

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-035521

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

7. If Unit or CA Agreement, Name and No.
Jonah Unit

8. Lease Name and Well No.
Jonah Federal M-12-9-16

9. API Well No.
43013-34098

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 12, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

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

At surface NE/SW 2138' FSL 1765' FWL

At proposed prod. zone 2650' FNL 2650' FWL

14. Distance in miles and direction from nearest town or post office*
Approximatley 17.7 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 10' f/lse, 2630' f/unit

16. No. of Acres in lease
240.00

17. Spacing Unit dedicated to this well
20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1320'

19. Proposed Depth
6040'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5455' GL

22. Approximate date work will start*
1st Quarter 2009

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:

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

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 9/15/08

Title Regulatory Specialist

Approved by Signature *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 09-29-08

Title Office ENVIRONMENTAL MANAGER

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

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

Swrt

579321X
44328414
40.043964
-110.670175

BHL

579589X
44329894
40.045272
-110.667021

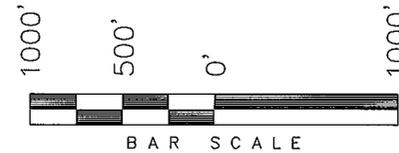
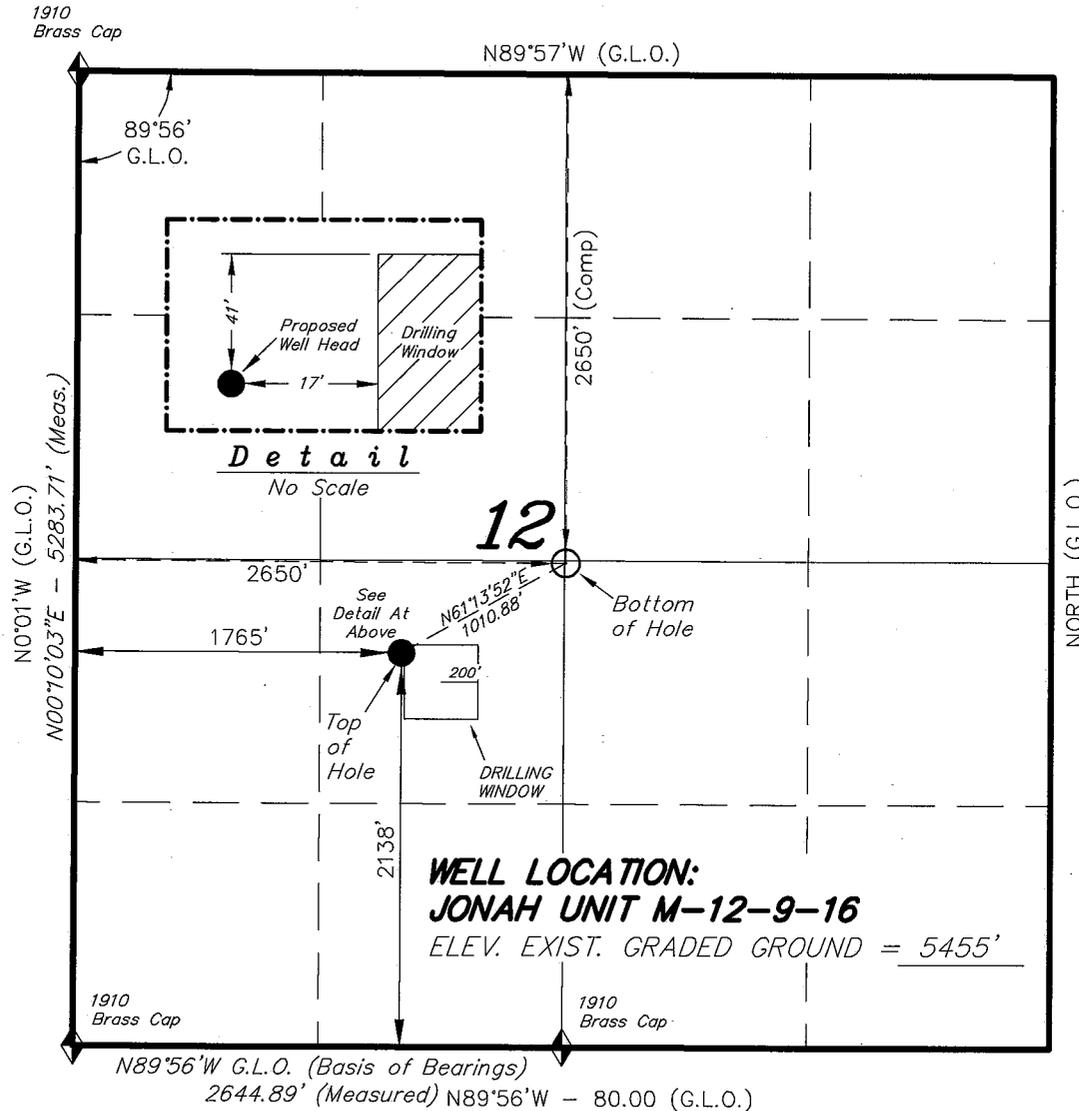
Federal Approval of this
Action is Necessary

RECEIVED
SEP 22 2008
DIV. OF OIL, GAS & MINING

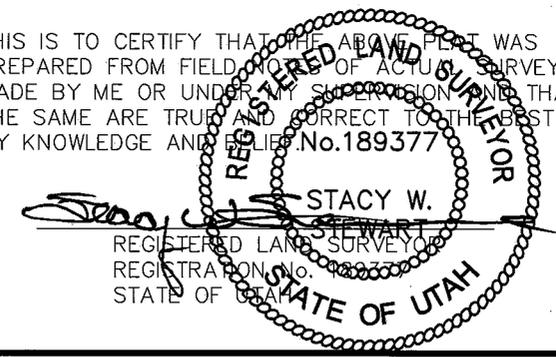
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT M-12-9-16,
 LOCATED AS SHOWN IN THE NE 1/4 SW
 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.



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



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

DATE SURVEYED: 07-03-08	SURVEYED BY: T.H.
DATE DRAWN: 07-15-08	DRAWN BY: F.T.M.
REVISED: 08-06-08 F.T.M.	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

JONAH UNIT M-12-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 38.27"
 LONGITUDE = 110° 04' 15.27"

NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL M-12-9-16
AT SURFACE: NE/SW SECTION 12, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1437'
Green River	1437'
Wasatch	6040'

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

Green River Formation 1437' – 6040' - 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
JONAH FEDERAL M-12-9-16
AT SURFACE: NE/SW SECTION 12, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal M-12-9-16 located in the NE 1/4 SW 1/4 Section 12, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 9.7 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 2.4 miles \pm to it's junction with an existing dirt road to the south; proceed in a southwesterly direction - 1.1 miles \pm to the existing Government C&O #4 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 Government C&O #4 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 Government C&O #4 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal M-12-9-16. 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 : 43-7478

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 Jonah Federal M-12-9-16 will be drilled off of the existing Government C&O #4 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

None for the proposed Jonah Federal M-12-9-16.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

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

Details of the On-Site Inspection

The proposed Jonah Federal M-12-9-16 was on-sited on 8/13/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Dave Gordon (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 CERTIFICATIONRepresentative

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

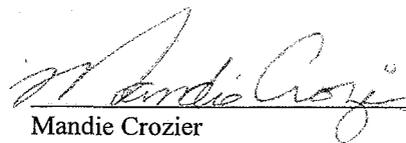
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #M-12-9-16 NE/SW Section 12, Township 9S, Range 16E: Lease UTU-035521 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed 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.

9/15/08

Date



Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD

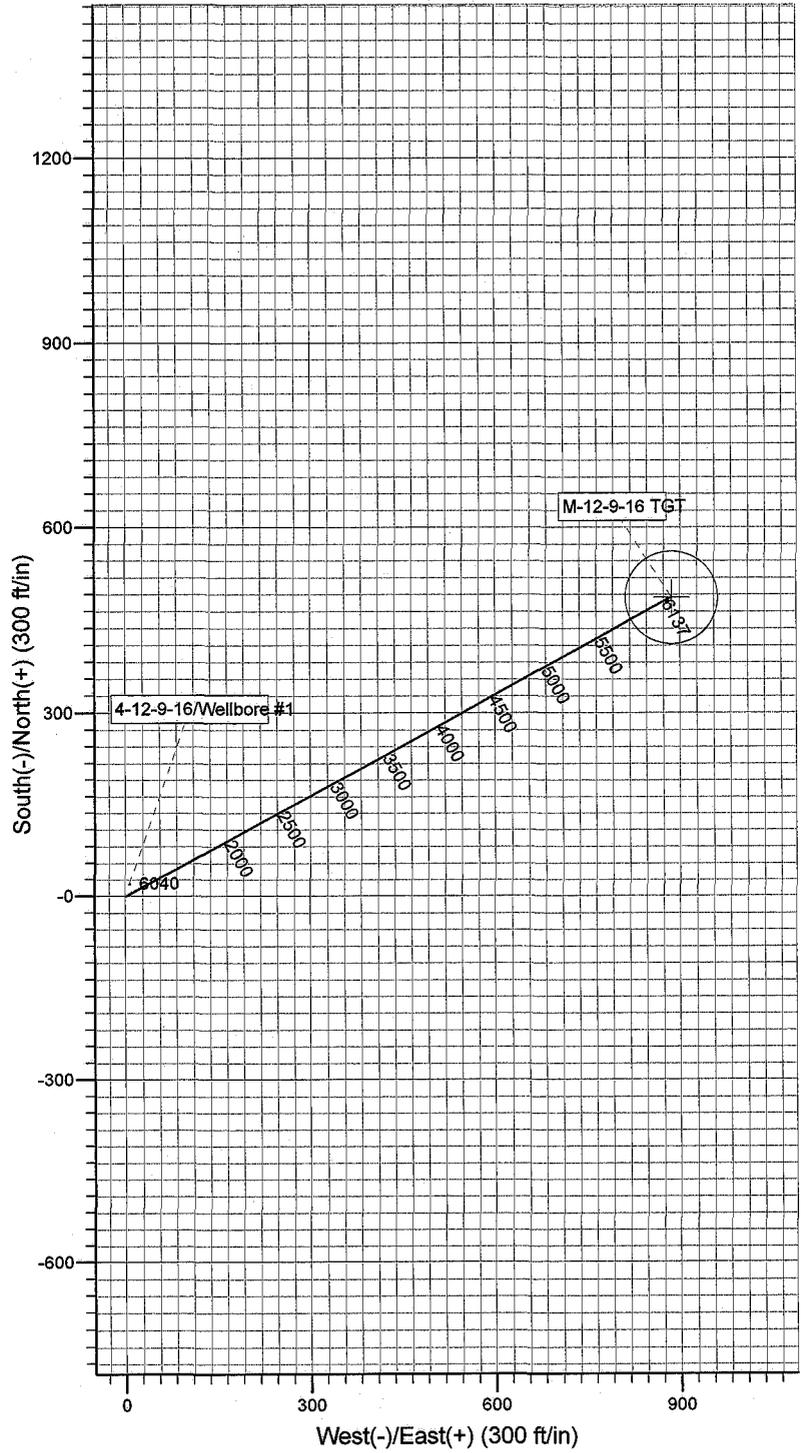
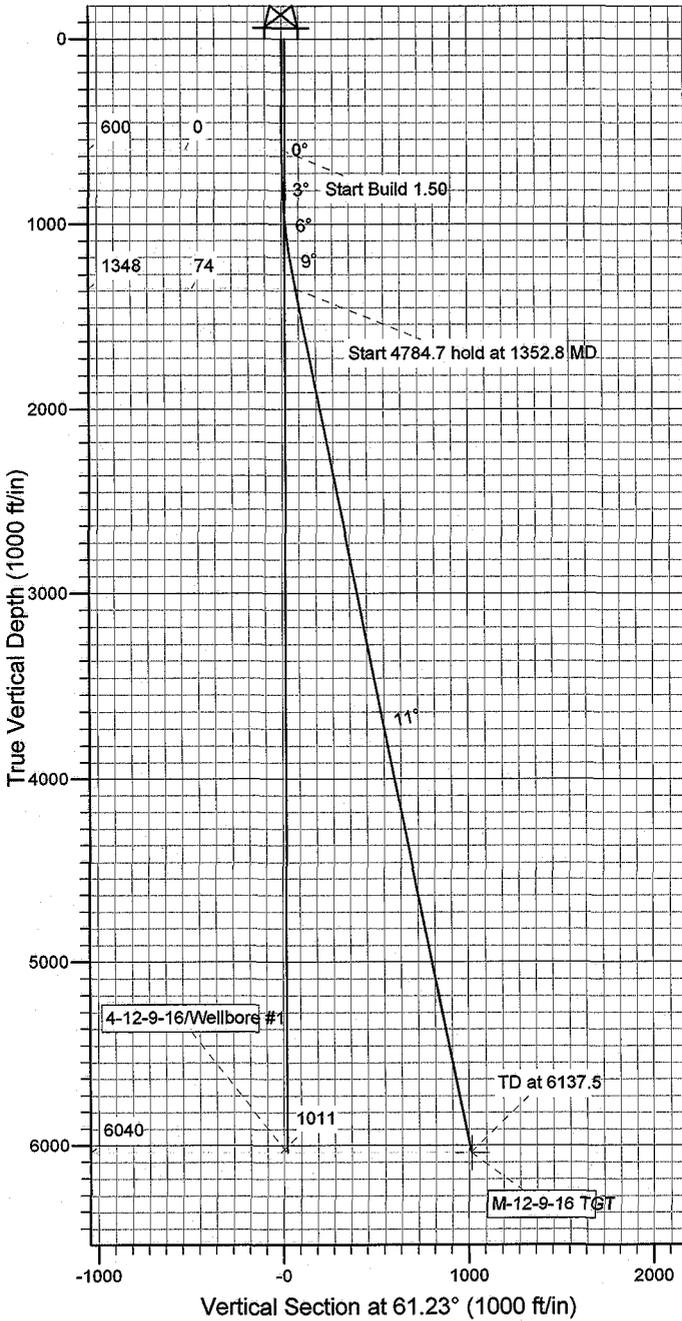
Project: USGS Myton SW (UT)
 Site: SECTION 12
 Well: JONAH M-12-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.66°

