



November 13, 2007

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

RE: Directional Drilling
Jonah Federal M-14-9-16
Jonah Unit
UTU-72086A
Surface Hole: T9S R16E, Section 14: SE/4NW/4
1878' FNL 1949' FWL
Bottom Hole: T9S R16E, Section 14: SE/4NW/4
2644' FNL 2626' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated October 26, 2007, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Federal 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
NOV 16 2007
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

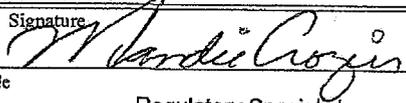
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No. UTU-096547	
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-14-9-16	
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 14, T9S R16E	
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximately 20.2 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) <i>Approx. 2626' ft/le, 2654' ft/unit</i>	16. No. of Acres in lease 600.00
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. 1465'	19. Proposed Depth 5975'
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5589' GL	22. Approximate date work will start* 1st Quarter 2008
23. Estimated duration <i>Approximately seven (7) days from spud to rig release.</i>	

24. Attachments

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

- 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 	Name (Printed/Typed) Mandie Crozier	Date 10/26/07
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

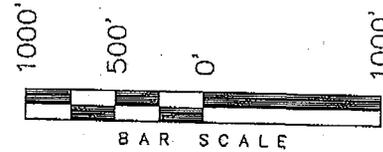
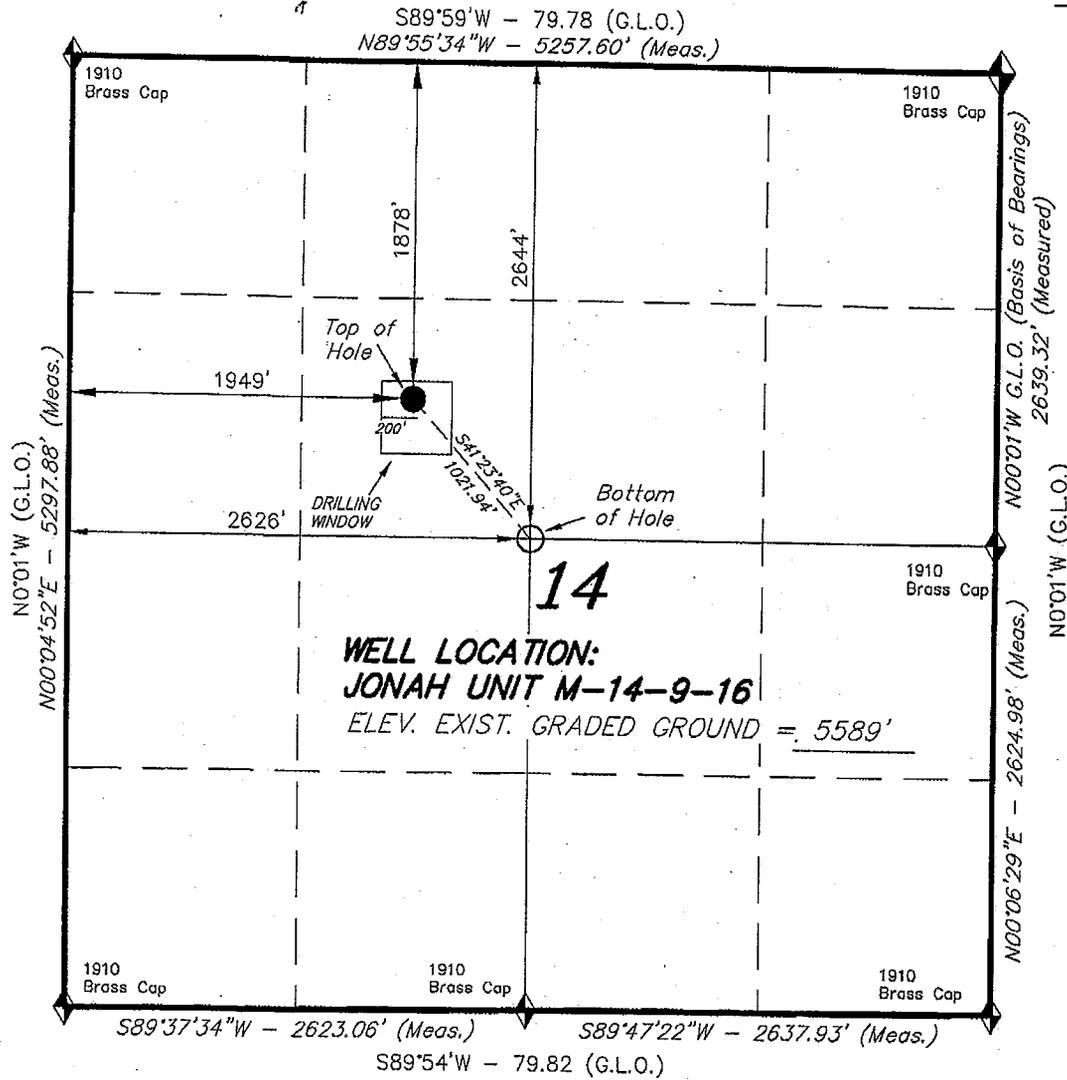
*(Instructions on reverse)

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NOV 16 2007
DIV. OF OIL, GAS & MINING

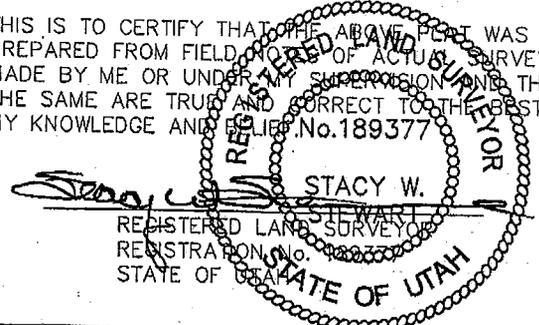
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT M-14-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NW
 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.



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



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

JONAH UNIT M-14-9-16
 (Surface Location) NAD 83
 LATITUDE = $40^{\circ} 01' 58.62''$
 LONGITUDE = $110^{\circ} 05' 20.82''$

TRI STATE LAND SURVEYING & CONSULTING 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 08-15-07	SURVEYED BY: T.H.
DATE DRAWN: 09-12-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

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

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UTU-096547

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N/A

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

8. Lease Name and Well No.
Jonah Federal M-14-9-16

9. API Well No.
43-013-33812

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 14, 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 SE/NW 1878' FNL 1949' FWL
At proposed prod. zone SE/NW 2644' FNL 2626' FWL

14. Distance in miles and direction from nearest town or post office*
Approximatley 20.2 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. 2626' f/ise, 2654' f/unit
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- 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: 10/26/07

Title: Regulatory Specialist

Approved by (Signature): *Bradley G. Hill* Name (Printed/Typed): BRADLEY G. HILL Date: 11-29-07

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.
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*(Instructions on reverse)

See F

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4431597 Y
40.032901
-110.085399

Bill
5779884
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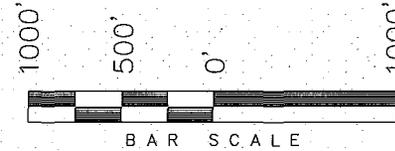
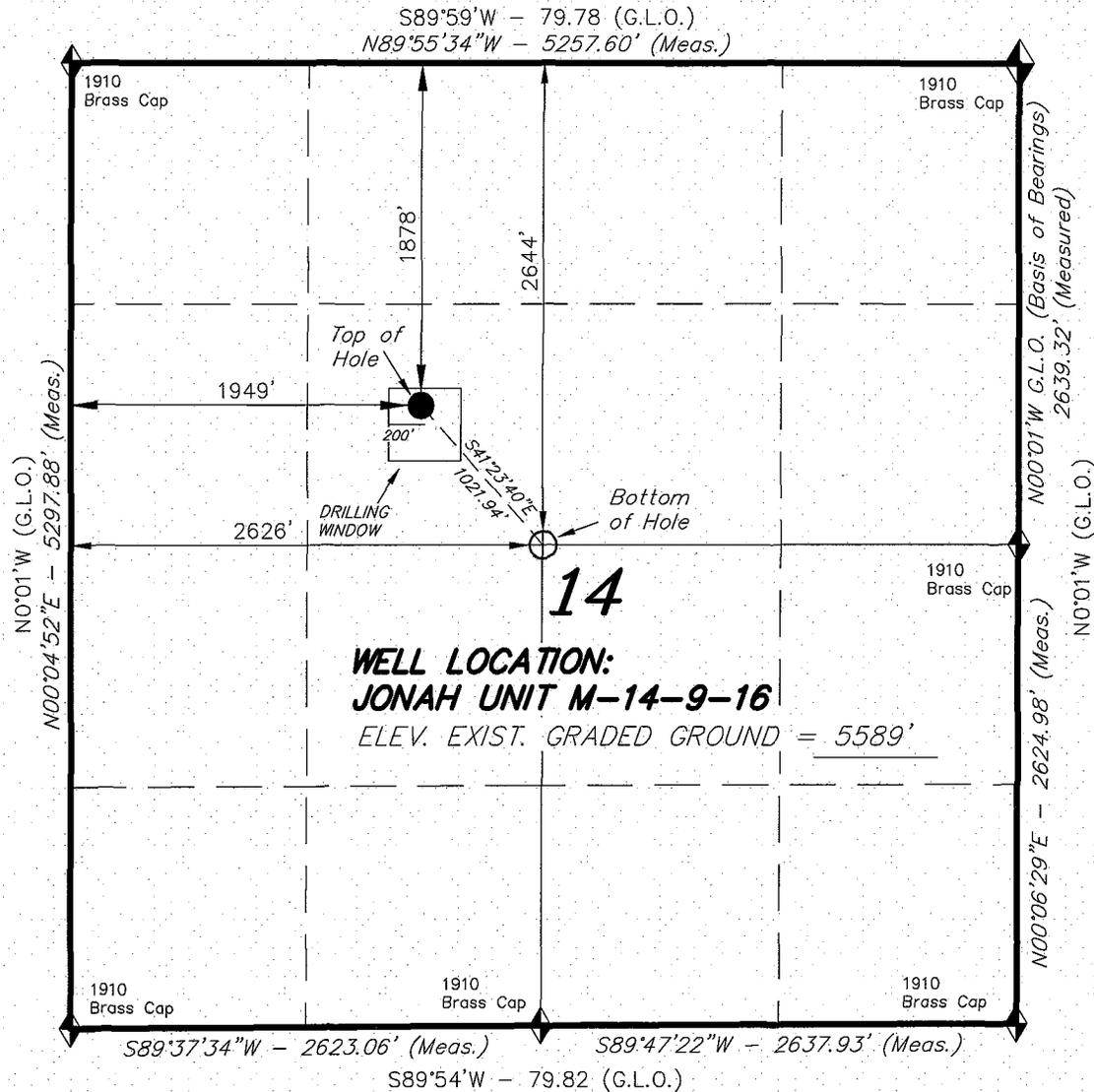
Federal Approval of this
Action is Necessary

RECEIVED
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DIV. OF OIL, GAS & MINING

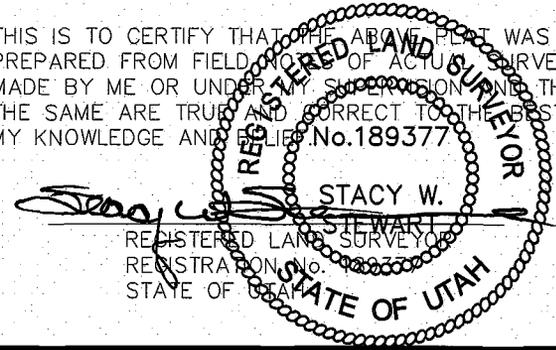
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NEWFIELD PRODUCTION COMPANY

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 LOCATED AS SHOWN IN THE SE 1/4 NW
 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
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TRI STATE LAND SURVEYING & CONSULTING
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DATE SURVEYED: 08-15-07	SURVEYED BY: T.H.
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NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL #M-14-9-16
AT SURFACE: SE/NW SECTION 14, 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' – 1995'
Green River	1995'
Wasatch	5975'

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

Green River Formation 1995' – 5975' - 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-14-9-16
AT SURFACE: SE/NW SECTION 14, 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-14-9-16 located in the SE 1/4 NW 1/4 Section 14, 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 southwesterly - 11.4 miles \pm to it's junction with an existing dirt road to the southeast; proceed southeasterly - 0.3 miles \pm to it's junction with an existing road to the north; proceed northeasterly - 4.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 1.5 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly 1.0 miles \pm to it's junction with the beginning of the access road to the existing Jonah 6-14-9-16 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 Jonah 6-14-9-16 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 Jonah 6-14-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal M-14-9-16. 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: 43-10136

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 Jonah Federal M-14-9-16 will be drilled off of the existing Jonah 6-14-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

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

Newfield Production Company requests 200' of disturbed area be granted in Lease UTU-096547 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May

15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Squirrell Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	2 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre

Details of the On-Site Inspection

The proposed Jonah Federal M-14-9-16 was on-sited on 10/18/07. The following were present; Dave Allred (Newfield Production), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management).. Weather conditions were clear and ground cover was 100% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

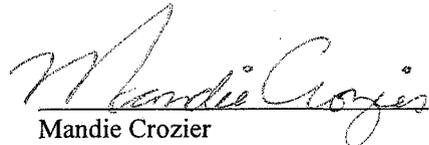
Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #M-14-9-16 SE/NW Section 14, Township 9S, Range 16E: Lease UTU-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

