



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
Greater Boundary II Federal K-28-8-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T8S R17E, Section 28: SE/4NE/4
1853' FNL 807' FEL
Bottom Hole: T8S R17E, Section 27: SE/4NE/4
2640' FNL 0' FEL
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 Greater Boundary II Federal Unit UTU-77098X. Newfield certifies that it is the Greater Boundary II Unit Operator and all lands within 460 feet of the entire directional well bore are within the Greater Boundary II 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-76241

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

7. If Unit or CA Agreement, Name and No.
Greater Boundary II Unit

8. Lease Name and Well No.
Greater Boundary II Federal K-28-8-17

9. API Well No.

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 28, T8S R17E

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/NE 1853' FNL 807' FEL
At proposed prod. zone SE/NE 2640' FNL 0' FEL

14. Distance in miles and direction from nearest town or post office*
Approximatley 12.1 miles southeast of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2640' f/line, 2640' f/unit

16. No. of Acres in lease
1880.00

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. 1612'

19. Proposed Depth
6500'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5197' GL

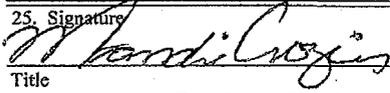
22. Approximate date work will start*
1st Quarter 2008

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 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.

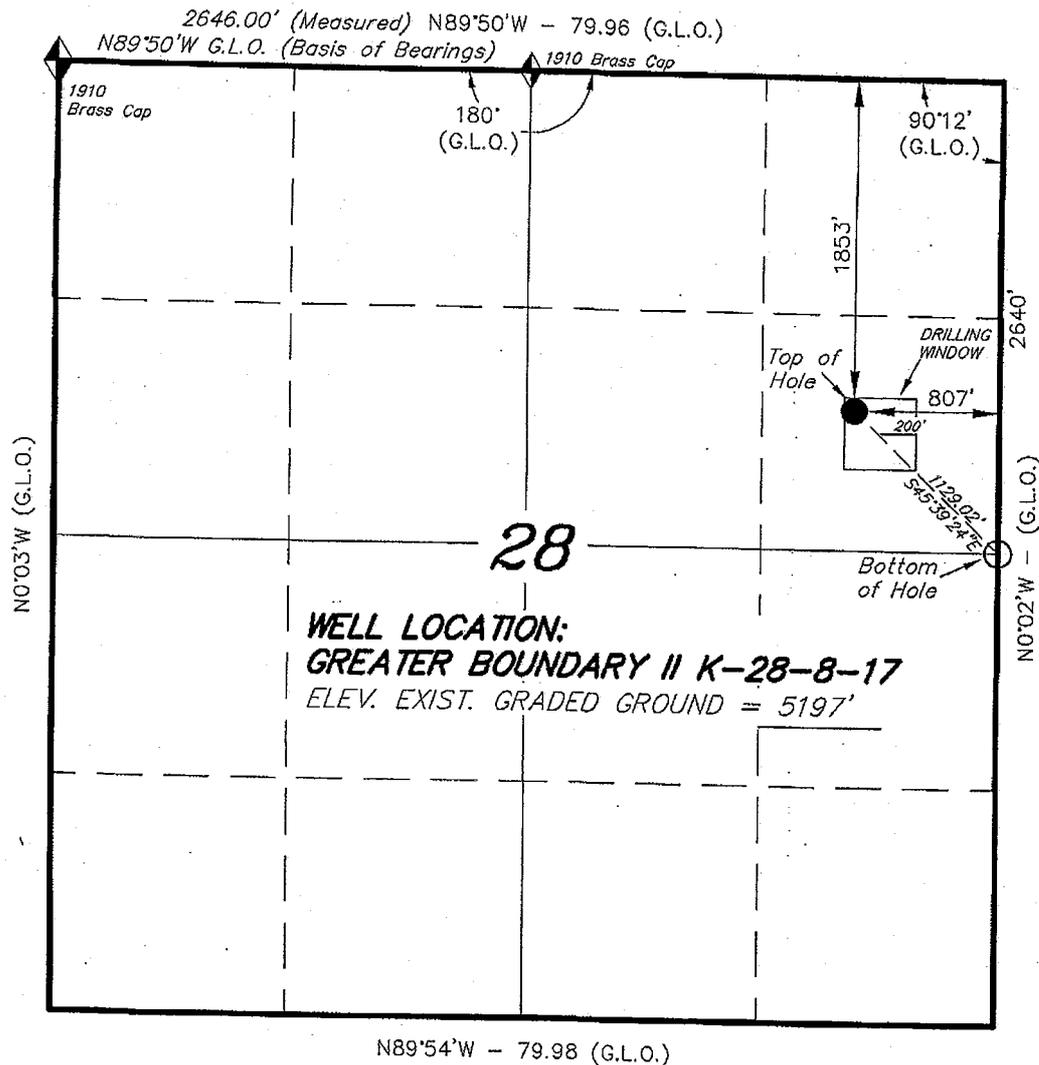
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

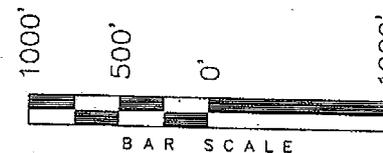
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NOV 16 2007
DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY



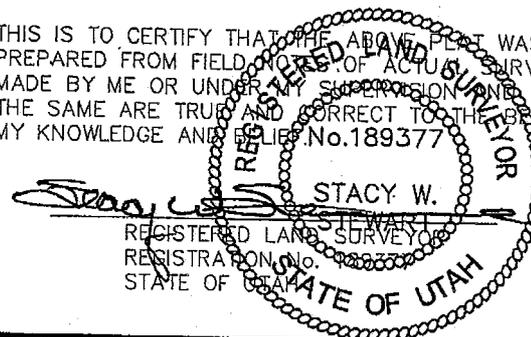
WELL LOCATION, GREATER BOUNDARY II
K-28-8-17, LOCATED AS SHOWN IN THE
SE 1/4 NE 1/4 OF SECTION 28, T8S,
R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Notes:

1. The Proposed Well head bears S44° 42'50"E 2615.37' from the North 1/4 Corner of Section 28.
2. The bottom of hole footages are 2640' FNL & 0' FEL

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



◆ = SECTION CORNERS LOCATED

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

GREATER BOUNDARY II K-28-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 27.94"
LONGITUDE = 110° 00' 17.50"

TRI STATE LAND SURVEYING & CONSULTING

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

| | |
|----------------------------|-------------------|
| DATE SURVEYED: 08-29-07 | SURVEYED BY: T.H. |
| DATE DRAWN: 09-17-07 | 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

| | | |
|--|--|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. UTU-76241 |
| 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. Greater Boundary II Unit |
| 3a. Address Route #3 Box 3630, Myton UT 84052 | | 8. Lease Name and Well No. Greater Boundary II Federal K-28-8-17 |
| 3b. Phone No. (include area code) (435) 646-3721 | | 9. API Well No. 43-013-33815 |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1853' FNL 807' FEL At proposed prod. zone SE/NE 2640' FNL 0' FEL | | 10. Field and Pool, or Exploratory Monument Butte |
| 14. Distance in miles and direction from nearest town or post office* Approximatley 12.1 miles southeast of Myton, Utah | | 11. Sec., T., R., M., or Blk. and Survey or Area Sec. 28, T8S R17E |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <small>Approx. 2640' f/lease, 2640' f/unit</small> | 16. No. of Acres in lease 1880.00 | 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. 1612' | 19. Proposed Depth 6500' | 20. BLM/BIA Bond No. on file WYB000493 |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5197' GL | 22. Approximate date work will start* 1st Quarter 2008 | 23. Estimated duration <small>Approximately seven (7) days from spud to rig release.</small> |

24. Attachments

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

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

| | | |
|---------------------------------------|--|-------------------------|
| 25. Signature | Name (Printed/Typed) Mandie Crozier | Date 10/26/07 |
| Title Regulatory Specialist | | |
| Approved by (Signature) | Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL MANAGER | Date 11-29-07 |
| Title | | |

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

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

*(Instructions on reverse)

Surf
584892X
443814Y
40.091172
-110.004186

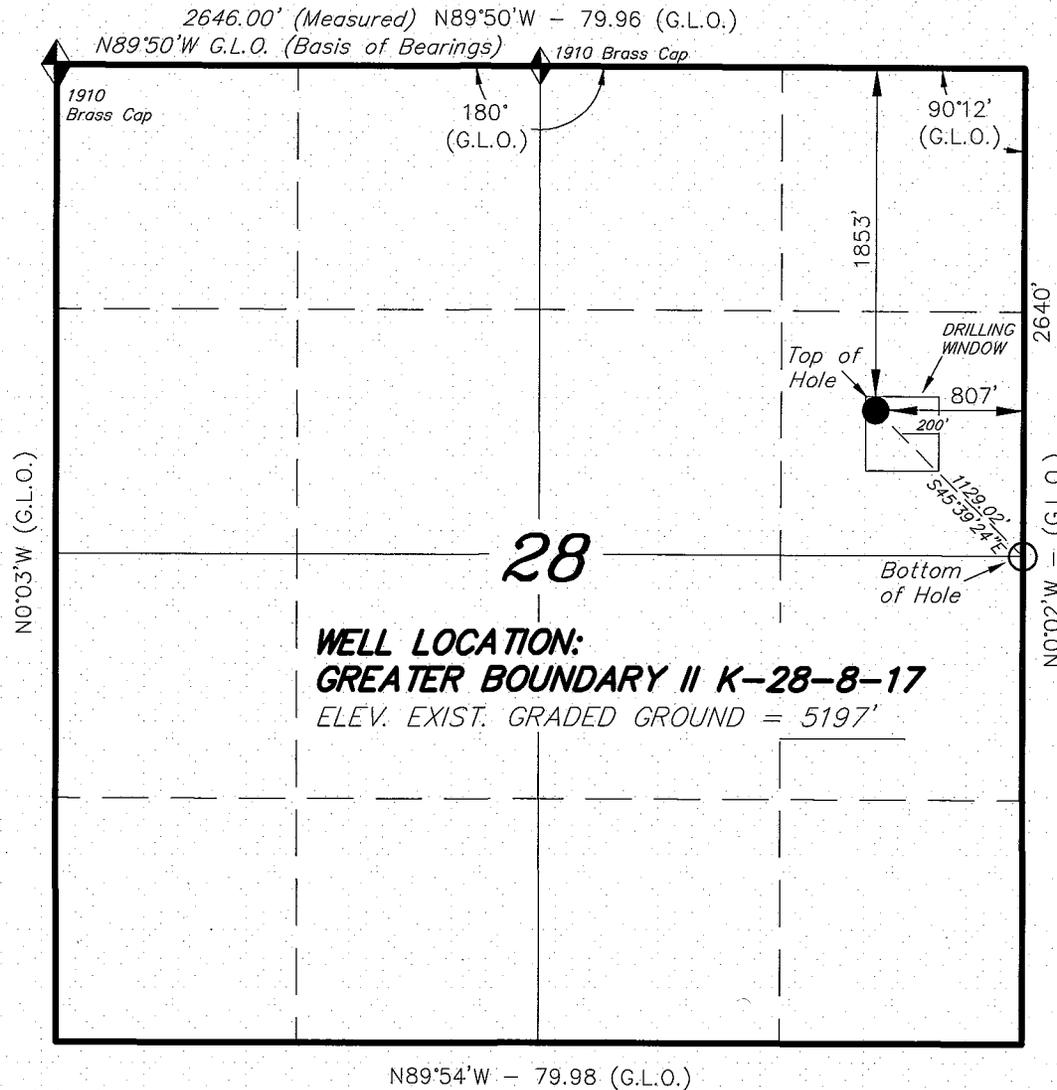
BHL
585125X
4437897Y
40.08895
-110.00149

**Federal Approval of this
Action is Necessary**

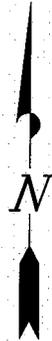
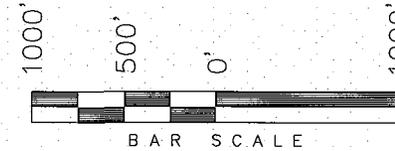
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NEWFIELD PRODUCTION COMPANY



