, T9S, R15E

At top prod. interval reported below 2405' FNL & 242' FEL (SE/NE) SEC. 15, T9S, R15E (UTU-66184)

12. County or Parish 13. State  
DUCHESNE UT

At total depth 2514 FSL & 12 FWL (NW/SW) SEC. 14, T9S, R15E (UTU-66184) *per HSM review*

14. Date Spudded 11/06/2009 15. Date T.D. Reached 11/25/2009 16. Date Completed 12/23/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6256' GL 6268' KB

18. Total Depth: MD 6390' TVD 6225' 19. Plug Back T.D.: MD 6332' TVD 6176'

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	320'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6389'		300 PRIMLITE		58'	
						425 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6121'	TA @ 6019'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) See Below			See Below			
B) GRRV			4439-6065			
C)						
D)						

26. Perforation Record

Perforation Interval	Size	No. Holes	Perf. Status
See Below			
4439-6065			

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

Depth Interval	Amount and Type of Material
See Below	See Below

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/24/09	01/05/10	24	→	128	32	80			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD & USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3726' 3973'
				GARDEN GULCH 2 POINT 3	4080' 4340'
				X MRKR Y MRKR	4617' 4655'
				DOUGALS CREEK MRK BI CARBONATE MRK	4765' 5008'
				B LIMESTON MRK CASTLE PEAK	5107' 5702'
				BASAL CARBONATE WASATCH	6154' 6280'

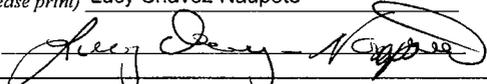
32. Additional remarks (include plugging procedure):

- Stage 1: Green River Formation (CP5, CP4 & CP3) 5923-26', 6001-03', 6060-65', .36" 3/30 Frac w/ 24815#s of 20/40 sand in 219 bbls of Lightning 17 fluid
- Stage 2: Green River Formation (CP1) 5787-5800', .36" 3/27 Frac w/ 25489#s of 20/40 sand in 215 bbls of Lightning 17 fluid
- Stage 3: Green River Formation (LODC) 5431-5625' .36" 3/39 Frac w/ 151364#s of 20/40 sand in 974 bbls of Lightning 17 fluid
- Stage 4: Green River Formation (A1) 5215-25' .36" 3/30 Frac w/ 85395#s of 20/40 sand in 525 bbls of Lightning 17 fluid
- Stage 5: Green River Formation (C & B2) 4954-66', 5076-79', .36" 3/21 Frac w/ 35464#s of 20/40 sand in 235 bbls of Lightning 17 fluid
- Stage 6: Green River Formation (D1) 4806-11' .36" 3/15 Frac w/ 14512#s of 20/40 sand in 125 bbls of Lightning 17 fluid
- Stage 7: Green River Formation (PB8) 4438-42' .36" 3/12 Frac w/ 11180#s of 20/40 sand in 95 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.)
- Sundry Notice for plugging and cement verification
- Geologic Report
- Core Analysis
- DST Report
- Other:
- Directional Survey

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

Name (please print) Lucy Chavez-Naupoto Title Administrative Assistant  
 Signature  Date 01/14/2010

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)

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DIV. OF OIL, GAS & MINING

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 15 T9S, R15E  
K-15-9-15**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**21 December, 2009**

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**JAN 19 2010**

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

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

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HathawayBurnham

Survey Report



DIV OF OIL, GAS & MINING

Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 15 T9S, R15E  
 Well: K-15-9-15  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well K-15-9-15  
 TVD Reference: K-15-9-15 @ 6268.0ft (RIG #2)  
 MD Reference: K-15-9-15 @ 6268.0ft (RIG #2)  
 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 15 T9S, R15E, SEC 15 T9S, R15E				
Site Position:		Northing:	7,182,500.00ft	Latitude:	40° 1' 50.727 N
From:	Map	Easting:	1,999,400.00ft	Longitude:	110° 13' 4.516 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.82 °

