

# NEWFIELD



Route #3 Box 3630  
Myton, Utah 84052  
(435) 646-4825, FAX: (435) 646-3031

April 25, 2008

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

RE: Applications for Permit to Drill

**Sundance Federal I-11-9-17**

**Sundance Federal N-11-9-17**

**Sundance Federal S-11-9-17**

**Sundance Federal B-12-9-17**

**Sundance Federal I-12-9-17**

**Wells Draw Fed. P-34-8-16**

**Greater Boundary II Fed. S-28-8-17**

**Ashley Federal R-15-9-15**

**West Point Fed. R-7-9-16**

Dear Diana:

Enclosed find APD's on the above referenced wells. Our Land Department will send you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
APR 29 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-39713
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. Sundance Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal I-12-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-40030
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE, 1962' FNL 677' FEL At proposed prod. zone <del>NW/4</del> 1220' FNL 1275' FEL		10. Field and Pool, or Exploratory <del>Myton State</del> Eight mile flat
14. Distance in miles and direction from nearest town or post office* Approximatley 17.2 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area <i>N or W</i> Sec. 12, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1220' fl/le, 9430' fl/unit	16. No. of Acres in lease 1,120.00	12. County or Parish Utah
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1375'	19. Proposed Depth 5960'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5064' GL	22. Approximate date work will start* 3rd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 4/22/08
Title Regulatory Specialist		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 05-05-08
Title Office	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.

RECEIVED

\*(Instructions on reverse)

APR 29 2008

Federal Approval of this  
Action is Necessary

DIV. OF OIL, GAS & MINING

Surf

BHL

589802X

589618X

4433329Y

4433553Y

40.047307

40.047349

-109.947247

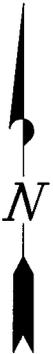
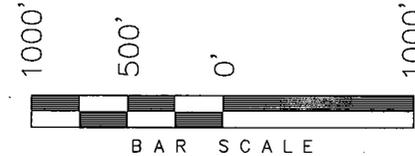
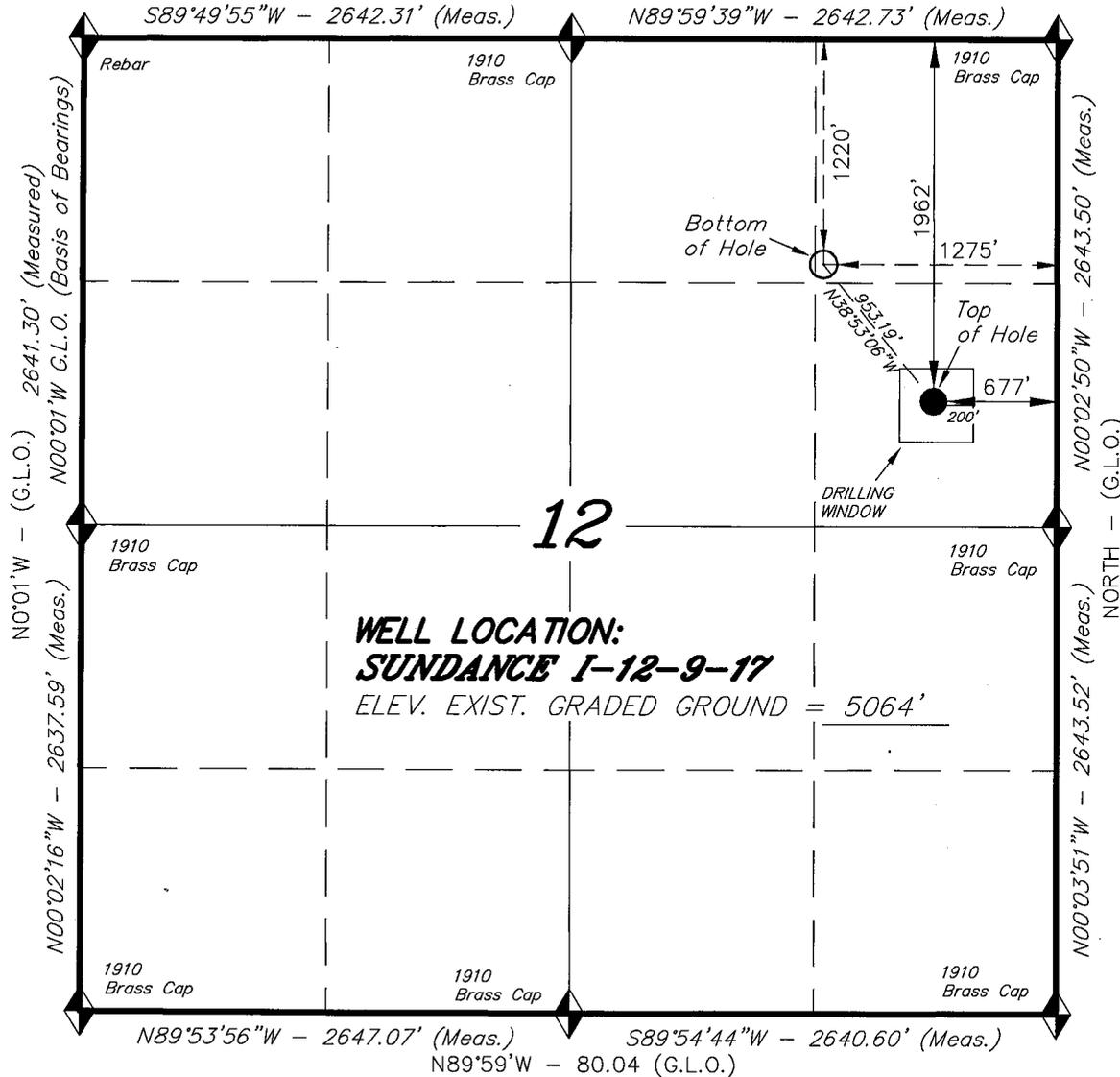
-109.949391

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

N89°58'W - 80.10 (G.L.O.)

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, *SUNDANCE I-12-9-17*,  
 LOCATED AS SHOWN IN THE SE 1/4 NE  
 1/4 OF SECTION 12, T9S, R17E,  
 S.L.B.&M. UINTAH COUNTY, UTAH.



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

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

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

**SUNDANCE I-12-9-17**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 50.24"  
 LONGITUDE = 109° 56' 52.64"

◆ = SECTION CORNERS LOCATED

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

DATE SURVEYED: 01-17-08	SURVEYED BY: T.H.
DATE DRAWN: 02-27-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL I-12-9-17  
AT SURFACE: SE/NE SECTION 12, T9S, R17E  
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1266'
Green River	1266'
Wasatch	5960'

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

Green River Formation 1266' – 5960' - 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  
SUNDANCE FEDERAL I-12-9-17  
AT SURFACE: SE/NE SECTION 12, T9S, R17E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Sundance Federal I-12-9-17 located in the SE 1/4 NE 1/4 Section 12, T9S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 15.2 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 0.5 miles  $\pm$  to it's junction with the access road to the existing Federal 8-12-9-17 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 8-12-9-17 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

The proposed well will be drilled directionally off of the Federal 8-12-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Sundance Federal I-12-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

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

**5. LOCATION AND TYPE OF WATER SUPPLY**

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

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Sundance Federal I-12-9-17 will be drilled off of the existing Federal 8-12-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 330' of disturbed area be granted in Lease UTU-39713 to allow for construction of the proposed water line. 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 330' of proposed water injection pipeline is attached. MOAC Report #03-58, 5/19/03. Paleontological Resource Survey prepared by, Wade E. Miller, 5/8/03. 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**

None for the proposed Sundance Federal I-12-9-17

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

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

**Details of the On-Site Inspection**

The proposed Sundance Federal I-12-9-17 was on-sited on 3/26/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management )and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

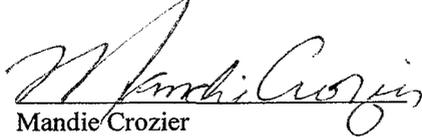
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #I-12-9-17 SE/NE Section 12, Township 9S, Range 17E: Lease UTU-39713 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

4/22/08

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

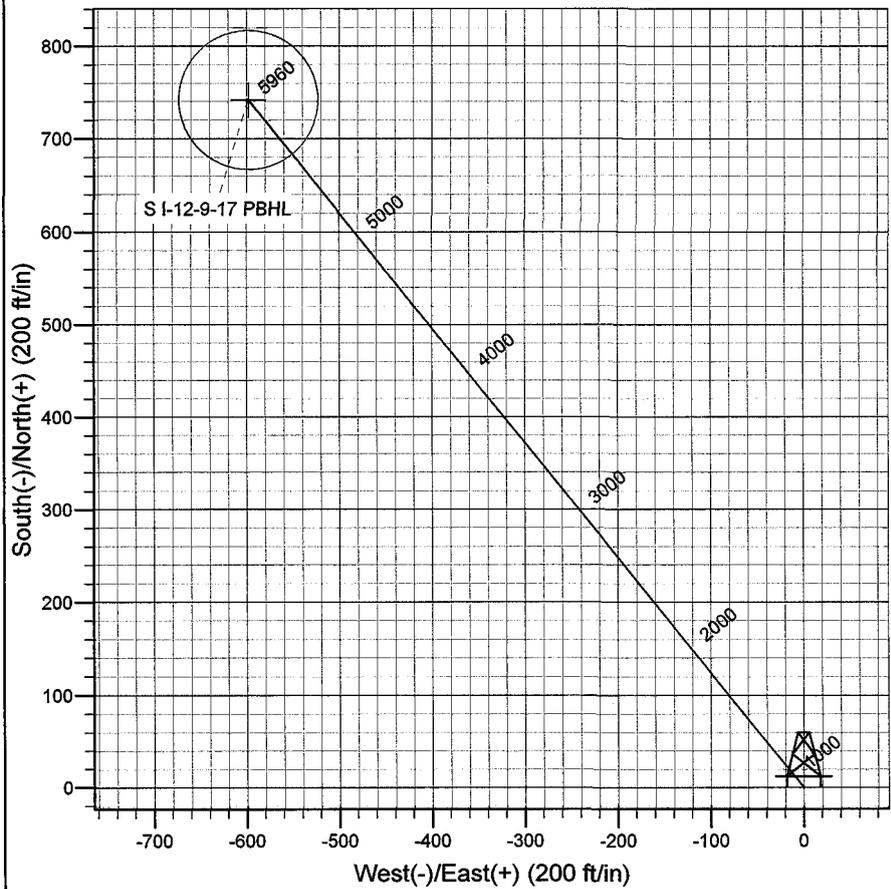
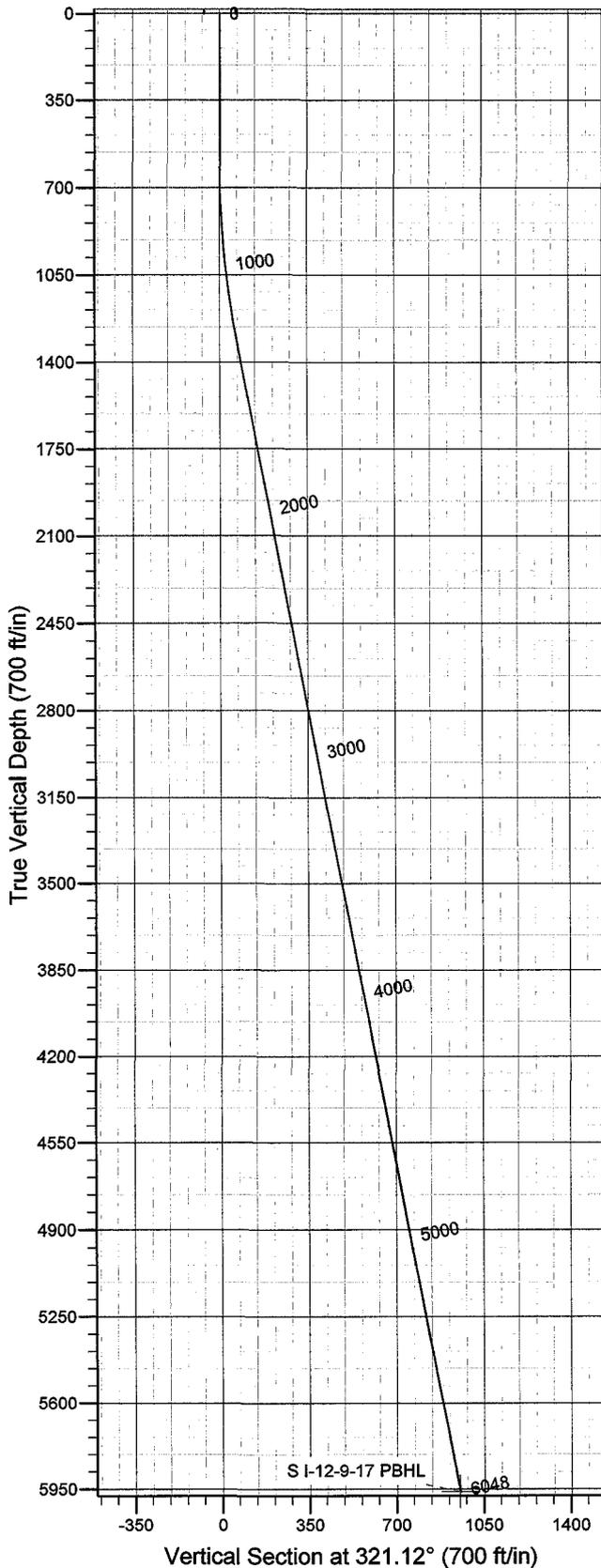


Azimuths to True North  
 Magnetic North: 11.66°

Magnetic Field  
 Strength: 52626.9snT  
 Dip Angle: 65.91°  
 Date: 2008-04-23  
 Model: IGRF2005-10

WELL DETAILS: Sundance I-12-9-17

GL 5064' & RKB 12' @ 5076.00ft 5064.00  
 +N/-S 0.00 +E/-W 0.00 Northing 7189732.68 Easting 2074883.37 Latitude 40° 2' 50.240 N Longitude 109° 56' 52.640 W



Plan: Plan #1 (Sundance I-12-9-17/OH)  
 Created By: Julie Cruse Date: 2008-04-23  
 PROJECT DETAILS: Uintah County, UT NAD83 UTC  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah Central Zone  
 Location:  
 System Datum: Mean Sea Level  
 Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
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	
1319.68	10.80	321.12	1315.43	52.62	-42.43	1.50	321.12	67.60	
6047.93	10.80	321.12	5960.00	742.02	-598.31	0.00	0.00	953.19	S I-12-9-17 PBHL

# **Newfield Exploration Co.**

**Uintah County, UT NAD83 UTC**

**Sundance**

**Sundance I-12-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**23 April, 2008**

# Scientific Drilling Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance  
**Well:** Sundance I-12-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance I-12-9-17  
**TVD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**MD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Uintah 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>	Sundance,				
<b>Site Position:</b>		<b>Northing:</b>	7,199,041.33 ft	<b>Latitude:</b>	40° 4' 21.790 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,077,411.03 ft	<b>Longitude:</b>	109° 56' 18.050 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	1.00 °

<b>Well</b>	Sundance I-12-9-17					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,189,732.68 ft	<b>Latitude:</b>	40° 2' 50.240 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,074,883.37 ft	<b>Longitude:</b>	109° 56' 52.640 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,064.00 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</b>
	IGRF2005-10	2008-04-23	(°)	(°)	(nT)
			11.66	65.91	52,627