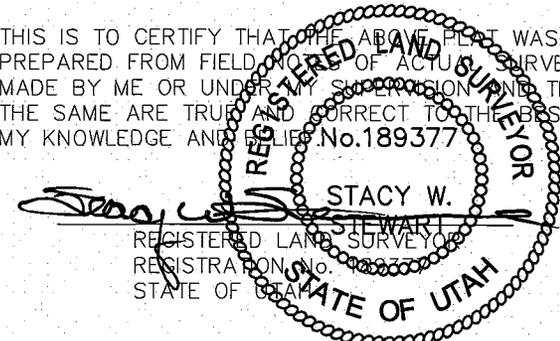
WELL LOCATION, GREATER BOUNDARY II K-28-8-17, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 28, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Notes:

1. The Proposed Well head bears S44° 42'50"E 2615.37' from the North 1/4 Corner of Section 28.
2. The bottom of hole footages are 2640' FNL & 0' FEL

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



WELL LOCATION:
GREATER BOUNDARY II K-28-8-17
 ELEV. EXIST. GRADED GROUND = 5197'

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

GREATER BOUNDARY II K-28-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 05' 27.94"
 LONGITUDE = 110° 00' 17.50"

| | |
|--|-------------------|
| TRI STATE LAND SURVEYING & CONSULTING | |
| 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501 | |
| DATE SURVEYED: 08-29-07 | SURVEYED BY: T.H. |
| DATE DRAWN: 09-17-07 | DRAWN BY: F.T.M. |
| REVISED: | SCALE: 1" = 1000' |

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL #K-28-8-17
AT SURFACE: SE/NE SECTION 28, T8S, R17E
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' – 2575' |
| Green River | 2575' |
| Wasatch | 6500' |

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

Green River Formation 2575' – 6500' - 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
GREATER BOUNDARY II FEDERAL #K-28-8-17
AT SURFACE: SE/NE SECTION 28, T8S, R17E
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 Greater Boundary II Federal #K-28-8-17 located in the SE 1/4 NE 1/4 Section 28, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly - 5.9 miles ± to it's junction with an existing dirt road to the east; proceed easterly - 1.0 miles ± to it's junction with an existing road to the south; proceed southerly - 0.9 miles ± to it's junction with an existing road to the east; proceed easterly - 1.9 miles ± to it's junction with an existing road to the south; proceed southeasterly - 1.0 miles ± to it's junction with the existing Tar Sands Federal 8-28-8-17 well location.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Tar Sands Federal 8-28-8-17 well pad. See attached **Topographic Map "B"**.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the Tar Sands Federal 8-28-8-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Greater Boundary II Federal K-28-8-17. All permanent surface equipment will be painted Carlsbad Canyon.

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

Johnson Water District
Water Right: 43-10136

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well

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

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Greater Boundary II Federal K-28-8-17 will be drilled off of the existing Tar Sands Federal 8-28-8-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

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 160' of disturbed area be granted in Lease UTU-76241 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

Mountain Plover: If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new

construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

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 Greater Boundary II Federal K-28-8-17 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

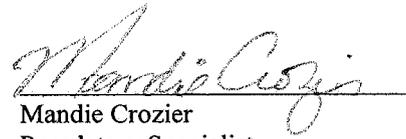
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #K-28-8-17 SE/NE Section 28, Township 8S, Range 17E: Lease UTU-76241 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

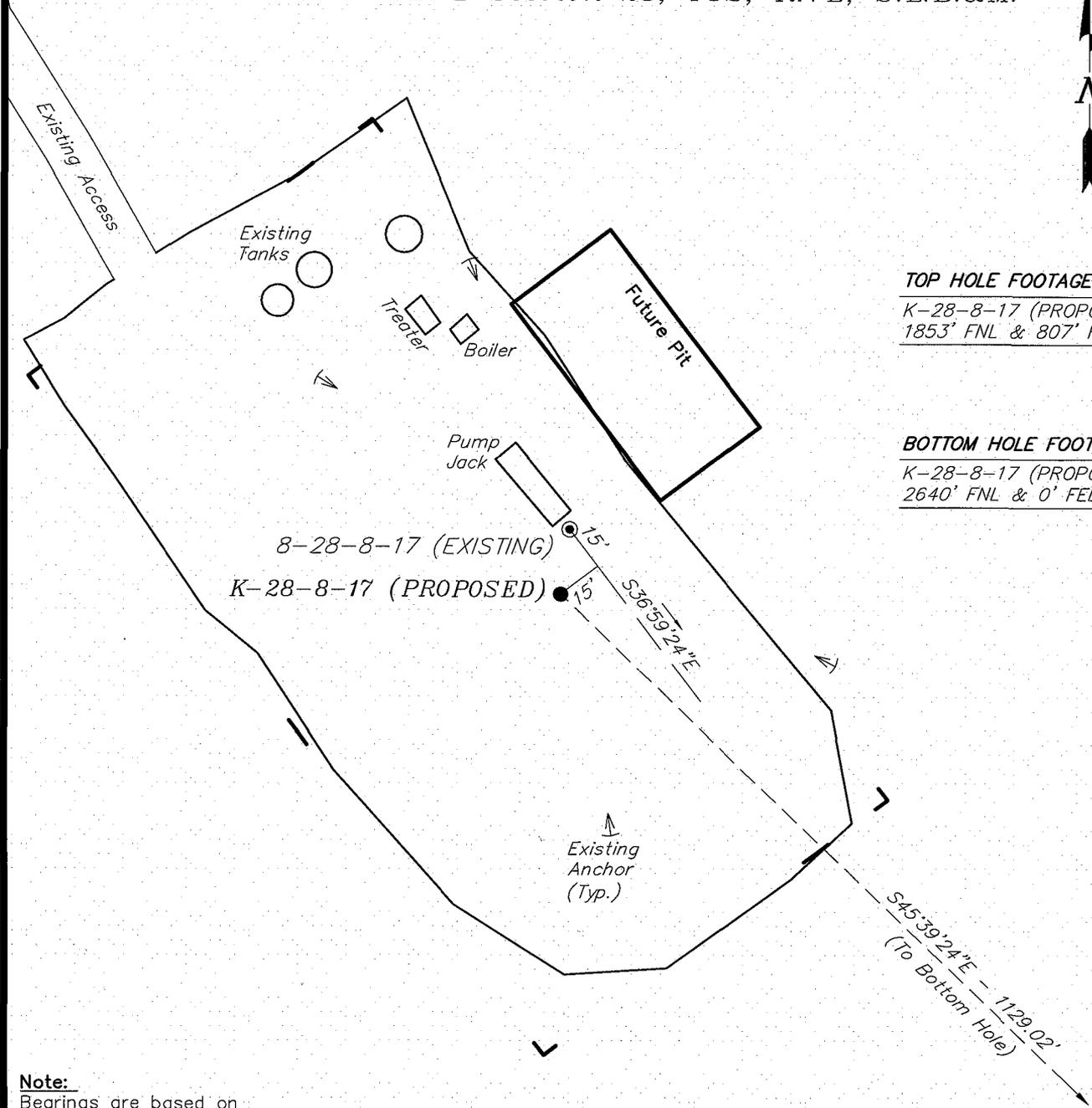
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY II K-28-8-17 (Proposed Well)

GREATER BOUNDARY II 8-28-8-17 (Existing Well)

Pad Location: SENE Section 28, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

K-28-8-17 (PROPOSED)
1853' FNL & 807' FEL

BOTTOM HOLE FOOTAGES

K-28-8-17 (PROPOSED)
2640' FNL & 0' FEL

Note:
Bearings are based on
GLO Information.

| RELATIVE COORDINATES From top hole to bottom hole | | |
|--|-------|------|
| WELL | NORTH | EAST |
| K-28-8-17 | -789' | 807' |

| LATITUDE & LONGITUDE Surface position of Wells (NAD 83) | | |
|--|----------------|-----------------|
| WELL | LATITUDE | LONGITUDE |
| K-28-8-17 | 40° 05' 27.94" | 110° 00' 17.50" |
| 8-28-8-17 | 40° 05' 28.15" | 110° 00' 17.46" |

| | |
|-------------------|-------------------------|
| SURVEYED BY: T.H. | DATE SURVEYED: 08-29-07 |
| DRAWN BY: F.T.M. | DATE DRAWN: 09-17-07 |
| SCALE: 1" = 50' | REVISED: |

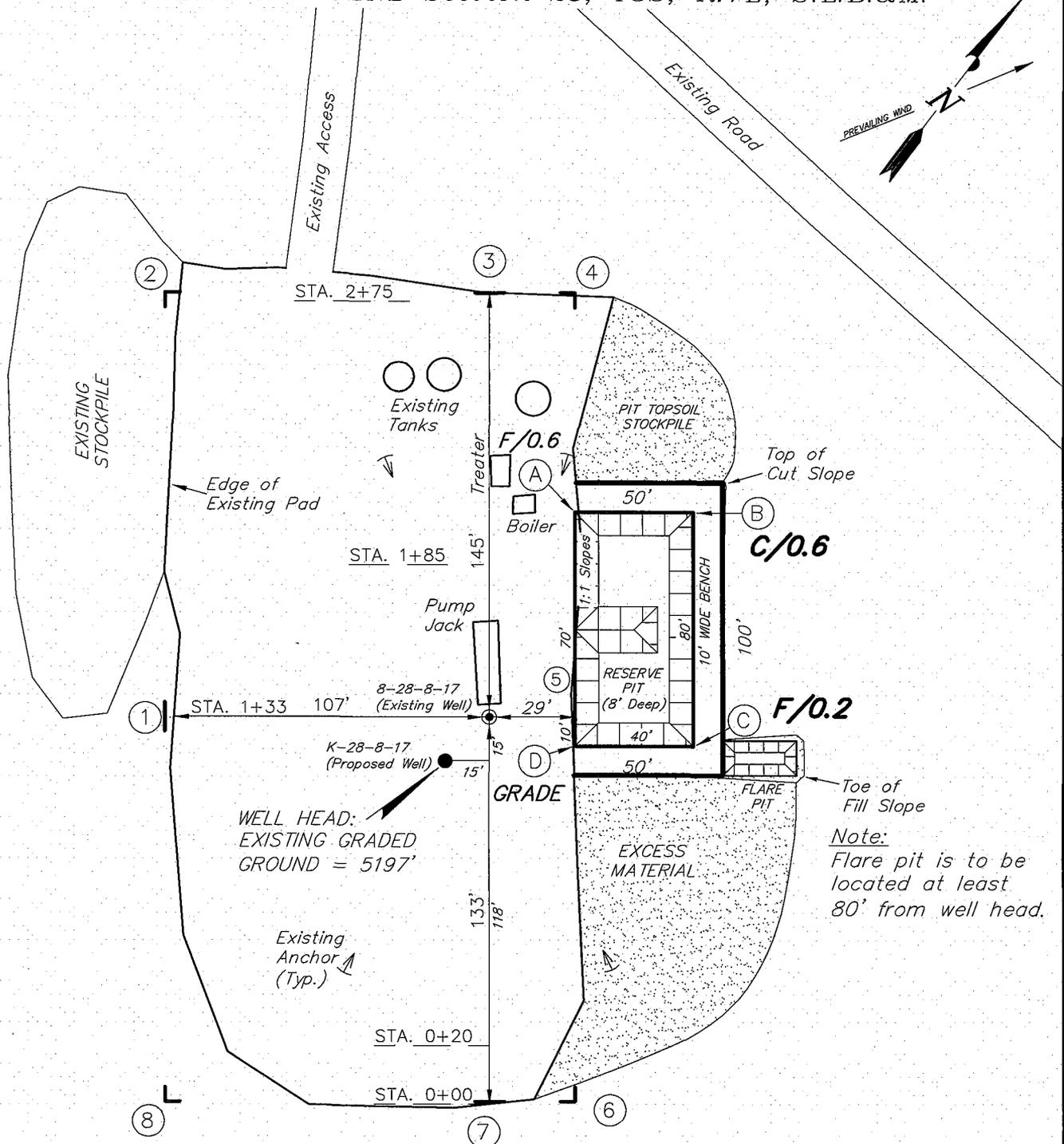
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY II K-28-8-17 (Proposed Well)

GREATER BOUNDARY II 8-28-8-17 (Existing Well)

Pad Location: SENE Section 28, T8S, R17E, S.L.B.&M.