10/23/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

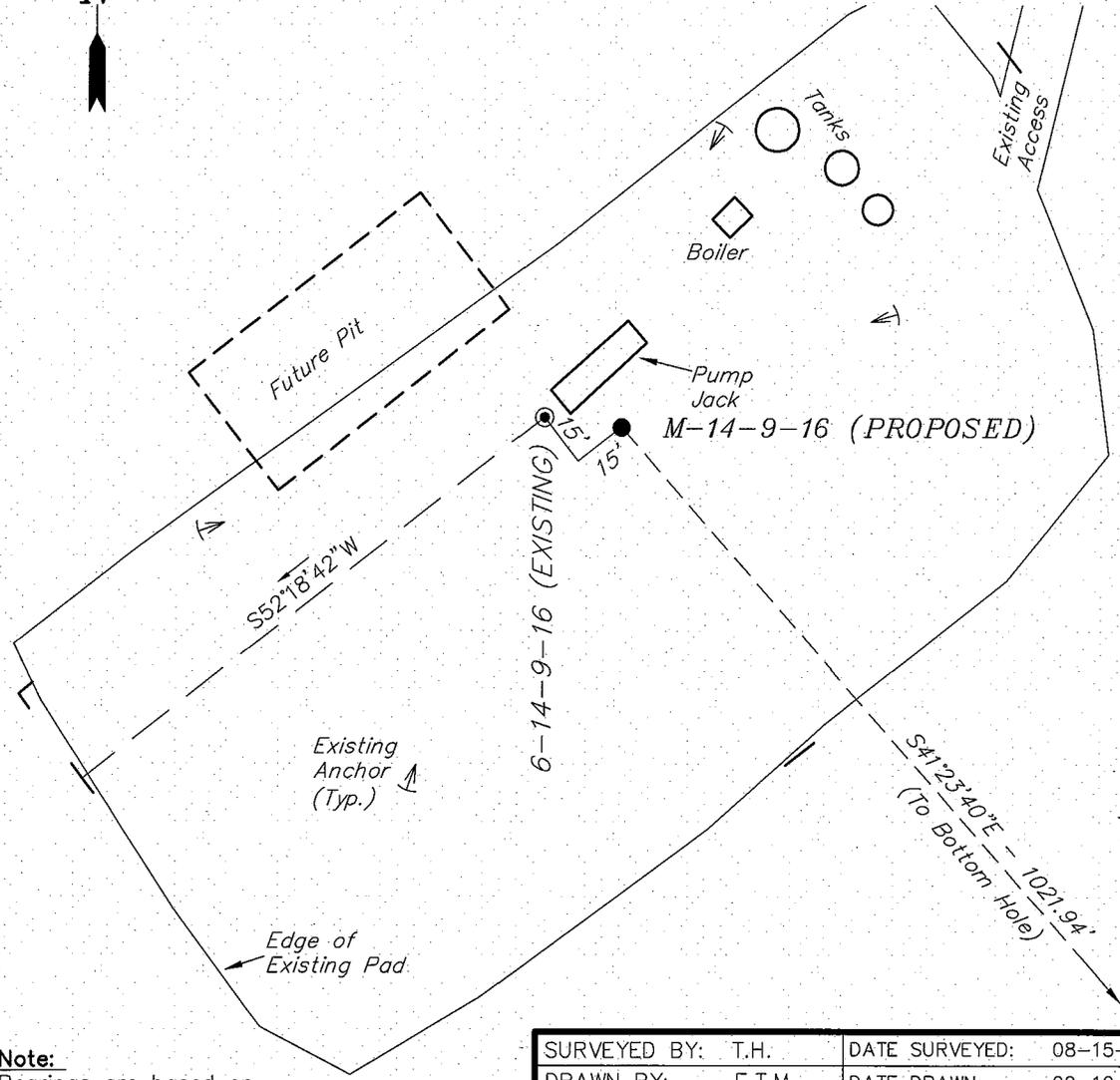
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (Existing Well)

Pad Location: SENW Section 14, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

M-14-9-16 (PROPOSED)
1878' FNL & 1949' FWL

BOTTOM HOLE FOOTAGES

M-14-9-16 (PROPOSED)
2644' FNL & 2626' FWL

RELATIVE COORDINATES

From top hole to bottom hole

WELL	NORTH	EAST
M-14-9-16	-767'	676'

LATITUDE & LONGITUDE

Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
M-14-9-16	40° 01' 58.62"	110° 05' 20.82"
6-14-9-16	40° 01' 58.59"	110° 05' 20.55"

Note:
Bearings are based on
G.P.S. observations.

SURVEYED BY: T.H.	DATE SURVEYED: 08-15-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-12-07
SCALE: 1" = 50'	REVISED:

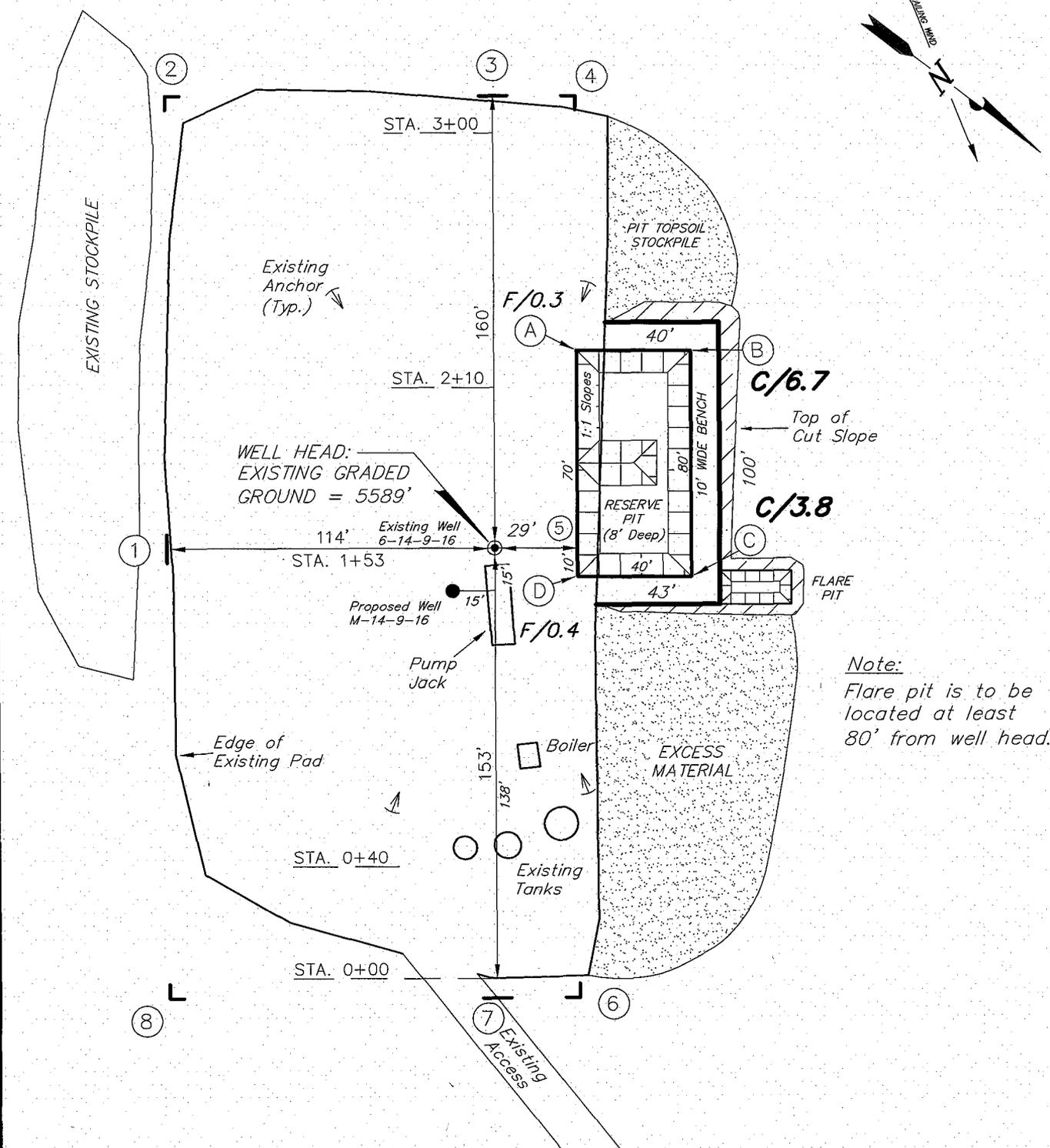
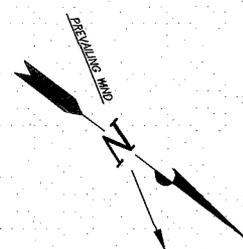
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (Existing Well)

Pad Location: SENW Section 14, T9S, R16E, S.L.B.&M.



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-15-07
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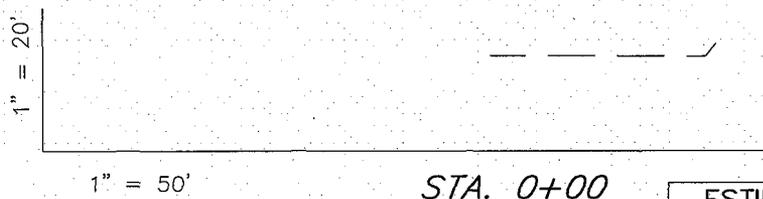
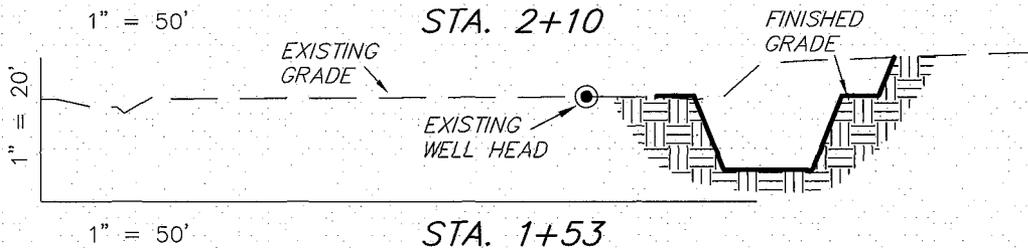
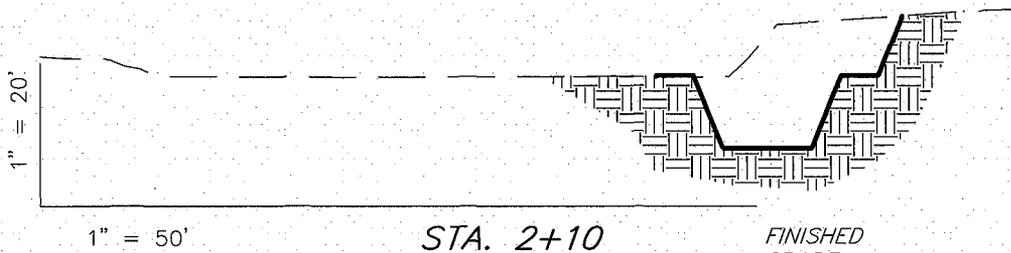
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NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (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	780	10	Topsoil is not included in Pad Cut	770
PIT	640	0		640
TOTALS	1,420	10	140	1,410

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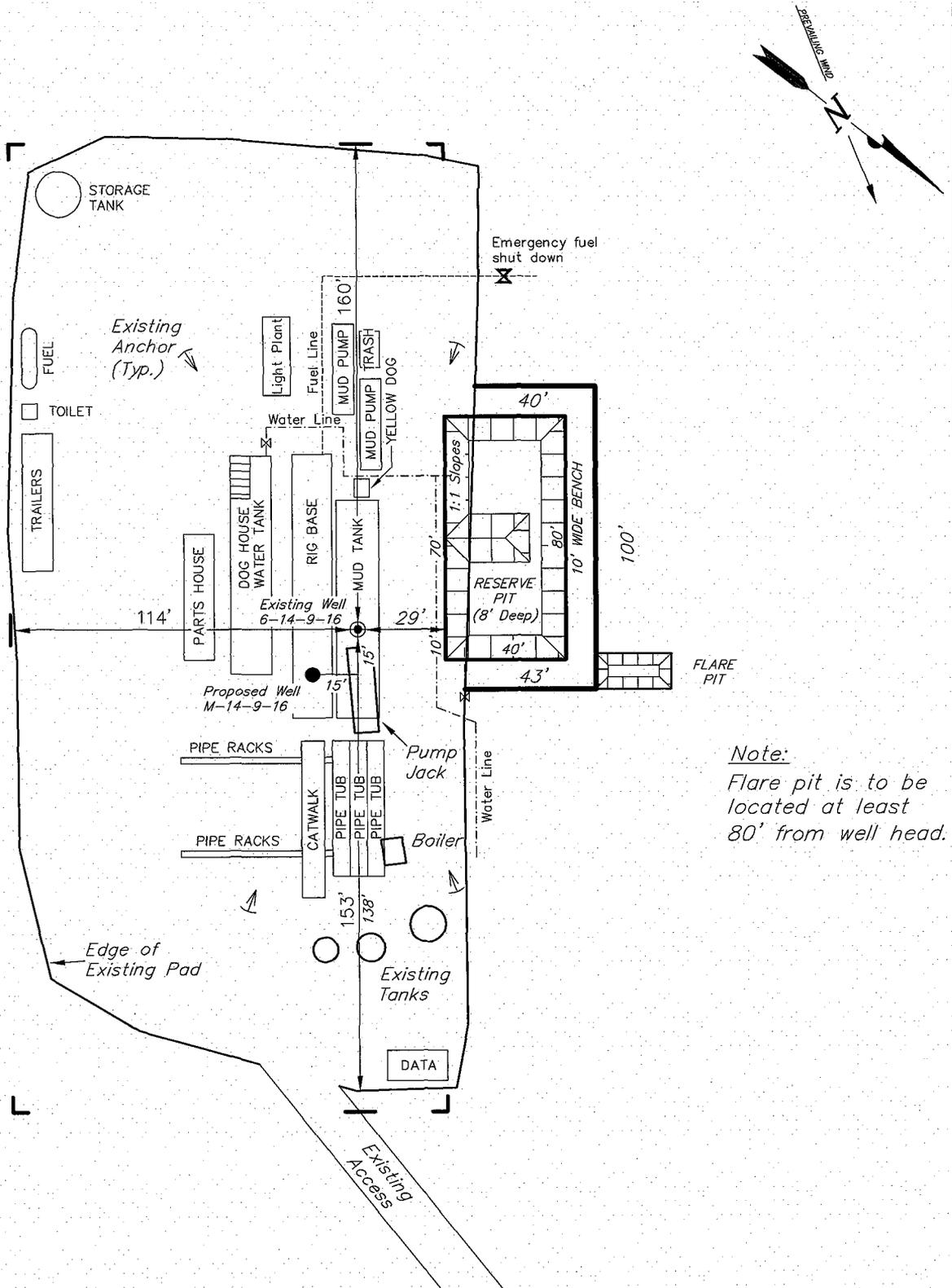
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NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

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JONAH UNIT 6-14-9-16 (Existing Well)