<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)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	321.12

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	
1,319.68	10.80	321.12	1,315.43	52.62	-42.43	1.50	1.50	0.00	321.12	
6,047.93	10.80	321.12	5,960.00	742.02	-598.31	0.00	0.00	0.00	0.00	S I-12-9-17 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance  
**Well:** Sundance I-12-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance I-12-9-17  
**TVD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**MD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	321.12	699.99	1.02	-0.82	1.31	1.50	1.50	0.00
800.00	3.00	321.12	799.91	4.08	-3.29	5.23	1.50	1.50	0.00
900.00	4.50	321.12	899.69	9.17	-7.39	11.77	1.50	1.50	0.00
1,000.00	6.00	321.12	999.27	16.29	-13.13	20.92	1.50	1.50	0.00
1,100.00	7.50	321.12	1,098.57	25.44	-20.51	32.68	1.50	1.50	0.00
1,200.00	9.00	321.12	1,197.54	36.61	-29.52	47.03	1.50	1.50	0.00
1,300.00	10.50	321.12	1,296.09	49.79	-40.15	63.96	1.50	1.50	0.00
1,319.68	10.80	321.12	1,315.43	52.62	-42.43	67.60	1.50	1.50	0.00
1,400.00	10.80	321.12	1,394.33	64.33	-51.87	82.64	0.00	0.00	0.00
1,500.00	10.80	321.12	1,492.56	78.91	-63.63	101.37	0.00	0.00	0.00
1,600.00	10.80	321.12	1,590.79	93.49	-75.39	120.10	0.00	0.00	0.00
1,700.00	10.80	321.12	1,689.02	108.07	-87.14	138.83	0.00	0.00	0.00
1,800.00	10.80	321.12	1,787.25	122.66	-98.90	157.56	0.00	0.00	0.00
1,900.00	10.80	321.12	1,885.48	137.24	-110.66	176.29	0.00	0.00	0.00
2,000.00	10.80	321.12	1,983.71	151.82	-122.41	195.02	0.00	0.00	0.00
2,100.00	10.80	321.12	2,081.94	166.40	-134.17	213.75	0.00	0.00	0.00
2,200.00	10.80	321.12	2,180.17	180.98	-145.93	232.48	0.00	0.00	0.00
2,300.00	10.80	321.12	2,278.40	195.56	-157.68	251.21	0.00	0.00	0.00
2,400.00	10.80	321.12	2,376.63	210.14	-169.44	269.94	0.00	0.00	0.00
2,500.00	10.80	321.12	2,474.86	224.72	-181.20	288.67	0.00	0.00	0.00
2,600.00	10.80	321.12	2,573.09	239.30	-192.95	307.40	0.00	0.00	0.00
2,700.00	10.80	321.12	2,671.32	253.88	-204.71	326.13	0.00	0.00	0.00
2,800.00	10.80	321.12	2,769.55	268.46	-216.47	344.86	0.00	0.00	0.00
2,900.00	10.80	321.12	2,867.78	283.04	-228.22	363.59	0.00	0.00	0.00
3,000.00	10.80	321.12	2,966.01	297.62	-239.98	382.32	0.00	0.00	0.00
3,100.00	10.80	321.12	3,064.24	312.20	-251.73	401.05	0.00	0.00	0.00
3,200.00	10.80	321.12	3,162.47	326.78	-263.49	419.78	0.00	0.00	0.00
3,300.00	10.80	321.12	3,260.70	341.36	-275.25	438.51	0.00	0.00	0.00
3,400.00	10.80	321.12	3,358.93	355.94	-287.00	457.24	0.00	0.00	0.00
3,500.00	10.80	321.12	3,457.16	370.52	-298.76	475.97	0.00	0.00	0.00
3,600.00	10.80	321.12	3,555.39	385.10	-310.52	494.70	0.00	0.00	0.00
3,700.00	10.80	321.12	3,653.63	399.68	-322.27	513.43	0.00	0.00	0.00
3,800.00	10.80	321.12	3,751.86	414.26	-334.03	532.16	0.00	0.00	0.00
3,900.00	10.80	321.12	3,850.09	428.84	-345.79	550.89	0.00	0.00	0.00
4,000.00	10.80	321.12	3,948.32	443.43	-357.54	569.62	0.00	0.00	0.00
4,100.00	10.80	321.12	4,046.55	458.01	-369.30	588.35	0.00	0.00	0.00
4,200.00	10.80	321.12	4,144.78	472.59	-381.06	607.08	0.00	0.00	0.00
4,300.00	10.80	321.12	4,243.01	487.17	-392.81	625.81	0.00	0.00	0.00
4,400.00	10.80	321.12	4,341.24	501.75	-404.57	644.54	0.00	0.00	0.00
4,500.00	10.80	321.12	4,439.47	516.33	-416.33	663.27	0.00	0.00	0.00
4,600.00	10.80	321.12	4,537.70	530.91	-428.08	682.00	0.00	0.00	0.00
4,700.00	10.80	321.12	4,635.93	545.49	-439.84	700.73	0.00	0.00	0.00
4,800.00	10.80	321.12	4,734.16	560.07	-451.60	719.46	0.00	0.00	0.00
4,900.00	10.80	321.12	4,832.39	574.65	-463.35	738.19	0.00	0.00	0.00
5,000.00	10.80	321.12	4,930.62	589.23	-475.11	756.92	0.00	0.00	0.00
5,100.00	10.80	321.12	5,028.85	603.81	-486.87	775.65	0.00	0.00	0.00
5,200.00	10.80	321.12	5,127.08	618.39	-498.62	794.37	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance  
**Well:** Sundance I-12-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance I-12-9-17  
**TVD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**MD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	10.80	321.12	5,225.31	632.97	-510.38	813.10	0.00	0.00	0.00
5,400.00	10.80	321.12	5,323.54	647.55	-522.14	831.83	0.00	0.00	0.00
5,500.00	10.80	321.12	5,421.77	662.13	-533.89	850.56	0.00	0.00	0.00
5,600.00	10.80	321.12	5,520.00	676.71	-545.65	869.29	0.00	0.00	0.00
5,700.00	10.80	321.12	5,618.23	691.29	-557.41	888.02	0.00	0.00	0.00
5,800.00	10.80	321.12	5,716.46	705.87	-569.16	906.75	0.00	0.00	0.00
5,900.00	10.80	321.12	5,814.69	720.45	-580.92	925.48	0.00	0.00	0.00
6,000.00	10.80	321.12	5,912.92	735.03	-592.67	944.21	0.00	0.00	0.00
6,047.93	10.80	321.12	5,960.00	742.02	-598.31	953.19	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
S I-12-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	5,960.00	742.02	-598.31	7,190,464.21	2,074,272.28	40° 2' 57.573 N	109° 57' 0.334 W

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

SUNDANCE I-12-9-17 (Proposed Well)

SUNDANCE 8-12-9-17 (Existing Well)

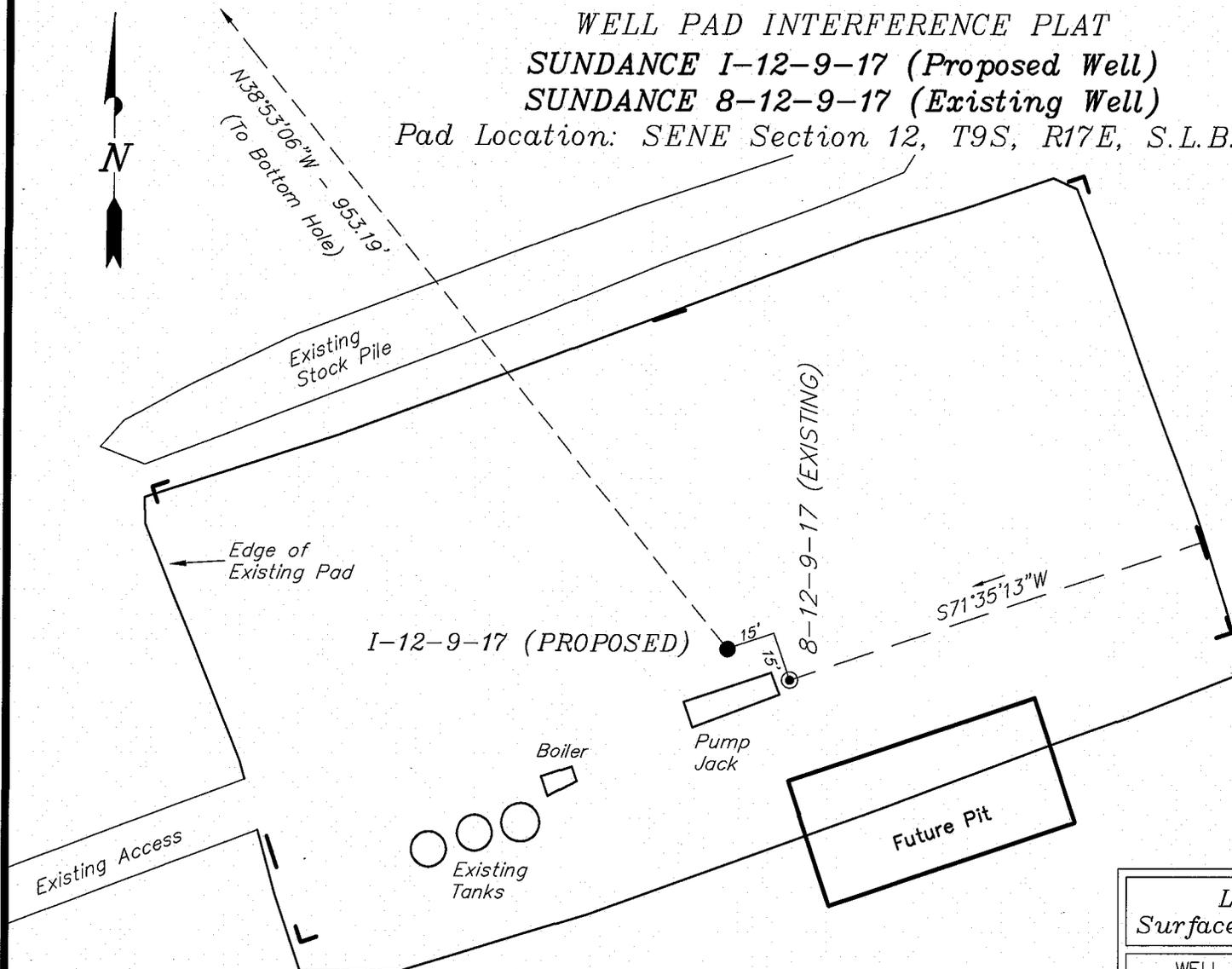
Pad Location: SENE Section 12, T9S, R17E, S.L.B.&M.

### TOP HOLE FOOTAGES

I-12-9-17 (PROPOSED)  
1962' FNL & 677' FEL

### BOTTOM HOLE FOOTAGES

I-12-9-17 (PROPOSED)  
1220' FNL & 1275' FEL



### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
I-12-9-17	742'	-598'

### Note:

Bearings are based on GLO Information.

SURVEYED BY:	T.H.	DATE SURVEYED:	01-17-08
DRAWN BY:	F.T.M.	DATE DRAWN:	02-27-08
SCALE:	1" = 50'	REVISED:	

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

WELL	LATITUDE	LONGITUDE
I-12-9-17	40° 02' 50.24"	109° 56' 52.64"
8-12-9-17	40° 02' 50.14"	109° 56' 52.40"

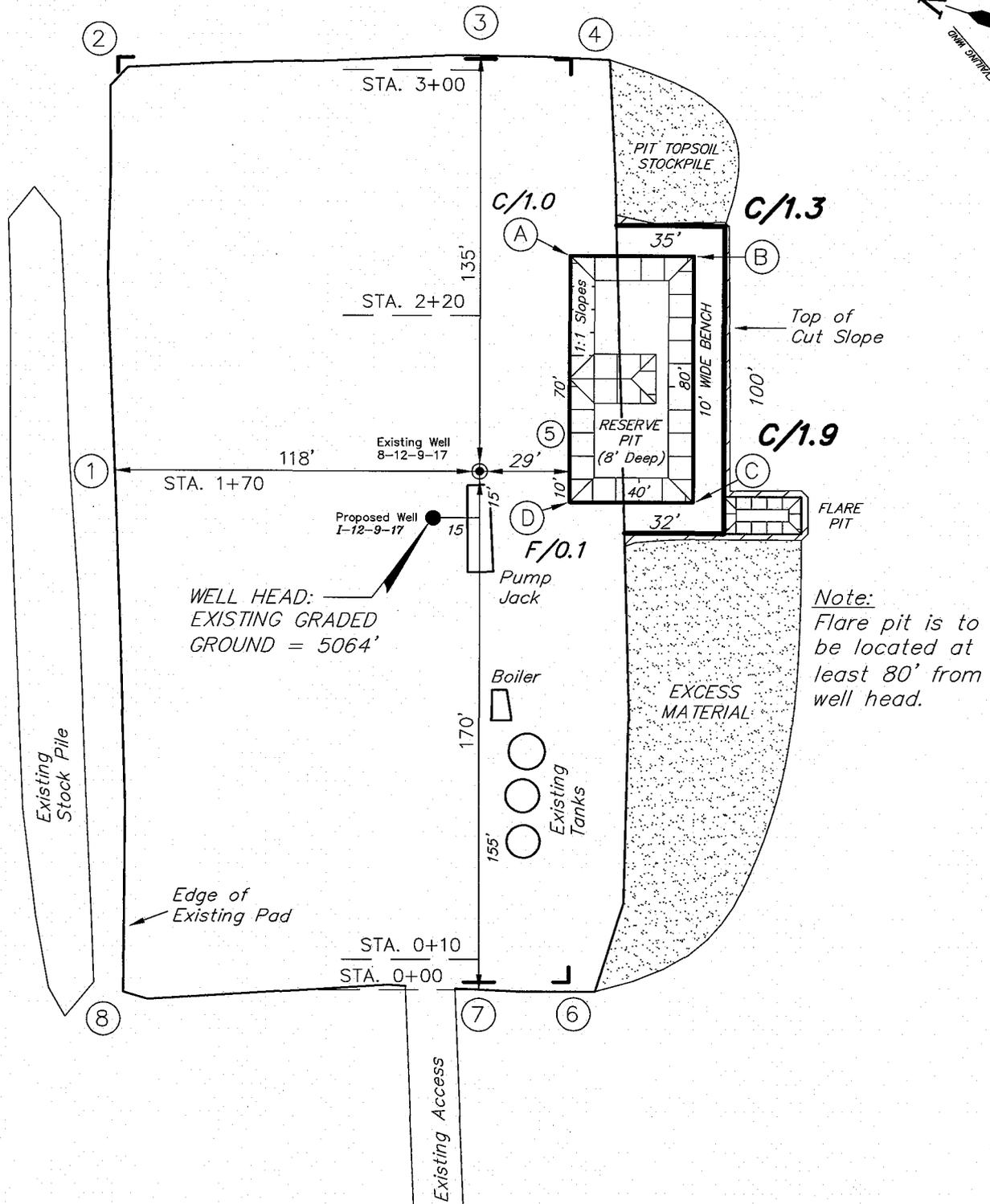
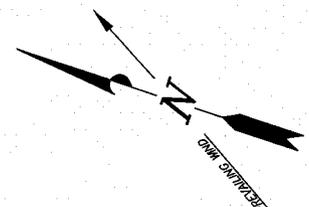
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

SUNDANCE I-12-9-17 (Proposed Well)

SUNDANCE 8-12-9-17 (Existing Well)

Pad Location: SENE Section 12, T9S, R17E, S.L.B.&M.