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

| | | |
|-------------------|-------------------------|--|
| SURVEYED BY: T.H. | DATE SURVEYED: 08-29-07 | |
| DRAWN BY: F.T.M. | DATE DRAWN: 09-17-07 | |
| SCALE: 1" = 50' | REVISED: | |

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

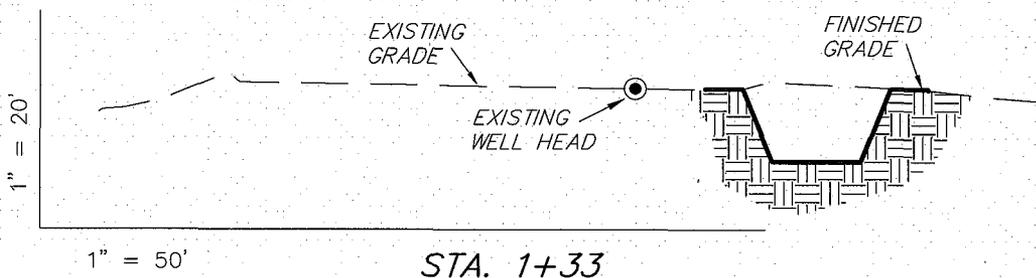
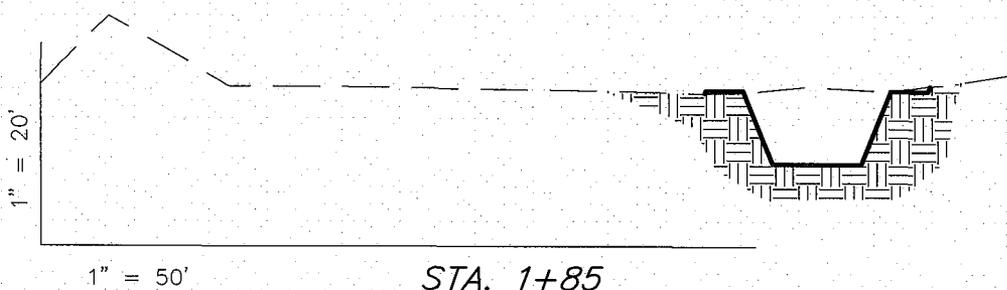
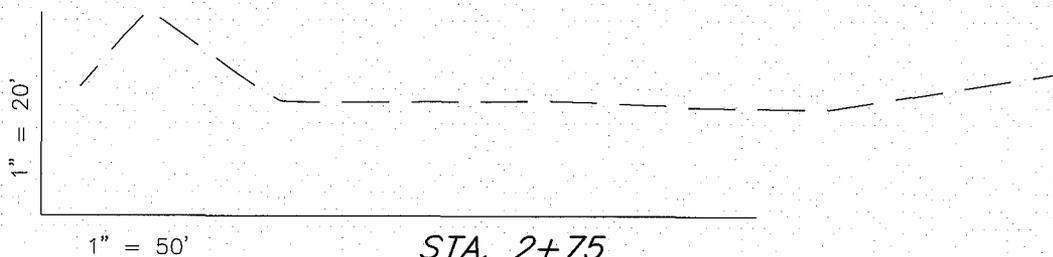
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY II K-28-8-17 (Proposed Well)

GREATER BOUNDARY II 8-28-8-17 (Existing Well)



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

| ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards) | | | | |
|---|-----|------|--|--------|
| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
| PAD | 50 | 30 | Topsoil is not included in Pad Cut | 20 |
| PIT | 640 | 0 | | 640 |
| TOTALS | 690 | 30 | 120 | 660 |

| | |
|-------------------|-------------------------|
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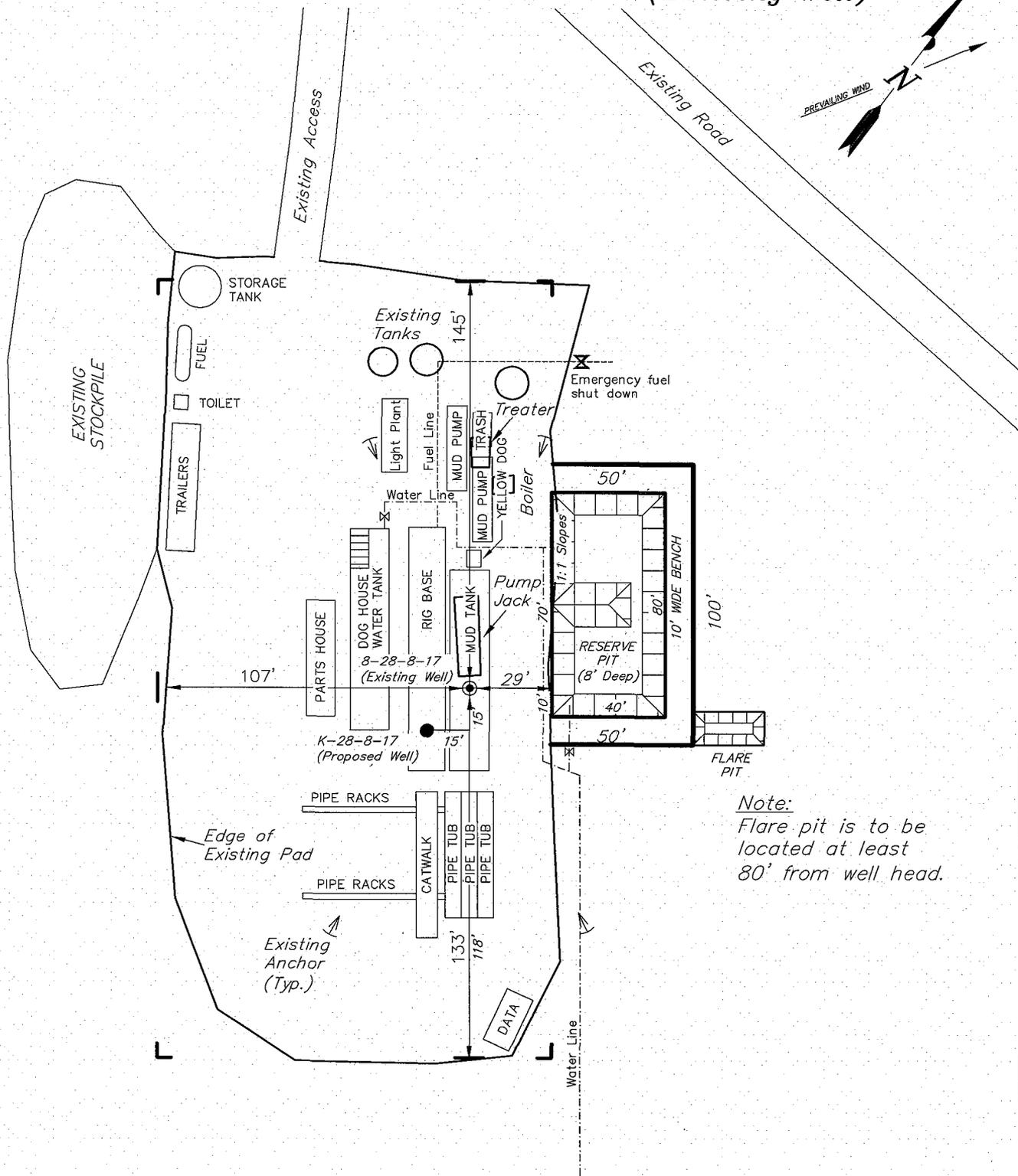
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NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

GREATER BOUNDARY II K-28-8-17 (Proposed Well)

GREATER BOUNDARY II 8-28-8-17 (Existing Well)



| | |
|-------------------|-------------------------|
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| DRAWN BY: F.T.M. | DATE DRAWN: 09-17-07 |
| SCALE: 1" = 50' | REVISED: |