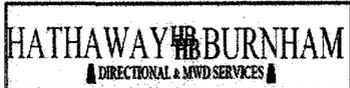
Magnetic Field
 Strength: 52571.8snT
 Dip Angle: 65.87°
 Date: 8/26/2008
 Model: IGRF200510

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS 75'

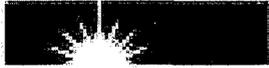


WELLBORE TARGET DETAILS				
Name	TVD	+N-S	+E-W	Shape
M-12-9-16 TGT	6040.0	486.5	886.1	Circle (Radius: 75.0)

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1352.8	11.29	61.23	1348.0	35.6	64.8	1.50	61.23	74.0	
4	6137.5	11.29	61.23	6040.0	486.5	886.1	0.00	0.00	1010.9	M-12-9-16 TGT



NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 12

JONAH M-12-9-16

Wellbore #1

Plan: Design #1

Standard Planning Report

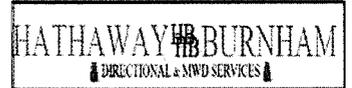
26 August, 2008

HATHAWAY ^{HB} BURNHAM
DIRECTIONAL & MWD SERVICES



Hathaway Burnham

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

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

Site	SECTION 12, SEC 12 T9S, R16E				
Site Position:		Northing:	7,187,142.02ft	Latitude:	40° 2' 30.286 N
From:	Lat/Long	Easting:	2,041,496.20ft	Longitude:	110° 4' 2.413 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.92 °

Well	JONAH M-12-9-16, SHL LAT: 40 02 38.27. LONG: -110 04 15.27					
Well Position	+N/-S	807.8 ft	Northing:	7,187,933.71 ft	Latitude:	40° 2' 38.270 N
	+E/-W	-1,000.0 ft	Easting:	2,040,483.55 ft	Longitude:	110° 4' 15.270 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/26/2008	11.66	65.87	52,572

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	61.23

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,352.8	11.29	61.23	1,348.0	35.6	64.8	1.50	1.50	0.00	61.23	
6,137.5	11.29	61.23	6,040.0	486.5	886.1	0.00	0.00	0.00	0.00	M-12-9-16 TGT

Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.75	61.23	650.0	0.2	0.3	0.3	1.50	1.50	0.00
700.0	1.50	61.23	700.0	0.6	1.1	1.3	1.50	1.50	0.00
750.0	2.25	61.23	750.0	1.4	2.6	2.9	1.50	1.50	0.00
800.0	3.00	61.23	799.9	2.5	4.6	5.2	1.50	1.50	0.00
850.0	3.75	61.23	849.8	3.9	7.2	8.2	1.50	1.50	0.00
900.0	4.50	61.23	899.7	5.7	10.3	11.8	1.50	1.50	0.00
950.0	5.25	61.23	949.5	7.7	14.0	16.0	1.50	1.50	0.00
1,000.0	6.00	61.23	999.3	10.1	18.3	20.9	1.50	1.50	0.00
1,050.0	6.75	61.23	1,049.0	12.7	23.2	26.5	1.50	1.50	0.00
1,100.0	7.50	61.23	1,098.6	15.7	28.6	32.7	1.50	1.50	0.00
1,150.0	8.25	61.23	1,148.1	19.0	34.6	39.5	1.50	1.50	0.00
1,200.0	9.00	61.23	1,197.5	22.6	41.2	47.0	1.50	1.50	0.00
1,250.0	9.75	61.23	1,246.9	26.6	48.4	55.2	1.50	1.50	0.00
1,300.0	10.50	61.23	1,296.1	30.8	56.1	64.0	1.50	1.50	0.00
1,350.0	11.25	61.23	1,345.2	35.3	64.3	73.4	1.50	1.50	0.00
1,352.8	11.29	61.23	1,348.0	35.6	64.8	74.0	1.50	1.50	0.00
1,400.0	11.29	61.23	1,394.2	40.0	72.9	83.2	0.00	0.00	0.00
1,450.0	11.29	61.23	1,443.3	44.7	81.5	93.0	0.00	0.00	0.00
1,500.0	11.29	61.23	1,492.3	49.5	90.1	102.8	0.00	0.00	0.00
1,550.0	11.29	61.23	1,541.3	54.2	98.7	112.6	0.00	0.00	0.00
1,600.0	11.29	61.23	1,590.4	58.9	107.2	122.3	0.00	0.00	0.00
1,650.0	11.29	61.23	1,639.4	63.6	115.8	132.1	0.00	0.00	0.00
1,700.0	11.29	61.23	1,688.4	68.3	124.4	141.9	0.00	0.00	0.00
1,750.0	11.29	61.23	1,737.4	73.0	133.0	151.7	0.00	0.00	0.00
1,800.0	11.29	61.23	1,786.5	77.7	141.6	161.5	0.00	0.00	0.00
1,850.0	11.29	61.23	1,835.5	82.4	150.2	171.3	0.00	0.00	0.00
1,900.0	11.29	61.23	1,884.5	87.2	158.7	181.1	0.00	0.00	0.00
1,950.0	11.29	61.23	1,933.6	91.9	167.3	190.9	0.00	0.00	0.00
2,000.0	11.29	61.23	1,982.6	96.6	175.9	200.7	0.00	0.00	0.00
2,050.0	11.29	61.23	2,031.6	101.3	184.5	210.5	0.00	0.00	0.00
2,100.0	11.29	61.23	2,080.7	106.0	193.1	220.3	0.00	0.00	0.00
2,150.0	11.29	61.23	2,129.7	110.7	201.7	230.0	0.00	0.00	0.00
2,200.0	11.29	61.23	2,178.7	115.4	210.2	239.8	0.00	0.00	0.00
2,250.0	11.29	61.23	2,227.8	120.1	218.8	249.6	0.00	0.00	0.00
2,300.0	11.29	61.23	2,276.8	124.9	227.4	259.4	0.00	0.00	0.00
2,350.0	11.29	61.23	2,325.8	129.6	236.0	269.2	0.00	0.00	0.00
2,400.0	11.29	61.23	2,374.9	134.3	244.6	279.0	0.00	0.00	0.00
2,450.0	11.29	61.23	2,423.9	139.0	253.1	288.8	0.00	0.00	0.00
2,500.0	11.29	61.23	2,472.9	143.7	261.7	298.6	0.00	0.00	0.00
2,550.0	11.29	61.23	2,522.0	148.4	270.3	308.4	0.00	0.00	0.00
2,600.0	11.29	61.23	2,571.0	153.1	278.9	318.2	0.00	0.00	0.00

Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
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)
2,650.0	11.29	61.23	2,620.0	157.8	287.5	328.0	0.00	0.00	0.00
2,700.0	11.29	61.23	2,669.1	162.6	296.1	337.8	0.00	0.00	0.00
2,750.0	11.29	61.23	2,718.1	167.3	304.6	347.5	0.00	0.00	0.00
2,800.0	11.29	61.23	2,767.1	172.0	313.2	357.3	0.00	0.00	0.00
2,850.0	11.29	61.23	2,816.2	176.7	321.8	367.1	0.00	0.00	0.00
2,900.0	11.29	61.23	2,865.2	181.4	330.4	376.9	0.00	0.00	0.00
2,950.0	11.29	61.23	2,914.2	186.1	339.0	386.7	0.00	0.00	0.00
3,000.0	11.29	61.23	2,963.2	190.8	347.6	396.5	0.00	0.00	0.00
3,050.0	11.29	61.23	3,012.3	195.5	356.1	406.3	0.00	0.00	0.00
3,100.0	11.29	61.23	3,061.3	200.3	364.7	416.1	0.00	0.00	0.00
3,150.0	11.29	61.23	3,110.3	205.0	373.3	425.9	0.00	0.00	0.00
3,200.0	11.29	61.23	3,159.4	209.7	381.9	435.7	0.00	0.00	0.00
3,250.0	11.29	61.23	3,208.4	214.4	390.5	445.5	0.00	0.00	0.00
3,300.0	11.29	61.23	3,257.4	219.1	399.0	455.2	0.00	0.00	0.00
3,350.0	11.29	61.23	3,306.5	223.8	407.6	465.0	0.00	0.00	0.00
3,400.0	11.29	61.23	3,355.5	228.5	416.2	474.8	0.00	0.00	0.00
3,450.0	11.29	61.23	3,404.5	233.2	424.8	484.6	0.00	0.00	0.00
3,500.0	11.29	61.23	3,453.6	238.0	433.4	494.4	0.00	0.00	0.00
3,550.0	11.29	61.23	3,502.6	242.7	442.0	504.2	0.00	0.00	0.00
3,600.0	11.29	61.23	3,551.6	247.4	450.5	514.0	0.00	0.00	0.00
3,650.0	11.29	61.23	3,600.7	252.1	459.1	523.8	0.00	0.00	0.00
3,700.0	11.29	61.23	3,649.7	256.8	467.7	533.6	0.00	0.00	0.00
3,750.0	11.29	61.23	3,698.7	261.5	476.3	543.4	0.00	0.00	0.00
3,800.0	11.29	61.23	3,747.8	266.2	484.9	553.2	0.00	0.00	0.00
3,850.0	11.29	61.23	3,796.8	270.9	493.5	562.9	0.00	0.00	0.00
3,900.0	11.29	61.23	3,845.8	275.7	502.0	572.7	0.00	0.00	0.00
3,950.0	11.29	61.23	3,894.9	280.4	510.6	582.5	0.00	0.00	0.00
4,000.0	11.29	61.23	3,943.9	285.1	519.2	592.3	0.00	0.00	0.00
4,050.0	11.29	61.23	3,992.9	289.8	527.8	602.1	0.00	0.00	0.00
4,100.0	11.29	61.23	4,042.0	294.5	536.4	611.9	0.00	0.00	0.00
4,150.0	11.29	61.23	4,091.0	299.2	544.9	621.7	0.00	0.00	0.00
4,200.0	11.29	61.23	4,140.0	303.9	553.5	631.5	0.00	0.00	0.00
4,250.0	11.29	61.23	4,189.0	308.6	562.1	641.3	0.00	0.00	0.00
4,300.0	11.29	61.23	4,238.1	313.4	570.7	651.1	0.00	0.00	0.00
4,350.0	11.29	61.23	4,287.1	318.1	579.3	660.9	0.00	0.00	0.00
4,400.0	11.29	61.23	4,336.1	322.8	587.9	670.6	0.00	0.00	0.00
4,450.0	11.29	61.23	4,385.2	327.5	596.4	680.4	0.00	0.00	0.00
4,500.0	11.29	61.23	4,434.2	332.2	605.0	690.2	0.00	0.00	0.00
4,550.0	11.29	61.23	4,483.2	336.9	613.6	700.0	0.00	0.00	0.00
4,600.0	11.29	61.23	4,532.3	341.6	622.2	709.8	0.00	0.00	0.00
4,650.0	11.29	61.23	4,581.3	346.3	630.8	719.6	0.00	0.00	0.00
4,700.0	11.29	61.23	4,630.3	351.1	639.4	729.4	0.00	0.00	0.00
4,750.0	11.29	61.23	4,679.4	355.8	647.9	739.2	0.00	0.00	0.00
4,800.0	11.29	61.23	4,728.4	360.5	656.5	749.0	0.00	0.00	0.00
4,850.0	11.29	61.23	4,777.4	365.2	665.1	758.8	0.00	0.00	0.00
4,900.0	11.29	61.23	4,826.5	369.9	673.7	768.6	0.00	0.00	0.00
4,950.0	11.29	61.23	4,875.5	374.6	682.3	778.3	0.00	0.00	0.00
5,000.0	11.29	61.23	4,924.5	379.3	690.8	788.1	0.00	0.00	0.00
5,050.0	11.29	61.23	4,973.6	384.0	699.4	797.9	0.00	0.00	0.00
5,100.0	11.29	61.23	5,022.6	388.8	708.0	807.7	0.00	0.00	0.00
5,150.0	11.29	61.23	5,071.6	393.5	716.6	817.5	0.00	0.00	0.00
5,200.0	11.29	61.23	5,120.7	398.2	725.2	827.3	0.00	0.00	0.00
5,250.0	11.29	61.23	5,169.7	402.9	733.8	837.1	0.00	0.00	0.00
5,300.0	11.29	61.23	5,218.7	407.6	742.3	846.9	0.00	0.00	0.00

Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
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)
5,350.0	11.29	61.23	5,267.7	412.3	750.9	856.7	0.00	0.00	0.00
5,400.0	11.29	61.23	5,316.8	417.0	759.5	866.5	0.00	0.00	0.00
5,450.0	11.29	61.23	5,365.8	421.7	768.1	876.3	0.00	0.00	0.00
5,500.0	11.29	61.23	5,414.8	426.4	776.7	886.0	0.00	0.00	0.00
5,550.0	11.29	61.23	5,463.9	431.2	785.3	895.8	0.00	0.00	0.00
5,600.0	11.29	61.23	5,512.9	435.9	793.8	905.6	0.00	0.00	0.00
5,650.0	11.29	61.23	5,561.9	440.6	802.4	915.4	0.00	0.00	0.00
5,700.0	11.29	61.23	5,611.0	445.3	811.0	925.2	0.00	0.00	0.00
5,750.0	11.29	61.23	5,660.0	450.0	819.6	935.0	0.00	0.00	0.00
5,800.0	11.29	61.23	5,709.0	454.7	828.2	944.8	0.00	0.00	0.00
5,850.0	11.29	61.23	5,758.1	459.4	836.7	954.6	0.00	0.00	0.00
5,900.0	11.29	61.23	5,807.1	464.1	845.3	964.4	0.00	0.00	0.00
5,950.0	11.29	61.23	5,856.1	468.9	853.9	974.2	0.00	0.00	0.00
6,000.0	11.29	61.23	5,905.2	473.6	862.5	984.0	0.00	0.00	0.00
6,050.0	11.29	61.23	5,954.2	478.3	871.1	993.7	0.00	0.00	0.00
6,100.0	11.29	61.23	6,003.2	483.0	879.7	1,003.5	0.00	0.00	0.00
6,137.5	11.29	61.23	6,040.0	486.5	886.1	1,010.9	0.00	0.00	0.00

M-12-9-16 TGT

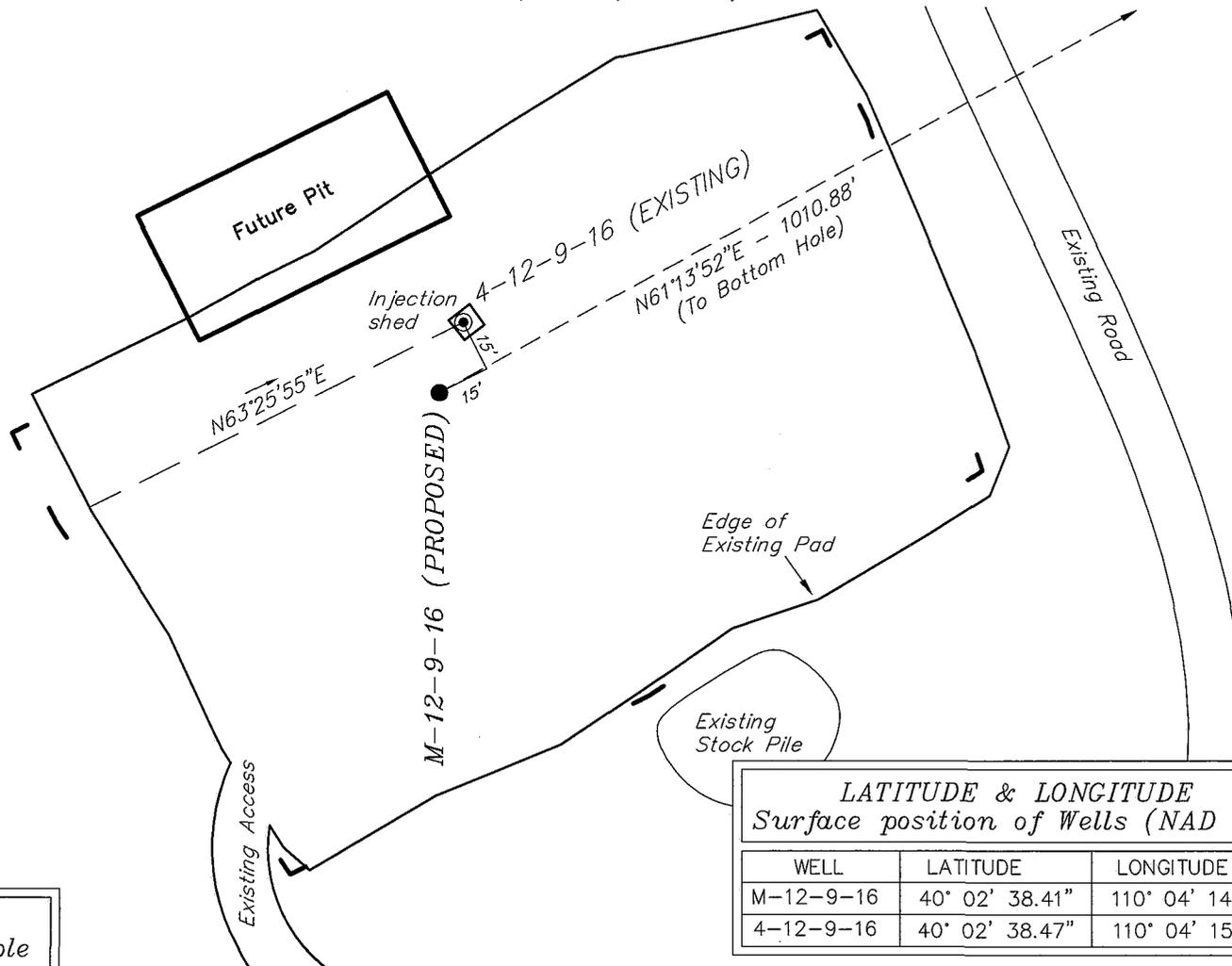
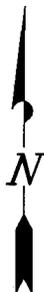
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT M-12-9-16 (Proposed Well)

JONAH UNIT 4-12-9-16 (Existing Well)

Pad Location: NESW Section 12, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

M-12-9-16 (PROPOSED)
2138' FSL & 1765' FWL

BOTTOM HOLE FOOTAGES

M-12-9-16 (PROPOSED)
2650' FNL & 2650' FWL

Note:

Bearings are based on GLO Information.

LATITUDE & LONGITUDE		
Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
M-12-9-16	40° 02' 38.41"	110° 04' 14.92"
4-12-9-16	40° 02' 38.47"	110° 04' 15.18"

RELATIVE COORDINATES		
From top hole to bottom hole		
WELL	NORTH	EAST
M-12-9-16	487'	886'

SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08
SCALE: 1" = 50'	REVISED: F.T.M. 08-06-08

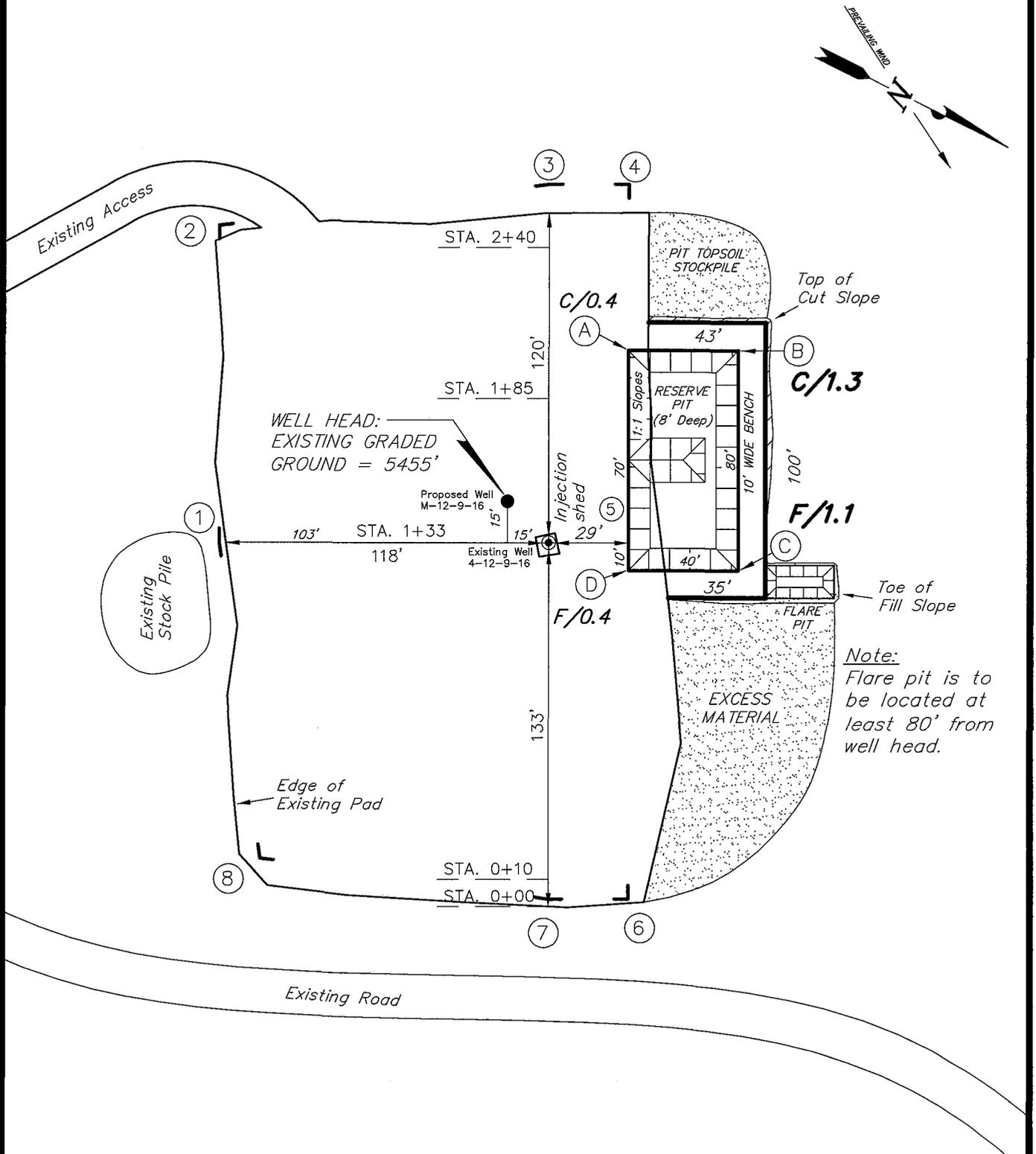
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

JONAH UNIT M-12-9-16 (Proposed Well)

JONAH UNIT 4-12-9-16 (Existing Well)

Pad Location: NESW Section 12, T9S, R16E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08
SCALE: 1" = 50'	REVISED: F.T.M. 08-06-08

(435) 781-2501

Tri State
Land Surveying, Inc.