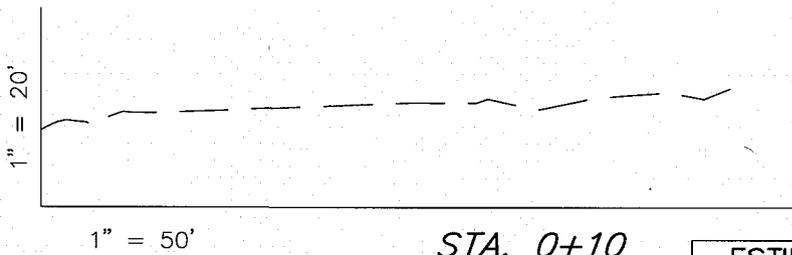
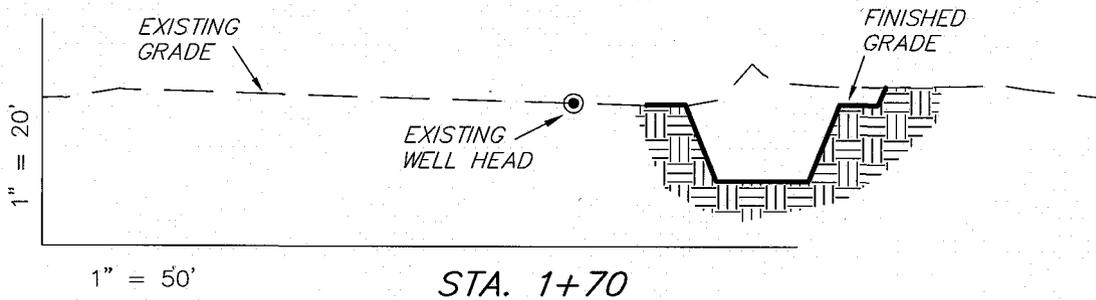
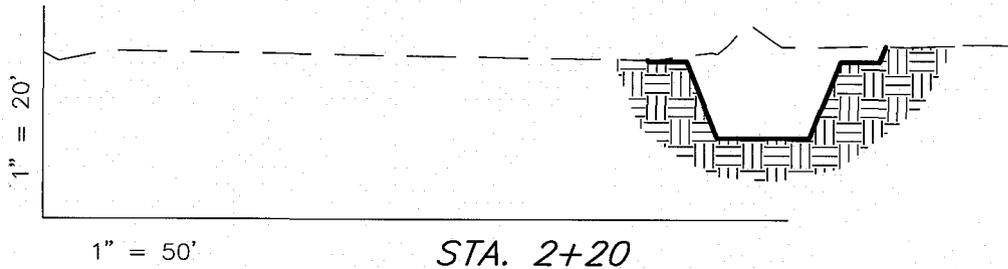
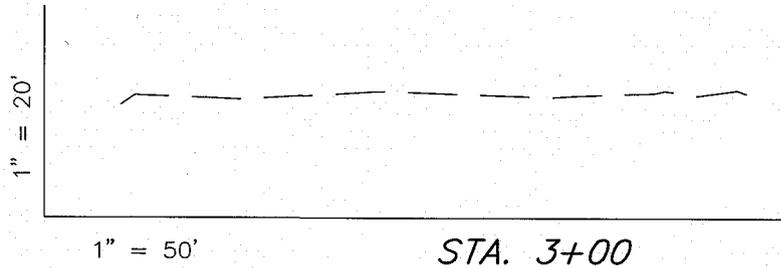
SURVEYED BY: T.H.	DATE SURVEYED: 01-17-08	<p>Tri State Land Surveying, Inc. (435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08	
SCALE: 1" = 50'	REVISED:	

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

**SUNDANCE 1-12-9-17 (Proposed Well)**

**SUNDANCE 8-12-9-17 (Existing Well)**



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	390	0	Topsoil is not included in Pad Cut	390
PIT	640	0		640
TOTALS	1,030	0	130	1,030

SURVEYED BY: T.H.	DATE SURVEYED: 01-17-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

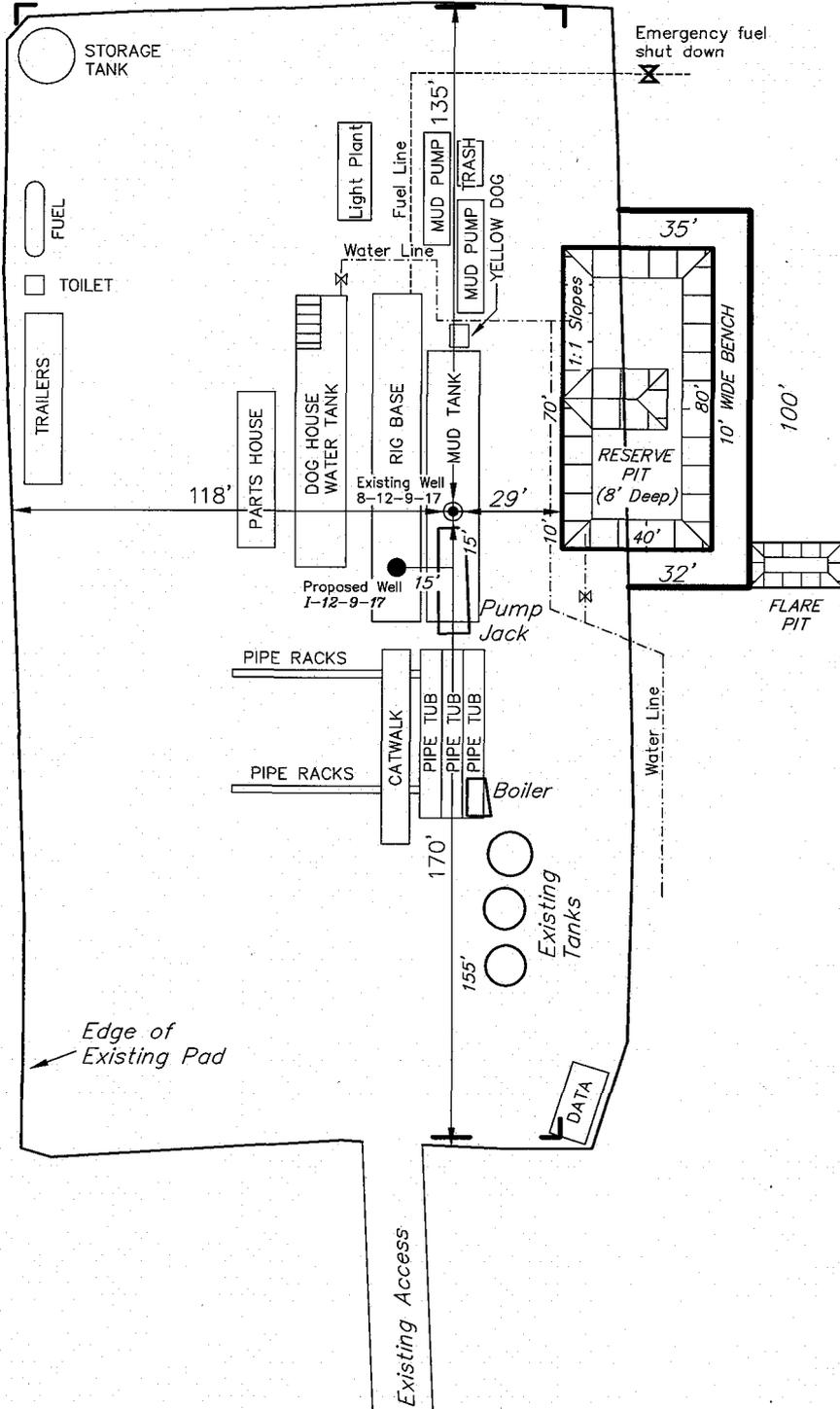
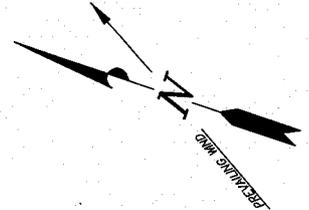
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

SUNDANCE 1-12-9-17 (Proposed Well)

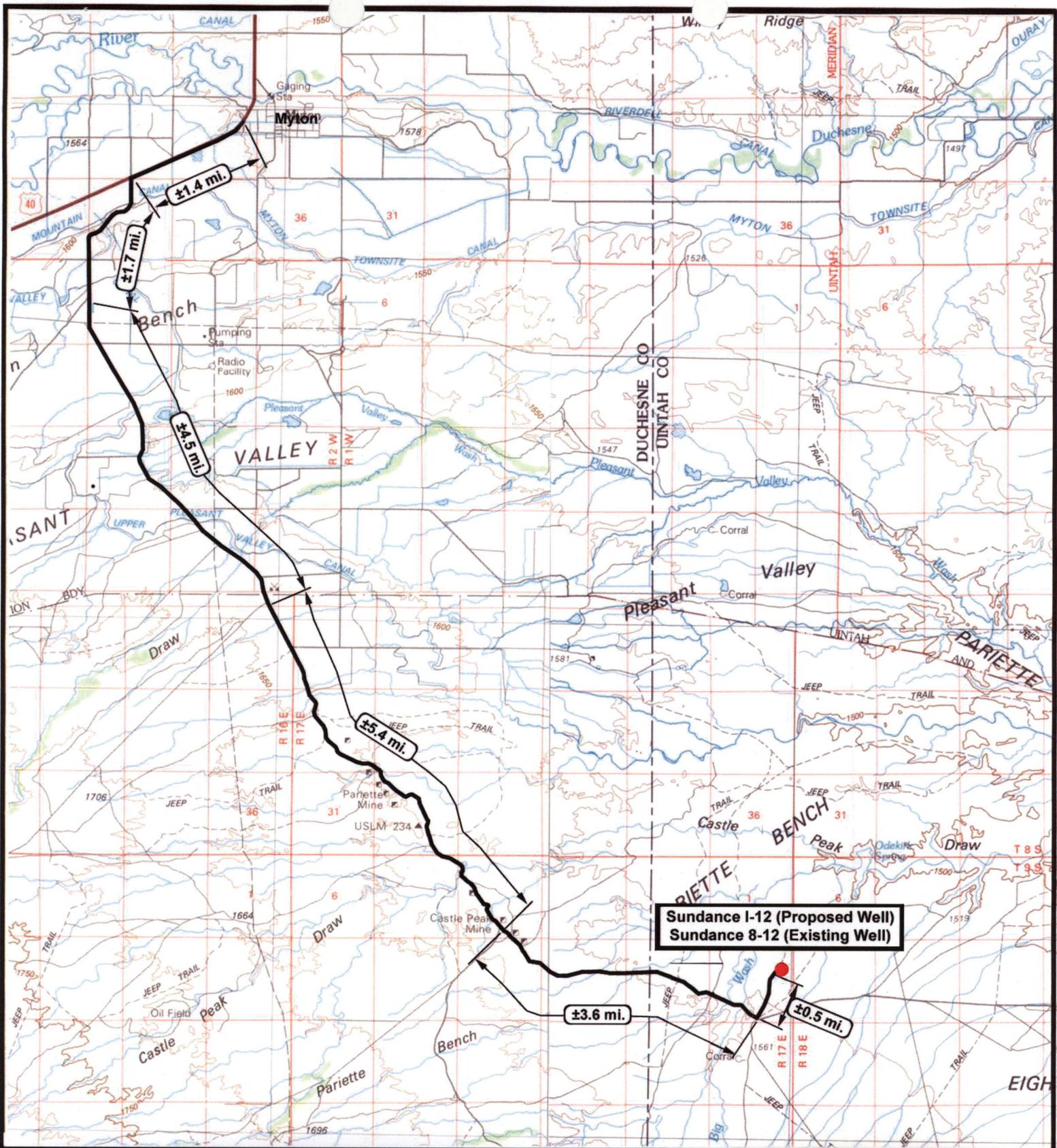
SUNDANCE 8-12-9-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 01-17-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08
SCALE: 1" = 50'	REVISED:

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



**NEWFIELD**  
Exploration Company

**Sundance I-12-9-17 (Proposed Location)**  
**Sundance 8-12-9-17 (Existing Location)**  
Pad Location SENE SEC. 12, T9S, R17E, S.L.B.&M.



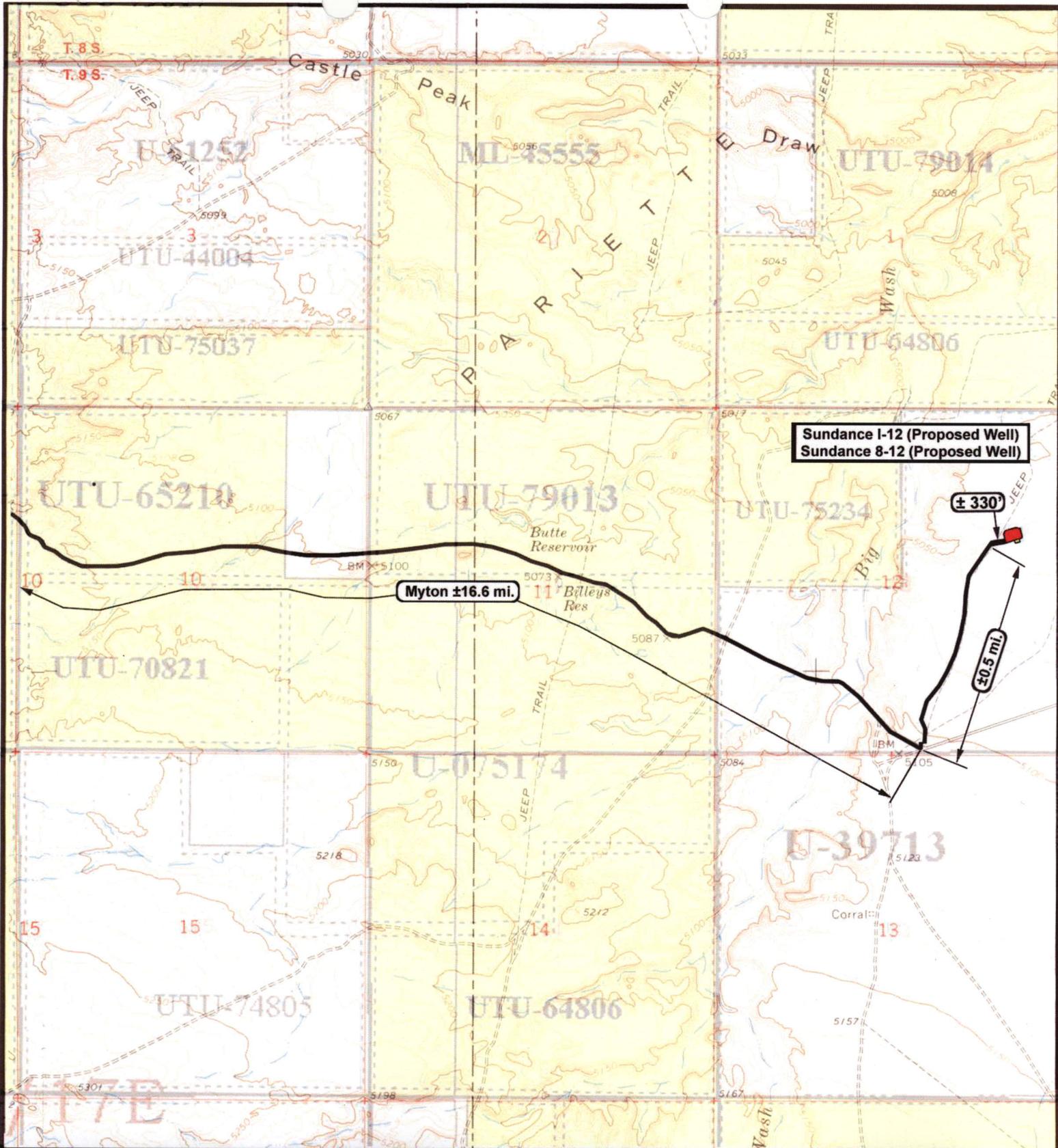
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000  
DRAWN BY: nc  
DATE: 03-06-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP  
**"A"**



**Sundance I-12 (Proposed Well)**  
**Sundance 8-12 (Proposed Well)**

**Myton ±16.6 mi.**

**±0.5 mi.**

**±330'**

**NEWFIELD**  
Exploration Company

**Sundance I-12-9-17 (Proposed Location)**  
**Sundance 8-12-9-17 (Existing Location)**  
 Pad Location SENE SEC. 12, T9S, R17E, S.L.B.&M.