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

Newfield Production Company Proposed Site Facility Diagram

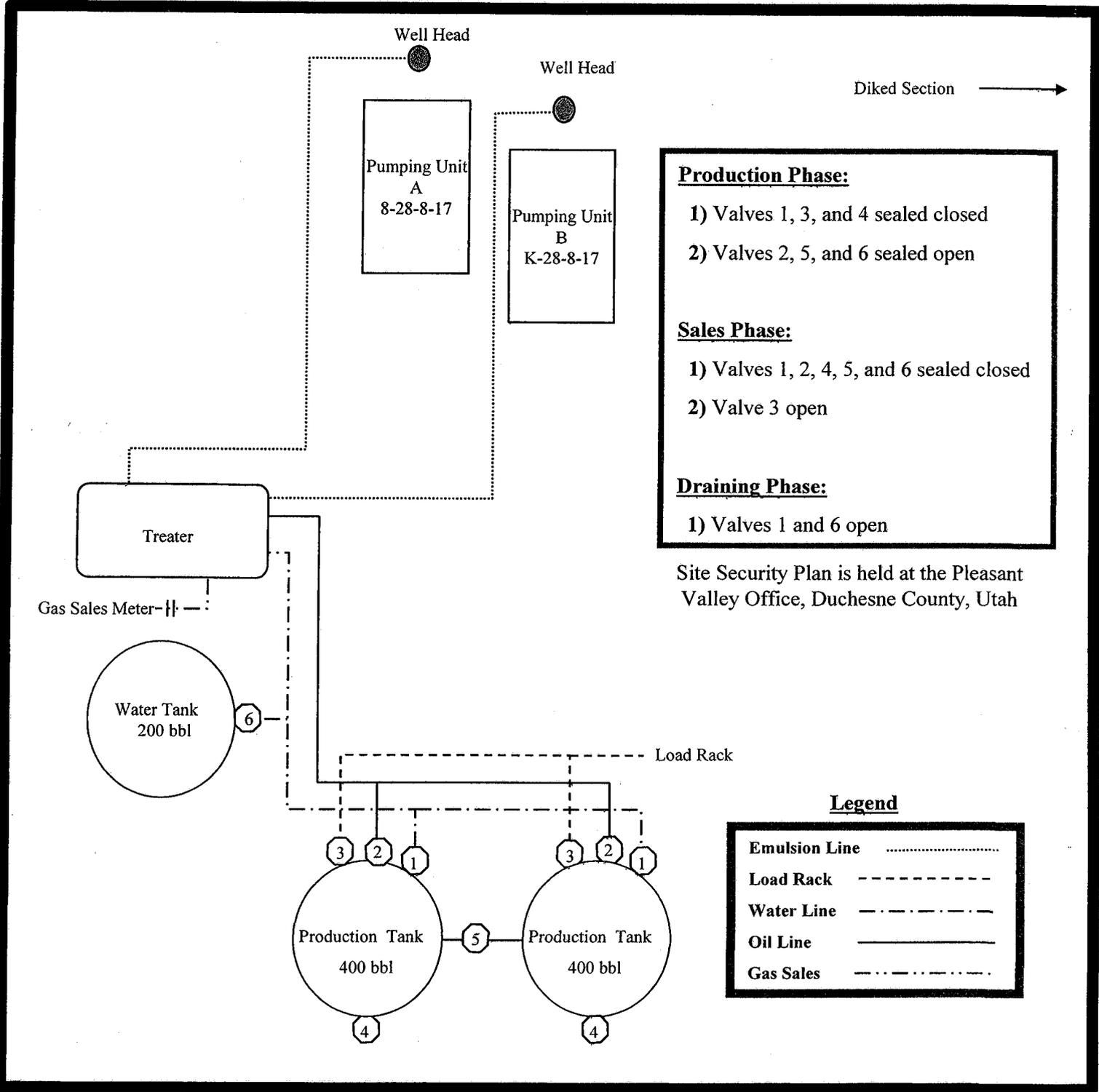
Greater Boundary II Federal K-28-8-17

From the 8-28-8-17 Location

SE/NE Sec. 28 T8S, 17E

Duchesne County, Utah

UTU-76241

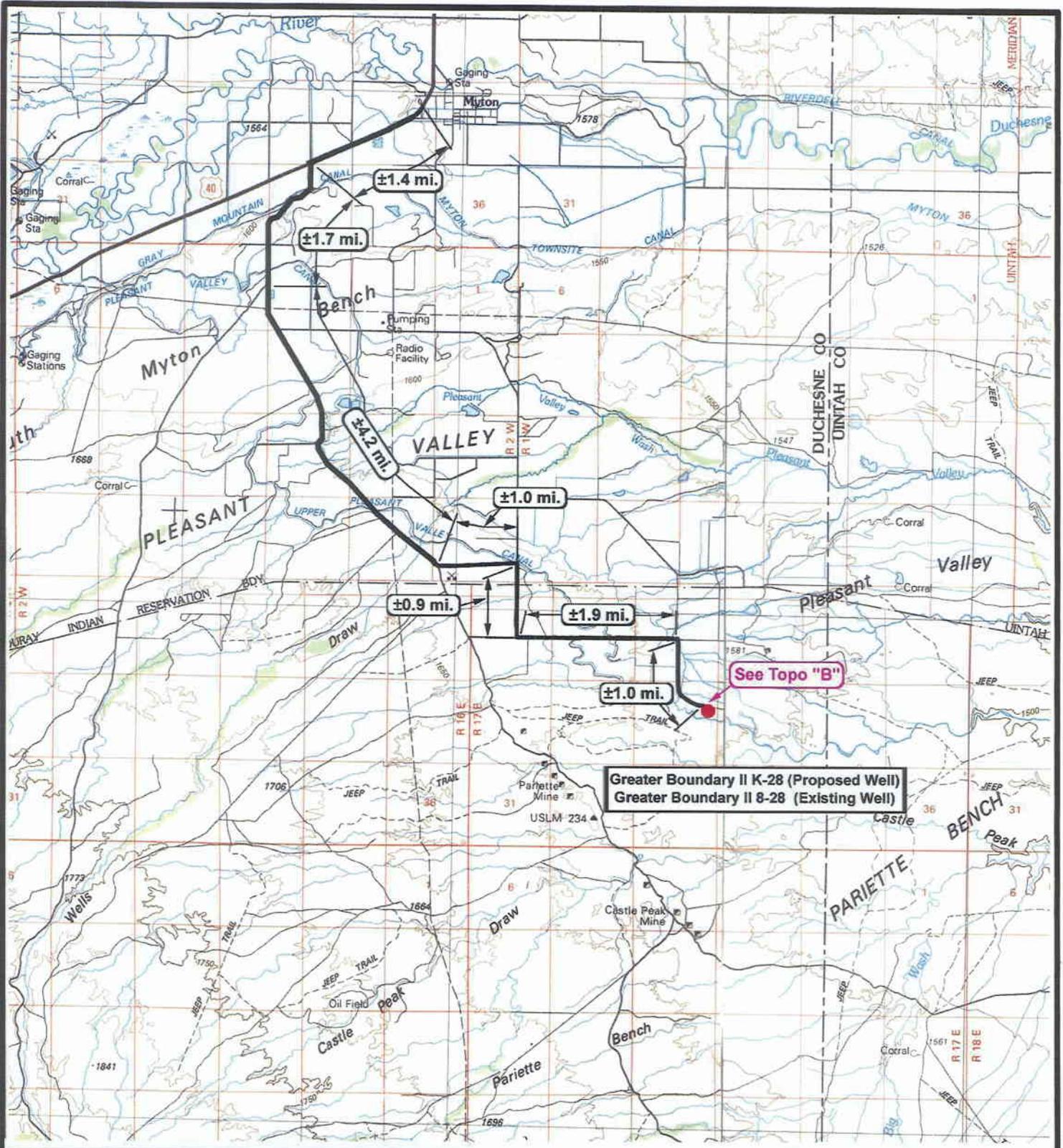


- Production Phase:**
- 1) Valves 1, 3, and 4 sealed closed
 - 2) Valves 2, 5, and 6 sealed open
- Sales Phase:**
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
 - 2) Valve 3 open
- Draining Phase:**
- 1) Valves 1 and 6 open

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

Legend

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



NEWFIELD
Exploration Company

Greater Boundary II K-28-8-17 (Proposed Well)
Greater Boundary II 8-28-8-17 (Proposed Well)
 Pad Location: SENE Sec. 28, T8S, R17E, S.L.B.&M.



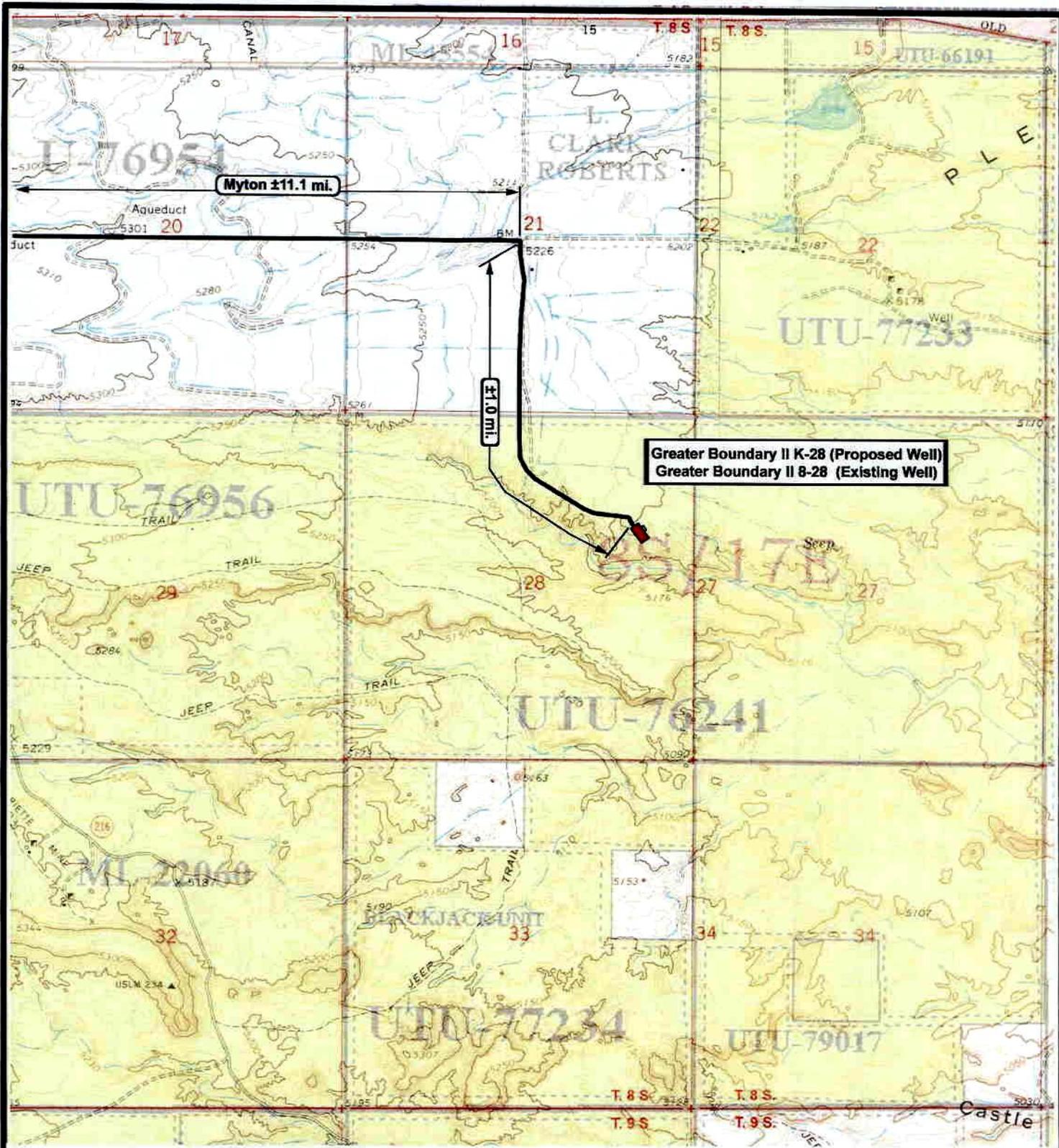
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: mw
 DATE: 10-04-2007

Legend

Existing Road

TOPOGRAPHIC MAP
"A"




NEWFIELD
Exploration Company

Greater Boundary II K-28-8-17 (Proposed Well)
Greater Boundary II 8-28-8-17 (Proposed Well)
 Pad Location: SENE Sec. 28, T8S, R17E, S.L.B.&M.




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

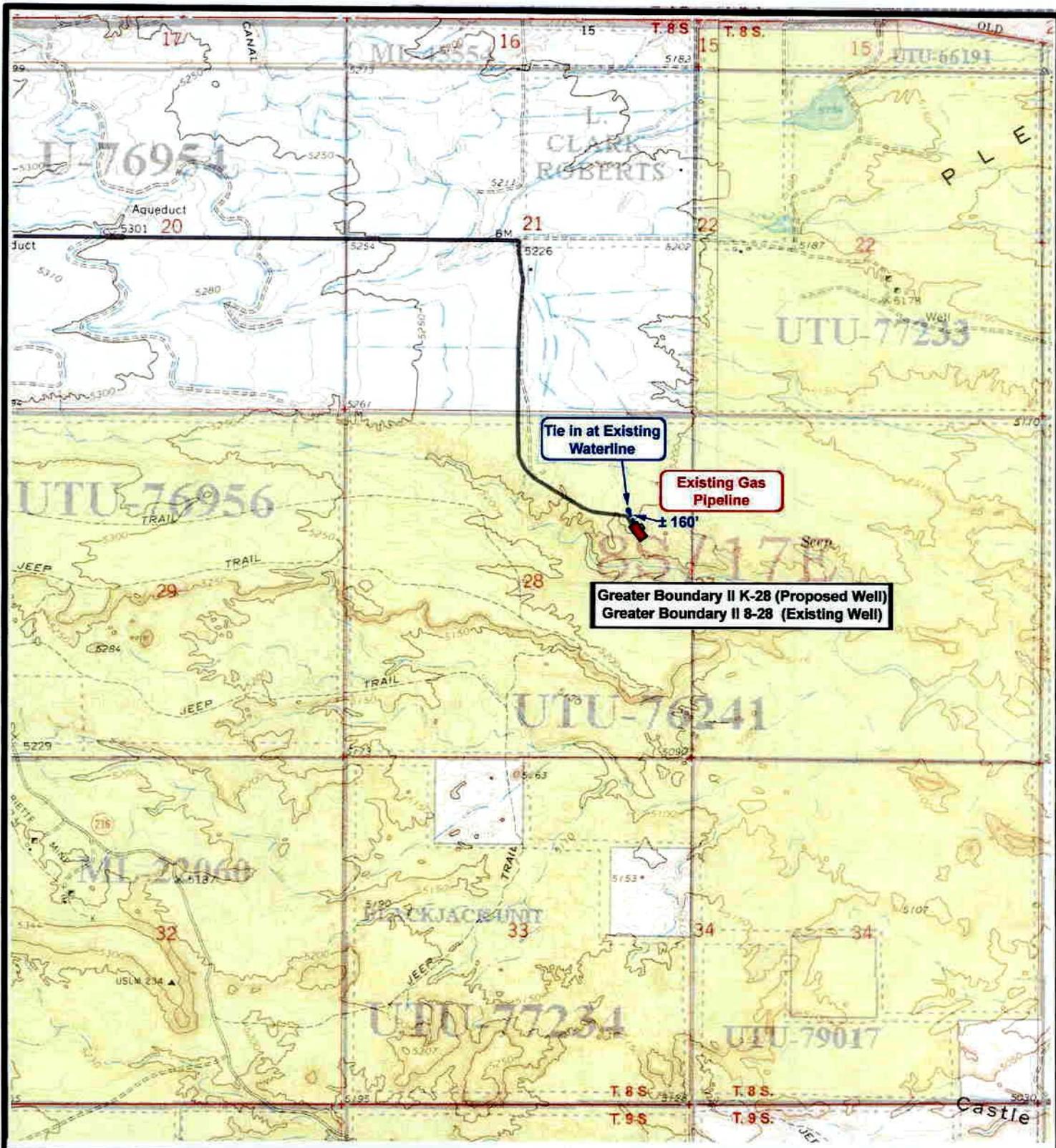
SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 10-04-2007

Legend

Existing Road

TOPOGRAPHIC MAP

"B"





NEWFIELD
 Exploration Company

Greater Boundary II K-28-8-17 (Proposed Well)
Greater Boundary II 8-28-8-17 (Proposed Well)
 Pad Location: SENE Sec. 28, T8S, R17E, S.L.B.&M.