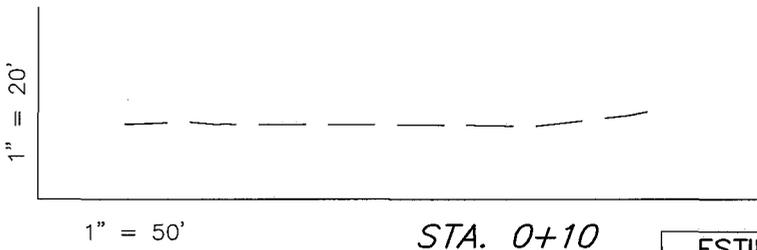
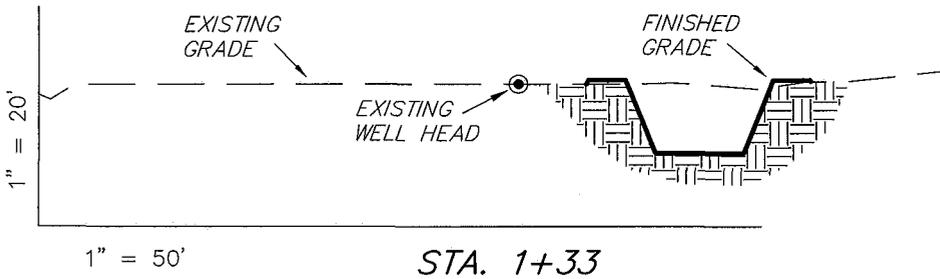
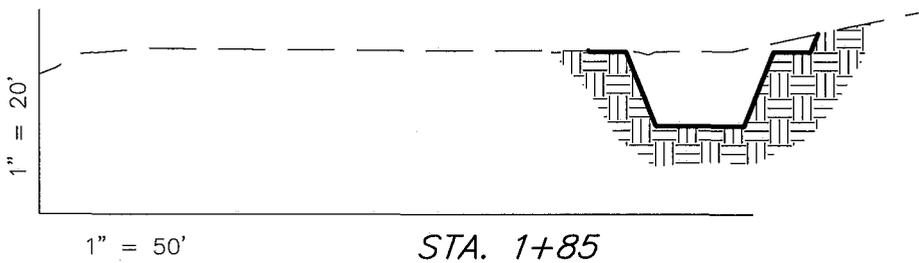
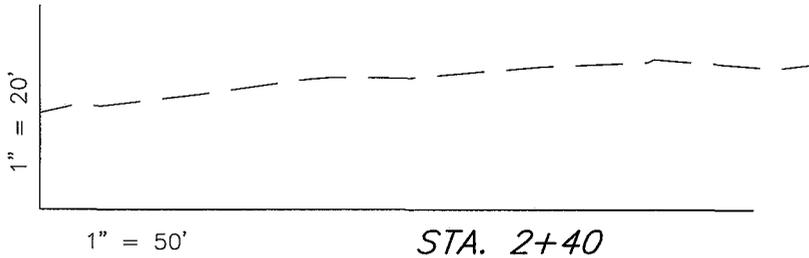
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

JONAH UNIT M-12-9-16 (Proposed Well)

JONAH UNIT 4-12-9-16 (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	60	40	Topsoil is not included in Pad Cut	20
PIT	640	0		640
TOTALS	700	40	130	660

SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08	
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08	
SCALE: 1" = 50'	REVISED:	

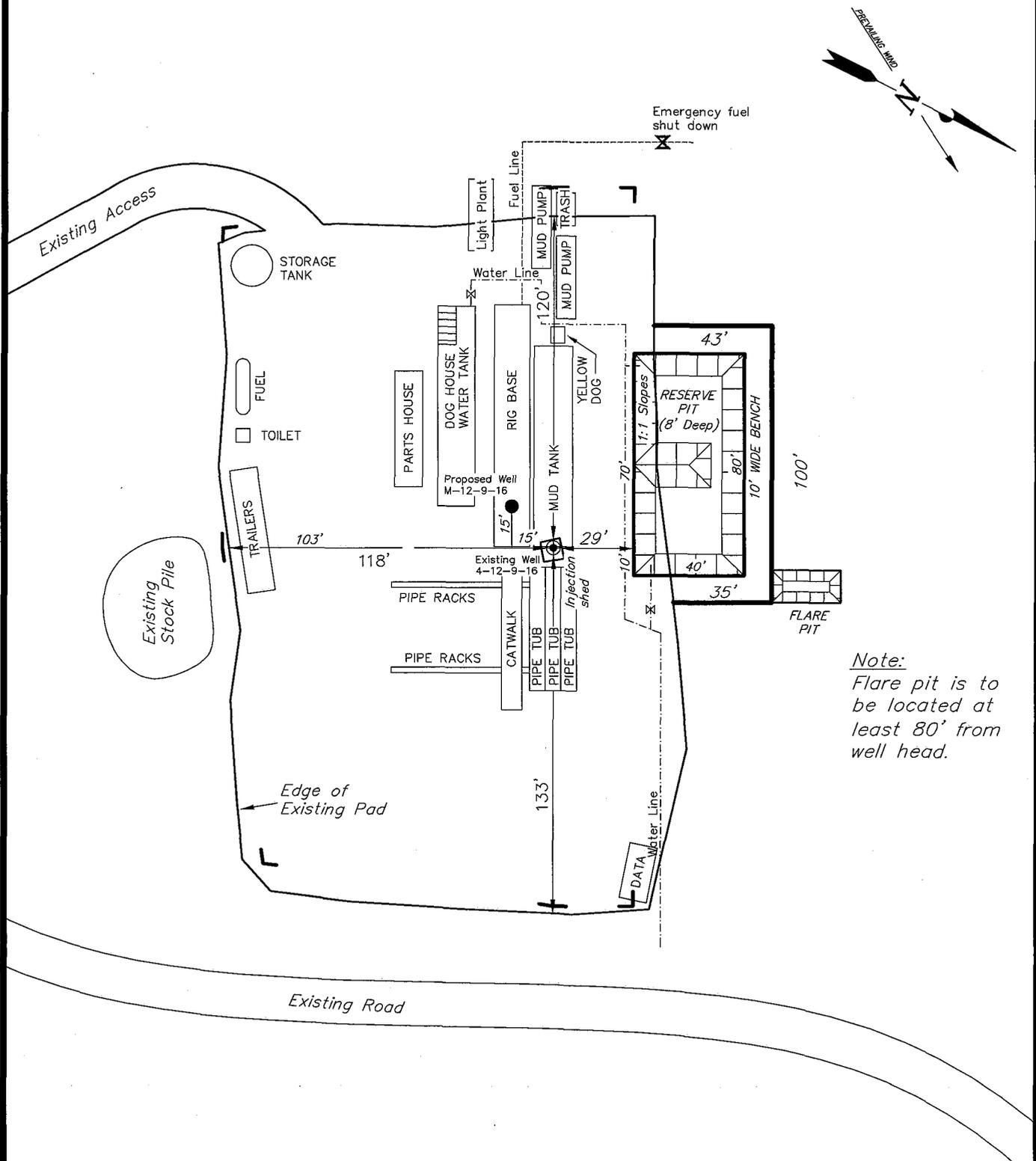
Tri State
 Land Surveying, Inc. (435) 781-2501
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

JONAH UNIT M-12-9-16 (Proposed Well)

JONAH UNIT 4-12-9-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 07-03-08	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08		
SCALE: 1" = 50'	REVISED: F.T.M. 08-06-08		

Newfield Production Company Proposed Site Facility Diagram

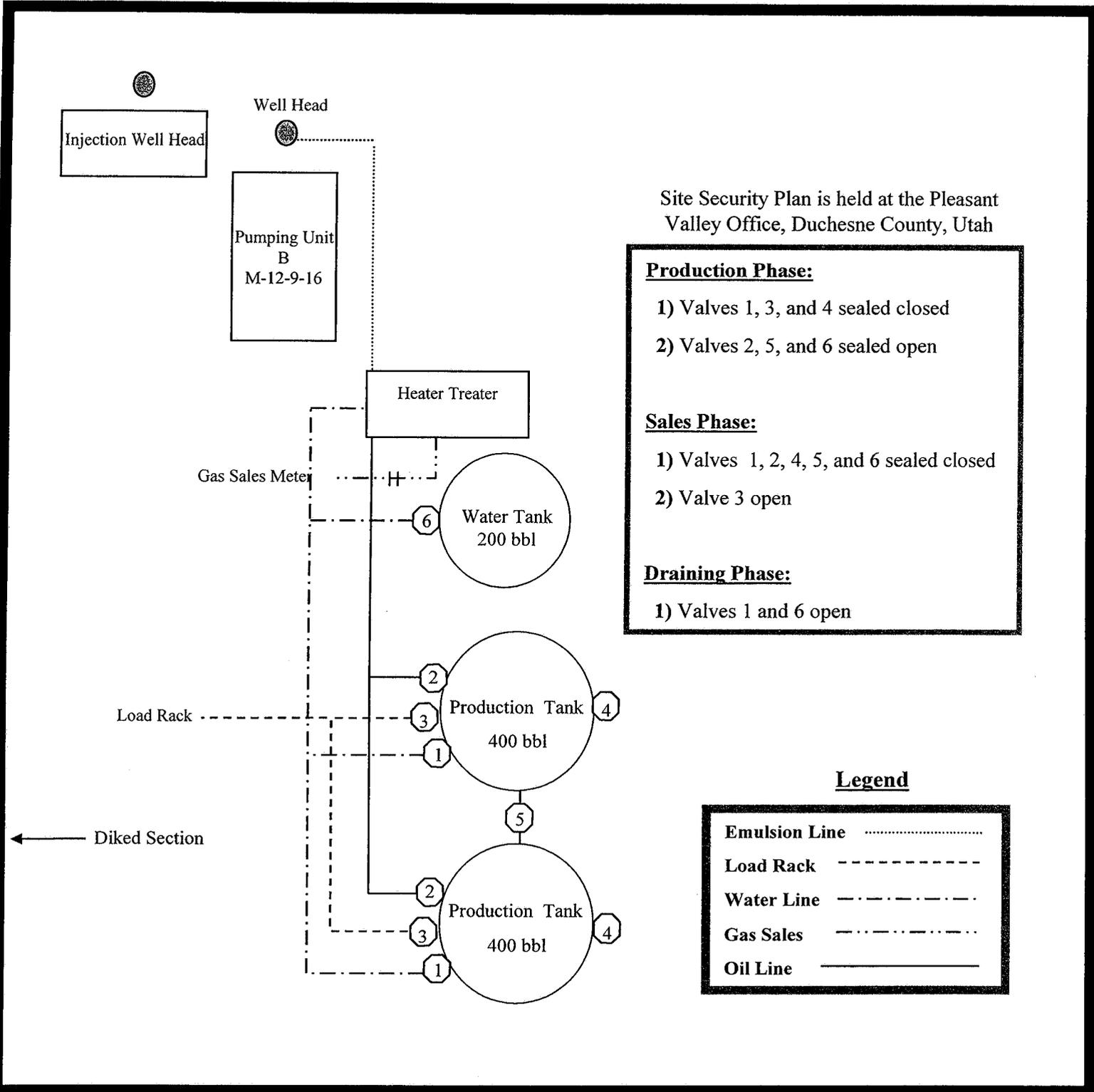
Jonah Federal M-12-9-16

From the Government C&O #4 Location

NE/SW Sec. 12 T9S, R16E

Duchesne County, Utah

UTU-035521



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

Production Phase:

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

Sales Phase:

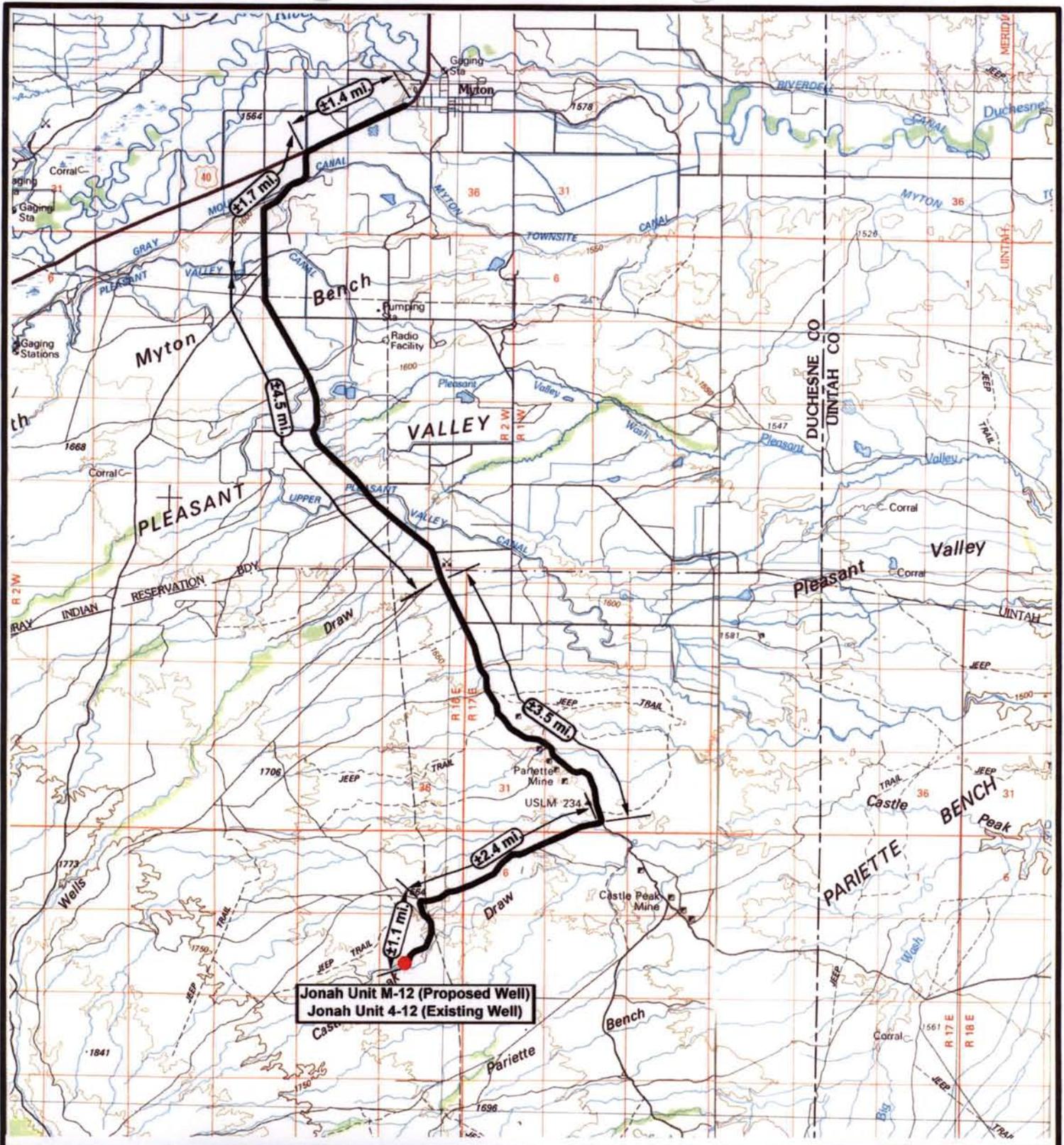
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Legend