Well	K-15-9-15, SHL LAT: 40 02 00.38, LONG: -110 12 41.62					
Well Position	+N/-S	0.0 ft	Northing:	7,183,502.19 ft	Latitude:	40° 2' 0.380 N
	+E/-W	0.0 ft	Easting:	2,001,166.62 ft	Longitude:	110° 12' 41.620 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,268.0 ft	Ground Level:	6,256.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/11/14	11.56	65.81	52,424

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	142.88	

Survey Program	Date 2009/12/21				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
421.0	6,381.0	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	0.70	138.72	421.0	-1.9	1.7	2.6	0.17	0.17	0.00
452.0	0.71	137.62	452.0	-2.2	2.0	2.9	0.05	0.03	-3.55
482.0	0.83	141.81	482.0	-2.5	2.2	3.3	0.44	0.40	13.97
513.0	1.19	141.19	513.0	-3.0	2.6	3.9	1.16	1.16	-2.00
543.0	1.25	132.04	543.0	-3.4	3.0	4.5	0.68	0.20	-30.50
573.0	1.54	141.57	573.0	-3.9	3.5	5.3	1.23	0.97	31.77
604.0	1.85	144.36	604.0	-4.7	4.0	6.2	1.03	1.00	9.00
635.0	2.09	150.71	634.9	-5.6	4.6	7.2	1.05	0.77	20.48
665.0	2.61	152.95	664.9	-6.7	5.2	8.4	1.76	1.73	7.47
696.0	3.25	150.03	695.9	-8.1	5.9	10.0	2.12	2.06	-9.42
726.0	3.58	154.62	725.8	-9.6	6.8	11.8	1.43	1.10	15.30
757.0	4.09	148.93	756.7	-11.5	7.8	13.8	2.05	1.65	-18.35

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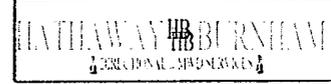
JAN 19 2010