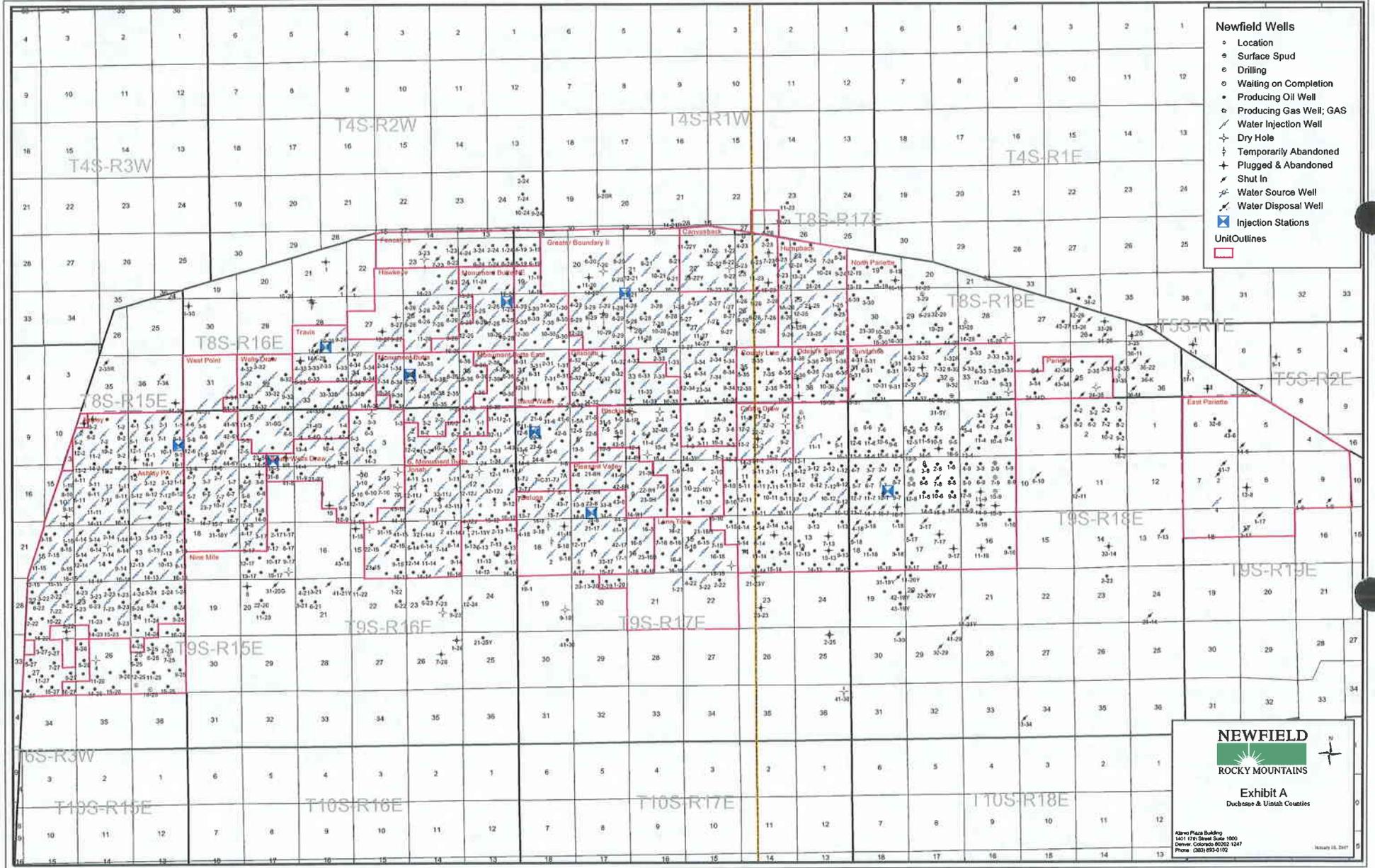

Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 10-04-2007

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

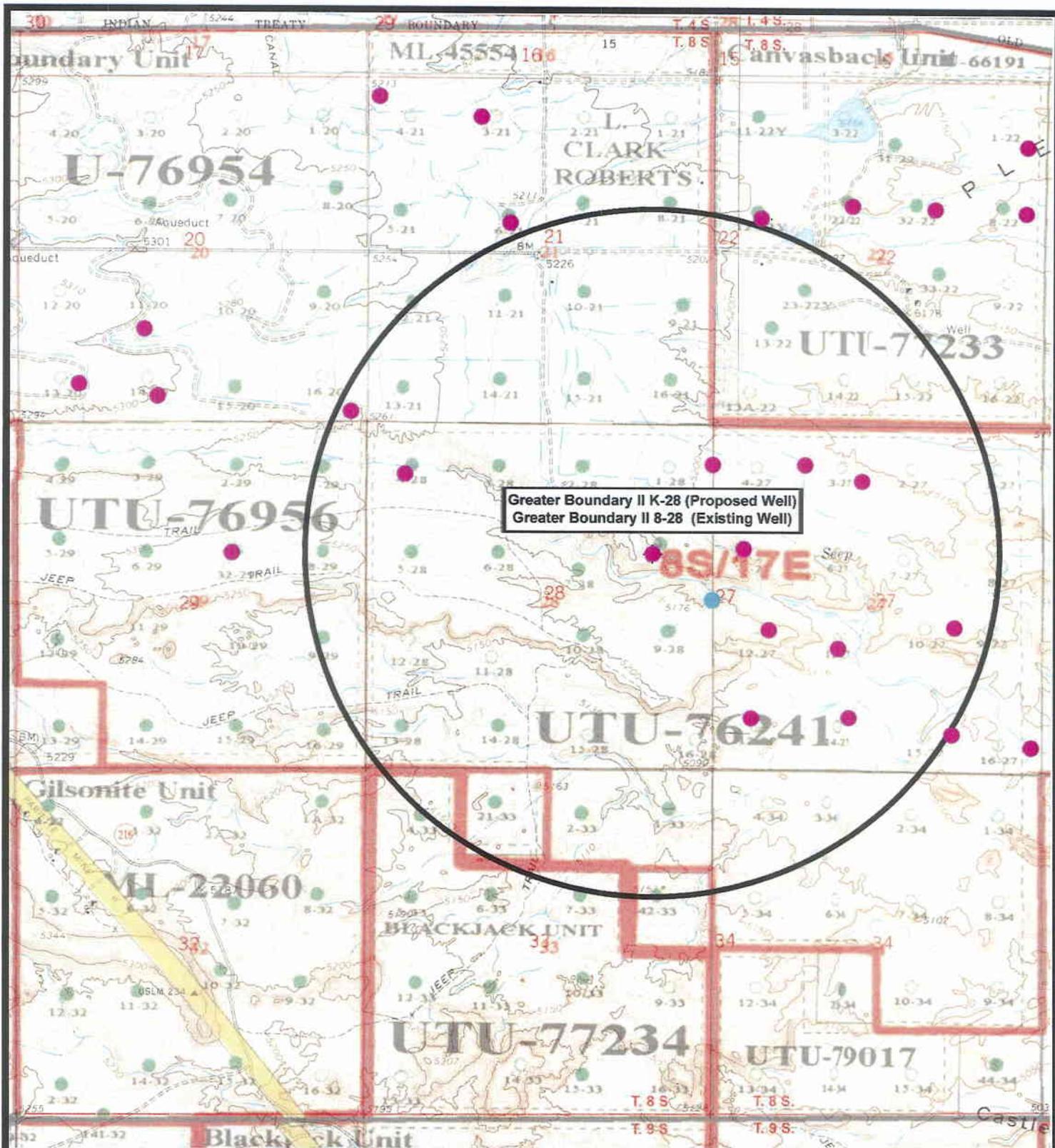
NEWFIELD

 ROCKY MOUNTAINS

Exhibit A
 Duchesne & Uintah Counties

Alvord Plaza Building
 1401 17th Street, Suite 1800
 Denver, Colorado 80202-1247
 Phone: (303) 693-9102

February 18, 2007



NEWFIELD
Exploration Company

Greater Boundary II K-28-8-17 (Proposed Well)
Greater Boundary II 8-28-8-17 (Existing Well)
Pad Location: SENE SEC. 28, T8S, R17E, S.L.B.&M.

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

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 10-04-2007

Legend

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

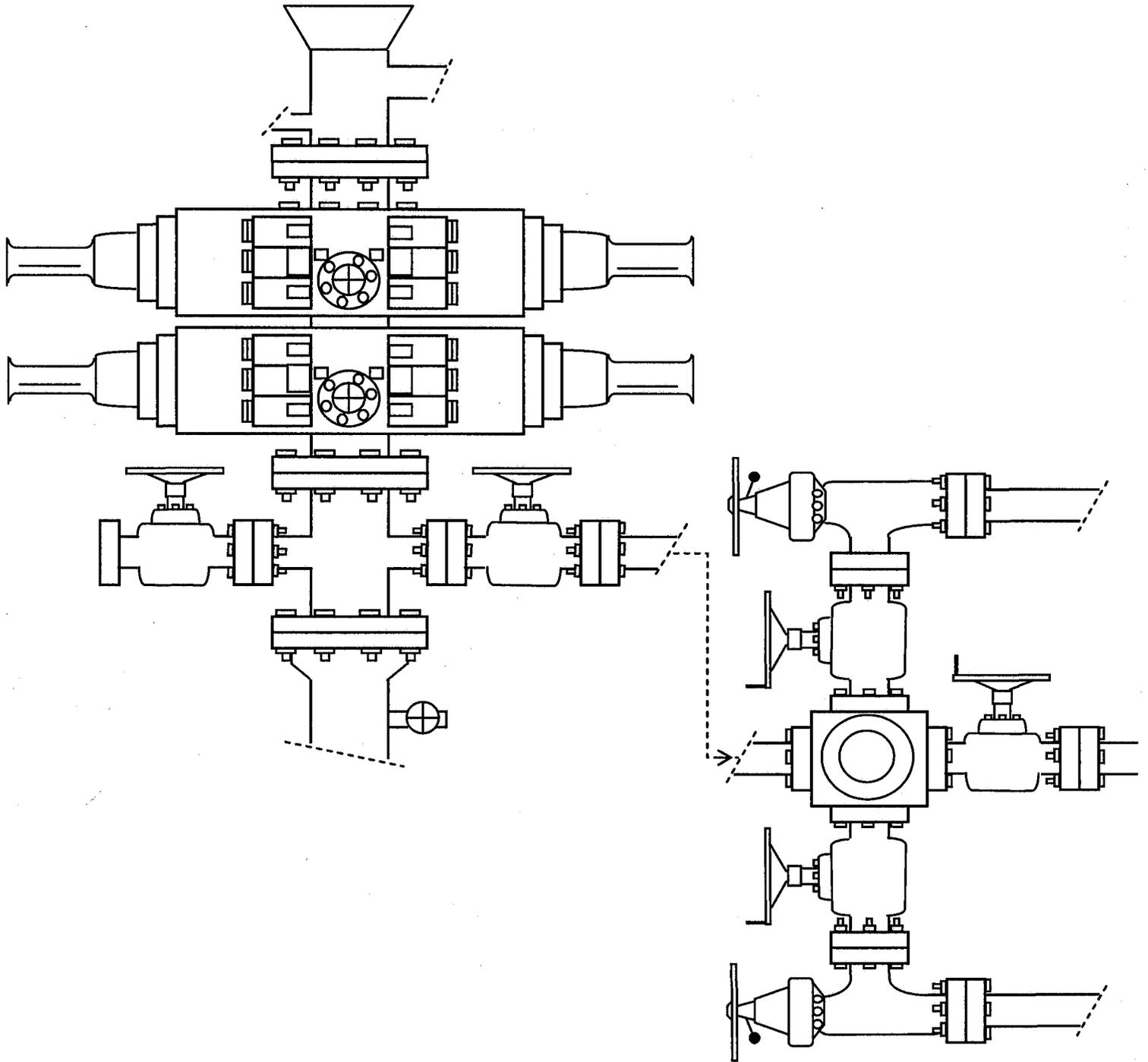


EXHIBIT C

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF
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