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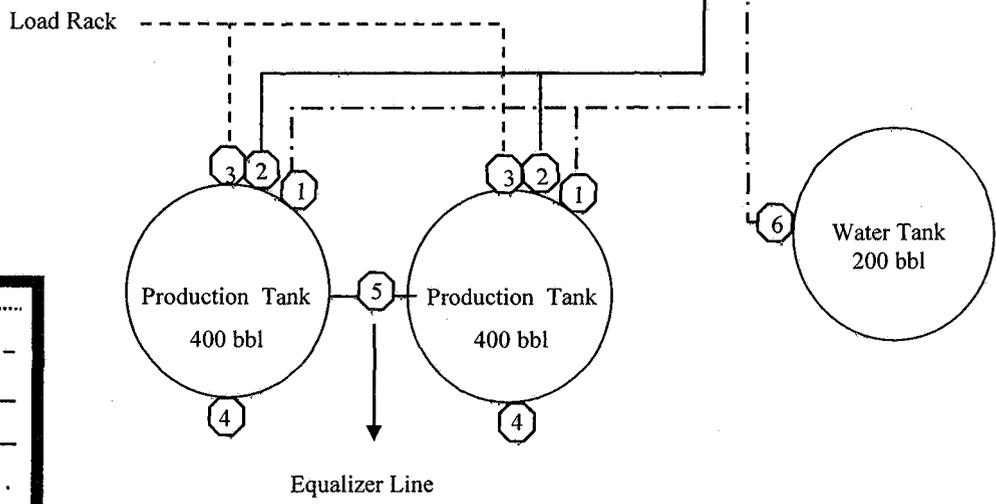
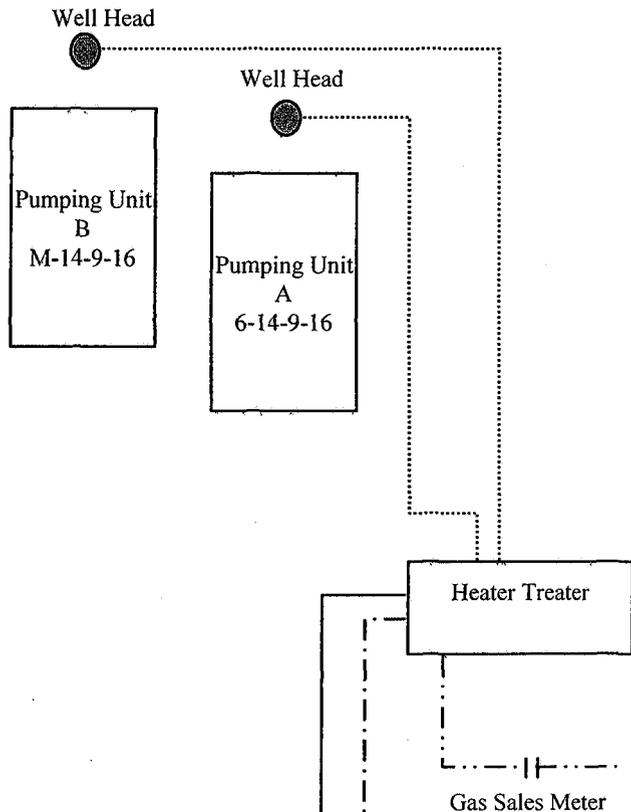
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 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Newfield Production Company Proposed Site Facility Diagram

Jonah Federal M-14-9-16
From the 6-14-9-16 Location
SE/NW Sec. 14 T9S, R16E
Duchesne County, Utah
UTU-096547

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

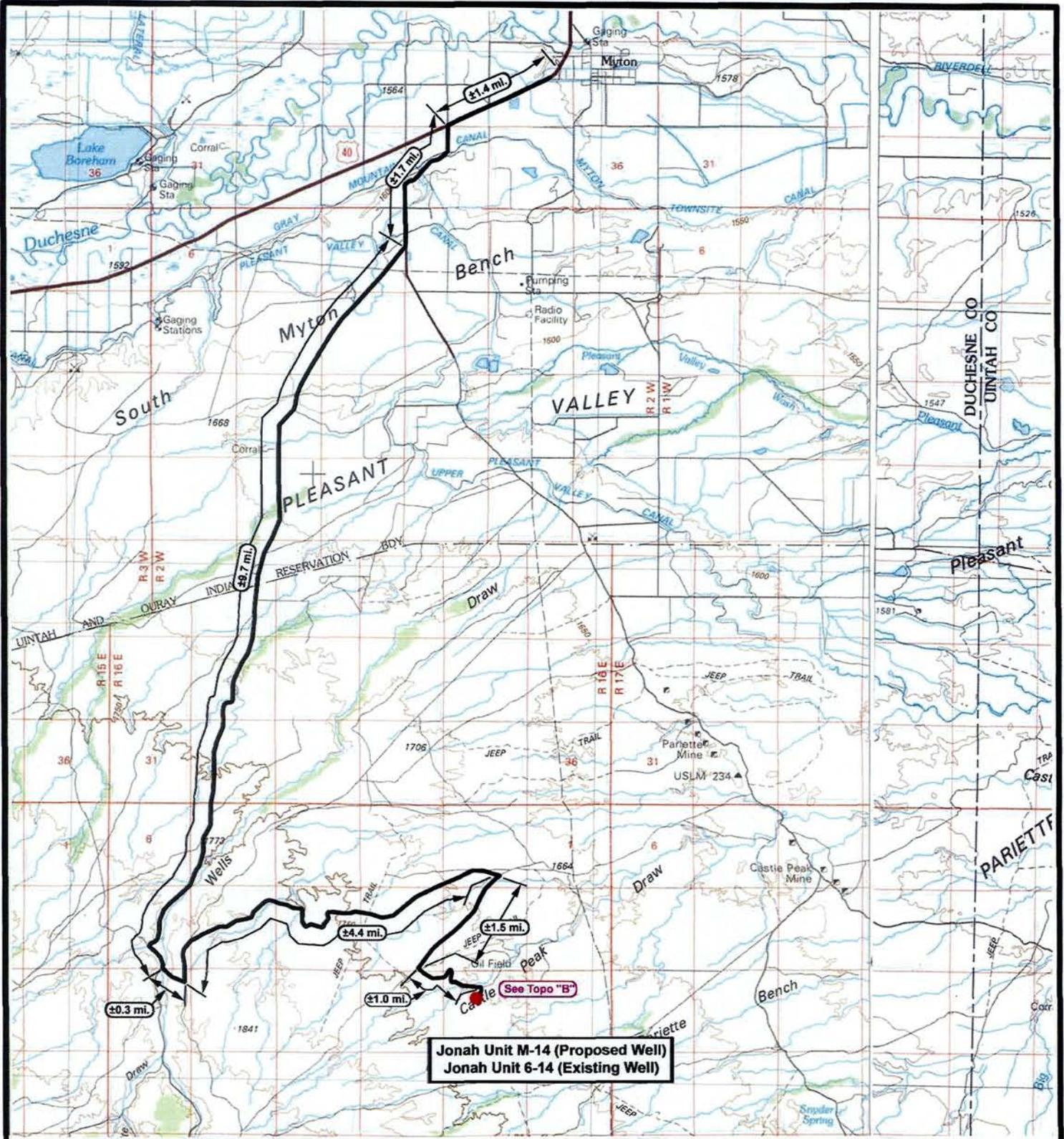
- Production Phase:**
- 1) Valves 1, 3, and 4 sealed closed
 - 2) Valves 2, 5 and 6 sealed open
- Sales Phase:**
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
 - 2) Valve 3 open
- Draining Phase:**
- 1) Valves 1 and 6 open



Legend

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

← 143' →



Jonah Unit M-14 (Proposed Well)
 Jonah Unit 6-14 (Existing Well)



NEWFIELD
 Exploration Company

Jonah Unit M-14-9-16 (Proposed Well)
Jonah Unit 6-14-9-16 (Existing Well)
 Pad Location: SENW SEC. 14, 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: mw

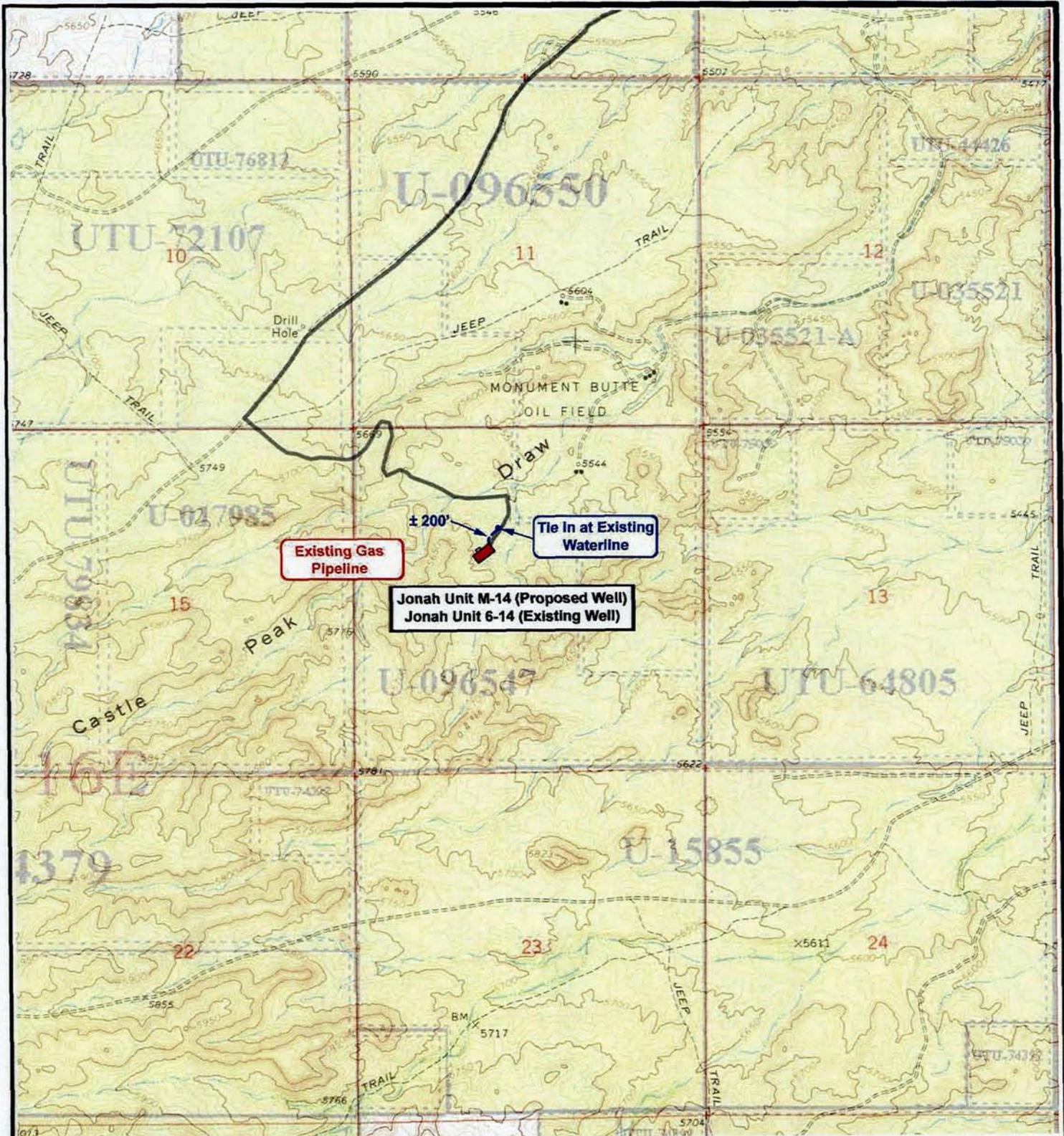
DATE: 09-20-2007

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

Jonah Unit M-14-9-16 (Proposed Well)
Jonah Unit 6-14-9-16 (Existing Well)
Pad Location: SENW SEC. 14, T9S, R16E, S.L.B.&M.



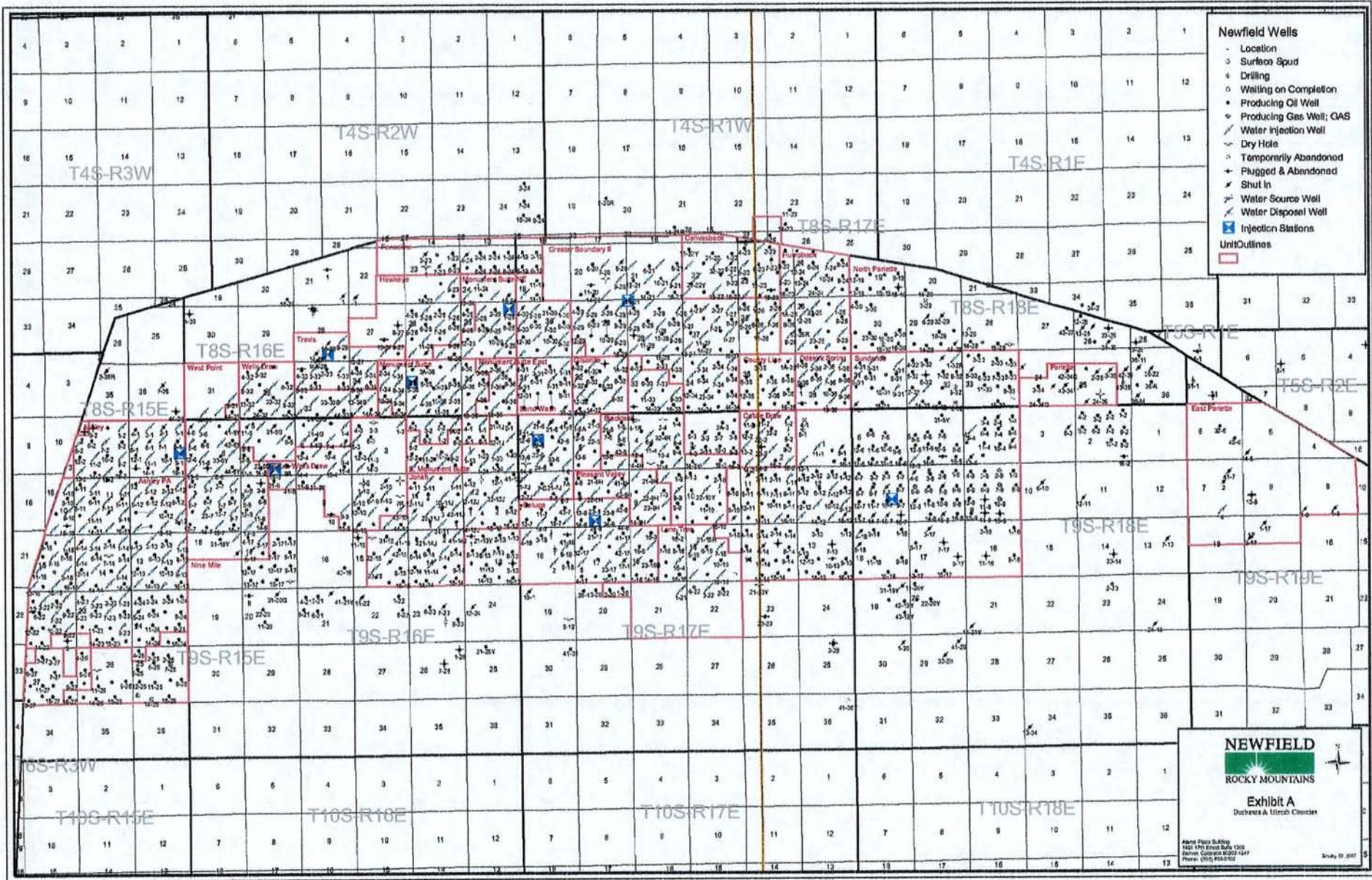
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 09-20-2007

Legend

- Roads
- Proposed Water Line

TOPOGRAPHIC MAP
"C"