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



Jonah Unit M-12 (Proposed Well)
Jonah Unit 4-12 (Existing Well)

NEWFIELD
 Exploration Company

Jonah Unit M-12-9-16 (Proposed Well)
Jonah Unit 4-12-9-16 (Existing Well)
 Pad Location: NESW SEC. 12, T9S, R16E, 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: JAS
 DATE: 07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



Jonah Unit M-12 (Proposed Well)
 Jonah Unit 4-12 (Existing Well)

Myton ±16.6 mi

1.1 mi



NEWFIELD
Exploration Company

Jonah Unit M-12-9-16 (Proposed Well)
Jonah Unit 4-12-9-16 (Existing Well)
 Pad Location: NESW SEC. 12, T9S, R16E, S.L.B.&M.



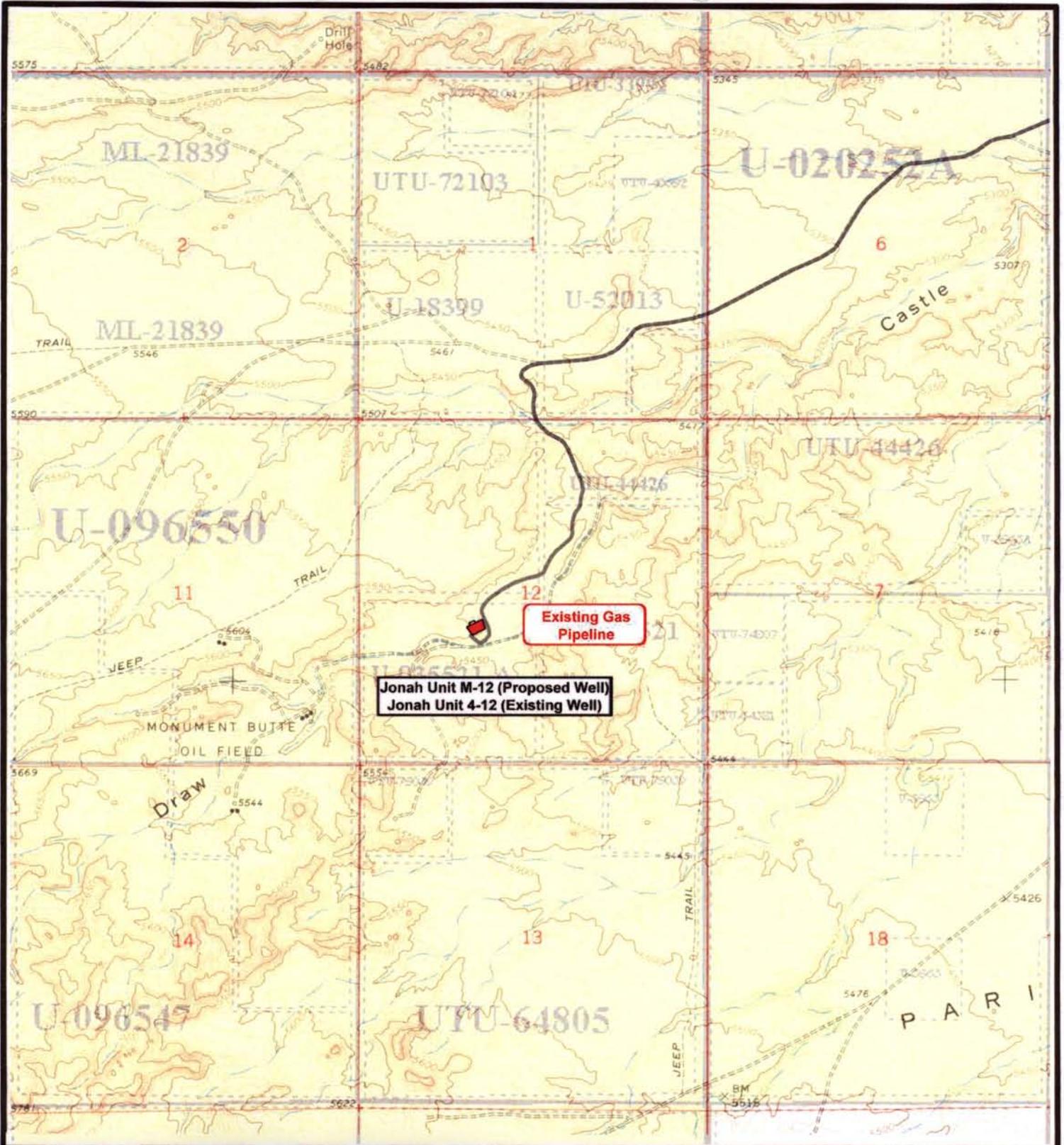

Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



 **NEWFIELD**
Exploration Company

Jonah Unit M-12-9-16 (Proposed Well)
Jonah Unit 4-12-9-16 (Existing Well)
Pad Location: NESW SEC. 12, T9S, R16E, S.L.B.&M.



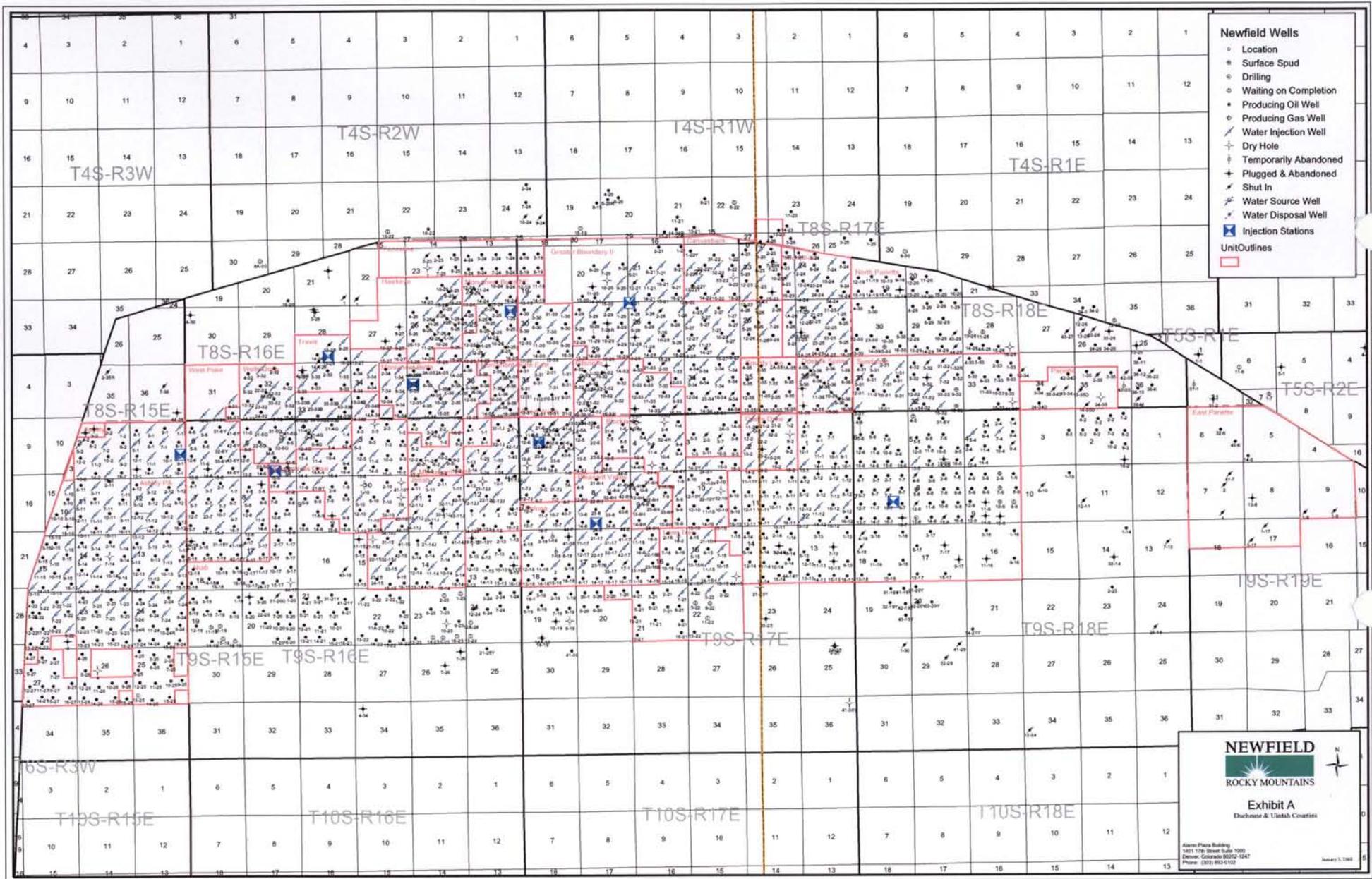

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

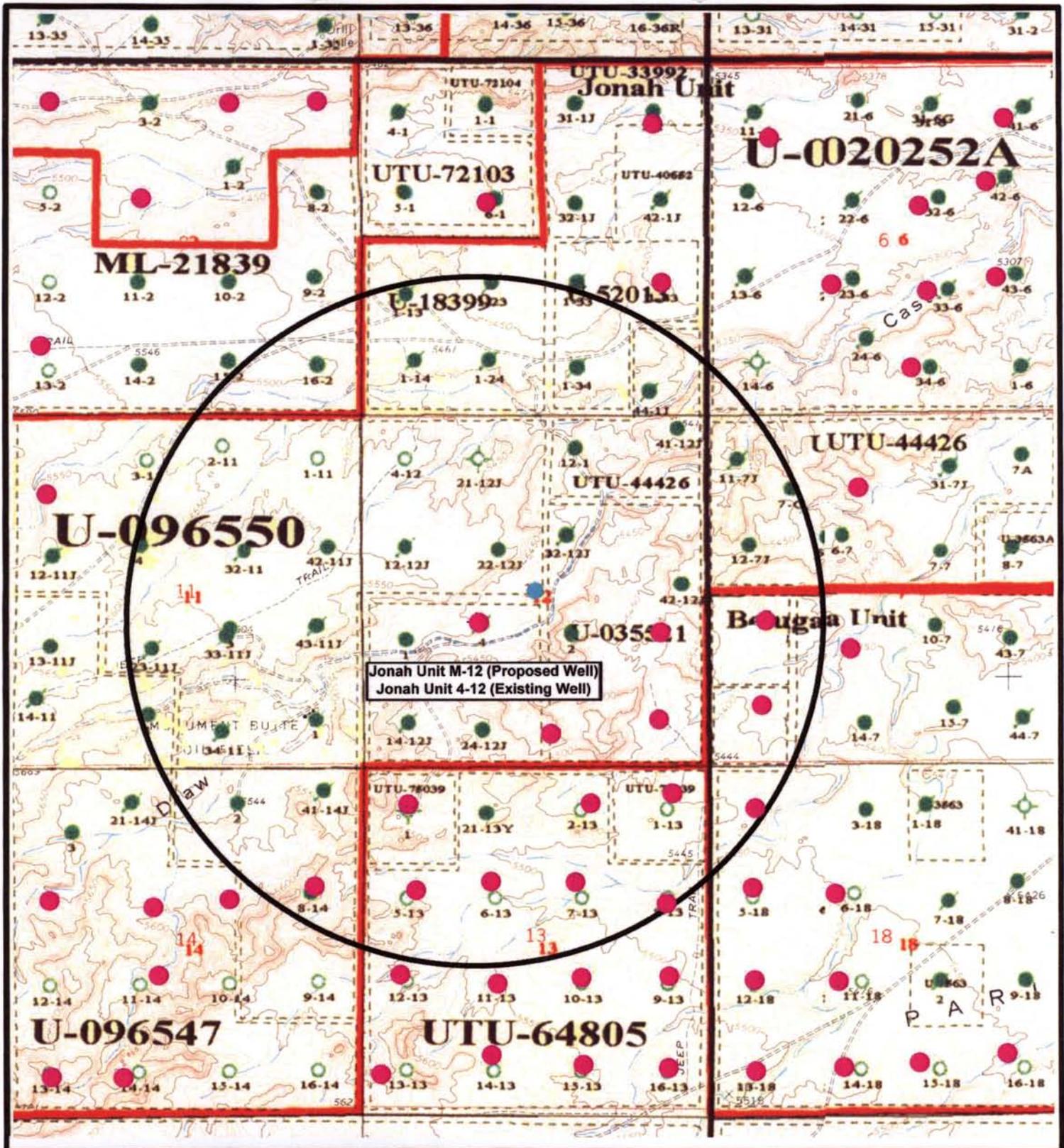
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-29-2008