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: 43-013-33815

WELL NAME: GB II FED K-28-8-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 28 080S 170E
 SURFACE: 1853 FNL 0807 FEL
 BOTTOM: 2640 FNL 0000 FEL *Sec 27*
 COUNTY: DUCHESNE
 LATITUDE: 40.09117 LONGITUDE: -110.0042
 UTM SURF EASTINGS: 584892 NORTHINGS: 4438141
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-76241
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-10136)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

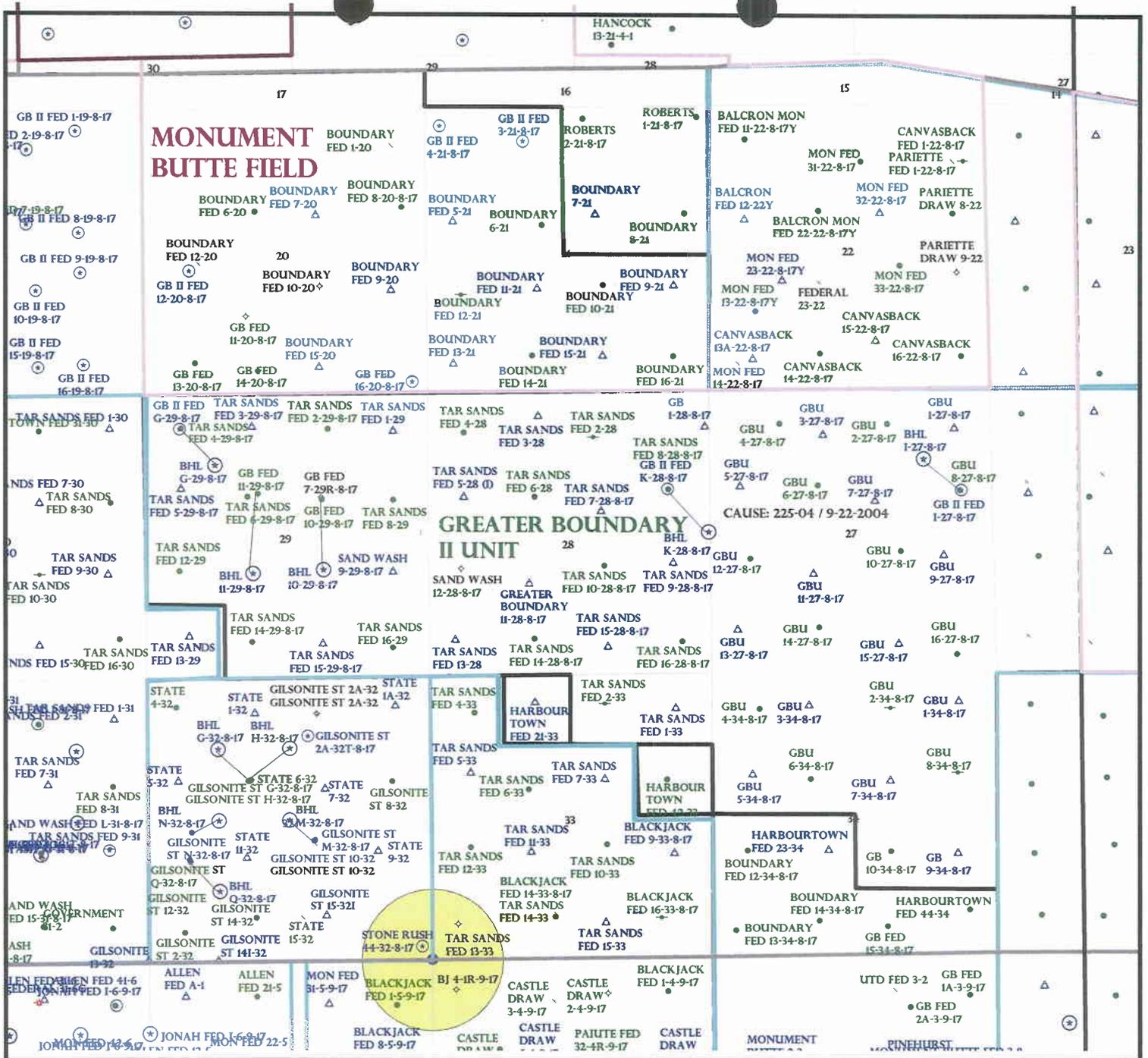
- R649-2-3.
- Unit: GREATER BOUNDARY II (GR)
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 225-04
Eff Date: 9-22-04
Siting: Suspends General Siting
- R649-3-11. ~~Directional Drill~~

COMMENTS:

See Separate file

STIPULATIONS:

1- Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 27,28,29 T.8S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

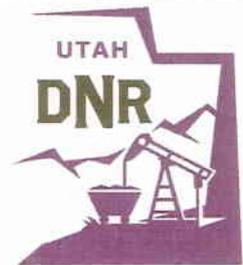
CAUSE: 225-04 / 9-22-2004

| 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: 28-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 Greater Boundary 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 Greater Boundary Unit, Duchesne County, Utah.

| API# | WELL NAME | LOCATION |
|---------------------------|---------------------|--|
| (Proposed PZ Green River) | | |
| 43-013-33814 | GB II FED I-27-8-17 | Sec 27 T08S R17E 1906 FNL 0616 FEL BHL Sec 27 T08S R17E 1323 FNL 1318 FEL |
| 43-013-33815 | GB II FED K-28-8-17 | Sec 28 T08S R17E 1853 FNL 0807 FEL BHL Sec 28 T08S R17E 2640 FNL 0000 FEL |
| 43-013-33816 | GB II FED G-29-8-17 | Sec 29 T08S R17E 0642 FNL 0672 FWL BHL Sec 29 T08S R17E 1323 FNL 1326 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 - Greater Boundary 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: Greater Boundary II Federal K-28-8-17 Well, Surface Location 1853' FNL, 807' FEL, SE NE, Sec. 28, T. 8 South, R. 17 East, Bottom Location 2640' FNL, 0000' FEL, SE NE, Sec. 27, T. 8 South, R. 17 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 43-013-33815.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company
Well Name & Number Greater Boundary II Federal K-28-8-17
API Number: 43-013-33815
Lease: UTU-76241

Surface Location: SE NE Sec. 28 T. 8 South R. 17 East
Bottom Location: SE NE Sec. 27 T. 8 South R. 17 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

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

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

3. Reporting Requirements

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

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

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

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-76241

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY II

8. Well Name and No.

GRTR BOUND II FED. K-28-8-17

9. API Well No.

43-013-33815

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

| | | |
|--|-----------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> Oil Well | <input type="checkbox"/> Gas Well | <input type="checkbox"/> Other |
|--|-----------------------------------|--------------------------------|

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

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

1853 FNL 807 FEL SE/NE Section 28, T8S R17E

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

TYPE OF SUBMISSION

TYPE OF ACTION

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

| |
|---|
| <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Plugging Back |
| <input type="checkbox"/> Casing Repair |
| <input type="checkbox"/> Altering Casing |
| <input checked="" type="checkbox"/> Other 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 direction-ally 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

Date: 10/30/08
By: D James

COPY SENT TO OPERATOR

Date: 10.30.2008

Initials: KS

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

Signed Mandie Crozier 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

RECEIVED

OCT 29 2008



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

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

API: 43-013-33815
Well Name: Greater Boundary II Federal K-28-8-17
Location: SE/NE Section 28, T8S R17E
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

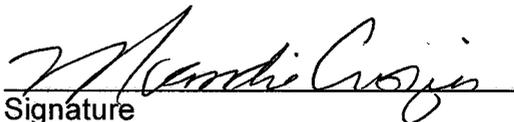
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-76241

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

7. If Unit or CA Agreement, Name and No.
Greater Boundary II Unit

8. Lease Name and Well No.
Greater Boundary II Federal K-28-8-17

9. API Well No.
43-013-33815

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

10. Field and Pool, or Exploratory
Monument Butte

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

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

At surface SE/NE 1853' FNL 807' FEL (Sec. 28, T8S R17E)
At proposed prod. zone NW/SW 2695' FNL 147' FWL (Sec. 27, T8S R17E)

Sec. 28, T8S R17E

14. Distance in miles and direction from nearest town or post office*

12. County or Parish

13. State

Approximatley 12.1 miles southeast of Myton, Utah

Duchesne

UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2695' f/lease, 2695' f/unit

16. No. of Acres in lease

17. Spacing Unit dedicated to this well

1880.00

20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1280'

19. Proposed Depth

20. BLM/BIA Bond No. on file

6500'

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5197' GL

22. Approximate date work will start*

23. Estimated duration

2nd Quarter 2008

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

24. Attachments

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

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

25. Signature *Mandi Crozier*

Name (Printed/Typed)
Mandi Crozier

Date
2/19/08

Title
Regulatory Specialist

Approved by (Signature) *Jeany Kavelka*
Title Assistant Field Manager
Lands & Mineral Resources

Name (Printed/Typed)
Jeany Kavelka
Office

VERNAL FIELD OFFICE

NOV 06 2008

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

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

*(Instructions on reverse)

NOTICE OF APPROVAL RECEIVED
RECEIVED

NOV 20 2007

NOV 17 2008

BLM VERNAL, UTAH

DIV. OF OIL, GAS & MINING

UDOGM



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

| | | | |
|-----------------|--|-------------------|-----------------------------------|
| Company: | Newfield Production Company | Location: | SENE, Sec. 28, T8S, R17E |
| Well No: | Greater Boundary II Federal K-28-8-17 | Lease No: | UTU-76241 |
| API No: | 43-013-33815 | Agreement: | Greater Boundary (GR) Unit |

| Title | Name | Office Phone Number | Cell Phone Number |
|-----------------------------------|-----------------|----------------------------|--------------------------|
| Petroleum Engineer: | Matt Baker | (435) 781-4490 | (435) 828-4470 |
| Petroleum Engineer: | Michael Lee | (435) 781-4432 | (435) 828-7875 |
| Petroleum Engineer: | James Ashley | (435) 781-4470 | (435) 828-7874 |
| Petroleum Engineer: | Ryan Angus | (435) 781-4430 | (435) 828-7368 |
| Supervisory Petroleum Technician: | Jamie Sparger | (435) 781-4502 | (435) 828-3913 |
| Supervisory NRS: | Karl Wright | (435) 781-4484 | |
| NRS/Enviro Scientist: | Holly Villa | (435) 781-4404 | (435) 828-3544 |
| NRS/Enviro Scientist: | James Hereford | (435) 781-3412 | (435) 828-3546 |
| NRS/Enviro Scientist: | Chuck Macdonald | (435) 781-4441 | (435) 828-7481 |
| NRS/Enviro Scientist: | Dan Emmett | (435) 781-3414 | (435) 828-4029 |
| NRS/Enviro Scientist: | Paul Percival | (435) 781-4493 | (435) 828-7381 |
| NRS/Enviro Scientist: | Anna Figueroa | (435) 781-3407 | (435) 828-3548 |
| NRS/Enviro Scientist: | Verlyn Pindell | (435) 781-3402 | (435) 828-3547 |
| NRS/Enviro Scientist: | Nathan Packer | (435) 781-3405 | (435) 828-3545 |

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

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

STIPULATIONS:

- The proposed area contains Mountain plover habitat. With this occurrence there will be a timing restriction during project activity (construction and drilling) to minimize disturbance to **Mountain plover nesting from May 15 – June 15.**

Lease Notices (field review and RMP):

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

Comments:

1. If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

Follow-up Actions and/or Recommendations:

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

Based on the previous field exam and existing data, and if all timing restrictions are adhered to then, it is my opinion that a no effect situation exists for Special Status Wildlife Species with the construction and drilling of this proposed drill site. Therefore, this site is cleared from a Special Status Wildlife Species perspective.