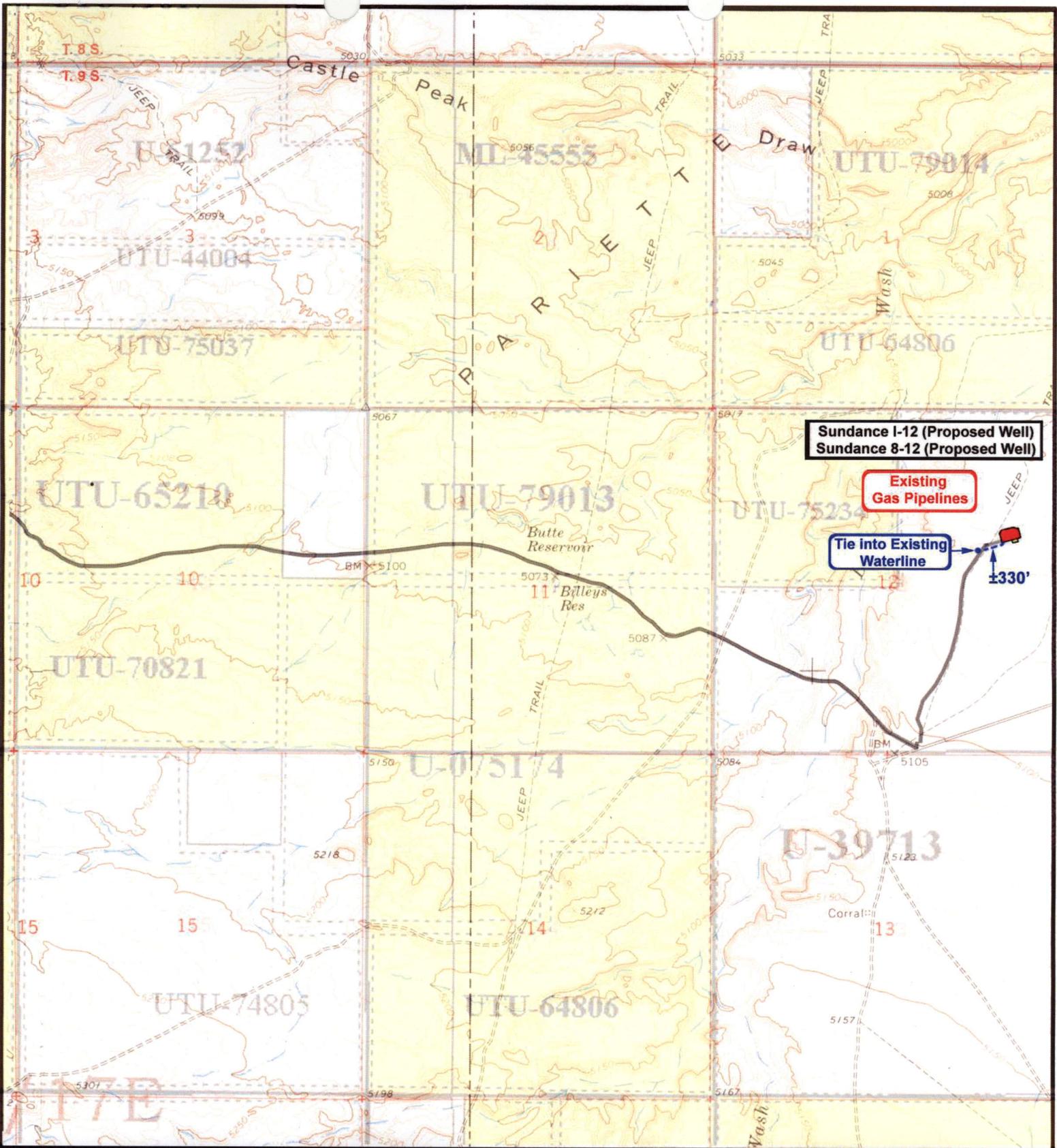
**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 03-05-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP  
**"B"**



**Sundance I-12 (Proposed Well)**  
**Sundance 8-12 (Proposed Well)**

**Existing Gas Pipelines**

**Tie into Existing Waterline**

**±330'**



**NEWFIELD**  
 Exploration Company



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

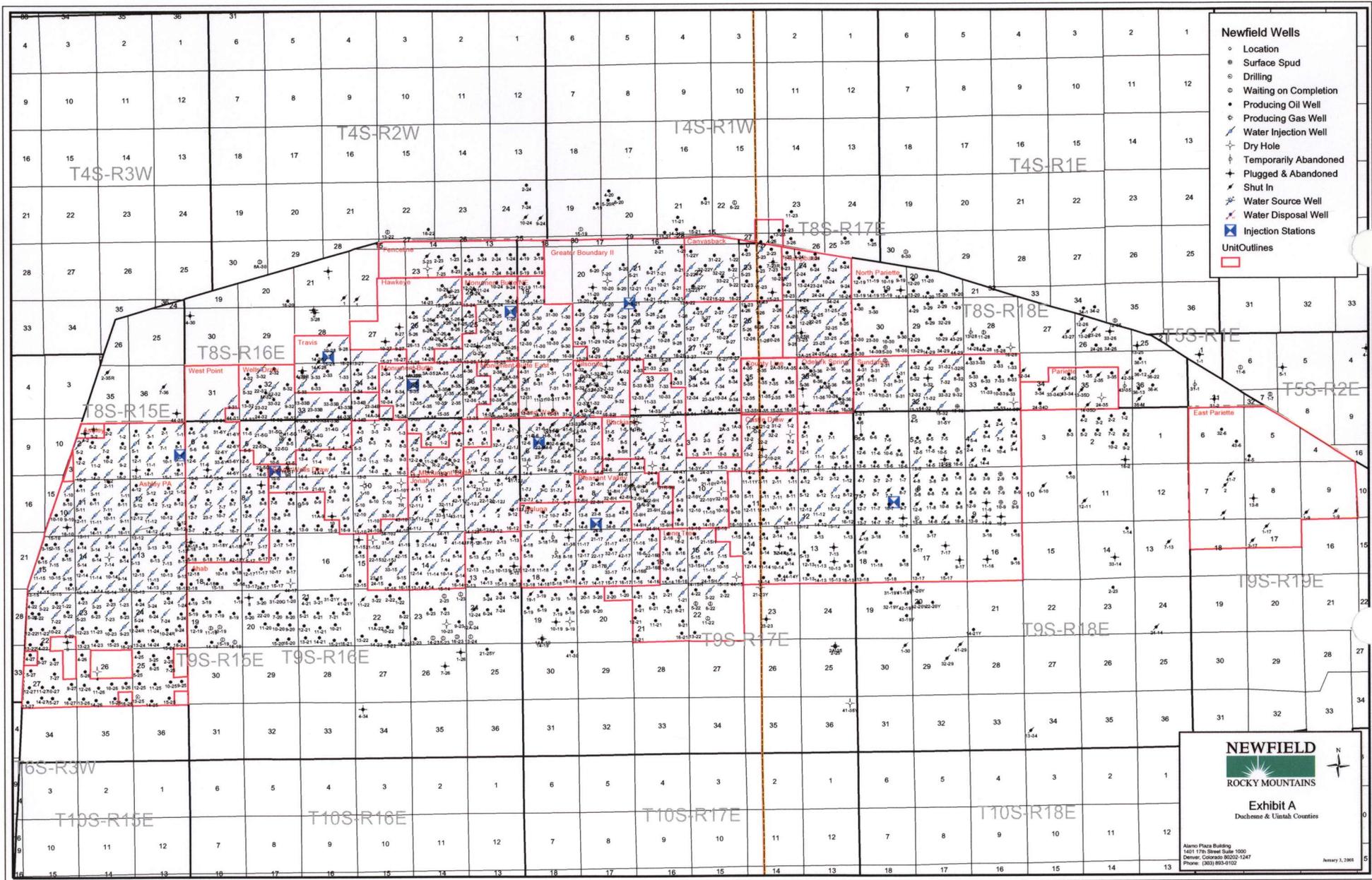
SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 03-06-2008

**Legend**

- Existing Road
- Proposed Water Line

**Sundance I-12-9-17 (Proposed Location)**  
**Sundance 8-12-9-17 (Existing Location)**  
 Pad Location SENE SEC. 12, T9S, R17E, S.L.B.&M.

TOPOGRAPHIC MAP  
**"C"**



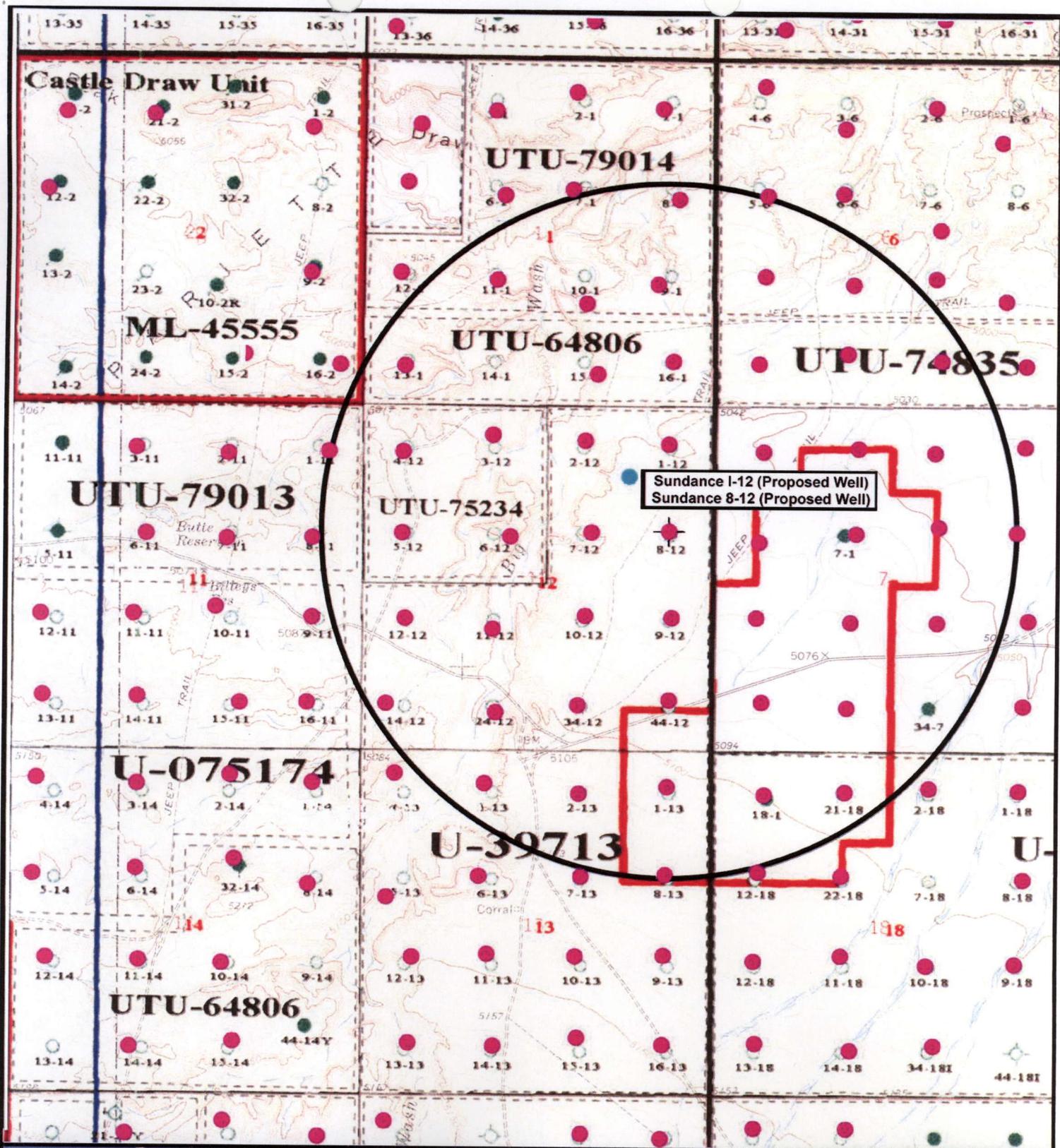
- Newfield Wells**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - ⚡ Water Injection Well
  - ⚡ Dry Hole
  - ⚡ Temporarily Abandoned
  - ⚡ Plugged & Abandoned
  - ⚡ Shut In
  - ⚡ Water Source Well
  - ⚡ Water Disposal Well
  - ⊠ Injection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

**NEWFIELD**  
 ROCKY MOUNTAINS

Exhibit A  
 Duchesne & Uintah Counties

Alamo Plaza Building  
 1401 17th Street Suite 1000  
 Denver, Colorado 80202-1247  
 Phone: (303) 855-9102

January 3, 2005



**NEWFIELD**  
Exploration Company

**Sundance I-12-9-17 (Proposed Location)**  
**Sundance 8-12-9-17 (Existing Location)**  
Pad Location SENE SEC. 12, T9S, R17E, S.L.B.&M.