HathawayBurnham

Survey Report



DIV. OF OIL, GAS & MINING

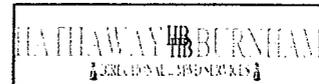


Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 15 T9S, R15E  
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 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well K-15-9-15  
 TVD Reference: K-15-9-15 @ 6268.0ft (RIG #2)  
 MD Reference: K-15-9-15 @ 6268.0ft (RIG #2)  
 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)
788.0	4.37	150.08	787.7	-13.4	8.9	16.1	0.94	0.90	3.71
818.0	4.90	142.56	817.6	-15.4	10.3	18.5	2.68	1.77	-25.07
849.0	5.26	149.73	848.4	-17.7	11.8	21.2	2.35	1.16	23.13
880.0	5.69	142.89	879.3	-20.2	13.4	24.2	2.52	1.39	-22.06
911.0	6.00	147.61	910.1	-22.8	15.2	27.3	1.84	1.00	15.23
943.0	6.37	147.13	942.0	-25.7	17.1	30.8	1.17	1.16	-1.50
975.0	6.77	144.19	973.7	-28.7	19.1	34.4	1.63	1.25	-9.19
1,007.0	6.99	145.81	1,005.5	-31.8	21.3	38.3	0.92	0.69	5.06
1,038.0	7.40	144.41	1,036.3	-35.0	23.6	42.1	1.44	1.32	-4.52
1,070.0	7.76	143.29	1,068.0	-38.4	26.1	46.4	1.22	1.13	-3.50
1,102.0	8.28	142.98	1,099.7	-42.0	28.7	50.8	1.63	1.63	-0.97
1,134.0	8.50	142.89	1,131.3	-45.7	31.5	55.5	0.69	0.69	-0.28
1,165.0	8.99	143.81	1,162.0	-49.5	34.4	60.2	1.64	1.58	2.97
1,197.0	9.05	145.08	1,193.6	-53.6	37.3	65.2	0.65	0.19	3.97
1,229.0	9.16	144.41	1,225.2	-57.7	40.2	70.3	0.48	0.34	-2.09
1,260.0	9.36	144.08	1,255.8	-61.8	43.1	75.3	0.67	0.65	-1.06
1,292.0	9.60	144.63	1,287.3	-66.0	46.2	80.5	0.80	0.75	1.72
1,324.0	10.06	144.23	1,318.9	-70.5	49.4	86.0	1.45	1.44	-1.25
1,356.0	10.68	144.52	1,350.3	-75.2	52.7	91.8	1.94	1.94	0.91
1,388.0	11.10	143.92	1,381.8	-80.1	56.3	97.8	1.36	1.31	-1.88
1,419.0	11.56	142.98	1,412.2	-85.0	59.9	103.9	1.60	1.48	-3.03
1,451.0	11.87	141.88	1,443.5	-90.1	63.8	110.4	1.19	0.97	-3.44
1,483.0	12.33	140.94	1,474.8	-95.4	68.0	117.1	1.56	1.44	-2.94
1,515.0	12.59	140.69	1,506.0	-100.7	72.4	124.0	0.83	0.81	-0.78
1,546.0	12.77	139.53	1,536.3	-105.9	76.8	130.8	1.01	0.58	-3.74
1,578.0	13.01	140.94	1,567.5	-111.4	81.3	137.9	1.24	0.75	4.41
1,610.0	13.67	141.22	1,598.6	-117.2	86.0	145.3	2.07	2.06	0.88
1,642.0	14.33	141.18	1,629.6	-123.2	90.8	153.0	2.06	2.06	-0.13
1,737.0	14.59	138.52	1,721.6	-141.3	106.1	176.7	0.75	0.27	-2.80
1,832.0	14.59	139.57	1,813.6	-159.4	121.8	200.6	0.28	0.00	1.11
1,927.0	14.63	139.87	1,905.5	-177.7	137.3	224.5	0.09	0.04	0.32
2,022.0	14.90	141.86	1,997.4	-196.5	152.6	248.7	0.60	0.28	2.09
2,117.0	14.94	145.37	2,089.2	-216.1	167.1	273.2	0.95	0.04	3.69
2,212.0	15.07	142.56	2,180.9	-236.0	181.5	297.7	0.78	0.14	-2.96
2,307.0	15.40	141.58	2,272.6	-255.7	196.9	322.7	0.44	0.35	-1.03
2,403.0	15.14	143.75	2,365.2	-275.8	212.2	348.0	0.65	-0.27	2.26
2,498.0	15.31	142.47	2,456.9	-295.8	227.2	372.9	0.40	0.18	-1.35
2,593.0	14.48	141.07	2,548.7	-314.9	242.3	397.3	0.95	-0.87	-1.47
2,688.0	13.97	138.06	2,640.8	-332.7	257.4	420.6	0.95	-0.54	-3.17
2,783.0	13.84	139.02	2,733.0	-349.8	272.5	443.4	0.28	-0.14	1.01
2,879.0	15.51	141.35	2,825.8	-368.5	288.1	467.7	1.84	1.74	2.43
2,974.0	15.56	142.63	2,917.4	-388.6	303.7	493.1	0.36	0.05	1.35
3,068.0	16.39	142.87	3,007.7	-409.2	319.4	519.0	0.89	0.88	0.26
3,163.0	15.25	143.62	3,099.1	-429.9	334.9	544.9	1.22	-1.20	0.79
3,259.0	16.28	142.78	3,191.5	-450.8	350.5	571.0	1.10	1.07	-0.88
3,353.0	16.57	142.45	3,281.7	-471.9	366.7	597.6	0.32	0.31	-0.35
3,448.0	16.04	141.88	3,372.9	-493.0	383.0	624.2	0.58	-0.56	-0.60
3,544.0	15.59	142.55	3,465.2	-513.6	399.1	650.4	0.51	-0.47	0.70
3,639.0	14.90	143.26	3,556.9	-533.6	414.1	675.4	0.75	-0.73	0.75
3,734.0	14.30	144.91	3,648.8	-552.9	428.2	699.3	0.77	-0.63	1.74
3,829.0	13.75	145.64	3,741.0	-571.9	441.3	722.3	0.61	-0.58	0.77
3,924.0	14.26	145.83	3,833.2	-590.9	454.2	745.3	0.54	0.54	0.20
4,019.0	14.28	145.24	3,925.2	-610.2	467.5	768.7	0.15	0.02	-0.62
4,114.0	14.19	144.58	4,017.3	-629.3	480.9	792.0	0.20	-0.09	-0.69