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

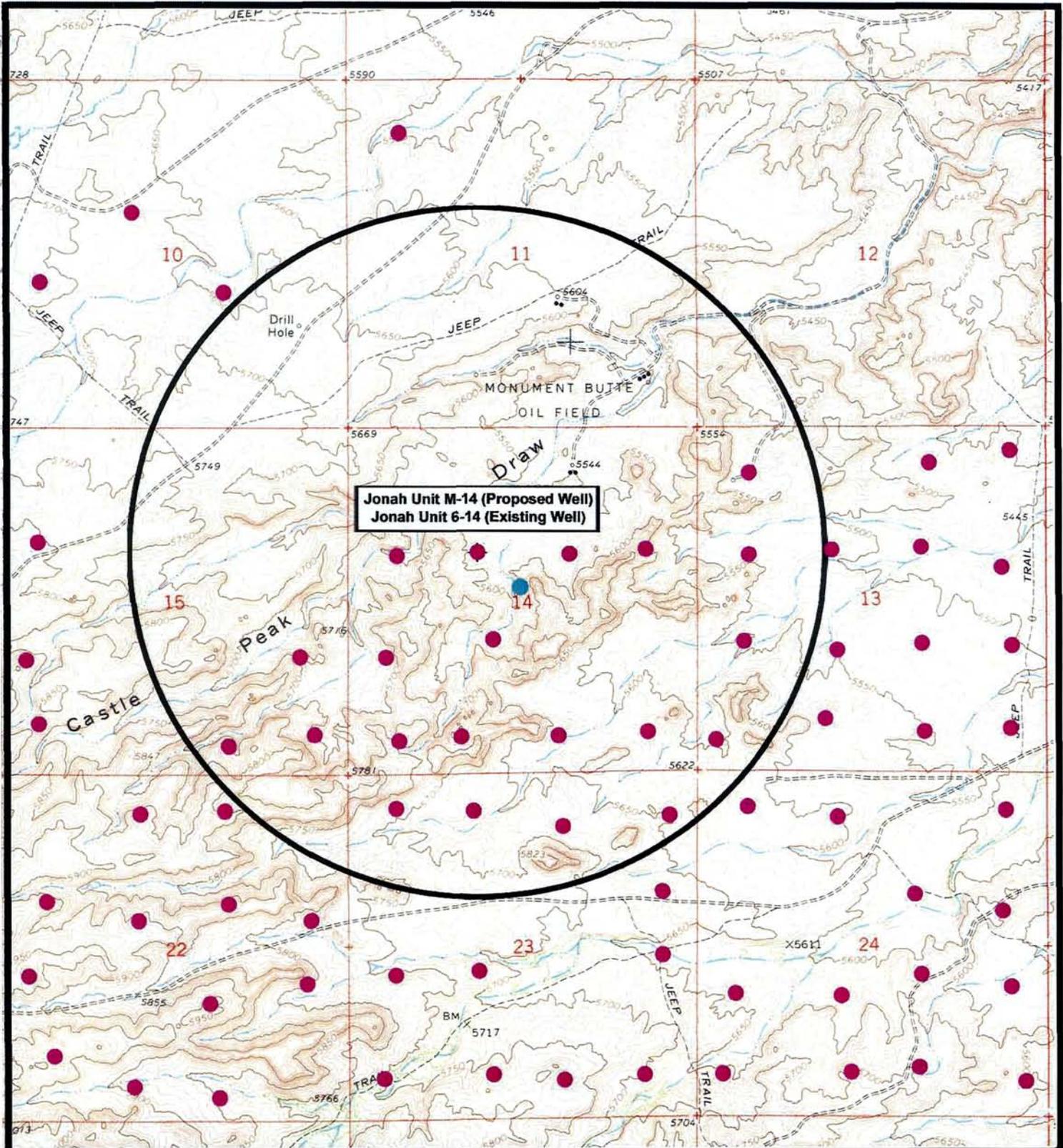
NEWFIELD
 ROCKY MOUNTAINS

Exhibit A
 Duchesne & Uintah Counties

Alpha Field 54699
 1621 17th Street Suite 1100
 Denver, Colorado 80202-1447
 Phone: (303) 433-0102

Scale: 1" = 100'

Survey: 11/2007



Jonah Unit M-14 (Proposed Well)
 Jonah Unit 6-14 (Existing Well)



NEWFIELD
 Exploration Company

Jonah Unit M-14-9-16 (Proposed Well)
Jonah Unit 6-14-9-16 (Existing Well)
 Pad Location: SENW SEC. 14, 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: mw
 DATE: 09-20-2007

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

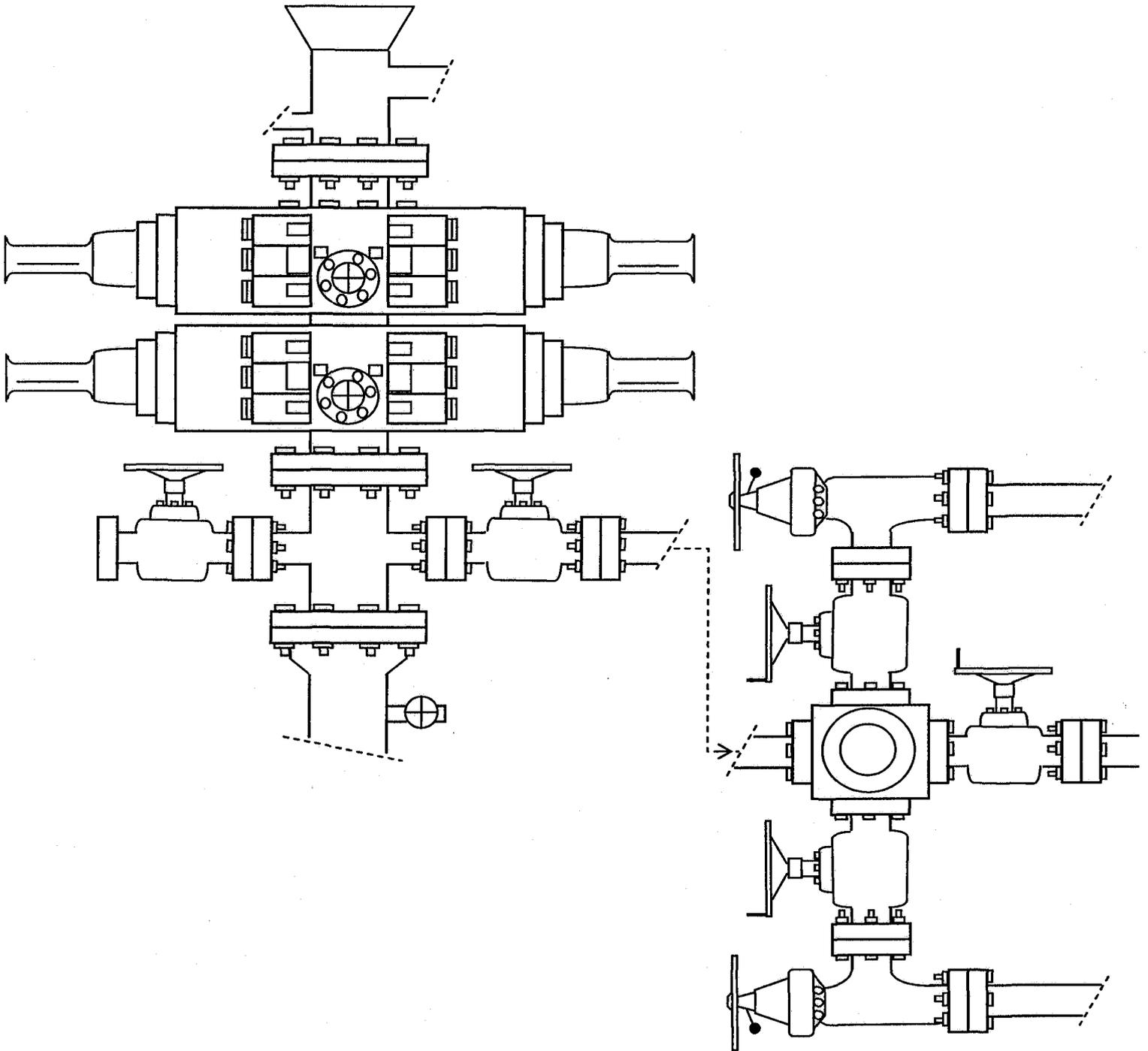


EXHIBIT C

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

By:

Keith R. Montgomery

Prepared For:

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

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 07-350

October 23, 2007

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

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

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

282

NEWFIELD EXPLORATION COMPANY

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

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

Duchesne County, Utah

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
October 30, 2007

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/20/2007

API NO. ASSIGNED: 43-013-33812

WELL NAME: JONAH FED M-14-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SENW 14 090S 160E
 SURFACE: 1878 FNL 1949 FWL
 BOTTOM: 2644 FNL 2626 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.03290 LONGITUDE: -110.0884
 UTM SURF EASTINGS: 577779 NORTHINGS: 4431597
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-096547
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

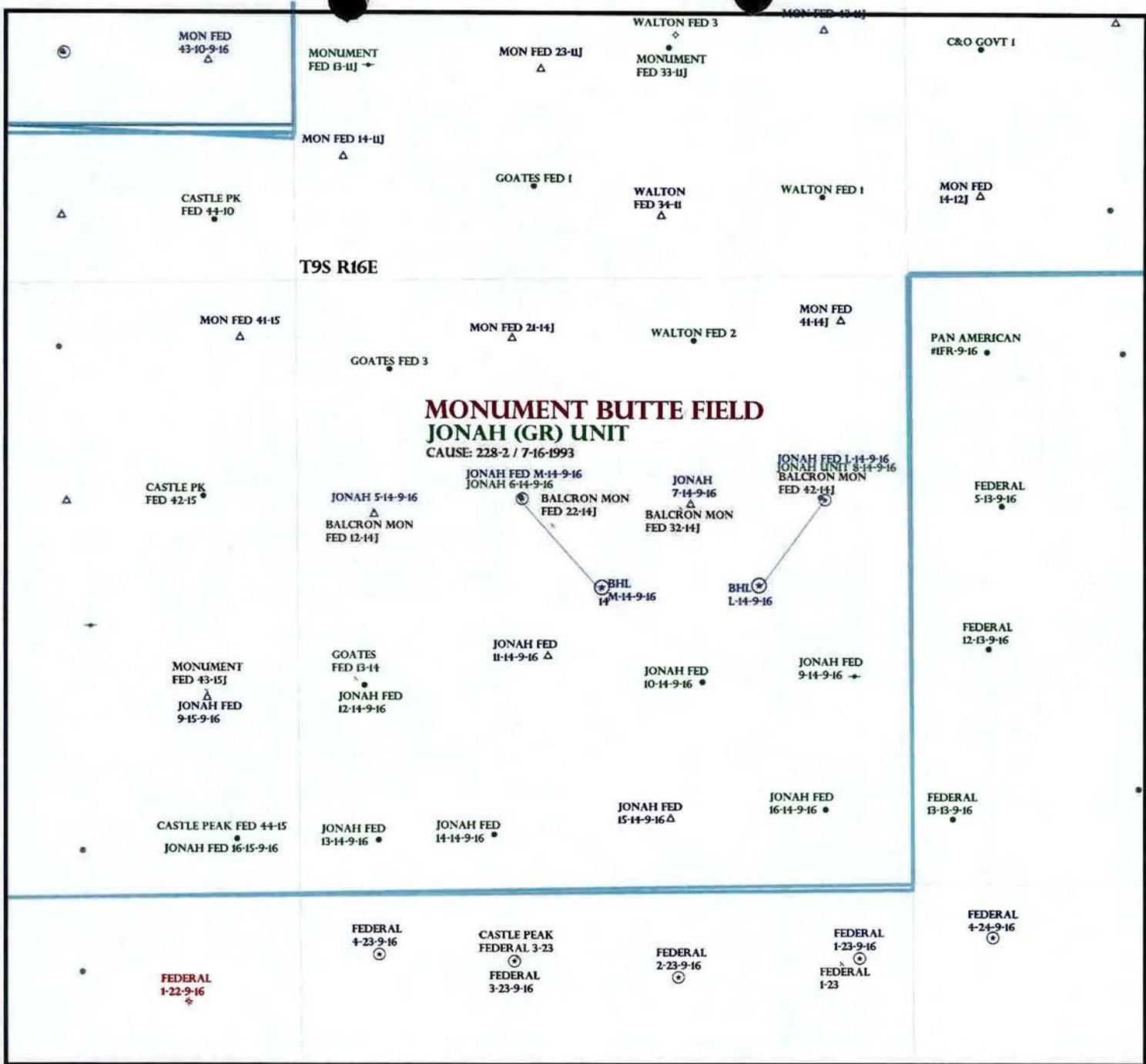
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB0000493)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-10136)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: 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 Susceed Gen. Siting
- R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval



**MONUMENT BUTTE FIELD
JONAH (GR) UNIT**
CAUSE: 228-2 / 7-16-1993

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 14 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-2 / 7-16-1993

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

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

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 29-NOVEMBER-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

November 29, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development 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 wells are planned for calendar year 2007 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33811	Jonah Fed L-14-9-16	Sec 14 T09S R16E 1913 FNL 0738 FEL BHL Sec 14 T09S R16E 2642 FNL 1318 FEL
43-013-33812	Jonah Fed M-14-9-16	Sec 14 T09S R16E 1878 FNL 1949 FWL BHL Sec 14 T09S R16E 2644 FNL 2626 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:11-29-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

November 29, 2007

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

Re: Jonah Federal M-14-9-16 Well, Surface Location 1878' FNL, 1949' FWL, SE NW, Sec. 14, T. 9 South, R. 16 East, Bottom Location 2644' FNL, 2626' FWL, SE NW, Sec. 14, 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 43-013-33812.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Newfield Production Company
Well Name & Number Jonah Federal M-14-9-16
API Number: 43-013-33812
Lease: UTU-096547

Surface Location: SE NW Sec. 14 T. 9 South R. 16 East
Bottom Location: SE NW Sec. 14 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-096547

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
JONAH

8. Well Name and No.
JONAH FEDERAL M-14-9-16

9. API Well No.
43-013-33812

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1878 FNL 1949 FWL SE/NW Section 14, T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Permit Extension
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

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

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 10/30/2008

Initials: VS

Date: 10/30/08

By: [Signature]

14. I hereby certify that the foregoing is true and correct
Signed [Signature] Title Regulatory Specialist Date 10/27/2008
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

RECEIVED

OCT 29 2008

DIV. OF OIL, GAS & MINING



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

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

API: 43-013-33812
Well Name: Jonah Federal M-14-9-16
Location: SE/NW Section 14, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 11/29/2007

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

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

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

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

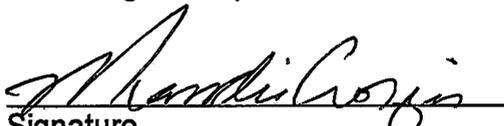
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

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

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

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


Signature

10/27/2008
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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

Form 3160-3
(September 2001)

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-096547
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-14-9-16

9. API Well No.
43013-33812

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 14, T9S R16E

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 SE/NW 1878' FNL 1949' FWL
At proposed prod. zone 2510' FSL 2962' FWL

14. Distance in miles and direction from nearest town or post office*
Approximatley 20.2 miles southwest of Myton, Utah

12. County or Parish
Duchesne
13. State
UT

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) Approx. 980' f/lse, 2300' f/unit

16. No. of Acres in lease
600.00

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. 1465'

19. Proposed Depth
5975'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5589' GL

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

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature
Mandie Crozier
Title
Regulatory Specialist

Name (Printed/Typed)
Mandie Crozier
Date
2/14/08

Approved by (Signature)
Bradley G. Hill
Title
Office

Name (Printed/Typed)
BRADLEY G. HILL
Date
03-17-09
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)

1. Well plat certified by a registered surveyor. 578090X
2. A Drilling Plan. 44313374 New Bill
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). 40.030533
-110.084787

COPY SENT TO OPERATOR

Date: 3/18/2009

Initials: KS

Federal Approval of this
Action is Necessary

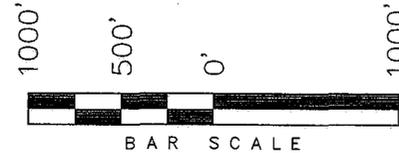
RECEIVED
FEB 17 2009

DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY

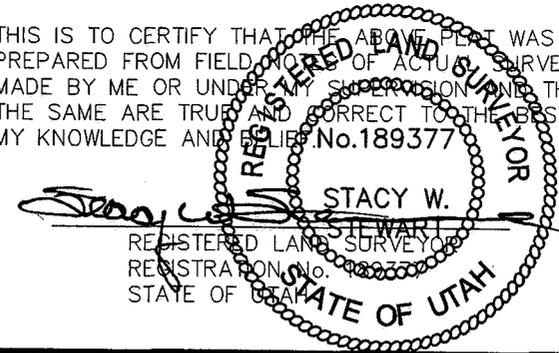
WELL LOCATION, JONAH UNIT M-14-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NW
 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.