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

SCALE: 1" = 2,000'  
DRAWN BY: nc  
DATE: 03-06-2008

**Legend**

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

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

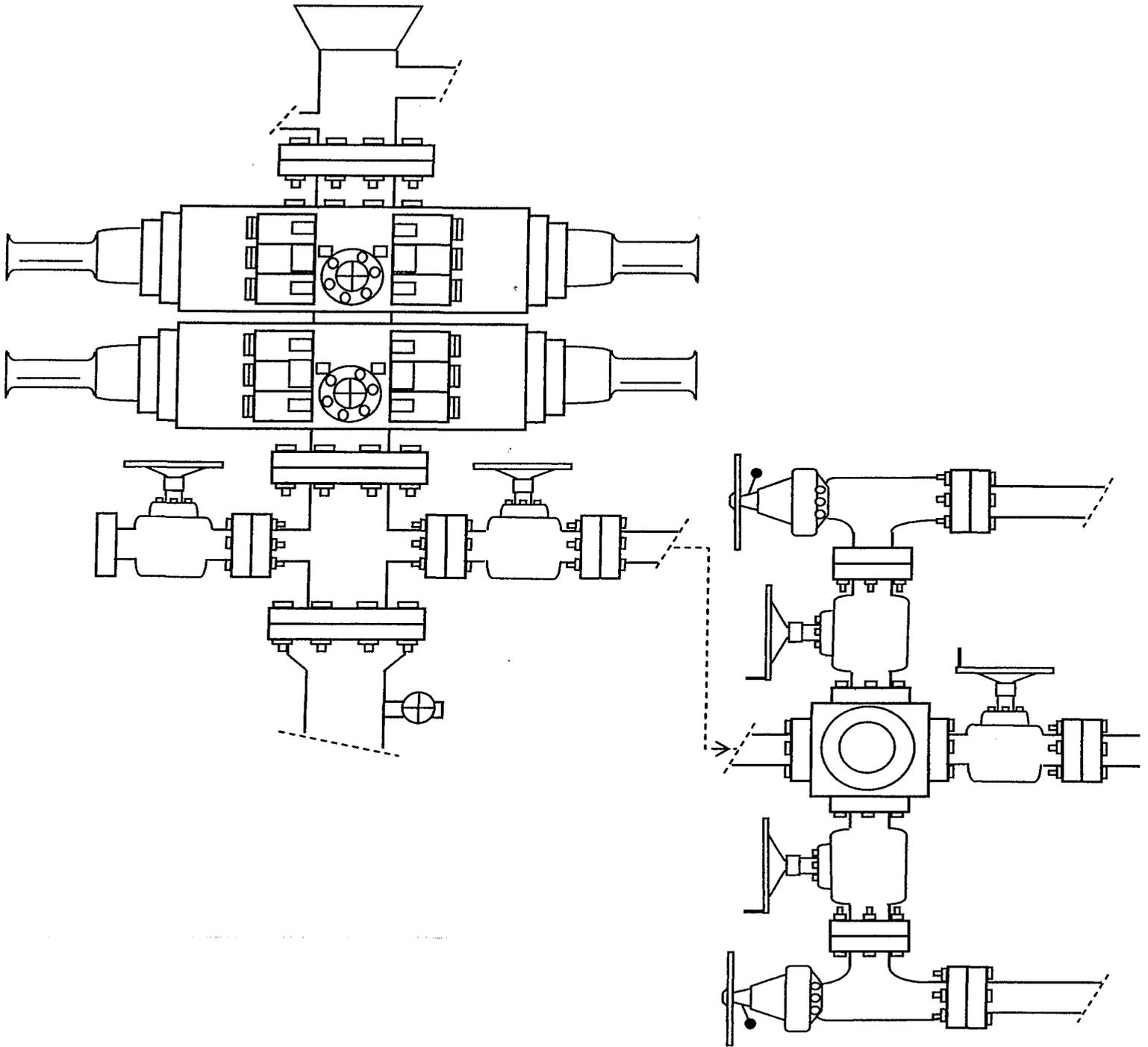


EXHIBIT C

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF  
INLAND RESOURCES' BLOCK PARCELS IN  
T 9S, R 17E, SECTIONS 1 AND 12  
Uintah County, Utah

BY:

Mark C. Bond

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Jon D. Holst & Company  
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. 03-58

May 19, 2003

United States Department of Interior (FLPMA)  
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-03-MQ-0328b

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND Uintah COUNTIES, UTAH**

(South 1/2 Section 6, T 9 S, R 18 E; South 1/2 Section 1, T 9 S, R 17 E;  
all of Sections 11 and 12, the NW, SE & NE quarters of the SW 1/4 Section 10,  
the NE 1/4 & SE 1/4 of the SE 1/4 Section 9, T 9 S, R 17 E and the SE 1/4, SW 1/4,  
NE 1/4 and SE 1/4 of the SE 1/4, Section 33, T 8 S, R 17 E.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
May 8, 2003

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/29/2008

API NO. ASSIGNED: 43-047-40030

WELL NAME: SUNDANCE FED I-12-9-17  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 12 090S 170E  
 SURFACE: 1962 FNL 0677 FEL  
 BOTTOM: 1220 FNL 1275 FEL  
 COUNTY: UINTAH  
 LATITUDE: 40.04731 LONGITUDE: -109.9473  
 UTM SURF EASTINGS: 589802 NORTHINGS: 4433329  
 FIELD NAME: 8 MILE FLAT NORTH ( 590 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-39713  
 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:

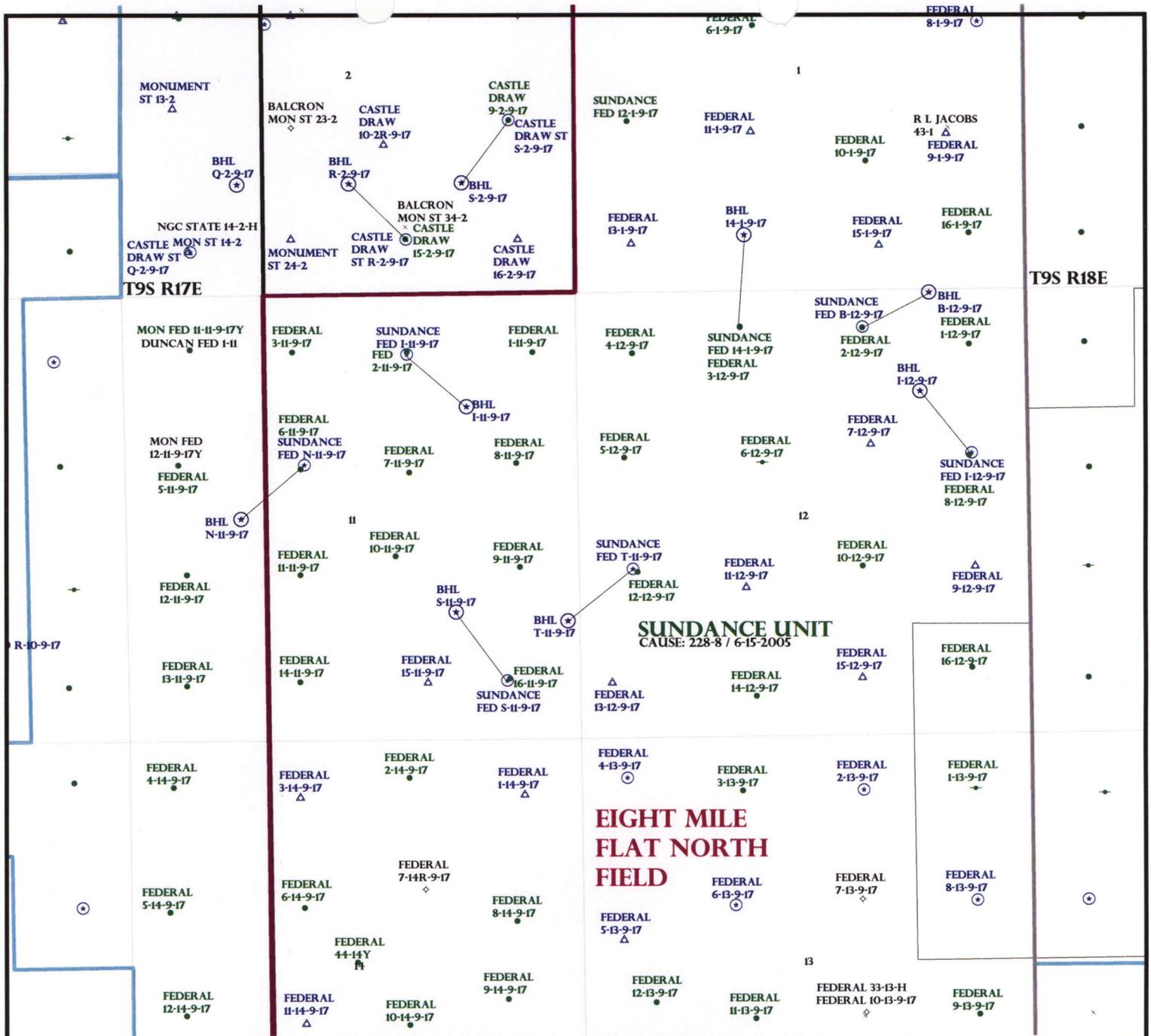
- R649-2-3.
- Unit: SUNDANCE (GRRV)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 228-08  
Eff Date: 6-15-2005  
Siting: Suspend Ground Siting
- R649-3-11. Directional Drill

COMMENTS:

Sup, Separate file

STIPULATIONS:

1-Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)  
 SEC: 11,12 T.9S R.17E  
 FIELD: EIGHT MILE FLAT NORTH (590)  
 COUNTY: UINTAH  
 CAUSE: 228-8 / 6-15-2005

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

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

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



PREPARED BY: DIANA MASON  
 DATE: 01-MAY-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)

May 2, 2008

Memorandum

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

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

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-40027	Sundance Fed S-11-9-17	Sec 11 T09S R17E 0689 FSL 0845 FEL BHL Sec 11 T09S R17E 1505 FSL 1440 FEL
43-047-40028	Sundance Fed N-11-9-17	Sec 11 T09S R17E 2017 FNL 2073 FWL BHL Sec 11 T09S R17E 2635 FSL 1330 FWL
43-047-40029	Sundance Fed I-11-9-17	Sec 11 T09S R17E 0712 FNL 1989 FEL BHL Sec 11 T09S R17E 1340 FNL 1295 FEL
43-047-40030	Sundance Fed I-12-9-17	Sec 12 T09S R17E 1962 FNL 0677 FEL BHL Sec 12 T09S R17E 1220 FNL 1275 FEL
43-047-40031	Sundance Fed B-12-9-17	Sec 12 T09S R17E 0451 FNL 1939 FEL BHL Sec 12 T09S R17E 0050 FNL 1160 FEL

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

/s/ Michael L. Coulthard



May 1, 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  
**Sundance Federal I-12-9-17**  
Sundance Unit  
UTU-82472X  
Surface Hole: T9S R17E, Section 12: SENE  
1962' FNL 677' FEL  
Bottom Hole: T9S R17E, Section 12  
1220' FNL 1275' FEL  
Uintah County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated April 22, 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 Sundance Federal Unit UTU-82472X. Newfield certifies that it is the Sundance Unit Operator and all lands within 460 feet of the entire directional well bore are within the Sundance Unit.

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

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

Sincerely,

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

Roxann Eveland  
Land Associate

**RECEIVED**  
**MAY 05 2008**  
**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

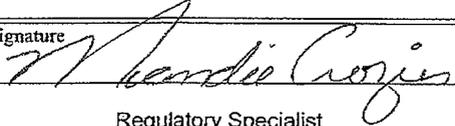
5. Lease Serial No. <b>UTU-39713</b>
6. If Indian, Allottee or Tribe Name <b>N/A</b>
7. If Unit or CA Agreement, Name and No. <b>Sundance Unit</b>
8. Lease Name and Well No. <b>Sundance Federal I-12-9-17</b>
9. API Well No.
10. Field and Pool, or Exploratory <b>Monument Butte</b>
11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec. 12, T9S R17E</b>
12. County or Parish <b>Uintah</b>
13. State <b>UT</b>

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 <b>Newfield Production Company</b>		
3a. Address <b>Route #3 Box 3630, Myton UT 84052</b>	3b. Phone No. (include area code) <b>(435) 646-3721</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SE/NE 1962' FNL 677' FEL</b> At proposed prod. zone <b>1220' FNL 1275' FEL</b>		
14. Distance in miles and direction from nearest town or post office* <b>Approximatley 17.2 miles southeast of Myton, Utah</b>		12. County or Parish <b>Uintah</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>Approx. 1220' f/lea, 9430' f/unit</b>	16. No. of Acres in lease <b>1,120.00</b>	17. Spacing Unit dedicated to this well <b>20 Acres</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>Approx. 1375'</b>	19. Proposed Depth <b>5960'</b>	20. BLM/BIA Bond No. on file <b>WYB000493</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5064' GL</b>	22. Approximate date work will start* <b>3rd 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>4/22/08</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  
MAY 05 2008  
DIV. OF OIL, GAS & MINING





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

May 5, 2008

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

Re: Sundance Federal I-12-9-17 Well, Surface Location 1962' FNL, 677' FEL, SE NE,  
Sec. 12, T. 9 South, R. 17 East, Bottom Location 1220' FNL, 1275' FEL, NE NE,  
Sec. 12, T. 9 South, R. 17 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40030.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company  
**Well Name & Number** Sundance Federal I-12-9-17  
**API Number:** 43-047-40030  
**Lease:** UTU-39713

**Surface Location:** SE NE      **Sec. 12**      **T. 9 South**      **R. 17 East**  
**Bottom Location:** NE NE      **Sec. 12**      **T. 9 South**      **R. 17 East**

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

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

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED

APR 29 2008

BLM

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

Form 3160-3 (September 2001)

RECEIVED

APR 29 2008 FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

BLM VERNAL, UTAH

1a. Type of Work: [X] DRILL [ ] REENTER
1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone
2. Name of Operator: Newfield Production Company
3a. Address: Route #3 Box 3630, Myton UT 84052
3b. Phone No. (include area code): (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements. \*)
At surface SE/NE 1962' FNL 677' FEL
At proposed prod. zone 1220' FNL 1275' FEL NENE
14. Distance in miles and direction from nearest town or post office\*: Approximatley 17.2 miles southeast of Myton, Utah
15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1220' f/lease, 9430' f/unit
16. No. of Acres in lease: 1,120.00
17. Spacing Unit dedicated to this well: 20 Acres
18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1375'
19. Proposed Depth: 5960'
20. BLM/BIA Bond No. on file: WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5064' GL
22. Approximate date work will start\*: 3rd Quarter 2008
23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:
1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: [Signature] Name (Printed/Typed): Mandie Crozier Date: 4/22/08
Title: Regulatory Specialist

Approved by (Signature): [Signature] Name (Printed/Typed): JERRY KENZEL Date: AUG 14 2008
Title: Assistant Field Manager Lands & Mineral Resources Office: VERNAL FIELD OFFICE

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

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)

NOS 3/21/08
AFMSS# 08PP0667A

UDOGM

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



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

**170 South 500 East**

**VERNAL, UT 84078**

**(435) 781-4400**



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

**Company:** Newfield Production Company      **Location:** SENE, Sec. 12, T9S, R17E(S)  
**Well No:** Sundance Federal I-12-9-17      **Lease No:** UTU-39713  
**API No:** 43-047-40030      **Agreement:** Sundance Unit

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
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:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

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

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

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

**NOTIFICATION REQUIREMENTS**

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

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

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

**SITE SPECIFIC COAs:**

**STIPULATIONS:**

1. None

**Lease Notices from RMP:**

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

**Comments:**

1. This project will be a Categorical Exclusion to the Castle Peak and Eight Mile Flat Oil and Gas Expansion project EIS (August 2005).
2. No raptor nests are within ½ mile of the project area.
3. Mountain plover timing restrictions were not applied to the Project area as the area has already been disturbed and the location will be directionally drilled from an existing location.
4. The DRMP has designated the lands within the Project Area as Black-footed ferret habitat; however no ferrets were released near the area as White-tailed prairie dog colonies are not in abundance to support a ferret population.