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- **All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.**
- **A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.**
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.

- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, a detailed Interim and Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. If Reclamation Plan is acceptable, the AO will provide written approval or concurrence within 30 calendar days of receipt.

• **Interim Reclamation:**

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

Seed mix:

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

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

• **Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location

shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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

SITE SPECIFIC DOWNHOLE COAs:

- None.

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 ($\frac{1}{4}$, 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.

BLM - Vernal Field Office - ^{Spud} Notification Form

Operator Newfield Exploration Rig
Name/# Ross #24 Submitted By Alvin
Nielsen Phone Number 435-823-
7468
Well Name/Number Greater Boundary II Fed K-28-8-
17
Qtr/Qtr SE/NE Section 28 Township 8S Range
17E
Lease Serial Number UTU
76241
API Number 43-013-
33815

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

Date/Time 1/23/09 9:00 AM
PM

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

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

Date/Time 1/23/09 3:00 AM PM

BOPE

Initial BOPE test at surface casing point

- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time 1/23/09 9:00 AM
PM

Remarks Ross Rig # 24 spud the Greater Boundary II Federal K-
28-8-17 on 1/23/09 @ 9:00 AM & Run casing around 3:00 PM
1/23/09.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-76241

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

8. Well Name and No.
GREATER BOUNDARY II FEDERAL < 25-8 17

9. API Well No.
4301333815

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1853 FNL 807 FEL
SENE Section 28 T8S R17E

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

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

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

On 1/23/09 MIRU Ross # 24. Spud well @ 9:00am. Drill 360' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 367.96' KB On 1/28/09 cement with 200 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

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

Signature *Don Bastian*

Title
Drilling Foreman

Date
01/28/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on page 2)

RECEIVED
FEB 02 2009

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3638
MYTON, UT 84002

OPERATOR ACCT. NO. 82695

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | COUNTY | SPUD DATE | EFFECTIVE DATE |
|---|--------------------|----------------|------------|--|---------------|----|----|-----|----------|-----------|----------------|
| | | | | | Q1 | Q2 | T1 | R1 | | | |
| A | 99999 | 17268 | 4304739198 | OSMOND-MEYER 14-28-4-1E | SESW | 28 | 4S | 1E | UINTAH | 1/20/2009 | 1/29/09 |
| WELL 1 COMMENTS: <u>GRRV</u> | | | | | | | | | | | |
| B | 99999 | 12391 | 4301333601 | GREATER BOUNDARY II FEDERAL 3-21-8-17 | NENW | 21 | 8S | 17E | DUCHESNE | 1/16/2009 | 1/29/09 |
| WELL 2 COMMENTS: <u>GRRV</u> | | | | | | | | | | | |
| B | 99999 | 12391 | 4301333816 | GREATER BOUNDARY II FEDERAL G-29-8-17 | NYNW | 29 | 8S | 17E | DUCHESNE | 1/20/2009 | 1/29/09 |
| WELL 3 COMMENTS: <u>GRRV</u> <u>BHL = NWNW</u> | | | | | | | | | | | |
| A | 99999 | 17269 | 4304740258 | OSMOND-MEYER 12-28-4-1E | NWSW | 28 | 4S | 1E | UINTAH | 1/15/2009 | 1/29/09 |
| WELL 4 COMMENTS: <u>GRRV</u> | | | | | | | | | | | |
| A | 99999 | 17270 | 4304740260 | OSMOND-MEYER 10-28-4-1E | NWSE | 28 | 4S | 1E | UINTAH | 1/22/2009 | 1/29/09 |
| WELL 5 COMMENTS: <u>GRRV</u> | | | | | | | | | | | |
| B | 99999 | 12391 | 4301333815 | GREATER BOUNDARY FEDERAL K-28-8-17 | SENE | 28 | 8S | 17E | DUCHESNE | 1/23/2009 | 1/29/09 |
| WELL 6 COMMENTS: <u>GRRV</u> <u>BHL = SENE</u> | | | | | | | | | | | |

RECEIVED

JAN 26 2009

DIV. OF OIL, GAS & MINING

- ACTION CODES (See instructions on back of form)
- A - new well for new well (single well only)
 - B - well to existing well (open or not used)
 - C - new well existing well to another existing well
 - D - well from one existing well to a new well
 - E - shut (plug) in existing well

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

Signature: [Handwritten Signature]
Production Clerk
Jenri Park
1/29/09
84000-
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1853 FNL 807 FEL
SENE Section 28 T8S R17E

5. Lease Serial No.

USA UTU-76241

6. If Indian, Allottee or Tribe Name.

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

GREATER BOUNDARY II

8. Well Name and No.

GREATER BOUNDARY II FEDERAL K-28-8-17

9. API Well No.

4301333815

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

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

On 2/5/09 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 323'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,575'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 166 jt's of 5.5 J-55, 15.5# csgn. Set @ 6565.61' / KB. Cement with 275 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 475 sks cement mixed @ 14.4 ppg & 1.24 yld. With 35 bbls cement returned to pit. Nipple down Bop's. Drop slips @80,000 #'s tension. Release rig 6:00 AM 2/12/09.

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

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

02/13/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title

Office

Date

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

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(Instructions on page 2)

FEB 18 2009

DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-76241

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:
GREATER BOUNDARY II

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GREATER BOUNDARY II FEDERAL *K-28-8-17*

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333815

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1853 FNL 807 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE, 28, T8S, R17E

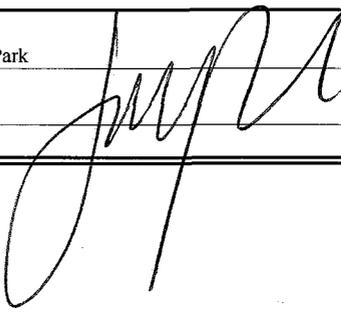
STATE: UT

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|---|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/08/2009 | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARITLY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLAIR |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/STOP) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input checked="" type="checkbox"/> OTHER: - Weekly Status Report |
| | <input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | |

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

The above subject well was completed on 03-19-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk
SIGNATURE  DATE 05/08/2009

(This space for State use only)

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MAY 12 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GRTR BNDRY II K-28-8-17**1/1/2009 To 5/30/2009****3/10/2009 Day: 1****Completion**

Rigless on 3/10/2009 - CBL & Perf'd stage #1- Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6476' & cement top @ 90'. Perforate stage #1, CP4 sds @ 6360-68-' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 32 shots. RD WLT. 155 BWTR. RDWLT. SWIFN.

3/12/2009 Day: 2**Completion**

Rigless on 3/12/2009 - Frac 4 stages & shot 5th. Will finish in morning.- RU BJ Services "Ram Head" frac flange. RU BJ & frac CP4 sds down casing w/ 15,512#'s of 20/40 sand in 303 bbls of Lightning 17 frac fluid. Open well w/ 122 psi on casing. Perfs broke down @ 3255. ISIP was 2527 w/ .83FG. 1 min w/ 1353. 4 min w/ 1301. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2611 w/ ave rate of 23bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 2540 w/ .83 FG. 5 min was 2320. 10 min was 2198. 15 min was 2124.

3/12/2009 Day: 2**Completion**

Rigless on 3/12/2009 - Frac 4 stages & shot 5th. Will finish in morning.- Stg#4:RU WLT. RIH w/ frac plug & 8' perf gun. Set plug @ 5750'. Perforate A1 sds @ 5641-5649' w/ 4 spf for total of 32 shots. RU BJ & frac stg#4 w/ 19,708#'s of 20/40 sand in 336 bbls of Lightning 17 frac fluid. Open well w/ 1307 psi on casing. Perfs broke down @ 2366. ISIP was 1913 w/.78 FG. 1 min was 1520. 4 min was 1432. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2287 w/ ave rate of 23 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. 1487 Bbls EWTR. ISIP was 2306 w/ .84FG. 5 min was 1784. 10 min was 1674. 15 min was 1631. RU WLT. RIH w/ frac plug & 7' perf gun. Set plug @ 5400'. Perforate D3 sds @ 5291-5298'. SIFN.

3/12/2009 Day: 2**Completion**

Rigless on 3/12/2009 - Frac 4 stages & shot 5th. Will finish in morning.- Stg#2: RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 10' perf gun. Set plug @ 6220'. Perforate CP2 sds @ 6128-6138' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 40 shots (PSI WLT broke down). RU BJ & frac stg#2 w/ 15,290#'s of 20/40 sand in 299 bbls of Lightning 17 frac fluid. Open well w/ 1599 psi on casing. Perfs broke down @ 3892. ISIP was 2489 w/.85 FG. 1 min was 1359. 4 min was 1332. Pump 30 gls of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 1724 w/ ave rate of 23 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. 602 Bbls EWTR. ISIP was 1440. 5 min was 1336. 10 min was 1306. 15 min was 1283.

3/12/2009 Day: 2**Completion**

Rigless on 3/12/2009 - Frac 4 stages & shot 5th. Will finish in morning.- Stg#3:RU WLT. RIH w/ frac plug & 18' perf gun. Set plug @ 6090'. Perforate CP1 sds @ 6056-6074' w/ 4 spf for total of 72 shots. RU BJ & frac stg#3 w/ 59,501#'s of 20/40 sand in 549 bbls of Lightning 17 frac fluid. Open well w/ 1192 psi on casing. Perfs broke down @ 2106. ISIP was 1440 w/.67 FG. 1 min was 1300. 4 min was 1182. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 1399 w/ ave rate of 23 bpm w/ 8 ppg sand. Spot 12 bbls of 15% HCL acid in flush. 1151 Bbls EWTR. ISIP was 2289. 5 min was 1820. 10 min was 1720. 15 min

was 1612.

3/13/2009 Day: 3**Completion**

Rigless on 3/13/2009 - Finish frac & flow well back.- RU BJ & frac D3 sds, stg #5 down casing w/ 14,599#'s of 20/40 sand in 286 bbls of Lightning 17 frac fluid. Open well w/ 1231 psi on casing. Perfs broke down @ 1761 psi w/ IDIP was 1558 psi w/ .73FG. 1 minute later 1397. 4 min was 1322 psi. Pump 30 gals of Techna Hib 767w chemical @ 4% by volume. Treated @ ave pressure of 1826 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1583 w/ .73FG. 5 minutes was 1374, 10 min was 1351. 15 min was 1329. 1773 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 450 bbls rec'd. SIFN.

3/16/2009 Day: 4**Completion**

Nabors #823 on 3/16/2009 - MIRUSU.- MIRUSU. Open well w/ 400 psi on casing. RD Cameron BOP's & frac head. Instal 3M p.roduction head & Scheafer BOP's. RU 4-3/4" "Chomp" mill & x-over sub. Tally, pickup & TIH w/ new J-55, 2-7/8, 6.5# tbg to tag fill @ 5053'. RU swivel, pump & tanks. C/O to plug @ 5400'. Drlg out plug #1, TIH w/ tbg to tag plug @ 5750'. Drlg out plug #2. TIH w/ tbg to tag fill @ 6070'. SIFN.

3/17/2009 Day: 5**Completion**

Nabors #823 on 3/17/2009 - Drlg plugs & swab.- Open well w/ 300 psi on casing. C/O sand to plug @ 6094'. Drlg out plug #3. TIH w/ tbg to tag plug @ 6220'. Drlg out plug #4. TIH w/ tbg to tag fill @ 6380'. C/O to PBD @ 6522'. LD 3 jts tbg. RU swab. Made 15 runs & rec'd 120 bbls fluid. IFL was surface. FFL was 1200'. Last run showed trace of oil w/ no sand. SIFN.