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 15 T9S, R15E  
 Well: K-15-9-15  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

*TOP part*  
*4438-42'*

ce: Well K-15-9-15  
 K-15-9-15 @ 6268.0ft (RIG #2)  
 K-15-9-15 @ 6268.0ft (RIG #2)  
 True  
 I: Minimum Curvature  
 EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)		ical tion (t)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,210.0	13.95	144.93	4,110.4		815.3	0.27	-0.25	0.36	
4,305.0	13.21	144.65	4,202.8		837.6	0.78	-0.78	-0.29	
4,400.0	13.51	145.02	4,295.2	-684.5 ↔ 519.9	859.6	0.33	0.32	0.39	
4,495.0	13.80	144.41	4,387.5	-702.8	532.8	882.0	0.34	0.31	-0.64
4,590.0	14.13	143.59	4,479.7	-721.4	546.3	904.9	0.41	0.35	-0.86
4,685.0	14.22	144.71	4,571.8	-740.2	560.0	928.2	0.30	0.09	1.18
4,780.0	14.39	144.23	4,663.9	-759.3	573.6	951.6	0.22	0.18	-0.51
4,875.0	14.24	144.76	4,755.9	-778.5	587.2	975.1	0.21	-0.16	0.56
4,970.0	14.02	143.59	4,848.1	-797.3	600.8	998.3	0.38	-0.23	-1.23
5,066.0	13.94	141.94	4,941.2	-815.7	614.8	1,021.5	0.42	-0.08	-1.72
5,161.0	14.35	143.11	5,033.3	-834.1	629.0	1,044.7	0.53	0.43	1.23
5,256.0	14.46	143.88	5,125.4	-853.1	643.0	1,068.3	0.23	0.12	0.81
5,332.4	13.98	143.81	5,199.4	-868.3	654.1	1,087.1	0.63	-0.63	-0.09
<b>K-15-9-15 TGT</b>									
5,351.0	13.86	143.79	5,217.5	-871.9	656.7	1,091.6	0.63	-0.63	-0.10
5,446.0	13.93	139.64	5,309.7	-889.8	670.9	1,114.4	1.05	0.07	-4.37
5,541.0	13.60	142.98	5,402.0	-907.4	685.0	1,136.9	0.91	-0.35	3.52
5,636.0	14.83	143.18	5,494.1	-926.1	699.0	1,160.3	1.30	1.29	0.21
5,731.0	14.00	145.20	5,586.1	-945.3	712.8	1,183.9	1.02	-0.87	2.13
5,825.0	13.01	146.08	5,677.5	-963.4	725.2	1,205.8	1.08	-1.05	0.94
5,920.0	12.15	147.66	5,770.2	-980.7	736.6	1,226.5	0.97	-0.91	1.66
6,015.0	11.12	148.87	5,863.2	-997.0	746.6	1,245.6	1.11	-1.08	1.27
6,110.0	10.33	148.63	5,956.6	-1,012.1	755.8	1,263.1	0.83	-0.83	-0.25
6,205.0	8.85	151.88	6,050.2	-1,025.8	763.7	1,278.8	1.66	-1.56	3.42
6,320.0	7.03	155.96	6,164.1	-1,040.0	770.7	1,294.4	1.66	-1.58	3.55
6,381.0	6.05	156.30	6,224.7	-1,046.4	773.5	1,301.2	1.61	-1.61	0.56