WELL LOCATION: JONAH UNIT M-14-9-16

ELEV. EXIST. GRADED GROUND = 5589'

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

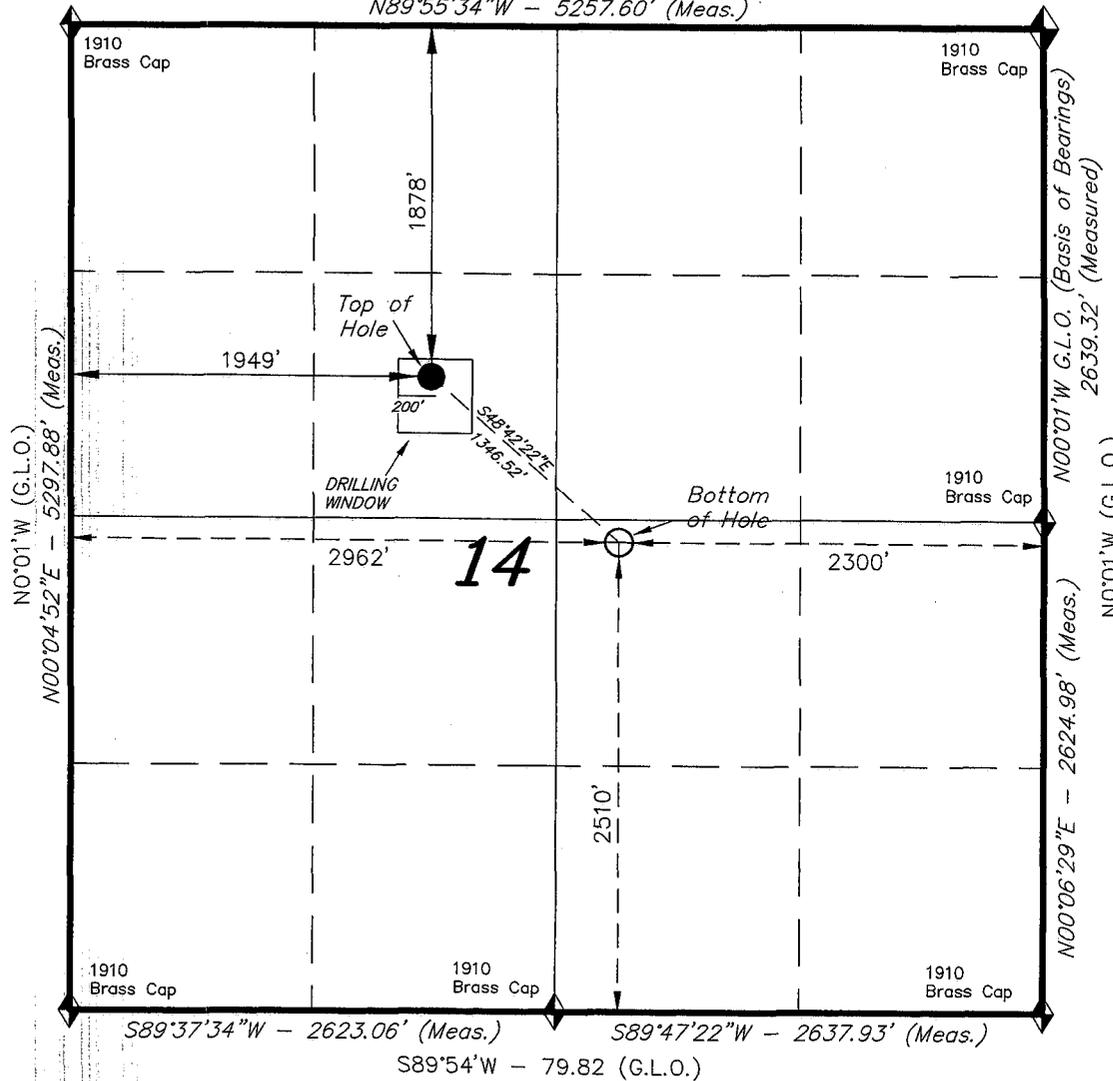


TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 08-15-07	SURVEYED BY: T.H.
DATE DRAWN: 09-12-07	DRAWN BY: F.T.M.
REVISED: 02-13-08 L.C.S.	SCALE: 1" = 1000'

S89°59'W - 79.78 (G.L.O.)
 N89°55'34"W - 5257.60' (Meas.)



◆ = SECTION CORNERS LOCATED

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

JONAH UNIT M-14-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 58.62"
 LONGITUDE = 110° 05' 20.82"

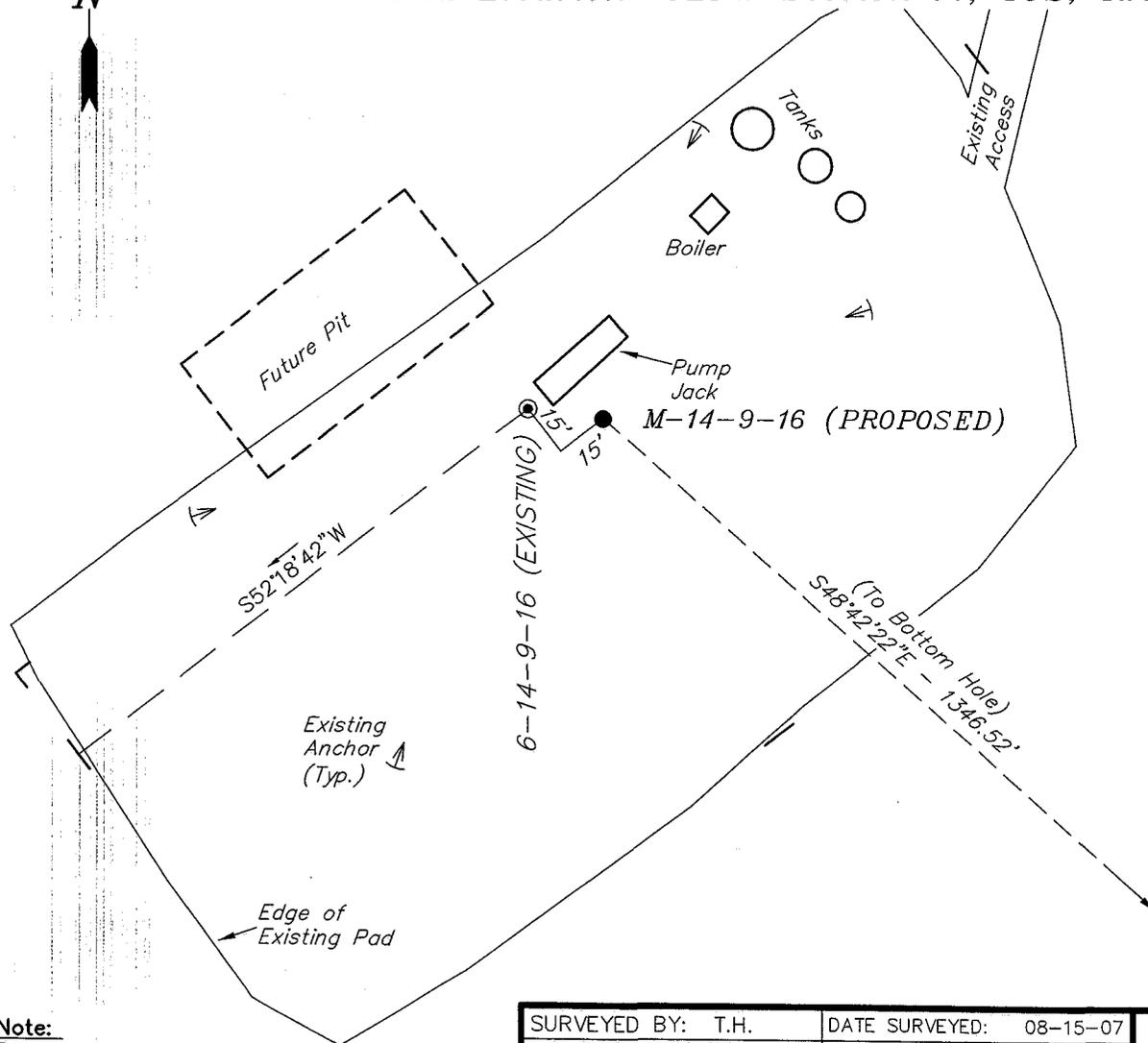
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (Existing Well)

Pad Location: SENW Section 14, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

M-14-9-16 (PROPOSED)
1878' FNL & 1949' FWL

BOTTOM HOLE FOOTAGES

M-14-9-16 (PROPOSED)
2510' FSL & 2962' FWL

RELATIVE COORDINATES

From top hole to bottom hole

WELL	NORTH	EAST
M-14-9-16	-889'	1012'

LATITUDE & LONGITUDE

Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
M-14-9-16	40° 01' 58.62"	110° 05' 20.82"
6-14-9-16	40° 01' 58.59"	110° 05' 20.55"

Note:
Bearings are based on
G.P.S. observations.

SURVEYED BY: T.H.	DATE SURVEYED: 08-15-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-12-07
SCALE: 1" = 50'	REVISED: L.C.S. 02-13-08

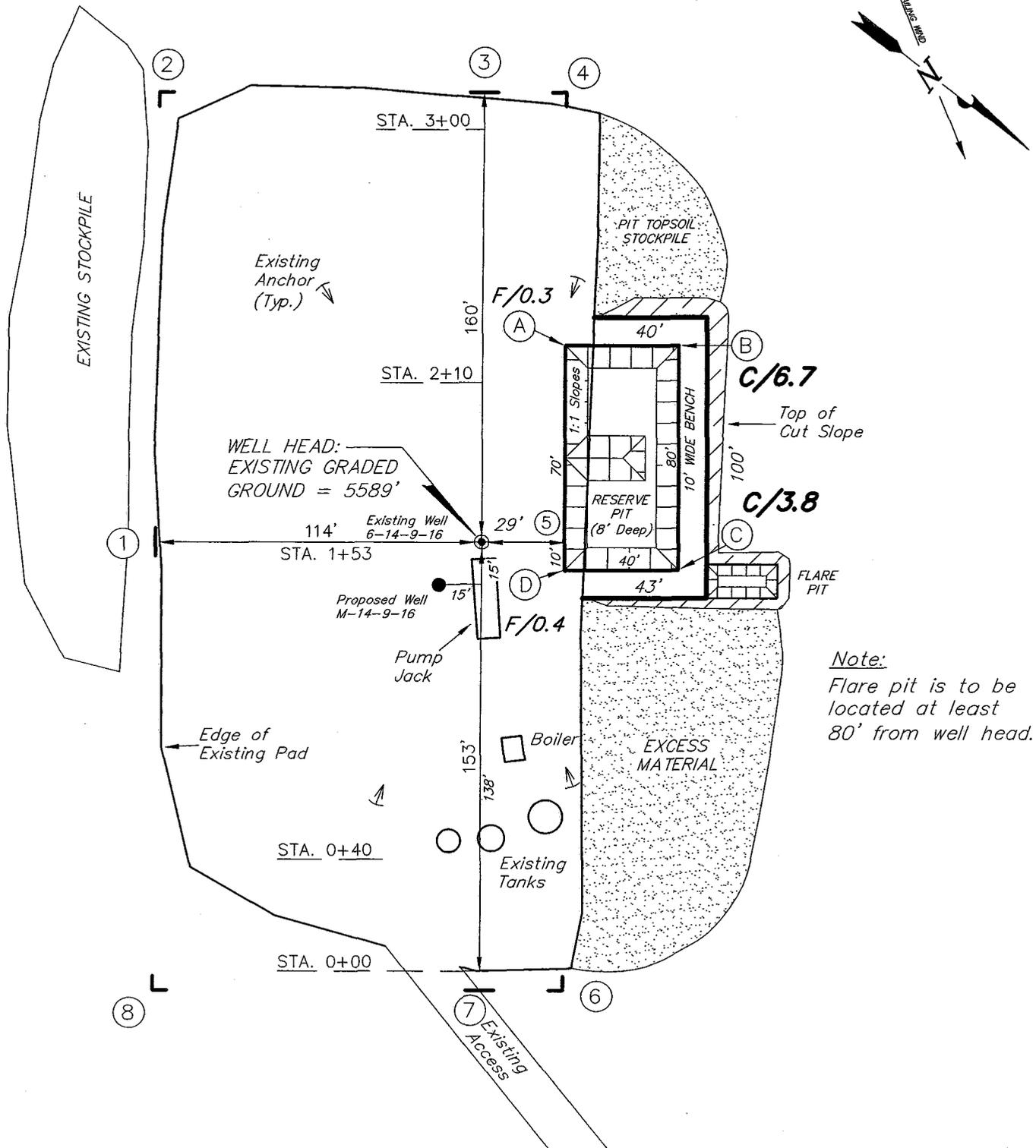
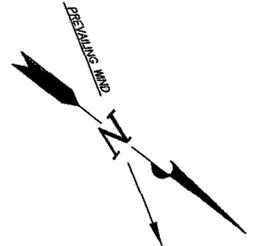
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (Existing Well)

Pad Location: SENW Section 14, T9S, R16E, S.L.B.&M.