Legend

 Roads

TOPOGRAPHIC MAP
"C"





Jonah Unit M-12 (Proposed Well)
Jonah Unit 4-12 (Existing Well)

NEWFIELD
Exploration Company

Jonah Unit M-12-9-16 (Proposed Well)
Jonah Unit 4-12-9-16 (Existing Well)
Pad Location: NESW SEC. 12, T9S, R16E, S.L.B.&M.

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

SCALE: 1" = 2000'
DRAWN BY: JAS
DATE: 07-29-2008

Legend

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

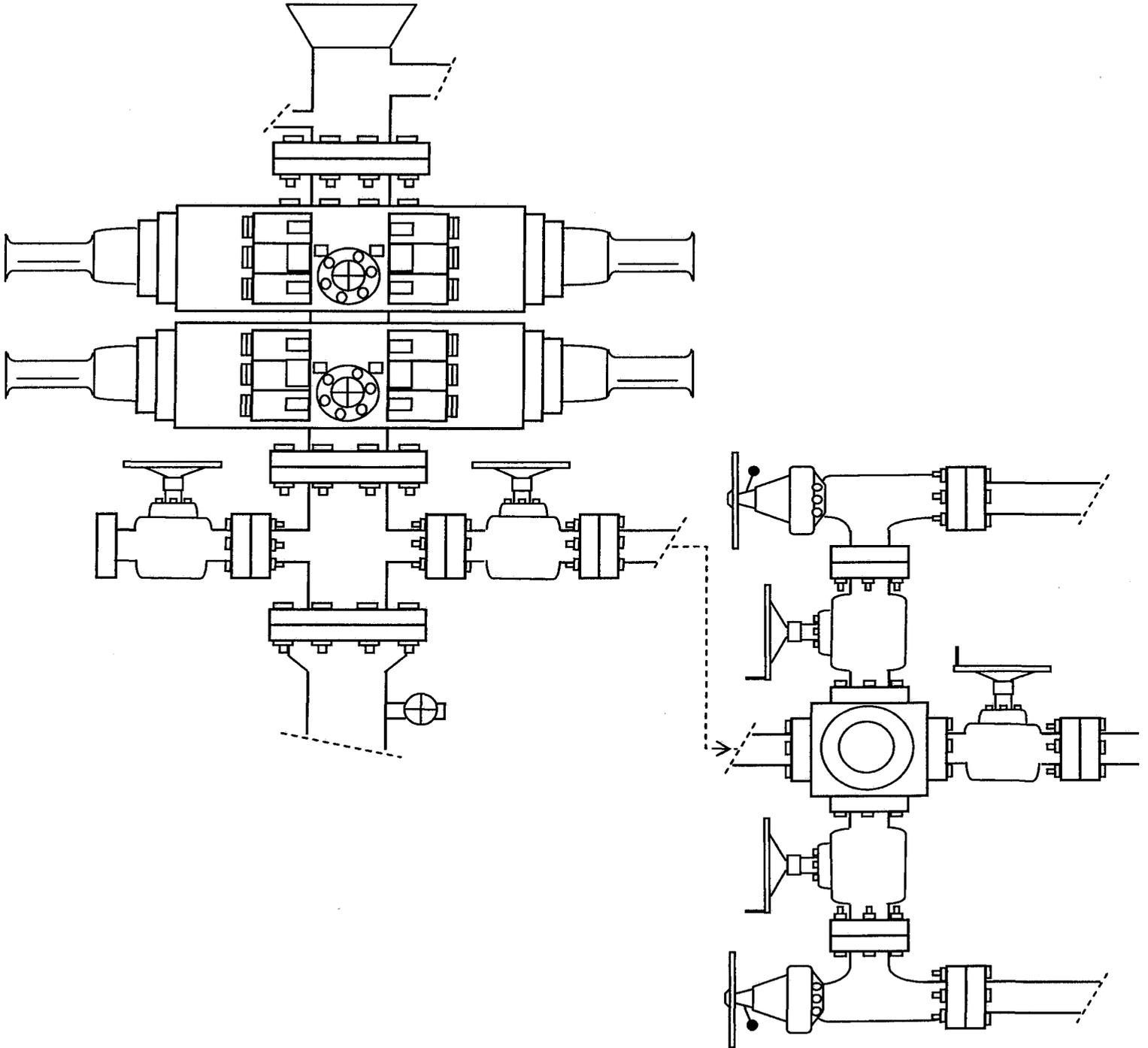


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/22/2008

API NO. ASSIGNED: 43-013-34098

WELL NAME: JONAH FED M-12-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 12 090S 160E
 SURFACE: 2138 FSL 1765 FWL
 BOTTOM: 2650 FNL 2650 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.04396 LONGITUDE: -110.0702
 UTM SURF EASTINGS: 579321 NORTHINGS: 4432841
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-035521
 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. 43-7478)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- _____ R649-2-3.
- Unit: JONAH (GRRV)
- _____ R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
 - Board Cause No: 228-2
 - Eff Date: 7-16-1993
 - Siting: Does Not Suspend Gen. Siting
- R649-3-11. Directional Drill

COMMENTS: See Separate File

STIPULATIONS: 1. Federal Approval

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)

September 25, 2008

Memorandum

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

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

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34098	Jonah Fed M-12-9-16 Sec 12 T09S R16E 2138 FSL 1765 FWL	BHL Sec 12 T09S R16E 2650 FNL 2650 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:9-25-08



September 22, 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
Jonah Federal M-12-9-16
Jonah Unit
UTU-72086A
Surface Hole: T9S R16E, Section 12: NESW
2138' FSL 1765' FWL
Bottom Hole: T9S R16E, Section 12
2650' FSL 2650' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated September 15, 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 Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

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

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

Sincerely,

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

Roxann Eveland
Land Associate

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. UTU-035521	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. Jonah Unit	
8. Lease Name and Well No. Jonah Federal M-12-9-16	
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 12, T9S R16E	
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximatley 17.7 miles southwest of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <small>Approx. 10' #/lse, 2630' #/unit</small>	16. No. of Acres in lease 240.00
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. <small>Approx. 1320'</small>	19. Proposed Depth 6040'
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5455' GL	22. Approximate date work will start* 1st Quarter 2009
23. Estimated duration <small>Approximately seven (7) days from spud to rig release.</small>	

24. Attachments

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

- | | |
|--|---|
| <ol style="list-style-type: none"> 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). | <ol style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized officer. |
|--|---|

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 9/15/08
Title Regulatory Specialist		

Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

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

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

*(Instructions on reverse)

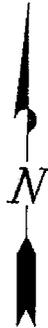
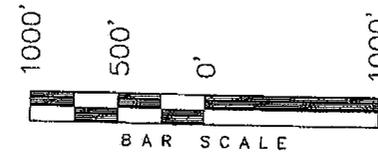
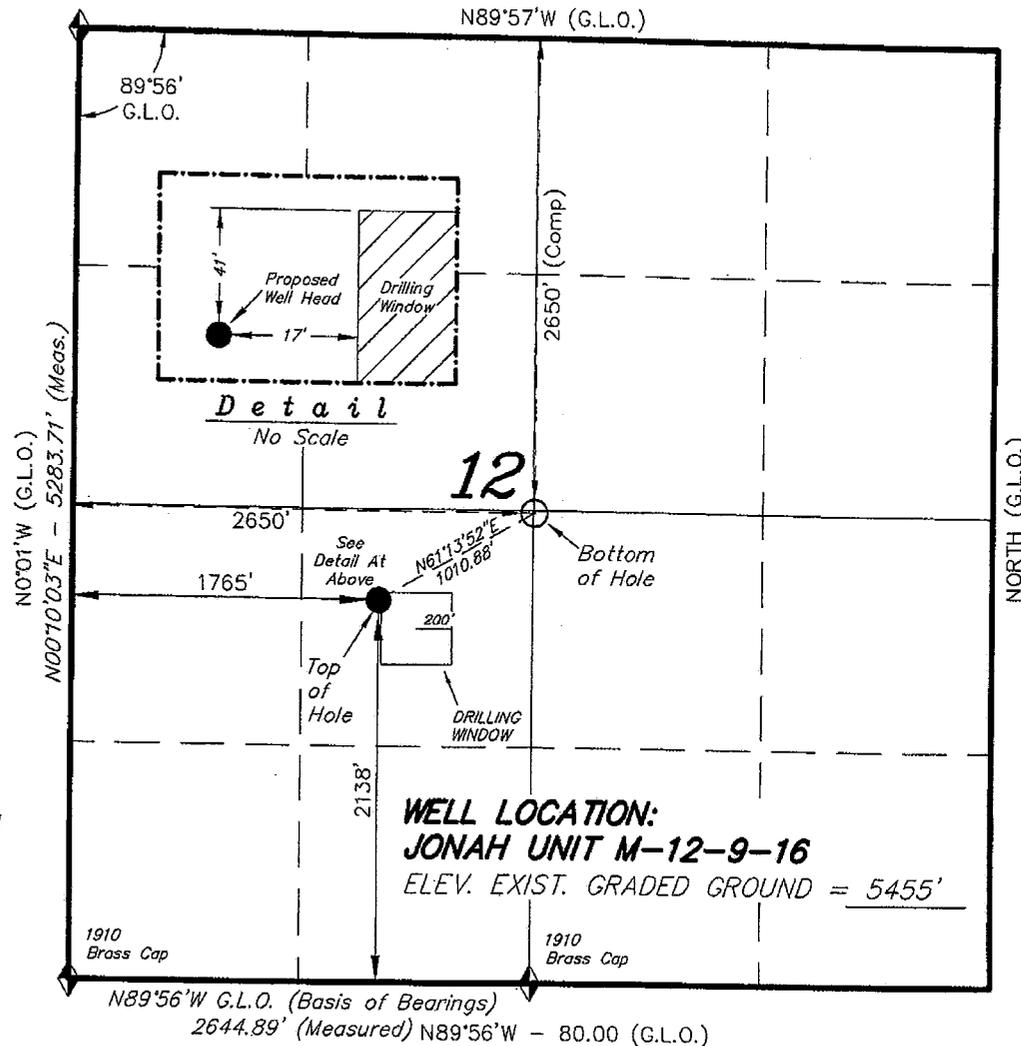
RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

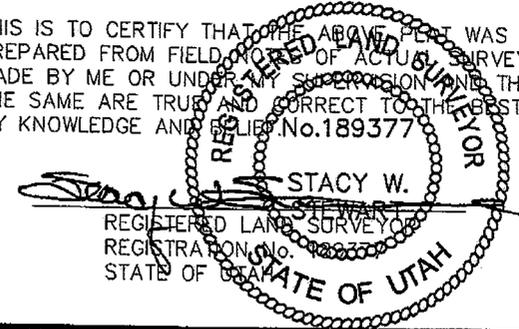
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT M-12-9-16,
 LOCATED AS SHOWN IN THE NE 1/4 SW
 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.