**Follow-up Actions and/or Recommendations:**

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

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- **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), 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.**

• **Interim Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

• **Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.

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

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

**SITE SPECIFIC DOWNHOLE COAs:**

- **Newfield Production Co. shall adhere to all referenced requirements in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.**

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39713
---	--

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> SUNDANCE (GRRV)
--	---

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED I-12-9-17
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047400300000
--	---

<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH
--	--	---

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1962 FNL 0677 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 12 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/4/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:

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

Newfield requests permission to extend the Permit to Drill this well for one year.

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

**Date:** May 11, 2009

**By:**

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/4/2009



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047400300000**

**API:** 43047400300000

**Well Name:** SUNDANCE FED I-12-9-17

**Location:** 1962 FNL 0677 FEL QTR SENE SEC 12 TWNP 090S RNG 170E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 5/5/2008

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 rightof- 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

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

**Signature:** Mandie Crozier

**Date:** 5/5/2009

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** May 11, 2009

**By:** 

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39713
---	--

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> SUNDANCE (GRRV)
--	---

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED I-12-9-17
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047400300000
--	---

<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH
--	--	---

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1962 FNL 0677 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 12 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> Uintah  <b>STATE:</b> Utah
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/4/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:

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

Newfield requests permission to extend the Permit to Drill this well for one year.

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

Date: May 11, 2009

By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/4/2009



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047400300000**

**API:** 43047400300000

**Well Name:** SUNDANCE FED I-12-9-17

**Location:** 1962 FNL 0677 FEL QTR SENE SEC 12 TWNP 090S RNG 170E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 5/5/2008

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 rightof- 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

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

**Signature:** Mandie Crozier

**Date:** 5/5/2009

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** May 11, 2009

**By:**

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration

Rig Name/# Ross #29

Submitted By Mitch Benson

Phone Number (435) 823-5885

Name/Numer Sundance Federal I-12-9-17

Qtr/Qrt SE/NE Section 12 Township 9S Range 17E

Lease Serial Number UTU-39713

API Number 43-047-40030

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

Date/Time 4/16/2010 9:00:00 AM

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

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

Date/Time 4/16/2010 5:00:00 PM

Remarks:

RECEIVED

APR 15 2010

DIV. OF OIL, GAS & MINING

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

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

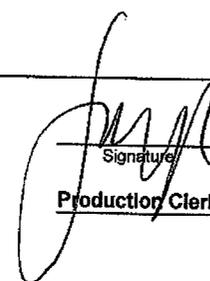
OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO. ✓	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400	4304740030	SUNDANCE FEDERAL I-12-9-17	SENE	12	9S	17E	UINTAH	4/16/2010	4/28/10
WELL 1 COMMENTS: GRRV BHL = NUNW											
B	99999	17400 ✓	4301350113	MON BUTTE STATE Q-36-8-16	SWSW	36	8S	16E	DUCHESNE	4/21/2010	4/28/10
WELL 2 COMMENTS: GRRV BHL = NESW											
A	99999	17589	4301350156	UTE TRIBAL 15-13-4-3	SWSE	13	4S	3W	DUCHESNE	4/14/2010	4/28/10
WELL 3 COMMENTS: GRRV CONFIDENTIAL											
A	99999	17590	4304740497	UTE TRIBAL 6-29-4-1E	SNNW -SENEW	29	4S	1E	UINTAH	4/20/2010	4/28/10
WELL 4 COMMENTS: GRRV BHL = SENW											
A	99999	17591	4304740500	UTE TRIBAL 5-29-4-1E	SNNW	29	4	1E	UINTAH	4/20/2010	4/28/10
WELL 5 COMMENTS: GRRV											
B	99999	17400 ✓	4301334174	FEDERAL 6-29-8-16	SENEW	29	8S	16E	DUCHESNE	4/20/2010	4/28/10
WELL 6 COMMENTS: GRRV											

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

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

RECEIVED  
 APR 22 2010

Signature:   
 Jentri Park  
 Production Clerk  
 Date: 04/22/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1962' FNL 677 FEL  
SENE Section 12 T9S R17E

5. Lease Serial No.

USA UTU-39713

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
SUNDANCE FEDERAL I-12-9-17

9. API Well No.  
4304740030

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 recompleat 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 recompleat 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 4/16/10 MIRU Ross Rig # 29. Spud well @ 9:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 317.93 KB On 4/20/10 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 6 bbls cement to pit. WOC.

RECEIVED

APR 27 2010

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature <i>Alvin Nielsen</i>	Date 04/21/2010

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

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

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





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

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-39713

**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:

SUNDANCE FEDERAL I-12-9-17

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4304740030

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:

GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1962' FNL 677' FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 12, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  05/14/2010	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 05-14-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 05/24/2010

(This space for State use only)

**RECEIVED**  
**JUN 03 2010**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**SUNDANCE I-12-9-17**

**3/1/2010 To 7/30/2010**

**5/5/2010 Day: 1**

**Completion**

on 5/5/2010 - MIRU Perforators LLC. Run CBL & perforated 1st stage. Misfire @ 5840-5842', 3spf (6 shots). No plan to squeeze. 139 BWTR. - 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 CBL under pressure. WLTD was 5926' w/ TOC @ 209'. RIH w/ 3 1/8" ported guns & perforate CP5 sds @ 5830- 32', 5814- 16' & CP3 sds @ 5727- 29', 5704- 06' w/ (11 gram, .36"EH, 16.82¢ pen. 120°) 3 spf for total of 24 shots. Guns misfired @ 5840-42', 3spf (6 shots). No plan to squeeze. RD WLT & Hot Oiler. SIFN w/ 139 BWTR.

**Daily Cost: \$0**

**Cumulative Cost: \$9,331**

**5/11/2010 Day: 2**

**Completion**

Rigless on 5/11/2010 - Frac well. Flow well back. - Stage #2; RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug & guns. Set plug @ 5620'. Perferate CP2 sds @ 5615-18', CP1 sds @ 5575-78', 5559-61' w/ 3-1/8" Slick Guns (16 gram, .34"EH, 120°, 21"pen) w/ 3 spf for total of 24 shots. RU BJ & open well w/ 1105 psi on casing. Perfs broke down @ 4105 psi back to 1343 psi w/ 3 bbls @ 3 bpm. Pressure to low to shut down. Pump 30 gals of Techni Hib @ 4% by volume. Frac w/ 40,000#'s of 20/40 sand in 465 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2415 w/ ave rate of 43 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1426 w/ .69FG. 5 min was 1210. 10 min was 1130. 15 min was 1079. Leave pressure on well. 1030 bbls EWTR. - Stage #4; RU WLT. RIH w/ frac plug & guns. Set plug @ 5060'. Perferate B1 sds @ 4966-69' w/ 3 spf for total of 9 shots. RU BJ & open well w/ 1157 psi on casing. Perfs broke down @ 2571 psi back to 2165 psi w/ 3 bbls @ 7 bpm. Pressure to low to shut down. Pump 30 gals of Techni Hib @ 4% by volume. Frac w/ 9033#'s of 20/40 sand in 235 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3466 w/ ave rate of 27 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1810 w/ .80FG. 5 min was 1730. 10 min was 1695. 15 min was 1678. Leave pressure on well. 1967 bbls EWTR - Stage #6; RU WLT. RIH w/ frac plug & guns. Set plug @ 4320'. Perferate GB6 sds @ 4223-29' & GB4 sds @ 4154-56' w/ 3 spf for total of 24 shots. RU BJ & open well w/ 1582 psi on casing. Perfs broke down @ 2219 psi back to 2219 psi w/ 3 bbls @ 10 bpm. Pressure to low to shut down. Pump 30 gals of Techni Hib @ 4% by volume. Frac w/ 36,418#'s of 20/40 sand in 366 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3345 w/ ave rate of 40 bpm w/ 8 ppg of sand. ISIP was 2075 w/ .93FG. 5 min was 1757. 10 min was 1636. 15 min was 1547. 2772 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 350 bbls rec'd. SIFN w/ 2056 bbls EWTR. - Stage #1; RU BJ Services "Ram Head" frac flange. RU BJ & open well w/ 22 psi on casing. Perfs broke down @ 3663 psi back to 2500 psi w/ 5 bbls @ 3 bpm. ISIP was 1211 w/ .64FG. 1 min was 869. 4 min was 705. Pump 6 bbls of 15% HCL acid (had 600 psi drop when hit perfs). Pump 30 gals of Techni Hib @ 4% by volume. Frac w/ 35,000#'s of 20/40 sand in 426 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2103 w/ ave rate of 43 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1515 w/ .70FG. 5 min was 1300. 10 min was 1263. 15 min was 1261. Leave pressure on well. 565 bbls EWTR. - Stage #3; RU WLT. RIH w/ frac plug & guns. Set plug @ 5297'. Perferate A3 sds @ 5194-97', 5172-75', 5162-64', A.5 sds @ 5116-18' w/ 3 spf for total of 30 shots. RU BJ & open well w/ 990 psi on casing. Perfs broke down @ 1265 psi back to 1100 psi w/ 3 bbls @ 3 bpm. Pressure to low to shut down. Pump 30 gals of Techni Hib @ 4% by volume. Frac w/ 90,000#'s of 20/40 sand in 702 bbls of Lightning 17 frac fluid. Treated @ ave pressure of

1895 w/ ave rate of 45 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1532 w/ .73FG. 5 min was 1457. 10 min was 1403. 15 min was 1354. Leave pressure on well. 1732 bbls EWTR - Stage #5; RU WLT. RIH w/ frac plug & guns. Set plug @ 4840'. Perferate D2 sds @ 4735-43', 4724-27' w/ 3 spf for total of 33 shots. RU BJ & open well w/ 1585 psi on casing. Perfs broke down @ 4070 psi back to 1800 psi w/ 3 bbls @ 3 bpm. Pressure to low to shut down. Pump 30 gals of Techni Hib @ 4% by volume. Frac w/ 45,000#'s of 20/40 sand in 439 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2265 w/ ave rate of 43 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2062 w/ .87FG. 5 min was 1833. 10 min was 1756. 15 min was 1706. Leave pressure on well. 2406 bbls EWTR

**Daily Cost:** \$0

**Cumulative Cost:** \$123,090

**5/12/2010 Day: 3**

**Completion**

Stone #8 on 5/12/2010 - MIRUSU. PU tbg. - MIRUSU. Open well w/ 0 psi on casing. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schafer BOP's. RU 4-3/4" Chomp Mill & x-over sub. Tally, pickup & TIH w/ new J-55, 2-7/8", 6.5#, 8EUE tbg. Tag fill @ 4266'. RU swivel, pump & tanks. Took 20 bbls to get circulation. C/O to plug @ 4320'. Drlg out plug #1. TIH w/ tbg to tag @ 4820'. C/O to plug @ 4840'. TIH w/ tbg. Leave EOT @ 4850'. 1786 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$158,624

**5/13/2010 Day: 4**

**Completion**

Stone #8 on 5/13/2010 - drlg plugs. Swab well for C/O. - Open well w/ 0 psi on casing. TIH w/ tbg to tag plug @ 5060'. RU swivel, pump & tanks. Drlg out plug #3. TIH w/ tbg to tag plug @ 5267'. Drlg out plug #4. TIH w/ tbg to tag plug @ 5620'. Drlg out plug #5. TIH w/ tbg to tag fill @ 5972'. C/O to PBDT @ 5972'. LD 2 jts tbg. RU swab equipment. Made 14 runs & rec'd 148 bbls of fluid w/ IFL was surface. FFL was 2000'. Last run showed trace of oil w/ no sand. SIFN w/ 1340 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$166,042

**5/14/2010 Day: 5**

**Completion**

Stone #8 on 5/14/2010 - TOOH w/ tbg. TIH w/ production. Put well on pump. - Open well w/ 0 psi on casing. TOOH w/ tbg. LD Chomp mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Centr Hydrl w/ 45,000# shear, 186 jts tbg. RD BOP's. Set TA @ 5720' w/ 18,000#'s tension w/ SN @ 5804', & EOT @ 5868'. Flush tbg w/ 60 bbls water. Pick-up & prime pump. TIH w/ 2-1/2" x 1-3/4" x 17' x 24' new Cntrl Hydrlc RHAC pump w/ 224"SL, 4- 1-1/2" weight rods, 227- 7/8" guided 8 per rods, 2', 4', 6' X 7/8" pony rods, 1-1/2" x 30' polish rod. Space pump. Test casing & pump to 800 psi. RDMOSU. POP @ 6PM w/ 123"SL @ 5.5 spm w/ 1400 bbls EWTR. Final Report. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$219,477

**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

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

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

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

At surface 1962' FNL & 677' FEL (SE/NE) SEC. 12, T9S, R17E (UTU-39713)

At top prod. interval reported below 1416' FNL & 1122' FEL (SE/NE) SEC. 12, T9S, R17E (UTU-39713)

At total depth 1104' FNL & 1368' FEL (NW/NE) SEC. 12, T9S, R17E (UTU-39713)

14. Date Spudded  
04/16/2010

15. Date T.D. Reached  
04/27/2010

16. Date Completed 05/14/2010  
 D & A  Ready to Prod.

18. Total Depth: MD 6032'  
TVD 5912'

19. Plug Back T.D.: MD 5972'  
TVD 5853

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	318'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6020'		250 PRIMLITE		209'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5869'	TA @ 5770'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status
A) Green River			5704-5832' CP3 CP5	.36"	3	24
B) Green River			5559-5618' CP1 CP2	.34"	3	33
C) Green River			5116-5197' A.5 A3	.34"	3	30
D) Green River			4966-4969' B1	.34"	3	9

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

Depth Interval	Amount and Type of Material
5704-5832'	Frac w/ 35000#'s 20/40 sand in 168 bbls of Lightning 17 fluid.
5559-5618'	Frac w/ 40000#'s 20/40 sand in 186 bbls of Lightning 17 fluid.
5116-5197'	Frac w/ 90000#'s 20/40 sand in 387 bbls of Lightning 17 fluid.
4966-4969'	Frac w/ 9033#'s 20/40 sand in 56 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5-17-10	5-30-10	24	→	45	0	28			2-1/2" x 1-3/4" x 17' 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	
			→						

RECEIVED

JUN 21 2010

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3689' 3870'
				GARDEN GULCH 2 POINT 3	3985' 4243'
				X MRKR Y MRKR	4487' 4525'
				DOUGALS CREEK MRK BI CARBONATE MRK	4656' 4896'
				B LIMESTON MRK CASTLE PEAK	5024' 5492'
				BASAL CARBONATE	5918'

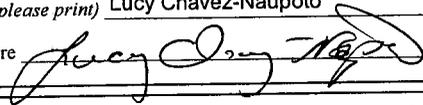
32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (D2) 4724-4743', .34" 3/33 Frac w/ 45000#s of 20/40 sand in 211 bbls of Lightning 17 fluid  
 Stage 6: Green River Formation (GB4 GB6) 4145-4229', .34" 3/24 Frac w/ 36418#s of 20/40 sand in 168 bbls of Lightning 17 fluid

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

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

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 06/14/2010

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.