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-15-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-12-07
SCALE: 1" = 50'	REVISED:

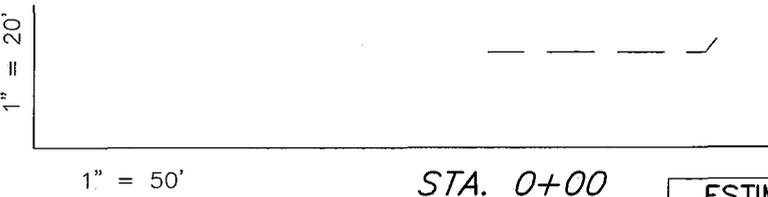
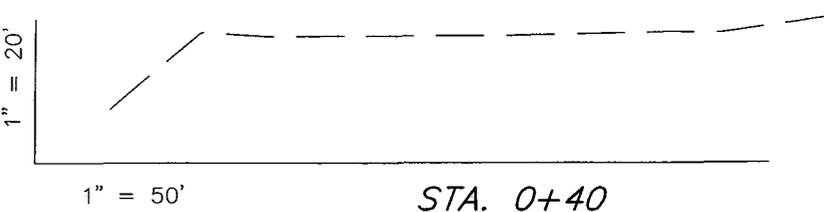
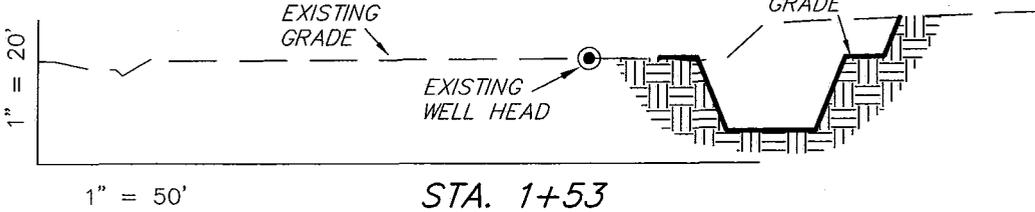
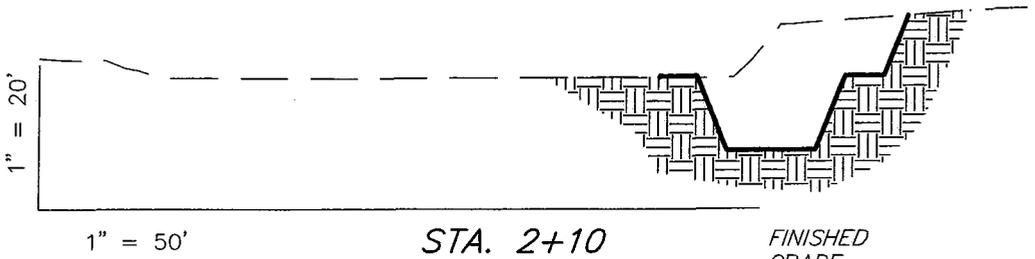
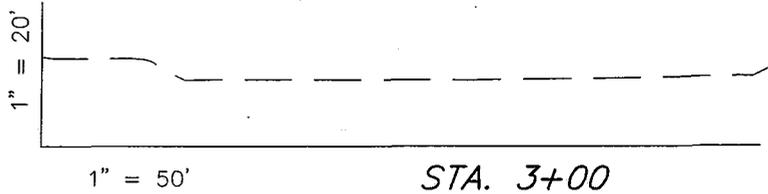
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (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	780	10	Topsoil is not included in Pad Cut	770
PIT	640	0		640
TOTALS	1,420	10	140	1,410

SURVEYED BY: T.H.	DATE SURVEYED: 08-15-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-12-07
SCALE: 1" = 50'	REVISED:

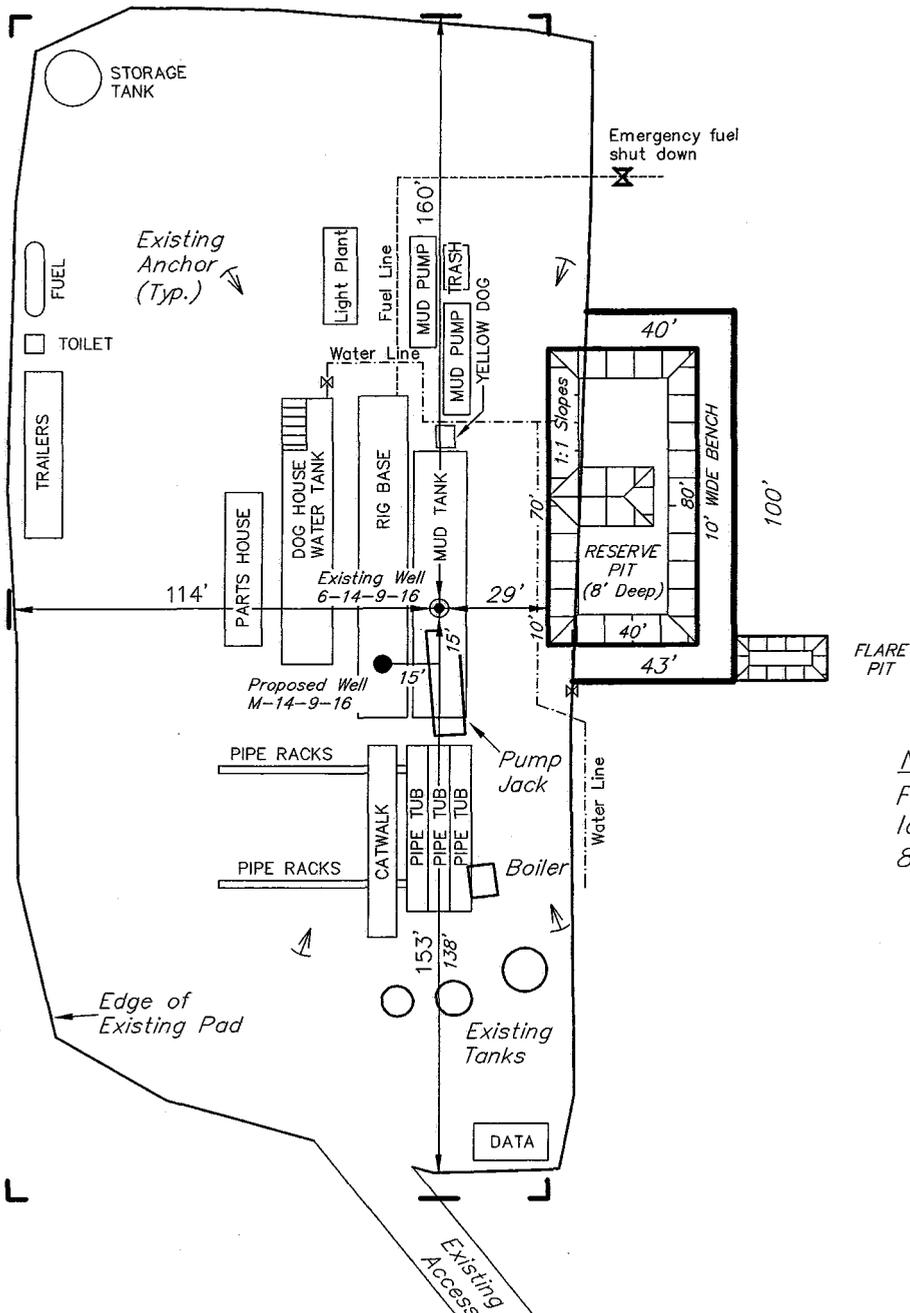
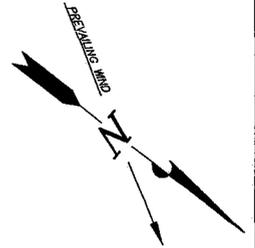
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

JONAH UNIT M-14-9-16 (Proposed Well)

JONAH UNIT 6-14-9-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-15-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-12-07
SCALE: 1" = 50'	REVISED:

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



March 10, 2009

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

RE: Directional Drilling
Jonah Federal M-14-9-16
Jonah Unit
UTU-72086A
Surface Hole: T9S R16E, Section 14: SE/4NW/4
1878' FNL 1949' FWL
Bottom Hole: T9S R16E, Section 14
2510' FSL 2962' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated February 14, 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
MAR 16 2009
DIV. OF OIL, GAS & MINING

Form 3160-3
(September 2001)

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-096547

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-14-9-16

9. API Well No.

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 14, 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 SE/NW 1878' FNL 1949' FWL
At proposed prod. zone 2510' FSL 2962' FWL

14. Distance in miles and direction from nearest town or post office*
Approximatley 20.2 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. 980' flse, 2300' flunit

16. No. of Acres in lease
600.00

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. 1465'

19. Proposed Depth
5975'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5589' GL

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

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature  Name (Printed/Typed) Mandie Crozier Date 2/14/08

Title Regulatory Specialist

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

Title Office

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

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

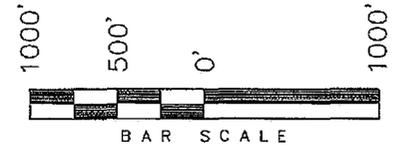
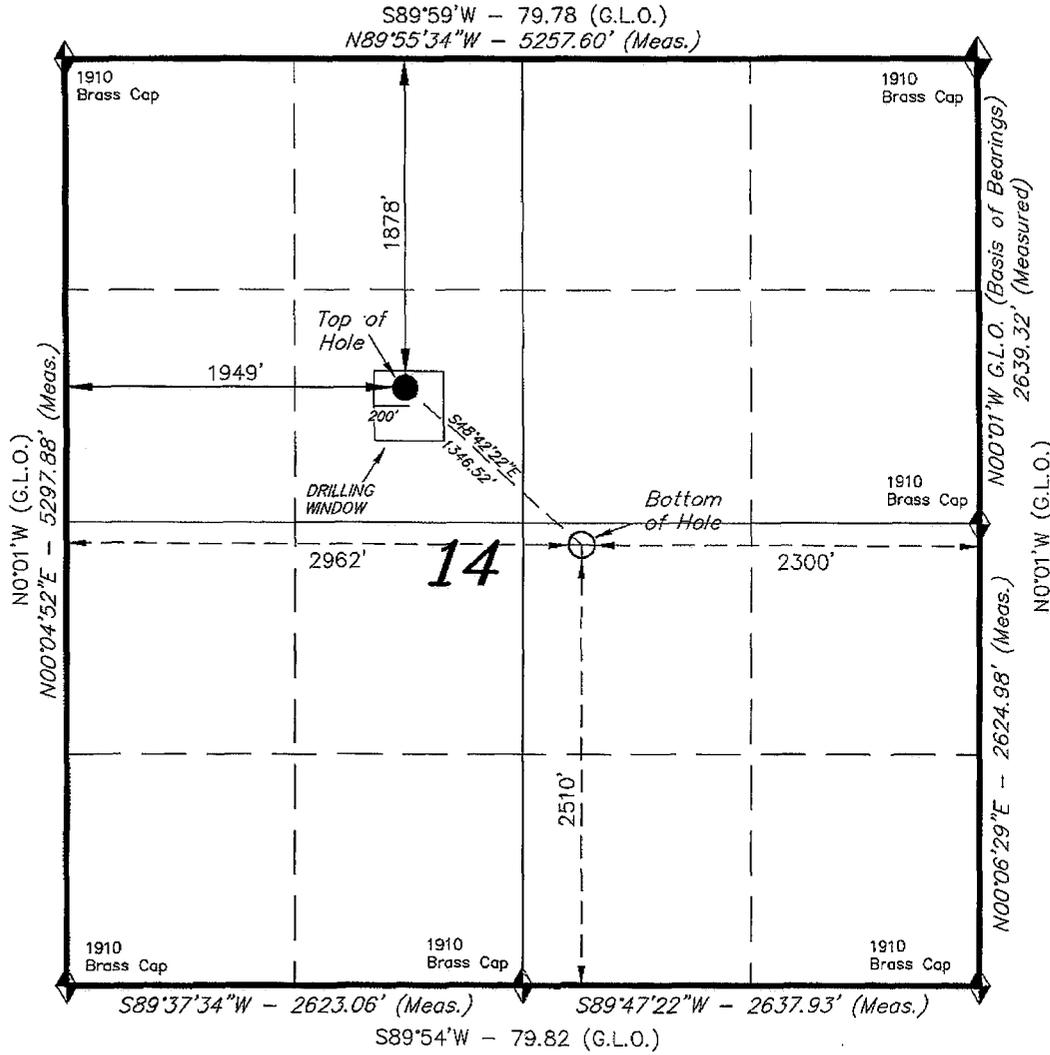
* (Instructions on Reverse)

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

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

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT M-14-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NW
 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.



WELL LOCATION:
JONAH UNIT M-14-9-16
 ELEV. EXIST. GRADED GROUND = 5589'

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

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

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

JONAH UNIT M-14-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 58.62"
 LONGITUDE = 110° 05' 20.82"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 08-15-07	SURVEYED BY: T.H.
DATE DRAWN: 09-12-07	DRAWN BY: F.T.M.
REVISED: 02-13-08 L.C.S.	SCALE: 1" = 1000'

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED
VERNAL FIELD OFFICE
NOV 20 2007
BUREAU OF LAND MANAGEMENT

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-096547	
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. Jonah Unit	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Jonah Federal M-14-9-16	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 D13 33812	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 1878' FNL 1949' FWL At proposed prod. zone 2510' FSL 2968' FWL 2300 NWSE		10. Field and Pool, or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximatley 20.2 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 14, T9S R16E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) Approx. 980' f/lease, 2300' f/unit		12. County or Parish Duchesne	
16. No. of Acres in lease 600.00		13. State UT	
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. 1465'	
19. Proposed Depth 5975'		20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5589' GL		22. Approximate date work will start* 1st Quarter 2008	
		23. Estimated duration Approximately seven (7) days from spud to rig release.	