1910
 Brass Cap



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



WELL LOCATION:
JONAH UNIT M-12-9-16
 ELEV. EXIST. GRADED GROUND = 5455'

◆ = SECTION CORNERS LOCATED

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

JONAH UNIT M-12-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 38.27"
 LONGITUDE = 110° 04' 15.27"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 07-03-08	SURVEYED BY: T.H.
DATE DRAWN: 07-15-08	DRAWN BY: F.T.M.
REVISED: 08-06-08 F.T.M.	SCALE: 1" = 1000'

RECEIVED
 SEP 29 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

September 29, 2008

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

Re: Jonah Federal M-12-9-16 Well, Surface Location 2138' FSL, 1765' FWL, NE SW, Sec. 12, T. 9 South, R. 16 East, Bottom Location 2650' FNL, 2650' FWL, NE SW, Sec. 12, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34098.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Newfield Production Company
Well Name & Number Jonah Federal M-12-9-16
API Number: 43-013-34098
Lease: UTU-035521

Surface Location: NE SW Sec. 12 T. 9 South R. 16 East
Bottom Location: NE SW Sec. 12 T. 9 South R. 16 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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-035521
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: JONAH (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JONAH FED M-12-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013340980000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2138 FSL 1765 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 12 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE 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: 9/11/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

Newfield Production requests to extend the permit to drill this well for one more year.

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

Date: September 14, 2009

By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 9/11/2009	



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 43013340980000

API: 43013340980000

Well Name: JONAH FED M-12-9-16

Location: 2138 FSL 1765 FWL QTR NESW SEC 12 TWNP 090S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 9/29/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or 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: 9/11/2009

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

Date: September 14, 2009

By: 

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-035521

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.
JONAH M-12-9-16

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

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

9. AFI Well No.
43-013-34098

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

*BHL reviewed
by HSM*

10. Field and Pool or Exploratory
MONUMENT BUTTE

At surface 2138' FSL & 1765' FWL (NE/SW) SEC. 12, T9S, R16E (UTU-035521-A)

11. Sec., T., R., M., on Block and
Survey or Area
SEC. 12, T9S, R16E

At top prod. interval reported below 2509' FSL & 2438' FWL (NE/SW) SEC. 12, T9S, R16E (UTU-035521-A)

12. County or Parish 13. State

At total depth 2506' FNL & 2475' FWL (SW/NE) SEC. 12, T9S, R16E (UTU-035521)

DUCHESNE

UT

14. Date Spudded
03/30/2010

15. Date T.D. Reached
04/06/2010

16. Date Completed 04/28/2010
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5455' GL 5467' KB

18. Total Depth: MD 6170'
TVD 6038'

19. Plug Back T.D.: MD 6115'
TVD 5984'

20. Depth Bridge Plug Set: MD
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	320'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6161'		275 PRIMLITE		90'	
						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@ 5741'	TA @ 5642'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			5633-5686'	.36"	3	30
B) Green River			5025-5057'	.36"	3	21
C) Green River			4849-4905'	.36"	3	21
D) Green River			4174-4180'	.36"	3	18

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

Depth Interval	Amount and Type of Material
5633-5686'	Frac w/ 44698#'s 20/40 sand in 295 bbls of Lightning 17 fluid.
5025-5057'	Frac w/ 65112#'s 20/40 sand in 401 bbls of Lightning 17 fluid.
4849-4905'	Frac w/ 46724#'s 20/40 sand in 301 bbls of Lightning 17 fluid.
4174-4180'	Frac w/ 17164#'s 20/40 sand in 139 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
4-30-10	5-12-10	24	→	172	0	27			2-1/2" x 1-3/4" x 21' 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	

38a. 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 14 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	3666' 3882'
				GARDEN GULCH 2 POINT 3	4001' 4257'
				X MRKR Y MRKR	4535' 4571'
				DOUGALS CREEK MRK BI CARBONATE MRK	4705' 4949'
				B LIMESTON MRK CASTLE PEAK	5078' 5564'
				BASAL CARBONATE	6026'

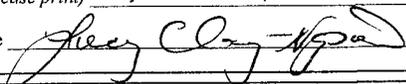
32. Additional remarks (include plugging procedure):

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

Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: 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 06/07/2010

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

JONAH M-12-9-16

Wellbore #1

Survey: Survey #1

Standard Survey Report

15 April, 2010



HATHAWAYBURNHAM

Survey Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

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

Site	SECTION 12, SEC 12 T9S, R16E				
Site Position:		Northing:	7,187,142.02ft	Latitude:	40° 2' 30.286 N
From:	Lat/Long	Easting:	2,041,496.20ft	Longitude:	110° 4' 2.413 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.92 °

Well	JONAH M-12-9-16, SHL LAT: 40 02 38.27. LONG: -110 04 15.27					
Well Position	+N/-S	0.0 ft	Northing:	7,187,933.71 ft	Latitude:	40° 2' 38.270 N
	+E/-W	0.0 ft	Easting:	2,040,483.55 ft	Longitude:	110° 4' 15.270 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/26/2008	11.66	65.87	52,572

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	61.05	

Survey Program	Date 4/15/2010				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
353.0	6,170.0	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
353.0	1.10	27.55	353.0	3.0	1.6	2.8	0.31	0.31	0.00
383.0	0.90	5.98	383.0	3.5	1.7	3.2	1.41	-0.67	-71.90
414.0	0.83	17.80	414.0	3.9	1.8	3.5	0.62	-0.23	38.13
445.0	0.13	44.17	445.0	4.2	1.9	3.7	2.31	-2.26	85.06
475.0	1.10	56.45	475.0	4.4	2.2	4.0	3.24	3.23	40.93
506.0	1.96	71.96	506.0	4.7	2.9	4.8	3.05	2.77	50.03
537.0	2.13	73.89	536.9	5.0	4.0	5.9	0.59	0.55	6.23
567.0	2.81	79.87	566.9	5.3	5.2	7.2	2.42	2.27	19.93
598.0	3.69	75.43	597.9	5.7	7.0	8.8	2.95	2.84	-14.32
628.0	4.09	87.08	627.8	6.0	9.0	10.7	2.95	1.33	38.83
659.0	4.53	85.25	658.7	6.1	11.3	12.9	1.49	1.42	-5.90
690.0	5.18	85.47	689.6	6.4	13.9	15.2	2.10	2.10	0.71



HATHAWAYBURNHAM

Survey Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
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	5.67	87.28	719.5	6.5	16.7	17.8	1.73	1.63	6.03
751.0	6.80	87.30	750.3	6.7	20.1	20.8	3.65	3.65	0.06
782.0	7.10	85.10	781.0	6.9	23.8	24.2	1.29	0.97	-7.10
812.0	8.10	80.80	810.8	7.4	27.8	27.9	3.83	3.33	-14.33
857.0	9.00	76.10	855.3	8.8	34.3	34.3	2.53	2.00	-10.44
903.0	10.00	74.60	900.6	10.7	41.7	41.6	2.24	2.17	-3.26
948.0	10.00	72.50	945.0	12.9	49.2	49.3	0.81	0.00	-4.67
993.0	10.60	73.10	989.2	15.3	56.8	57.1	1.35	1.33	1.33
1,038.0	10.90	71.10	1,033.5	17.9	64.8	65.4	1.06	0.67	-4.44
1,084.0	11.20	71.00	1,078.6	20.8	73.2	74.1	0.65	0.65	-0.22
1,129.0	11.60	73.10	1,122.7	23.5	81.6	82.8	1.28	0.89	4.67
1,174.0	12.00	71.60	1,166.8	26.3	90.4	91.8	1.12	0.89	-3.33
1,220.0	11.90	68.10	1,211.8	29.6	99.3	101.2	1.59	-0.22	-7.61
1,265.0	12.20	68.20	1,255.8	33.1	108.0	110.5	0.67	0.67	0.22
1,310.0	12.90	65.90	1,299.7	36.9	117.0	120.3	1.91	1.56	-5.11
1,355.0	12.50	63.20	1,343.6	41.1	126.0	130.1	1.59	-0.89	-6.00
1,401.0	13.10	61.80	1,388.5	45.8	135.0	140.3	1.47	1.30	-3.04
1,446.0	13.00	60.50	1,432.3	50.7	143.9	150.5	0.69	-0.22	-2.89
1,491.0	12.90	57.40	1,476.1	55.9	152.6	160.6	1.56	-0.22	-6.89
1,582.0	11.50	57.10	1,565.1	66.3	168.7	179.8	1.54	-1.54	-0.33
1,673.0	10.70	55.20	1,654.4	76.1	183.3	197.2	0.97	-0.88	-2.09
1,763.0	9.30	55.80	1,743.0	84.9	196.2	212.8	1.56	-1.56	0.67
1,854.0	8.20	59.40	1,833.0	92.4	207.8	226.6	1.35	-1.21	3.96
1,944.0	9.10	69.20	1,921.9	98.2	220.0	240.0	1.92	1.00	10.89
2,035.0	9.54	68.86	2,011.7	103.4	233.8	254.6	0.49	0.48	-0.37
2,126.0	10.20	67.60	2,101.4	109.2	248.3	270.1	0.76	0.73	-1.38
2,216.0	11.80	63.60	2,189.7	116.4	263.9	287.2	1.97	1.78	-4.44
2,307.0	11.50	57.80	2,278.9	125.3	279.9	305.6	1.33	-0.33	-6.37
2,398.0	12.10	55.20	2,367.9	135.6	295.4	324.1	0.88	0.66	-2.86
2,488.0	11.90	50.30	2,456.0	146.9	310.3	342.6	1.15	-0.22	-5.44
2,579.0	12.40	50.20	2,544.9	159.2	325.0	361.4	0.55	0.55	-0.11
2,669.0	14.00	54.70	2,632.6	171.6	341.3	381.7	2.11	1.78	5.00
2,760.0	17.20	57.10	2,720.2	185.3	361.6	406.1	3.59	3.52	2.64
2,851.0	17.20	54.80	2,807.1	200.4	383.9	432.9	0.75	0.00	-2.53
2,941.0	15.53	55.99	2,893.5	214.8	404.7	458.1	1.89	-1.86	1.32
3,032.0	15.07	57.11	2,981.3	228.0	424.8	482.1	0.60	-0.51	1.23
3,122.0	14.61	57.46	3,068.2	240.5	444.2	505.1	0.52	-0.51	0.39
3,213.0	15.49	58.54	3,156.1	253.0	464.2	528.7	1.01	0.97	1.19
3,303.0	15.01	59.11	3,243.0	265.3	484.5	552.3	0.56	-0.53	0.63
3,393.0	15.36	61.59	3,329.8	276.9	504.9	575.9	0.82	0.39	2.76
3,484.0	15.14	61.13	3,417.6	288.4	526.0	599.8	0.28	-0.24	-0.51
3,574.0	13.67	60.60	3,504.8	299.3	545.5	622.2	1.64	-1.63	-0.59
3,665.0	13.07	59.67	3,593.3	309.8	563.8	643.3	0.70	-0.66	-1.02
3,756.0	11.87	58.69	3,682.2	319.8	580.6	662.9	1.34	-1.32	-1.08
3,846.0	12.66	62.56	3,770.1	329.2	597.3	682.0	1.27	0.88	4.30
3,937.0	14.30	64.51	3,858.6	338.6	616.3	703.2	1.87	1.80	2.14
4,027.0	14.50	59.83	3,945.8	349.1	636.1	725.6	1.31	0.22	-5.20
4,118.0	13.43	59.19	4,034.1	360.2	655.0	747.5	1.19	-1.18	-0.70
4,209.0	13.14	60.53	4,122.7	370.7	673.1	768.4	0.46	-0.32	1.47
4,299.0	13.14	61.30	4,210.3	380.6	691.0	788.9	0.19	0.00	0.86
4,390.0	12.30	59.90	4,299.1	390.5	708.4	808.9	0.98	-0.92	-1.54
4,480.0	12.90	60.00	4,386.9	400.3	725.4	828.5	0.67	0.67	0.11
4,571.0	12.70	58.50	4,475.6	410.6	742.7	848.7	0.43	-0.22	-1.65
4,661.0	12.30	59.80	4,563.5	420.6	759.5	868.1	0.54	-0.44	1.44