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 12 TS9 R17E  
I-12-9-17**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**07 June, 2010**

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



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 12 TS9 R17E  
 Well: I-12-9-17  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well I-12-9-17  
 TVD Reference: WELL @ 5076.0ft (NEWFIELD RIG)  
 MD Reference: WELL @ 5076.0ft (NEWFIELD RIG)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

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

Site	SECTION 12 TS9 R17E		
Site Position:		Northing:	7,188,976.16ft
From:	Map	Easting:	2,072,942.34ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 2' 43.238 N
		Longitude:	109° 57' 17.709 W
		Grid Convergence:	0.99 °

Well	I-12-9-17, SHL: LAT 40 02 50.24 LONG -109 56 52.64		
Well Position	+N/-S	0.0 ft	Northing: 7,189,718.29ft
	+E/-W	0.0 ft	Easting: 2,074,879.22 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,076.0ft
		Latitude:	40° 2' 50.240 N
		Longitude:	109° 56' 52.640 W
		Ground Level:	5,064.0ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/04/22	11.41	65.85	52,405

Design	Actual			
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	322.10

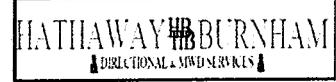
Survey Program	Date 2010/06/07			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
352.0	6,032.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

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
352.0	0.62	71.64	352.0	0.6	1.8	-0.6	0.18	0.18	0.00
383.0	0.63	69.61	383.0	0.7	2.1	-0.7	0.08	0.03	-6.55
413.0	0.64	69.88	413.0	0.8	2.4	-0.8	0.03	0.03	0.90
444.0	0.70	69.80	444.0	1.0	2.8	-1.0	0.19	0.19	-0.26
474.0	0.60	65.20	474.0	1.1	3.1	-1.0	0.38	-0.33	-15.33
505.0	0.40	27.80	505.0	1.2	3.3	-1.0	1.20	-0.65	-120.65
536.0	0.40	7.20	536.0	1.4	3.4	-0.9	0.46	0.00	-66.45
567.0	0.90	353.70	567.0	1.8	3.3	-0.6	1.68	1.61	-43.55
597.0	1.20	353.50	597.0	2.3	3.3	-0.2	1.00	1.00	-0.67
628.0	1.70	345.30	628.0	3.1	3.1	0.5	1.74	1.61	-26.45
659.0	2.20	337.40	658.9	4.1	2.8	1.5	1.83	1.61	-25.48
689.0	2.60	329.90	688.9	5.2	2.2	2.8	1.69	1.33	-25.00



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 12 TS9 R17E  
 Well: I-12-9-17  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well I-12-9-17  
 TVD Reference: WELL @ 5076.0ft (NEWFIELD RIG)  
 MD Reference: WELL @ 5076.0ft (NEWFIELD RIG)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

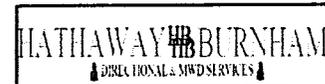
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
720.0	2.90	325.20	719.9	6.5	1.4	4.2	1.21	0.97	-15.16
751.0	3.30	321.90	750.8	7.8	0.4	5.9	1.41	1.29	-10.65
782.0	3.60	319.00	781.8	9.3	-0.8	7.8	1.12	0.97	-9.35
812.0	3.90	318.70	811.7	10.7	-2.1	9.7	1.00	1.00	-1.00
858.0	4.30	319.80	857.6	13.2	-4.2	13.0	0.89	0.87	2.39
903.0	4.80	320.60	902.5	16.0	-6.5	16.6	1.12	1.11	1.78
948.0	5.10	322.60	947.3	19.0	-8.9	20.5	0.77	0.67	4.44
993.0	5.80	325.00	992.1	22.5	-11.4	24.7	1.64	1.56	5.33
1,039.0	6.30	325.20	1,037.8	26.4	-14.2	29.6	1.09	1.09	0.43
1,084.0	6.90	326.10	1,082.5	30.7	-17.1	34.7	1.35	1.33	2.00
1,129.0	7.50	325.00	1,127.2	35.4	-20.3	40.4	1.37	1.33	-2.44
1,175.0	8.20	323.30	1,172.7	40.5	-24.0	46.7	1.60	1.52	-3.70
1,220.0	8.90	322.90	1,217.2	45.8	-28.0	53.3	1.56	1.56	-0.89
1,265.0	9.40	321.10	1,261.7	51.4	-32.4	60.5	1.28	1.11	-4.00
1,310.0	10.00	319.70	1,306.0	57.3	-37.2	68.1	1.43	1.33	-3.11
1,356.0	10.50	318.70	1,351.3	63.5	-42.6	76.3	1.15	1.09	-2.17
1,401.0	11.20	316.90	1,395.5	69.7	-48.3	84.7	1.73	1.56	-4.00
1,446.0	11.80	315.60	1,439.6	76.2	-54.5	93.6	1.45	1.33	-2.89
1,492.0	12.10	314.60	1,484.6	83.0	-61.2	103.1	0.79	0.65	-2.17
1,537.0	12.60	313.90	1,528.6	89.7	-68.1	112.6	1.16	1.11	-1.56
1,582.0	13.10	314.20	1,572.4	96.6	-75.3	122.5	1.12	1.11	0.67
1,673.0	12.90	314.10	1,661.1	110.9	-90.0	142.8	0.22	-0.22	-0.11
1,763.0	13.10	316.10	1,748.8	125.2	-104.3	162.9	0.55	0.22	2.22
1,854.0	12.50	317.80	1,837.5	140.0	-118.0	183.0	0.78	-0.66	1.87
1,945.0	12.20	321.20	1,926.4	154.8	-130.7	202.4	0.86	-0.33	3.74
2,035.0	12.30	321.60	2,014.4	169.7	-142.6	221.5	0.15	0.11	0.44
2,126.0	12.46	320.59	2,103.3	184.9	-154.8	241.0	0.30	0.18	-1.11
2,216.0	12.50	318.19	2,191.1	199.6	-167.5	260.4	0.58	0.04	-2.67
2,307.0	12.50	316.43	2,280.0	214.1	-180.9	280.0	0.42	0.00	-1.93
2,398.0	13.71	321.53	2,368.6	229.7	-194.4	300.6	1.84	1.33	5.60
2,488.0	14.44	322.50	2,455.9	246.9	-207.8	322.5	0.85	0.81	1.08
2,579.0	14.28	322.19	2,544.1	264.8	-221.6	345.1	0.20	-0.18	-0.34
2,669.0	12.90	319.47	2,631.5	281.2	-234.9	366.2	1.69	-1.53	-3.02
2,760.0	12.59	319.25	2,720.3	296.4	-248.0	386.3	0.34	-0.34	-0.24
2,851.0	12.35	319.03	2,809.1	311.3	-260.9	405.9	0.27	-0.26	-0.24
2,942.0	13.32	324.74	2,897.9	327.2	-273.3	426.1	1.75	1.07	6.27
3,032.0	14.59	325.60	2,985.2	345.0	-285.7	447.8	1.43	1.41	0.96
3,123.0	14.22	323.09	3,073.4	363.4	-298.9	470.4	0.80	-0.41	-2.76
3,214.0	15.50	325.10	3,161.3	382.3	-312.6	493.7	1.52	1.41	2.21
3,304.0	14.77	321.84	3,248.2	401.2	-326.5	517.2	1.25	-0.81	-3.62
3,395.0	14.39	319.86	3,336.3	419.0	-341.0	540.1	0.69	-0.42	-2.18
3,485.0	14.06	319.71	3,423.5	435.9	-355.3	562.2	0.37	-0.37	-0.17
3,576.0	13.65	319.80	3,511.9	452.5	-369.3	583.9	0.45	-0.45	0.10
3,667.0	12.22	321.42	3,600.5	468.2	-382.3	604.3	1.62	-1.57	1.78
3,757.0	12.10	320.30	3,688.5	482.9	-394.2	623.3	0.29	-0.13	-1.24
3,848.0	12.50	322.30	3,777.4	498.1	-406.4	642.6	0.64	0.44	2.20
3,938.0	13.30	322.30	3,865.2	514.0	-418.6	662.7	0.89	0.89	0.00
4,029.0	13.50	321.70	3,953.7	530.6	-431.6	683.8	0.27	0.22	-0.66
4,120.0	12.50	319.60	4,042.4	546.4	-444.6	704.3	1.22	-1.10	-2.31
4,210.0	12.50	318.50	4,130.2	561.1	-457.4	723.7	0.26	0.00	-1.22
4,301.0	11.50	318.20	4,219.2	575.3	-469.9	742.6	1.10	-1.10	-0.33
4,392.0	11.30	317.70	4,308.4	588.6	-482.0	760.5	0.25	-0.22	-0.55
4,482.0	11.70	321.50	4,396.6	602.3	-493.6	778.5	0.95	0.44	4.22
4,573.0	11.50	325.50	4,485.8	617.0	-504.5	796.7	0.91	-0.22	4.40



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 12 TS9 R17E  
**Well:** I-12-9-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well I-12-9-17  
**TVD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**MD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,663.0	11.60	320.50	4,574.0	631.4	-515.3	814.7	1.12	0.11	-5.56
4,754.0	11.70	319.10	4,663.1	645.4	-527.2	833.1	0.33	0.11	-1.54
4,845.0	11.60	318.70	4,752.2	659.2	-539.3	851.5	0.14	-0.11	-0.44
4,935.0	10.94	321.69	4,840.5	672.7	-550.5	869.0	0.98	-0.73	3.32
5,026.0	11.36	325.86	4,929.8	686.9	-560.9	886.6	1.00	0.46	4.58
5,117.0	11.78	319.20	5,018.9	701.4	-572.0	904.8	1.54	0.46	-7.32
5,207.0	13.00	322.90	5,106.8	716.4	-584.1	924.1	1.62	1.36	4.11
5,298.0	13.27	322.17	5,195.4	732.8	-596.7	944.8	0.35	0.30	-0.80
5,304.3	13.23	322.19	5,201.6	734.0	-597.6	946.3	0.68	-0.68	0.33
<b>I-12-9-17 TGT</b>									
5,388.0	12.66	322.48	5,283.1	748.8	-609.0	965.0	0.68	-0.68	0.35
5,479.0	11.50	318.02	5,372.1	763.5	-621.2	984.0	1.64	-1.27	-4.90
5,569.0	12.40	323.60	5,460.2	777.9	-632.9	1,002.6	1.63	1.00	6.20
5,660.0	12.90	324.67	5,549.0	794.1	-644.6	1,022.5	0.61	0.55	1.18
5,750.0	13.00	323.80	5,636.7	810.4	-656.4	1,042.7	0.24	0.11	-0.97
5,841.0	12.80	325.40	5,725.4	827.0	-668.1	1,063.0	0.45	-0.22	1.76
5,932.0	12.00	323.20	5,814.3	842.9	-679.5	1,082.5	1.02	-0.88	-2.42
5,982.0	10.63	321.18	5,863.3	850.6	-685.5	1,092.3	2.85	-2.74	-4.04
6,032.0	10.63	321.18	5,912.4	857.8	-691.3	1,101.5	0.00	0.00	0.00

### Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
I-12-9-17 TGT	0.00	0.99	5,200.0	752.1	-585.4	7,190,460.14	2,074,280.84	40° 2' 57.673 N	109° 57' 0.169 W
- actual wellpath misses by 21.9ft at 5304.3ft MD (5201.6 TVD, 734.0 N, -597.6 E)									
- Circle (radius 75.0)									

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



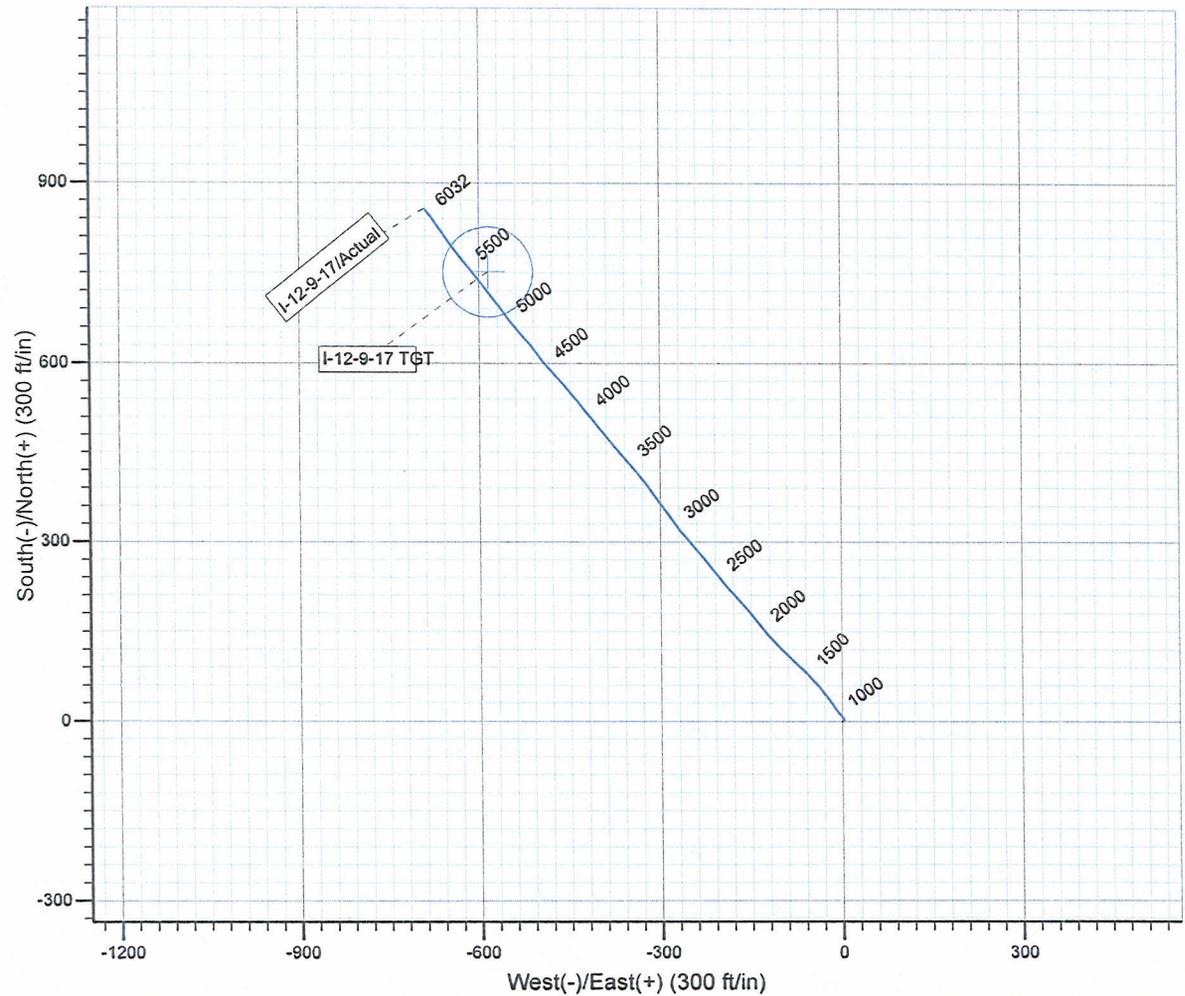
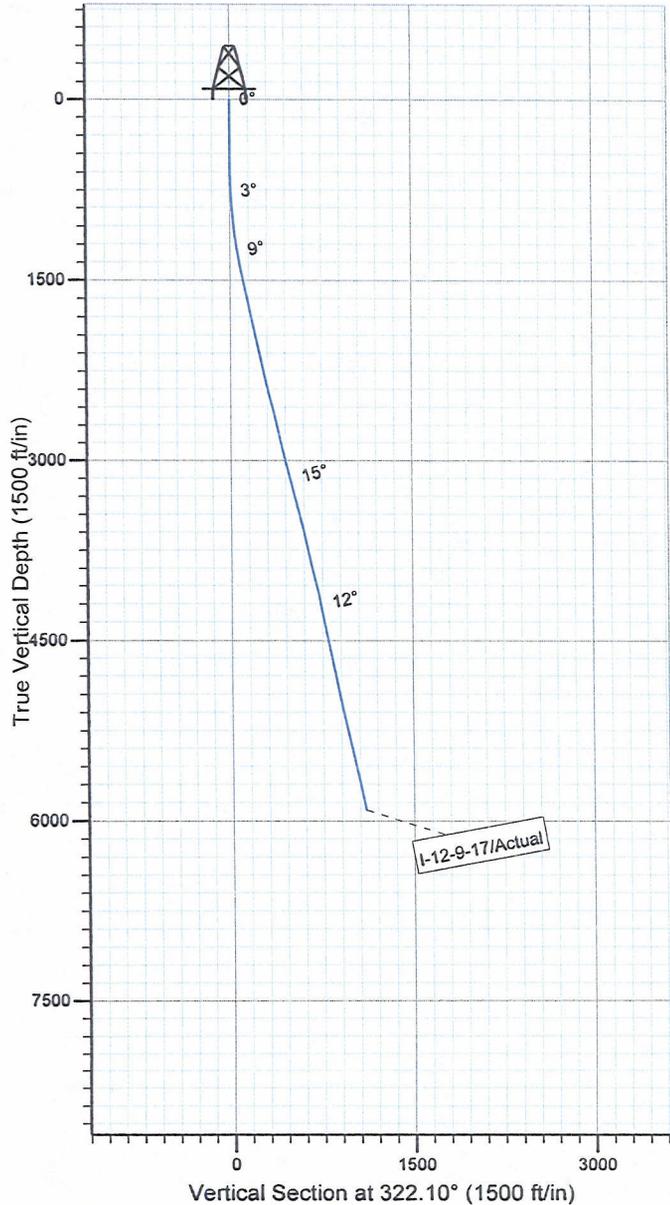
Project: USGS Myton SW (UT)  
 Site: SECTION 12 TS9 R17E  
 Well: I-12-9-17  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.41°