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
K-15-9-15 TGT	0.00	0.00	5,200.0	-865.0	654.7	7,182,646.80	2,001,833.62	40° 1' 51.832 N	110° 12' 33.204 W
- actual wellpath misses by 3.4ft at 5332.4ft MD (5199.4 TVD, -868.3 N, 654.1 E)									
- Circle (radius 75.0)									

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

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 JAN 19 2010  
 DIV. OF OIL, GAS & MINING

# NEWFIELD



RECEIVED

JAN 19 2010

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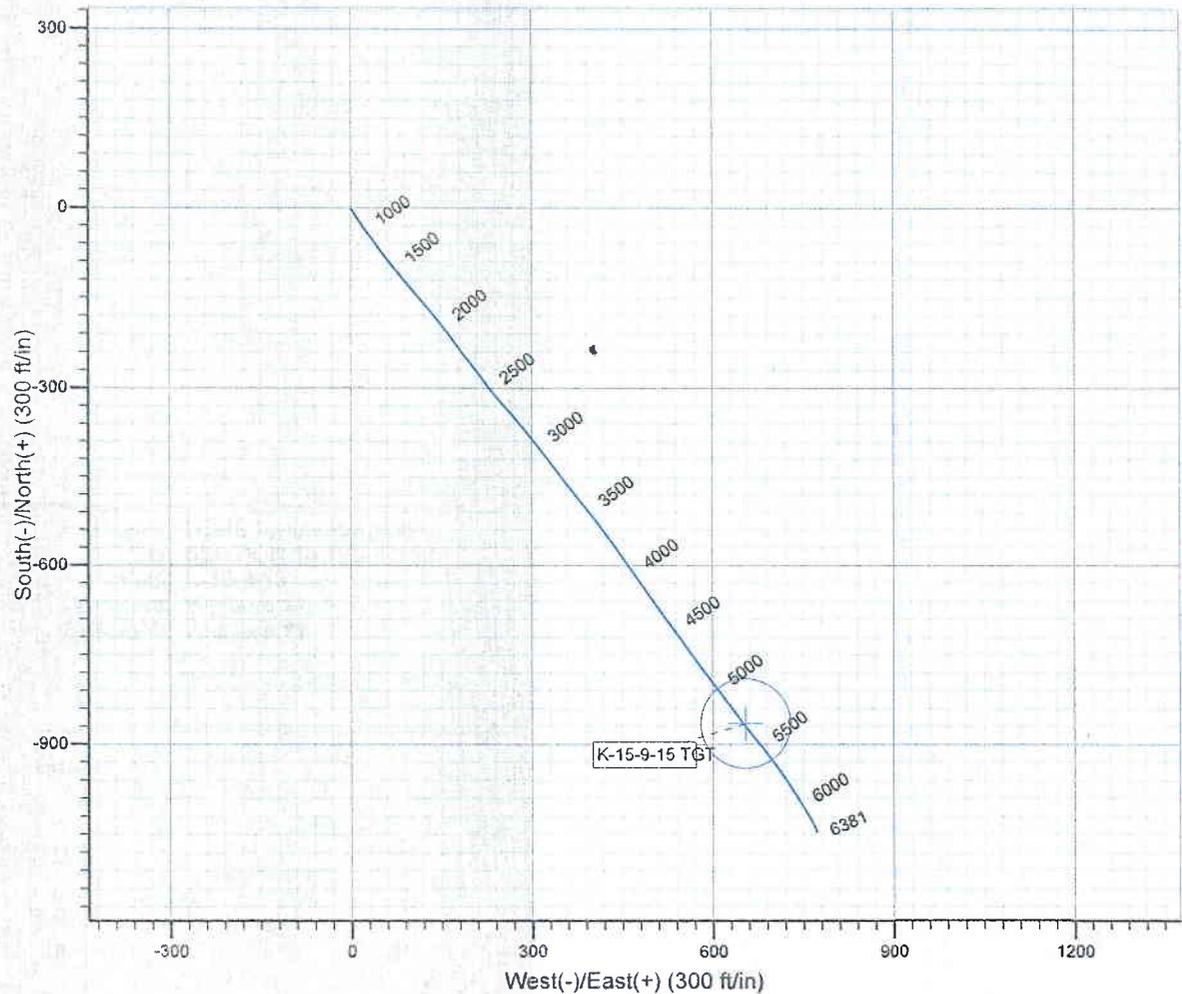