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/14/08
Title Regulatory Specialist		
Approved by (Signature) <i>Jessy Kervels</i>	Name (Printed/Typed) Jessy Kervels	Date APR 27 2009
Title Assistant Field Manager 1 Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

*(Instructions on reverse)

NOTICE OF APPROVAL

UDOGM

RECEIVED
APR 29 2009
DIV. OF OIL, GAS & MINING

NOS 10/4/07
08PP0058A



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4401



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company **Location:** SENW, Sec. 14, T9S, R16E (S)
NWSE, Sec. 14, T9S, R16E (B)
Well No: Jonah Federal M-14-9-16 **Lease No:** UTU-096547
API No: 43-013-33812 **Agreement:** Jonah Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Chuck Macdonald	435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		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)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

TIMING RESTRICTIONS:

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

CONDITIONS OF APPROVAL:

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

- If additional erosion occurs during the life of this project, more culverts, berms, wing ditches, low water crossings, etc. will be constructed/installed in order to control erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

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

- All pounds are in pure live seed.
 - Rates are set for drill seeding; double the rate if broadcasting.
 - Reseeding may be required if initial seeding is not successful.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered lands, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
 - The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, then the area shall be seeded. *Note: Interim reclamation shall include the area of the well pad that is not needed or used for production operations.*

- Once the location is plugged and abandoned, it shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines given for interim seed mix above. And if the broadcast method is used, the seed at a minimum will be walked into the soil with a dozer, immediately after seeding.
- The authorized officer may prohibit surface disturbing activities during severe winter or wet/muddy conditions in order to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted **Carlsbad Canyon**, including the tin that the Central Tank Battery surface pipelines will be wrapped in.
- Stock-pile boulders (3 feet in length/diameter) for use during final reclamation.

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

SITE SPECIFIC DOWNHOLE COAs:

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

Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

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

Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-096547
---	---

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: JONAH (GRRV)
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JONAH FED M-14-9-16
------------------------------------	--

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013338120000
--	---

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

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1878 FNL 1949 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 16.0E Meridian: S	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: 10/30/2009 <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 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 requestd to extend the permit to drill for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: October 15, 2009

By:

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 10/15/2009



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 43013338120000

API: 43013338120000

Well Name: JONAH FED M-14-9-16

Location: 1878 FNL 1949 FWL QTR SENW SEC 14 TWNP 090S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 11/29/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or 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: 10/15/2009

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

Date: October 15, 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

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Reservr.,
 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 1878' FNL & 1949' FWL (SE/NW) SEC. 14, T9S, R16E (UTU-096547)

At top prod. interval reported below 2396' FNL & 2525' FWL (SE/NW) SEC. 14, T9S, R16E (UTU-096547)

At total depth ~~2627'~~ ^{2545'} FSL & ~~2945'~~ ^{2325'} FEL (NW/SE) SEC. 14, T9S, R16E (UTU-096547)

per HSM
Review

5. Lease Serial No.
UTU-096547

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU

8. Lease Name and Well No.
JONAH FED M-14-9-16

9. AFI Well No.
43-013-33812

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area
SEC. 14, T9S, R16E

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
01/14/2010

15. Date T.D. Reached
01/29/2010

16. Date Completed 02/19/2010
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5589' GL 5601' KB

18. Total Depth: MD 6055'
TVD 5885'

19. Plug Back T.D.: MD 5966'
TVD 5798

20. Depth Bridge Plug Set: MD
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	320'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6042'		260 PRIMLITE		80'	
						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@ 5665'	TA @ 5566'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			CP2 - 5594-5599'	.36"	3	15
B) Green River			A3 - 5120-5130'	.36"	3	30
C) Green River			B1 & B2 - 4870-4931'	.36"	3	42
D) Green River			GB4 - 4125-4133'	.36"	3	24

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

Depth Interval	Amount and Type of Material
5594-5599'	Frac w/ 9412#'s 20/40 sand in 62 bbls of Lightning 17 fluid. (CP2)
5120-5130'	Frac w/ 45196#'s 20/40 sand in 214 bbls of Lightning 17 fluid. (A3)
4870-4931'	Frac w/ 75309#'s 20/40 sand in 331 bbls of Lightning 17 fluid. (B1 & B2)
4125-4133'	Frac w/ 24572#'s 20/40 sand in 151 bbls of Lightning 17 fluid. (GB4)

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
2-20-10	3-9-10	24	→	176	0	71			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
APR 08 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	3581' 3796'
				GARDEN GULCH 2 POINT 3	3909' 4184'
				X MRKR Y MRKR	4440' 4475'
				DOUGALS CREEK MRK BI CARBONATE MRK	4602' 4840'
				B LIMESTON MRK CASTLE PEAK	4963' 5476'
				BASAL CARBONATE	5936'

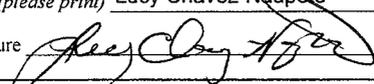
32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (GB2) 3958-3965' .36" 3/21 Frac w/ 12499#'s of 20/40 sand in 71 bbls of Lightning 17 fluid

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

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: 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-Napoto Title Administrative Assistant
 Signature  Date 03/25/2010

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 14 T9S, R16E
M-14-9-16**

Wellbore #1

Design: Actual

Standard Survey Report

07 February, 2010

HATHAWAY  BURNHAM
 DIRECTIONAL & MWD SERVICES 



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 14 T9S, R16E
 Well: M-14-9-16
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well M-14-9-16
 TVD Reference: WELL @ 5601.0ft (Original Well Elev)
 MD Reference: WELL @ 5601.0ft (Original Well Elev)
 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 14 T9S, R16E, SEC 14 T9S, R16E		
Site Position:		Northing:	7,183,007.00ft
From:	Lat/Long	Easting:	2,036,124.00ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 1' 50.269 N
		Longitude:	110° 5' 12.324 W
		Grid Convergence:	0.91 °

Well	M-14-9-16, SHL: LAT 40 01 58.62, LONG -110 05 20.82		
Well Position	+N/-S	0.0 ft	Northing: 7,183,841.44 ft
	+E/-W	0.0 ft	Easting: 2,035,449.93 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,601.0 ft
		Ground Level:	5,589.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/12/31	11.49	65.83	52,435

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	131.95

Survey Program	Date 2010/02/07			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
425.0	6,055.0	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
425.0	0.94	126.35	425.0	-2.1	2.8	3.5	0.22	0.22	0.00
456.0	1.16	125.86	456.0	-2.4	3.3	4.0	0.71	0.71	-1.58
486.0	1.01	130.50	486.0	-2.8	3.7	4.6	0.58	-0.50	15.47
517.0	1.25	134.43	517.0	-3.2	4.2	5.2	0.81	0.77	12.68
548.0	1.58	128.96	548.0	-3.7	4.7	6.0	1.15	1.06	-17.65
578.0	1.82	134.41	577.9	-4.3	5.4	6.9	0.96	0.80	18.17
609.0	2.22	135.16	608.9	-5.0	6.2	8.0	1.29	1.29	2.42
640.0	2.72	130.65	639.9	-5.9	7.2	9.3	1.73	1.61	-14.55
670.0	3.01	131.73	669.9	-6.9	8.3	10.8	0.98	0.97	3.60
701.0	3.49	135.60	700.8	-8.1	9.6	12.5	1.70	1.55	12.48
731.0	3.87	134.08	730.7	-9.5	10.9	14.5	1.31	1.27	-5.07
762.0	4.04	134.48	761.7	-11.0	12.4	16.6	0.56	0.55	1.29



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
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 Design: Actual

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 MD Reference: WELL @ 5601.0ft (Original Well Elev)
 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)
792.0	3.96	136.32	791.6	-12.5	13.9	18.7	0.50	-0.27	6.13
823.0	4.15	137.86	822.5	-14.1	15.4	20.9	0.71	0.61	4.97
853.0	4.26	136.04	852.4	-15.7	16.9	23.1	0.58	0.37	-6.07
884.0	4.66	136.94	883.3	-17.4	18.6	25.5	1.31	1.29	2.90
915.0	5.32	134.06	914.2	-19.4	20.5	28.2	2.28	2.13	-9.29
947.0	5.69	133.07	946.1	-21.5	22.7	31.2	1.19	1.16	-3.09
979.0	6.06	134.78	977.9	-23.8	25.0	34.5	1.28	1.16	5.34
1,011.0	6.61	133.07	1,009.7	-26.2	27.6	38.0	1.82	1.72	-5.34
1,042.0	6.90	132.76	1,040.5	-28.7	30.3	41.7	0.94	0.94	-1.00
1,074.0	6.99	132.10	1,072.3	-31.3	33.1	45.5	0.38	0.28	-2.06
1,106.0	7.25	131.90	1,104.0	-33.9	36.1	49.5	0.82	0.81	-0.63
1,137.0	7.73	130.65	1,134.8	-36.6	39.1	53.6	1.64	1.55	-4.03
1,169.0	8.17	131.16	1,166.4	-39.5	42.4	58.0	1.39	1.38	1.59
1,201.0	8.68	132.59	1,198.1	-42.6	45.9	62.7	1.72	1.59	4.47
1,233.0	8.94	131.99	1,229.7	-45.9	49.6	67.6	0.86	0.81	-1.88
1,264.0	9.43	132.15	1,260.3	-49.3	53.2	72.5	1.58	1.58	0.52
1,295.0	9.82	132.98	1,290.9	-52.8	57.1	77.7	1.34	1.26	2.68
1,327.0	10.15	132.15	1,322.4	-56.5	61.1	83.2	1.13	1.03	-2.59
1,359.0	10.52	134.12	1,353.9	-60.4	65.3	89.0	1.60	1.16	6.16
1,391.0	10.90	133.33	1,385.3	-64.5	69.6	94.9	1.27	1.19	-2.47
1,423.0	11.40	132.23	1,416.7	-68.7	74.2	101.1	1.70	1.56	-3.44
1,454.0	11.73	131.82	1,447.1	-72.9	78.8	107.3	1.10	1.06	-1.32
1,486.0	12.30	131.53	1,478.4	-77.3	83.8	114.0	1.79	1.78	-0.91
1,518.0	12.46	130.23	1,509.7	-81.8	88.9	120.9	1.00	0.50	-4.06
1,549.0	12.68	129.71	1,539.9	-86.2	94.1	127.6	0.80	0.71	-1.68
1,581.0	12.81	129.47	1,571.1	-90.7	99.6	134.6	0.44	0.41	-0.75
1,612.0	13.32	129.84	1,601.3	-95.1	105.0	141.7	1.67	1.65	1.19
1,644.0	13.89	129.97	1,632.4	-100.0	110.7	149.2	1.78	1.78	0.41
1,676.0	14.15	130.21	1,663.5	-105.0	116.7	156.9	0.83	0.81	0.75
1,707.0	14.41	130.63	1,693.5	-109.9	122.5	164.6	0.90	0.84	1.35
1,739.0	14.59	130.32	1,724.5	-115.1	128.6	172.6	0.61	0.56	-0.97
1,771.0	14.66	130.52	1,755.5	-120.4	134.7	180.7	0.27	0.22	0.63
1,803.0	15.10	130.08	1,786.4	-125.7	141.0	188.9	1.42	1.38	-1.38
1,834.0	15.29	130.08	1,816.3	-130.9	147.2	197.0	0.61	0.61	0.00
1,929.0	15.82	129.49	1,907.8	-147.2	166.8	222.4	0.58	0.56	-0.62
2,025.0	16.80	131.72	2,000.0	-164.8	187.2	249.4	1.21	1.02	2.32
2,120.0	17.34	131.25	2,090.8	-183.2	208.1	277.3	0.59	0.57	-0.49
2,214.0	16.66	130.74	2,180.7	-201.3	228.9	304.8	0.74	-0.72	-0.54
2,310.0	16.44	130.45	2,272.7	-219.0	249.6	332.1	0.24	-0.23	-0.30
2,405.0	15.82	132.56	2,363.9	-236.5	269.4	358.5	0.90	-0.65	2.22
2,500.0	14.81	131.64	2,455.6	-253.4	288.0	383.6	1.09	-1.06	-0.97
2,595.0	14.57	135.20	2,547.5	-269.9	305.5	407.6	0.98	-0.25	3.75
2,690.0	15.73	134.87	2,639.2	-287.5	323.1	432.4	1.22	1.22	-0.35
2,786.0	16.48	134.78	2,731.4	-306.2	341.9	459.0	0.78	0.78	-0.09
2,881.0	15.66	134.03	2,822.7	-324.6	360.7	485.3	0.89	-0.86	-0.79
2,976.0	15.38	132.67	2,914.2	-342.1	379.2	510.7	0.48	-0.29	-1.43
3,071.0	15.29	135.22	3,005.8	-359.5	397.3	535.8	0.72	-0.09	2.68
3,165.0	16.46	133.60	3,096.2	-377.5	415.7	561.5	1.33	1.24	-1.72
3,260.0	16.90	131.27	3,187.3	-395.9	435.8	588.8	0.84	0.46	-2.45
3,355.0	16.90	131.73	3,278.1	-414.2	456.5	616.4	0.14	0.00	0.48
3,450.0	16.85	131.05	3,369.1	-432.4	477.2	644.0	0.21	-0.05	-0.72
3,545.0	15.67	130.65	3,460.3	-449.8	497.3	670.5	1.25	-1.24	-0.42
3,639.0	15.51	130.65	3,550.8	-466.3	516.5	695.8	0.17	-0.17	0.00
3,735.0	15.86	130.81	3,643.2	-483.2	536.1	721.8	0.37	0.36	0.17



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 14 T9S, R16E
Well: M-14-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well M-14-9-16
TVD Reference: WELL @ 5601.0ft (Original Well Elev)
MD Reference: WELL @ 5601.0ft (Original Well Elev)
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)
3,830.0	16.15	131.07	3,734.5	-500.4	555.9	747.9	0.31	0.31	0.27
3,926.0	16.48	132.63	3,826.7	-518.4	576.0	774.9	0.57	0.34	1.63
4,021.0	16.78	133.14	3,917.7	-536.9	595.9	802.1	0.35	0.32	0.54
4,114.0	15.62	133.16	4,007.0	-554.6	614.8	828.0	1.25	-1.25	0.02
4,209.0	15.45	132.15	4,098.5	-571.9	633.6	853.5	0.34	-0.18	-1.06
4,304.0	14.80	131.20	4,190.2	-588.3	652.1	878.3	0.73	-0.68	-1.00
4,401.0	15.27	132.32	4,283.9	-605.1	670.8	903.4	0.57	0.48	1.15
4,496.0	15.31	133.64	4,375.6	-622.2	689.2	928.5	0.37	0.04	1.39
4,591.0	14.66	133.75	4,467.3	-639.2	706.9	953.0	0.68	-0.68	0.12
4,687.0	14.63	131.55	4,560.2	-655.6	724.8	977.3	0.58	-0.03	-2.29
4,781.0	14.28	131.27	4,651.2	-671.1	742.4	1,000.7	0.38	-0.37	-0.30
4,875.0	15.86	130.34	4,742.0	-687.1	760.9	1,025.2	1.70	1.68	-0.99
4,969.0	15.37	131.44	4,832.5	-703.6	780.0	1,050.5	0.61	-0.52	1.17
5,064.0	15.36	131.14	4,924.1	-720.3	798.9	1,075.6	0.08	-0.01	-0.32
5,159.0	16.10	129.75	5,015.6	-737.0	818.5	1,101.4	0.87	0.78	-1.46
5,255.0	15.40	123.47	5,108.0	-752.5	839.4	1,127.3	1.92	-0.73	-6.54
5,348.2	14.70	126.71	5,198.0	-766.4	859.2	1,151.3	1.17	-0.75	3.48
M-14-9-16 TGT									
5,350.0	14.69	126.78	5,199.7	-766.7	859.6	1,151.8	1.17	-0.72	3.64
5,445.0	14.66	130.26	5,291.6	-781.6	878.4	1,175.8	0.93	-0.03	3.66
5,540.0	14.81	131.86	5,383.5	-797.5	896.6	1,199.9	0.46	0.16	1.68
5,635.0	14.79	132.41	5,475.4	-813.8	914.6	1,224.2	0.15	-0.02	0.58
5,733.0	13.84	132.26	5,570.3	-830.1	932.5	1,248.4	0.97	-0.97	-0.15
5,828.0	13.34	131.29	5,662.6	-845.0	949.1	1,270.8	0.58	-0.53	-1.02
5,923.0	12.48	127.80	5,755.2	-858.5	965.5	1,292.0	1.22	-0.91	-3.67
6,008.0	11.47	129.64	5,838.4	-869.5	979.3	1,309.6	1.27	-1.19	2.16
6,055.0	10.91	129.64	5,884.5	-875.4	986.3	1,318.7	1.19	-1.19	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
M-14-9-16 TGT	0.00	0.00	5,200.0	-764.9	851.0	7,183,090.16	2,036,312.80	40° 1' 51.061 N	110° 5' 9.880 W
- hit/miss target									
- Shape									
- actual wellpath misses by 8.6ft at 5348.3ft MD (5198.0 TVD, -766.4 N, 859.2 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____