Magnetic Field  
 Strength: 52405.0snT  
 Dip Angle: 65.85°  
 Date: 2010/04/22  
 Model: IGRF2010



Design: Actual (I-12-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 21:52, June 07 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**Daily Activity Report**

Format For Sundry

**SUNDANCE I-12-9-17****2/1/2010 To 6/30/2010****SUNDANCE I-12-9-17****Waiting on Cement****Date:** 4/20/2010

Ross #29 at 320. Days Since Spud - On 4/16/10 ran 85/8" Surface casing ( Guide shoe shoe jt Baffle plate 6jts set @ 317.93' KB - BLM & State was notified of the spud - Ross rig # 29 spud the Sundance Federal I-12-9-17 on 4/16/10 @ 9:00 AM TD 320' - Returned 6 bbls back to the pit - On 4/20/10 cemented 85/8" Surface casing W/ BJ with 15.8 ppg & 1.17 yeild G+2%CaCl+.25#/skCello flak

**Daily Cost:** \$0**Cumulative Cost:** \$46,562**SUNDANCE I-12-9-17****TIH****Date:** 4/24/2010

Capstar #328 at 320. 0 Days Since Spud - s & outside valves to 2000#s for 10 min they would not test so we worked the valves & tried it aga - in & they did not test a hydrolic lines was leaking so we changed the line out & tried it again & we - worked on kill line valve & it Tested - Hooked up rotating head & flow line - PU BHA Smith Mi 616 PDC & dog sub, Hunting 7/8 mil 4.8 stg .33 mtr, NMDC, Gap sub, Ant sub, NMDC - ed them & tried again they would not test so they changed ram rubbers & they tested & test blind ram - tested to 1500#s for 10 min, test pipe rams & inside valves to 2000#s they would not test so we work - Accept rig @ 19:00 on 4/23/10 & RU B&C Quick test & Hold saftey mtg & test casing to 1500#s f/ 10 mi - Nipple up bops & Change rubber in the hydril - Move rig w/ Howcroft trucking 1/2 mile on the Sundance Federal I-12-9-17 & Rig up - Test hydril it would not test so we worked it & it still would not test, so we worked it again & it

**Daily Cost:** \$0**Cumulative Cost:** \$91,896**SUNDANCE I-12-9-17****Drill 7 7/8" hole with fresh water****Date:** 4/25/2010

Capstar #328 at 3853. 1 Days Since Spud - Drill 7 7/8" hole f/ 1225' to 3853' WOB= 15/18 RPMS= 184 GPM= 409 ROP= 154' pr hr - TIH & Tag @ 248' - Drill 7 7/8" hole f/ 248' to 1225' WOB= 15/18 RPMS= 184 GPM= 409 ROP= 162' pr hr - Rig serv

**Daily Cost:** \$0**Cumulative Cost:** \$136,350**SUNDANCE I-12-9-17****Drill 7 7/8" hole with fresh water****Date:** 4/26/2010

Capstar #328 at 5800. 2 Days Since Spud - Drill 7 7/8" hole F/ 3807' to 4623' w/ 18K WOB,TRPM-184,GPM-409,Avg ROP-109 ft/hr - No H2S or flow in last 24 hours - Rig service, check crownomatic and BOP - Drill 7 7/8" hole F/ 4623' to 5800' w/ 20K WOB,TRPM-184,GPM-409, Avg ROP-74 ft/hr

**Daily Cost:** \$0**Cumulative Cost:** \$154,608**SUNDANCE I-12-9-17****Wait on Completion****Date:** 4/27/2010

Capstar #328 at 6032. 3 Days Since Spud - R/U and run 136 jts of 5.5",J-55,15.5#, LTC, Set

@ 6019.69', Top of float collar@ 5972.19', top of - Circulate casing - Hold meeting w/ BJ,R/U, test lines to 3500#, Pump 250 sks of lead @ 11ppg & 3.53 yield(PLII+3%KCL+ - 5#CSE+.5#CF+.5SMS+FP+SF) Pump 400 sks of tail @ 14.4ppg & 1.24 yield (50:50:2+3% KCL+.5%EC-1+ - .25#CF+.05#SF+FP)Displace w/ 142.3 bbls, returned 14 bbls back to pit,bump plug 2200 # - Nipple down and set slips w/ 90,000# tension - Clean mud tanks - R/U PSI and run triple combo (density,porosity,gamma ray) f/ loggers TD=6021' to surface, Rig down - Lay down drill pipe and BHA - Circulate for Lay down for Logs - Drill 7 7/8" hole F/ 5800' to 6032' w/ 20K WOB,TRPM-184,GPM-409,Avg ROP-93 ft/hr - short jt@3625.87', transfer 5 jts (220.58') to next well

**Daily Cost:** \$0

**Cumulative Cost:** \$253,107

---

**SUNDANCE I-12-9-17**

**Wait on Completion**

**Date:** 4/29/2010

Capstar #328 at 6032. 4 Days Since Spud - clean mud tanks - Release rig @ 9:00 AM

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$270,755

---

**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-39713
---	--

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
--	---

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: SUNDANCE FED I-12-9-17
-----------------------------	--

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43047400300000
---	----------------------------------

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
---	-----------------------------------	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1962 FNL 0677 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 12 Township: 09.0S Range: 17.0E Meridian: S	COUNTY: UINTAH  STATE: UTAH
--	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/8/2016  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text" value="Well Clean Out"/>

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

This well has had a history of scale build up. Newfield will be running a bit and scraper to clean out the wellbore with the intention to increase hydrocarbon production and bring the well back up to economic production volumes.

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

Date: ~~November 09, 2016~~

By: *Derek Duff*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 11/8/2016

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39713
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED I-12-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1962 FNL 0677 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 12 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047400300000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/14/2016	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Well Clean Out"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">On 11/14/2016, the well clean out was completed on the above mentioned well. See attached rig summary report.</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 30, 2016</b></p> </div>		
<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/29/2016	

**NEWFIELD****Summary Rig Activity****Well Name: Sundance I-12-9-17**

Job Category	Job Start Date	Job End Date

Daily Operations		
Report Start Date 11/10/2016	Report End Date 11/10/2016	24hr Activity Summary Move in rig up service unit. Rig down pumping unit. Unseat pump. Lay down polish rod, 7/8"x2',4',6' ponies. Flush tubing w/ 40 bbl. water @ 250°. Soft seat and test tubing to 3000 psi. Slow bleed off to 500 psi. Trip out of hole w/ 100) 7/8" 8per. Pick up polish rod. Shut well in for night.
Start Time 14:00	End Time 15:30	Comment Move in rig up service unit. Rig down pumping unit.
Start Time 15:30	End Time 16:30	Comment Unseat pump. Lay down polish rod, 7/8"x2',4',6' ponies. Flush tubing w/ 40 bbl. water @ 250°. Soft seat and test tubing to 3000 psi, Slow bleed off to 500 psi.
Start Time 16:30	End Time 17:30	Comment Trip out of hole w/ 100) 7/8" 8per.
Start Time 17:30	End Time 18:00	Comment Pick up polish rod. Shut well in for night.
Start Time 18:00	End Time 19:00	Comment Crew travel from location to yard.
Report Start Date 11/11/2016	Report End Date 11/11/2016	24hr Activity Summary TOOH w/ rods. RU BOP's. Release TA. TOOH w/ tbg. TIH w/ bit and scraper. Tag fill. Pump acid.
Start Time 06:00	End Time 07:00	Comment Travel to location. Start equipment. Held safety meeting.
Start Time 07:00	End Time 07:30	Comment Hot oiler pumped 40 bbls down casing.
Start Time 07:30	End Time 09:00	Comment TOOH w/ 127- 7/8" 8per rds, 4- 1 1/2" wieght rods. 2 1/2" x 1 3/4" x 24' RHAC pump.
Start Time 09:00	End Time 10:00	Comment Pump 5 bbls wtr. Drop Std valve. Test tbg to 3000 psi w/ 25 bbls wtr. RU sandline and fish std valve.
Start Time 10:00	End Time 11:30	Comment RU BOP's. Fuction test rams. Release TA. PU and TIH w/ 2 jts tbg to tag fill @ 5936'.
Start Time 11:30	End Time 13:30	Comment TOOH w/ 186 jts tbg, TA, 1 jt tbg, PSN, 1 jts tbg, NC.
Start Time 13:30	End Time 15:00	Comment RU bit and scraper, TIH w/ 188 jts tbg. PU 2 jts to tag fill @ 5936' (94' below btm perf). PBDT is 5972' (36' of fill). 67' of rat hole under EOT.
Start Time 15:00	End Time 17:00	Comment TOOH w/ 38 jts tbg to leave EOT @ 4714'.
Start Time 17:00	End Time 18:30	Comment RU Drilling Fluids Technology and pump 120 gals of acid. Displace w/ 28 bbls wtr to 4714'. Pumped 105 bbls today. Shut in for weekend.

**NEWFIELD****Summary Rig Activity****Well Name: Sundance I-12-9-17****Daily Operations**

Report Start Date 11/14/2016	Report End Date 11/14/2016	<p>24hr Activity Summary</p> <p>Crew travel from yard to location. Perform daily safety meeting and JSA's on location. Casing psi: 0, Tubing psi: 0. Perform rig maintenance. Trip out of hole w/ 148) jts 2-7/8" J55, Lay down 2) jts 2-7/8" L80, Bit &amp; Scraper.</p> <p>Make up and run in hole w/ production tubing as follows: KB) 13.00' Stretch Correction) 1.80' 183) jts 2-7/8" J55 (5751.09') 1) 5-1/2" Tubing Anchor (2.80') 1) jt 2-7/8" J55 (31.51') 1) Seat Nipple (1.10') 2) jts 2-7/8" J55 (62.94') 1) Notched Collar (0.50')</p> <p>TAC @ 5765.99' SN @ 5800.30' EOT @ 5864.84'</p> <p>Rig down tubing tongs and work floor. Nipple down BOP. Set TAC w/ 18,000# tension. Nipple up wellhead. Crossover to rod equipment.</p> <p>Pick up and prime pump and trip in hole w/ rods as follows: 1) 1-1/2"x30' Polish Rod 1) 7/8"x2' Pony 1) 7/8"x4' Pony (NEW) 1) 7/8"x8' Pony (NEW) 75) 7/8" 8per 132) 3/4" 4per (NEW) 23) 7/8" 8per Weatherford 2.5x1.75x20' RHAC Pump# 5256</p> <p>Fill tubing, stroke test pump to 800 psi. Good Test. Rig up pumping unit Rig down service unit. Prepare rig for move. Crew travel from location to yard.</p>
Start Time 06:00	End Time 07:00	Comment Crew travel from yard to location. Perform daily safety meeting and JSA's on location.
Start Time 07:00	End Time 07:30	Comment Casing psi: 0, Tubing psi: 0. Perform rig maintenance.
Start Time 07:30	End Time 09:00	Comment Trip out of hole w/ 148) jts 2-7/8" J55, Lay down 2) jts 2-7/8" L80, Bit & Scraper.

NEWFIELD



## Summary Rig Activity

Well Name: Sundance I-12-9-17

Start Time 09:00	End Time 11:00	Comment Make up and run in hole w/ production tubing as follows: KB) 13.00' Stretch Correction) 1.80' 183) jts 2-7/8" J55 (5751.09') 1) 5-1/2" Tubing Anchor (2.80') 1) jt 2-7/8" J55 (31.51') 1) Seat Nipple (1.10') 2) jts 2-7/8" J55 (62.94') 1) Notched Collar (0.50')  TAC @ 5765.99' SN @ 5800.30' EOT @ 5864.84'
Start Time 11:00	End Time 12:30	Comment Rig down tubing tongs and work floor. Nipple down BOP. Set TAC w/ 18,000# tension. Nipple up wellhead. Crossover to rod equipment.
Start Time 12:30	End Time 15:30	Comment Pick up and prime pump and trip in hole w/ rods as follows: 1) 1-1/2"x30' Polish Rod 1) 7/8"x2' Pony 1) 7/8"x4' Pony (NEW) 1) 7/8"x8' Pony (NEW) 75) 7/8" 8per 132) 3/4" 4per (NEW) 23) 7/8" 8per Weatherford 2.5x1.75x20' RHAC Pump# 5256
Start Time 15:30	End Time 16:30	Comment Fill tubing, stroke test pump to 800 psi. Good Test. Rig up pumping unit
Start Time 16:30	End Time 18:00	Comment Rig down service unit. Prepare rig for move. Final Report
Start Time 18:00	End Time 19:00	Comment Crew travel from location to yard.