HATHAWAYBURNHAM

Survey Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 12
Well: JONAH M-12-9-16
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well JONAH M-12-9-16
TVD Reference: M-12-9-16 @ 5467.0ft
MD Reference: M-12-9-16 @ 5467.0ft
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)
4,752.0	11.90	58.90	4,652.5	430.3	775.9	887.2	0.49	-0.44	-0.99
4,843.0	12.30	60.10	4,741.5	440.0	792.3	906.3	0.52	0.44	1.32
4,933.0	13.40	60.00	4,829.2	450.0	809.7	926.3	1.22	1.22	-0.11
5,024.0	12.00	62.40	4,918.0	459.6	827.2	946.3	1.64	-1.54	2.64
5,114.0	12.50	63.70	5,005.9	468.3	844.2	965.4	0.63	0.56	1.44
5,205.0	12.30	64.31	5,094.8	476.9	861.8	984.9	0.26	-0.22	0.67
5,296.0	12.06	64.29	5,183.8	485.2	879.1	1,004.1	0.26	-0.26	-0.02
5,386.0	11.76	62.62	5,271.8	493.5	895.7	1,022.6	0.51	-0.33	-1.86
5,477.0	12.19	57.00	5,360.8	503.0	912.0	1,041.5	1.37	0.47	-6.18
5,568.0	12.68	61.28	5,449.7	513.0	928.8	1,061.0	1.15	0.54	4.70
5,658.0	14.63	63.63	5,537.2	522.8	947.6	1,082.3	2.25	2.17	2.61
5,749.0	13.62	62.45	5,625.4	532.9	967.4	1,104.5	1.15	-1.11	-1.30
5,840.0	12.44	58.80	5,714.1	542.9	985.3	1,125.0	1.58	-1.30	-4.01
5,930.0	12.30	58.51	5,802.0	552.9	1,001.8	1,144.2	0.17	-0.16	-0.32
6,021.0	10.90	60.70	5,891.1	562.2	1,017.5	1,162.5	1.61	-1.54	2.41
6,112.0	9.90	59.50	5,980.6	570.4	1,031.8	1,179.0	1.12	-1.10	-1.32
6,118.0	9.80	58.60	5,986.5	570.9	1,032.7	1,180.0	3.06	-1.67	-15.00
6,170.0	9.80	58.60	6,037.8	575.5	1,040.2	1,188.8	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD



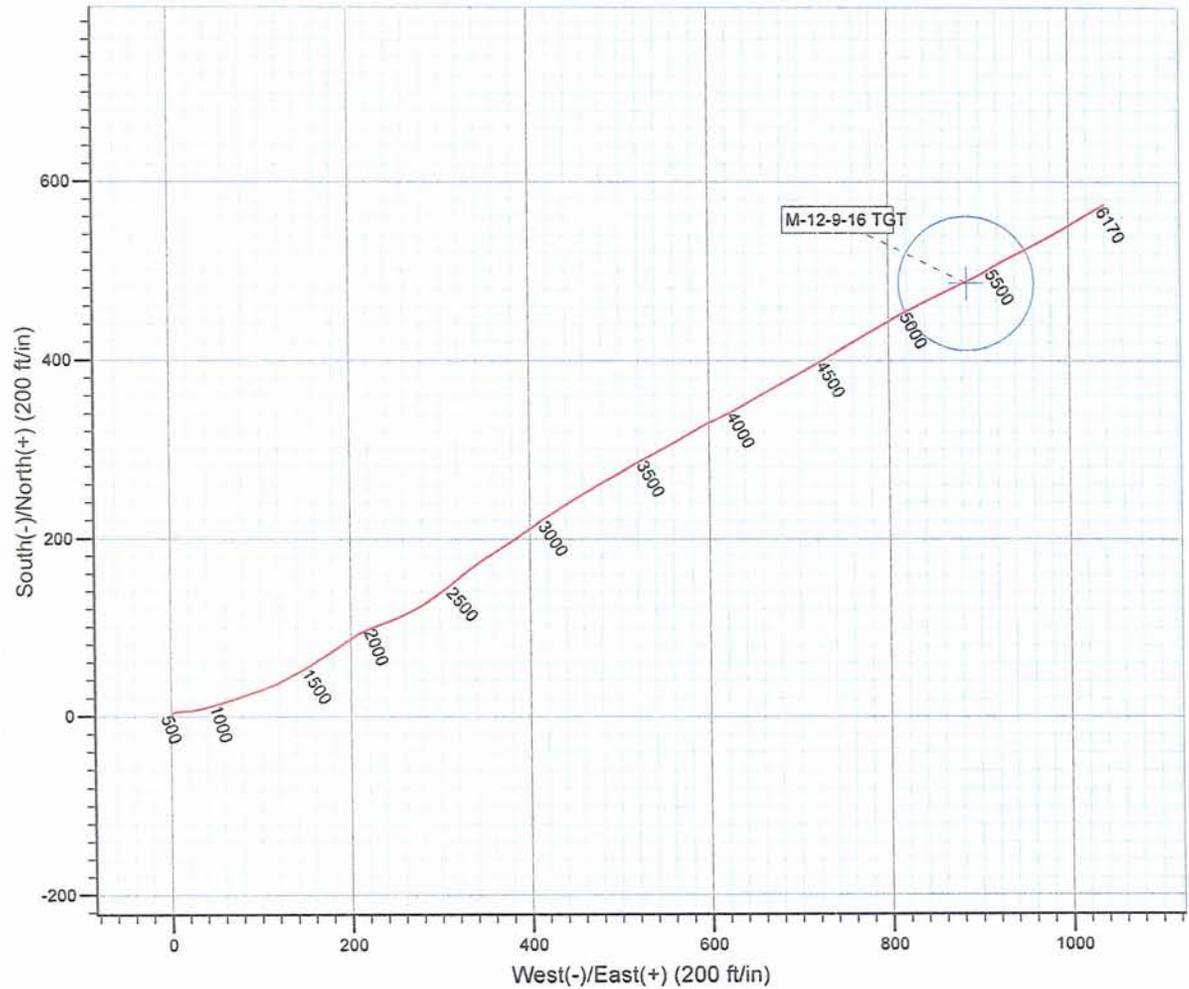
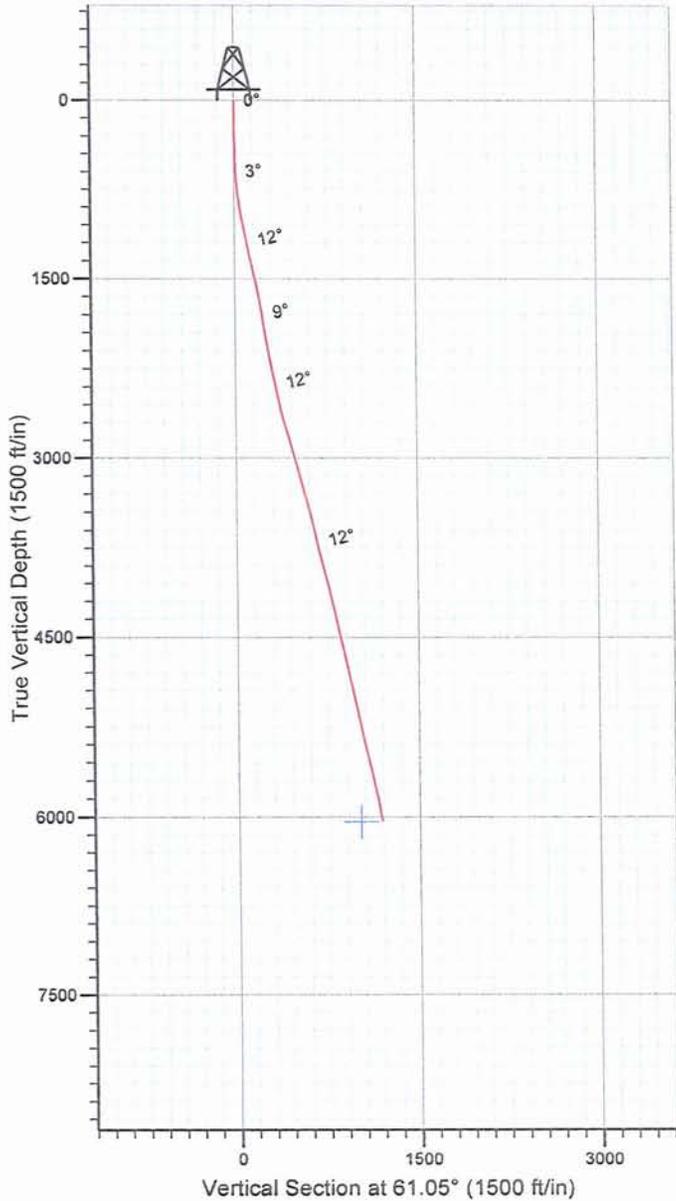
Project: USGS Myton SW (UT)
 Site: SECTION 12
 Well: JONAH M-12-9-16
 Wellbore: Wellbore #1
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.66°

Magnetic Field
 Strength: 52571.8snT
 Dip Angle: 65.87°
 Date: 8/26/2008
 Model: IGRF200510



Survey: Survey #1 (JONAH M-12-9-16/Wellbore #1)

Created By: *Jim Hudson* Date: 10:21, April 15 2010

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

Daily Activity Report

Format For Sundry

JONAH M-12-9-16
2/1/2010 To 6/30/2010

JONAH M-12-9-16

Waiting on Cement

Date: 4/1/2010

Ross #21 at 320. Days Since Spud - On 3/31/10 Cemented 8 5/8" Casing W/ BJ, Pumped 160 sks of Class "G" - Spud on 3/30/10 W/ Ross # 21 @ 8:00 AM, Drilled 320' of 12 1/4" hole . - Run 7 Jts 8 5/8" csg (Guide Shoe, shoe jt, baffle plate, 6jts) Set @ 320.49KB - +2% CaCl+.25#sk Cello Flake Mixed @ 15.8ppg W/1.17 yield, Returned 4 bbls to pit

Daily Cost: \$0

Cumulative Cost: \$43,979

JONAH M-12-9-16

Drill 7 7/8" hole with fresh water

Date: 4/4/2010

Capstar #328 at 803. 1 Days Since Spud - R/U B&C Quickest, test Kellyy, TIW valve, choke, pipe & blind rams to 2000#/10min. Test Annular 1500# - Nipple up BOP - Move Rig 2.2 milesw/ Howcroft trucking and rig up - Slip on new spool of drill line - P/U MI616/.33M.M/ NMDC and directional tools and HWDP and Tag cement @ 285' - Drill 7 7/8" hole F/ 285' to 803' w/ 12K WOB, TRPM-190, GPM-416, Avg ROP- 115 ft/hr - No H2S or flow reported in last 24 hours - Test Surface Casing to 1500# for 30 minutes.

Daily Cost: \$0

Cumulative Cost: \$72,089

JONAH M-12-9-16

Drill 7 7/8" hole with fresh water

Date: 4/5/2010

Capstar #328 at 4397. 2 Days Since Spud - Drill 7 7/8" hole f/ 2903' to 4397' w/ 20K WOB, TRPM-184, GPM-409, Avg ROP-120 ft/hr - Rig Service, check crownomatic and BOP, - Drill 7 7/8" hole f/ 803' to 2903' w/ 18K WOB, TRPM-184, GPM-412, Avg ROP-190 ft/hr - No H2S or flow in last 24 hours

Daily Cost: \$0

Cumulative Cost: \$114,419

JONAH M-12-9-16

Drill 7 7/8" hole with fresh water

Date: 4/6/2010

Capstar #328 at 6028. 3 Days Since Spud - Drill 7 7/8" hole f/ 4396 to 5257' WOB 18/20 RPMS= 184 GPM= 409 ROP= 86' pr hr - No H2S in the last 24 hrs - Drill 7 7/8" hole f/ 5257' to 6028' WOB 18/20 RPMS= 184 GPM= 409 ROP= 57' pr hr - Rig serv

Daily Cost: \$0

Cumulative Cost: \$150,544

JONAH M-12-9-16

Rigging down

Date: 4/7/2010

Capstar #328 at 6170. 4 Days Since Spud - Run 141 jts of J55 15.5# LT&C casing Shoe depth= 6160.80' Float Coller= 6115.70' & - 24 hr notice was sent to BLM & State - Displaced w/145.6 bbls & 35 bbls cmt returned to pit bumped plug to 2300 psi & Rig down BJ - 400 sks of tail cmt mixed @ 14.4 PPG & 1.24 yeild 50:50:2+3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L - +3%KCL+5#CSE+0.5#CF+5#KOL+.5SMS+FP+SF - Hold saftey mtg with BJ & RU & PSI test to 3800 & Cement w/ 275 sks of lead 11 ppg & 3.53 yeild PLII - Circ for cement job - Transferred 4 jts to the South Monumont Butte State V-2-9-16

(175.31') - Clean mud pits - RU to run 5.5 casing - & Duel Guard Log Gamma Ray (Loggers depth= 7172') - Hold saftey mtg & RU & log with Phoenix Survey Inc Compensated Density Compensated Neutron Gamma Ray - LDDP & BHA - Circ for lay down - Drill 77/8" hole f/ 6028' to 6170' WOB = 20 RPMS= 184 GPM= 409 ROP= 142' pr hr - Nipple down & set 5.5 casing slips w/ 80,000#s

Daily Cost: \$0

Cumulative Cost: \$279,257

JONAH M-12-9-16

Rigging down

Date: 4/8/2010

Capstar #328 at 6170. 5 Days Since Spud - Clean mud pits - Release rig @ 07:00 AM on 4/7/10 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$280,127

Pertinent Files: Go to File List