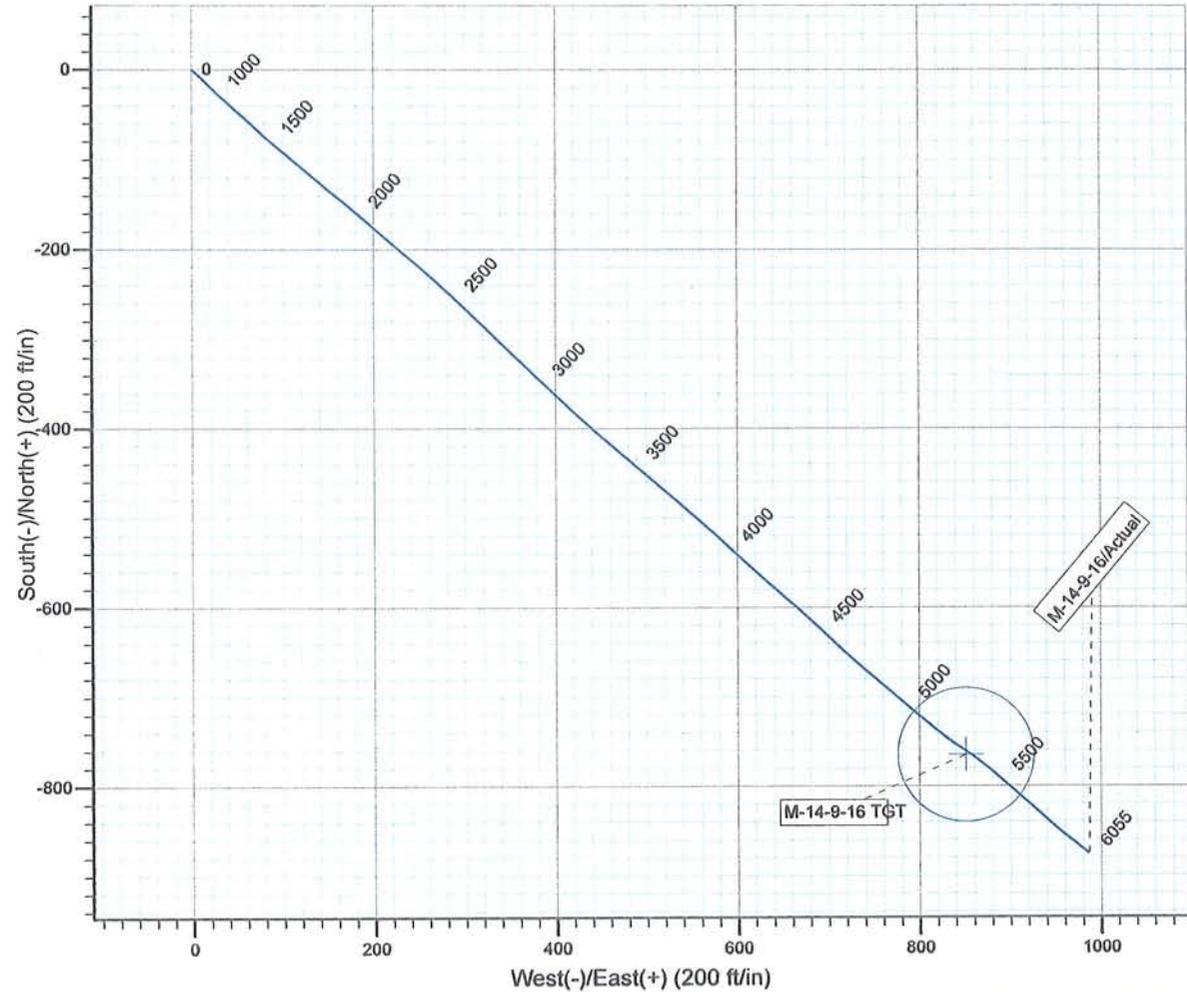
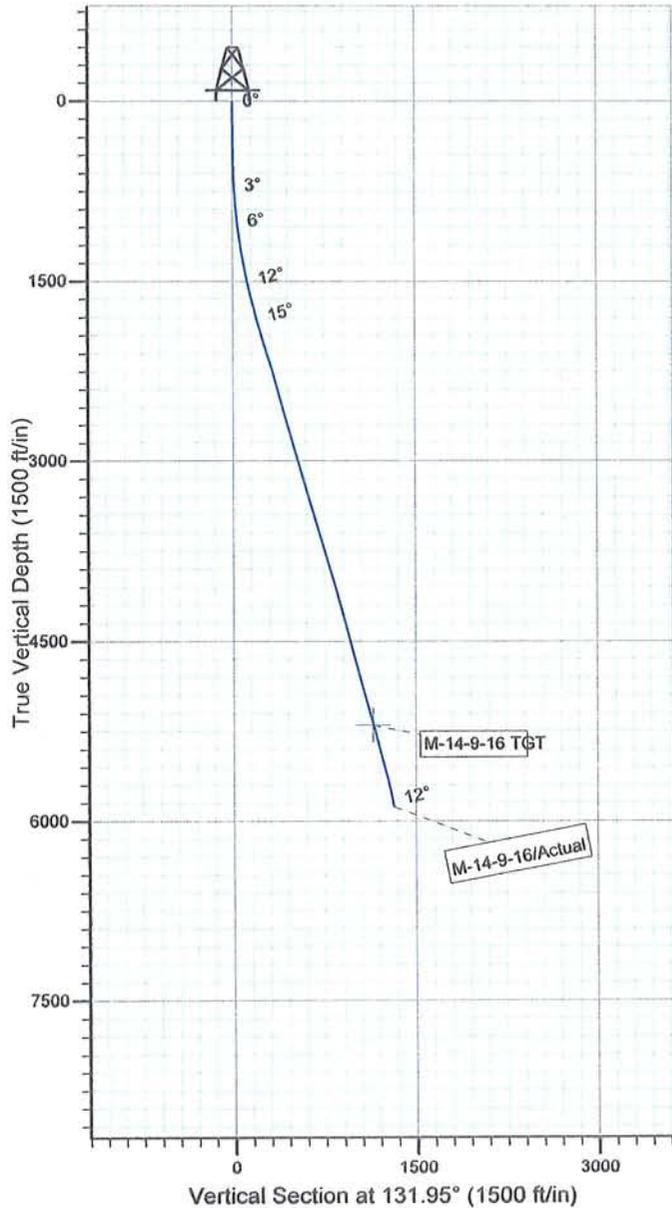
Project: USGS Myton SW (UT)
 Site: SECTION 14 T9S, R16E
 Well: M-14-9-16
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.49°

Magnetic Field
 Strength: 52434.8snT
 Dip Angle: 65.83°
 Date: 2009/12/31
 Model: IGRF200510



Design: Actual (M-14-9-16/Wellbore #1)

Created By: *Jim Hudson* Date: 14:54, February 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

JONAH M-14-9-16**11/1/2009 To 3/28/2010****JONAH M-14-9-16****Waiting on Cement****Date:** 1/20/2010

Ross #29 at 320. Days Since Spud - Ross Rig #29 Spud The Jonah Federal M-14-9-16 On 1/14/10 At 9:00 AM Drilled 320' Of 12 1/4" Hole. - Run 7 jts 8 5/8" Surface Casing (Guide Shoe, Shoe Jt, Baffle Plate, 6 Jts) Set @ 320.38,/KB - On 1/16/10 BJ Cemented 8 5/8" Casing With 160 sk Class G +2% CaCl +.25#/sk Celloflake Mixed @ 15.8 - ppg With 1.17 yield. Returned 5 bbls To Pit

Daily Cost: \$0**Cumulative Cost:** \$46,273**JONAH M-14-9-16****Rigging Up****Date:** 1/23/2010

NDSI #2 at 320. 0 Days Since Spud - Rig Down Prepair For Rig Move

Daily Cost: \$0**Cumulative Cost:** \$50,240**JONAH M-14-9-16****Drill 7 7/8" hole with fresh water****Date:** 1/25/2010

NDSI #2 at 1316. 1 Days Since Spud - Move Rig to the Jonah M-14-9-16 - Pressure test Pipes, Blinds, choke and Kelly, and choke, to 2,000PSI, casing to 1,500 PSI test OK - Pick up Bit, M.Motor and BHA Tag @ 320' - Drill Cement shoe and Float - Drill 7 7/8" hole with fresh water to a depth of 1316'

Daily Cost: \$0**Cumulative Cost:** \$92,570**JONAH M-14-9-16****Drill 7 7/8" hole with fresh water****Date:** 1/26/2010

NDSI #2 at 3059. 2 Days Since Spud - Drill 7 7/8" hole with fresh water to a depth of 1538' - Drill 7 7/8" hole with fresh water to a depth of 3059' - Rig Service check BOP Check Crown-O-Matic

Daily Cost: \$0**Cumulative Cost:** \$111,089**JONAH M-14-9-16****Drill 7 7/8" hole with fresh water****Date:** 1/27/2010

NDSI #2 at 4270. 3 Days Since Spud - Drill 7 7/8" hole with fresh water to a depth of 4270' - Drill 7 7/8" hole with fresh water to a depth of 3627' - Rig Service check BOP Check Crown-O-Matic

Daily Cost: \$0**Cumulative Cost:** \$151,288**JONAH M-14-9-16****Drill 7 7/8" hole with fresh water****Date:** 1/28/2010

NDSI #2 at 4865. 4 Days Since Spud - No Flow @ 4829' - No H2s Reported Last 24 Hrs - M/U Bit, Motor, Scribe Tools Trip In Hole - Trip Out For Mud Motor & Bit. Change Out Motor & Bit -

Drill 7 7/8" Hole With Fresh Water To Depth Of 4812' - Boiler 24 Hrs. - Drill 7 7/8" Hole With Fresh Water To Depth Of 4579' - Rig Service. (BOP Drill 1 Min Hands In Place) - Wash 22' Bottom, Drill 7 7/8" Hole With Fresh Water To 4865'

Daily Cost: \$0

Cumulative Cost: \$177,037

JONAH M-14-9-16

Wait on Completion

Date: 1/29/2010

NDSI #2 at 6055. 6 Days Since Spud - Drill 7 7/8" Hole From 4865 To 5460' WOB 30 RPM 113 ROP 61' GPM 344 - Rig Service - Drill 7 7/8" Hole From 5460' To 6055' TD - Circ Hole For Logs & Laydown - LDDP & BHA With Marcus Liddells Laydown Crew - No H2s Reported Last 24 Hrs - No Flow @ 6055' TD - Boiler 24 Hrs - LDDP & BHA - R/U Phoenix Surveys Log Well With DISGL/SP/GR Suite:TD To Surface Csg.DSN/SDL/GR/CAL Suite Logs TD - To 3,000' Loggers TD 6031' - R/U B&C Quick Test. Test 5 1/2" Pipe Rams To 2000# psi For 10 Mins. Test Ok - R/U Marcus Liddells Csg Crew.Run 145 Jts Of 5.5,J-55, LT&C,15.5#, Shoe Set @ 6041.83'/ KB, Float Set - At 6023.83'/ KB (Transferred 84.21',2 Jts To Jonah Federal G-14-9-16) - Circ Casing - R/U BJ Cement Stage 1 With 260 SK PL II +3% KCL+5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF Mixed @ 11.0 ppg with - 1.24 yield Ce ment 2nd Stage With 50:50:2+3% KCL+0.5%EC-1+.25#CF+.05#SF+ - .3SMS+FP-6L Mixed @ 14.4 ppg with 3.54 yield Returned 35 bbls To Pit Bumped Plug to2230 psi - Nipple Down Bop's. Set Slips With 88,000# Tension - Clean Mud Tanks. - No H2s Reported Last 24 Hrs - Boiler 24 Hrs - Released Rig @ 11:30 PM 1/29/10 - Drill 7 7/8" Hole From 4865 To 5460' WOB 30 RPM 113 ROP 61' GPM 344 - Rig Service - Drill 7 7/8" Hole From 5460' To 6055' TD - Circ Hole For Logs & Laydown - LDDP & BHA With Marcus Liddells Laydown Crew - No H2s Reported Last 24 Hrs - No Flow @ 6055' TD - Boiler 24 Hrs - LDDP & BHA - R/U Phoenix Surveys Log Well With DISGL/SP/GR Suite:TD To Surface Csg.DSN/SDL/GR/CAL Suite Logs TD - To 3,000' Loggers TD 6031' - R/U B&C Quick Test. Test 5 1/2" Pipe Rams To 2000# psi For 10 Mins. Test Ok - R/U Marcus Liddells Csg Crew.Run 145 Jts Of 5.5,J-55, LT&C,15.5#, Shoe Set @ 6041.83'/ KB, Float Set - At 6023.83'/ KB (Transferred 84.21',2 Jts To Jonah Federal G-14-9-16) - Circ Casing - R/U BJ Cement Stage 1 With 260 SK PL II +3% KCL+5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF Mixed @ 11.0 ppg with - 1.24 yield Ce ment 2nd Stage With 50:50:2+3% KCL+0.5%EC-1+.25#CF+.05#SF+ - .3SMS+FP-6L Mixed @ 14.4 ppg with 3.54 yield Returned 35 bbls To Pit Bumped Plug to2230 psi - Nipple Down Bop's. Set Slips With 88,000# Tension - Clean Mud Tanks. - No H2s Reported Last 24 Hrs - Boiler 24 Hrs - Released Rig @ 11:30 PM 1/29/10 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$329,932

Pertinent Files: Go to File List