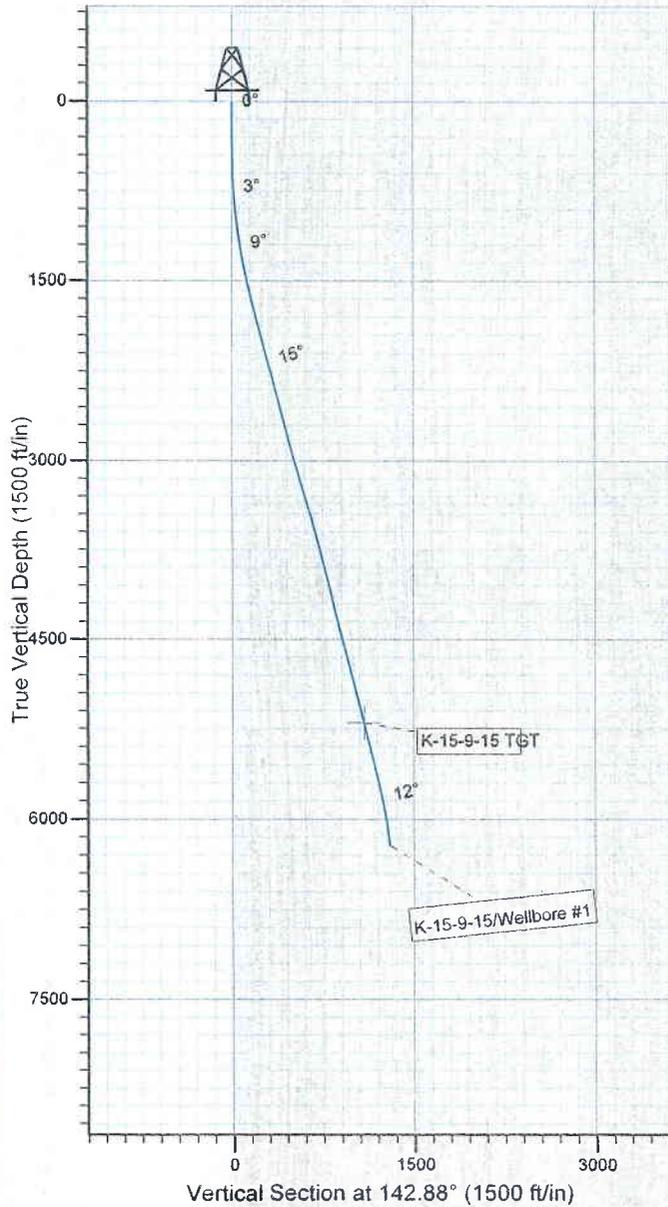
Project: USGS Myton SW (UT)  
Site: SECTION 15 T9S, R15E  
Well: K-15-9-15  
Wellbore: Wellbore #1  
SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
Magnetic North: 11.56°

Magnetic Field  
Strength: 52424.4snT  
Dip Angle: 65.81°  
Date: 2009/11/14  
Model: IGRF200510



Design: Wellbore #1 (K-15-9-15/Wellbore #1)

Created By: *Tom Hudson* Date: 19:16, December 21 2009  
THIS SURVEY IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.