3/19/2009 Day: 6**Completion**

Nabors #823 on 3/19/2009 - Put well on production- Open well w/ 200 psi on casing. Continue TIH w/ rods. Total of 251- 7/8" used guided rods, 6', 8' x 7/8" pony rods, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi w/ 2 bbls fluid. RDMOSU. 1173 bbls EWTR. POP @ 4PM w/ 144"SL @ 6 SPM. **Finalized**

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-76241

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

6. If Indian, Allottee or Tribe Name
NA

7. Unit or CA Agreement Name and No.
GREATER BOUNDARY II

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No. **FFA**
GREATER BOUNDARY K-28-8-17

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

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

9. AFI Well No.
43-013-33815

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

At surface 1853' FNL & 807' FEL (SE/NE) SEC. 28, T8S, R17E

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC. 28, T8S, R17E

At top prod. interval reported below BHL: 2640' FNL & 0' FEL (SE/NE)

12. County or Parish 13. State

DUCHESNE

UT

At total depth ~~6575~~ **2684 fnl 112 fel** *per HSM review*

14. Date Spudded
01/23/2009

15. Date T.D. Reached
02/11/2009

16. Date Completed 03/19/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5197' GL 5209' KB

18. Total Depth: MD 6575'
TVD 6387'

19. Plug Back T.D.: MD 6522'
TVD **6334**

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# | | 368' | | 160 CLASS G | | | |
| 7-7/8" | 5-1/2" J-55 | 15.5# | | 6566' | | 275 PRIMLITE | | 90' | |
| | | | | | | 475 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@ 6409' | TA @ 6312' | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|-----|--------|-------------------------|------|-----------|--------------|
| A) GREEN RIVER | | | (CP4) 6360-68' | .49" | 4 | 32 |
| B) GREEN RIVER | | | (CP2) 6128-38' | .49" | 4 | 40 |
| C) GREEN RIVER | | | (CP1)6056-74(A1)5641-49 | .49" | 4 | 72 |
| D) GREEN RIVER | | | (D3) 5291-5298' | .49" | 4 | 32 |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 6360-6368' | Frac w/ 15512# of 20/40 snd 303 bbls fluid |
| 6128-6138' | Frac w/ 15290# 20/40 snd 299 bbls fluid |
| 5641-6074' | Frac w/#19708 20/40 snd 336 bbls fluid |
| 5291-5298' | Frac w/ 14599# 20/40 snd 286 bbls fluid |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------------|
| 03/19/09 | 03/31/09 | 24 | → | 20 | 71 | 13 | | | NEW CENTRAL HYDRAULIC 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 | |
| | | | → | | | | | | |

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

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MAY 07 2009

DIV. OF OIL, GAS & MINING

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 | 4140' 4334' |
| | | | | GARDEN GULCH 2 POINT 3 | 4452' 4730' |
| | | | | X MRKR Y MRKR | 4969' 5004' |
| | | | | DOUGALS CREEK MRK BI CARBONATE MRK | 5142' 5394' |
| | | | | B LIMESTON MRK CASTLE PEAK | 5554' 6012' |
| | | | | BASAL CARBONATE TOTAL DEPTH (LOGGERS) | 6438' 6567' |

32. Additional remarks (include plugging procedure):

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

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

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) Tammi Lee Title Production Clerk
 Signature *Tammi Lee* Date 04/28/2009

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



**Scientific
Drilling**

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

| | |
|----------------------------|--------------------------------------|
| Operator | <u>Newfield Exploration Co.</u> |
| Well Name & No. | <u>Greater Boundary II K-28-8-17</u> |
| County & State | <u>Duchesne County, UT</u> |
| SDI Job No. | <u>42DEF0902063</u> |
| Rig | <u>NDSI 2</u> |

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 383 feet to a measured depth of 6575 feet is true and correct as determined from all available records.

Julie Cruse
Signature

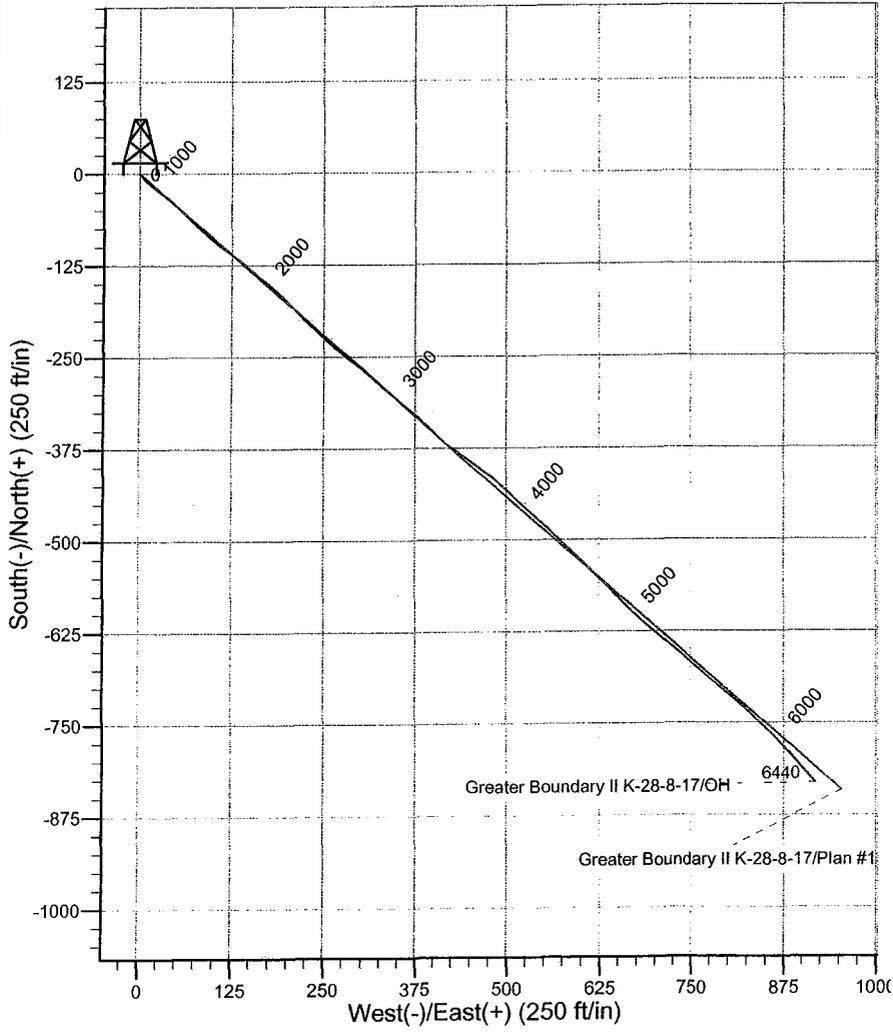
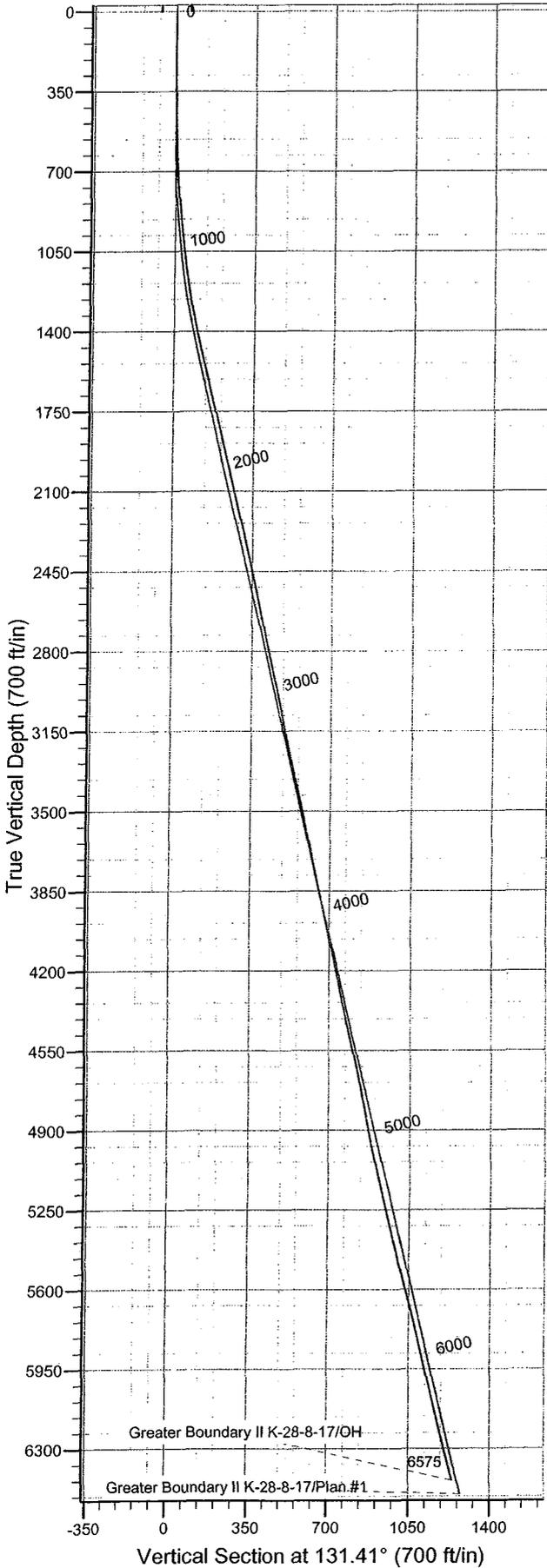
11-Feb-09
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District



Project: Duchesne County, UT NAD83 UTC
 Site: Greater Boundary II K-28-8-17
 Well: Greater Boundary II K-28-8-17
 Wellbore: OH
 Design: OH

Newfield Exploration Co.



WELL DETAILS: Greater Boundary II K-28-8-17

| | | | | | |
|-------|-------|---|------------|-----------------|------------------|
| | | Ground Level: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2) | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 0.00 | 0.00 | 7205415.59 | 2058688.61 | 40° 5' 27.940 N | 110° 0' 17.500 W |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Greater Boundary II K-28-8-17, True North
 Vertical (TVD) Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
 Calculation Method: Minimum Curvature
 Local North: True
 Location: Sec 28, T8S R17E

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone

Design: OH (Greater Boundary II K-28-8-17/OH)

Created By: Gregg Detweiler Date: 2009-02-11



Scientific Drilling
Rocky Mountain Operations

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary II K-28-8-17

Greater Boundary II K-28-8-17

OH

Design: OH

Standard Survey Report

11 February, 2009



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II K-28-8-17
Well: Greater Boundary II K-28-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II K-28-8-17
TVD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
MD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

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

| | | | | | |
|------------------------------|---|---------------------|----------------|--------------------------|------------------|
| Site | Greater Boundary II K-28-8-17, Sec 28, T8S R17E | | | | |
| Site Position: | | Northing: | 7,205,415.60ft | Latitude: | 40° 5' 27.940 N |
| From: | Lat/Long | Easting: | 2,058,688.61ft | Longitude: | 110° 0' 17.500 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | in | Grid Convergence: | 0.96 ° |

| | | | | | | |
|-----------------------------|---|----------------------------|------------------|----------------------|-------------------|------------------|
| Well | Greater Boundary II K-28-8-17, 1853' FNL & 807' FEL | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 7,205,415.59 ft | Latitude: | 40° 5' 27.940 N |
| | +E/-W | 0.00 ft | Easting: | 2,058,688.61 ft | Longitude: | 110° 0' 17.500 W |
| Position Uncertainty | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 5,197.00 ft | |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | IGRF2005-10 | 2009-02-04 | (°) | (°) | (nT) |
| | | | 11.59 | 65.91 | 52,567 |

| | | | | | |
|--------------------------|-------------------------|---------------|--------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction | |
| | (ft) | (ft) | (ft) | (°) | |
| | 0.00 | 0.00 | 0.00 | 131.41 | |

| | | | | | |
|-----------------------|-----------------|------------------------------|------------------|--------------------|--|
| Survey Program | Date 2009-02-11 | | | | |
| From | To | Survey (Wellbore) | Tool Name | Description | |
| (ft) | (ft) | | | | |
| 383.00 | 6,575.00 | Survey #1 - 7 7/8" Hole (OH) | 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) | |
|-------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 383.00 | 0.47 | 130.10 | 383.00 | -1.01 | 1.20 | 1.57 | 0.12 | 0.12 | 0.00 | |
| First MWD Survey | | | | | | | | | | |
| 414.00 | 0.19 | 186.80 | 414.00 | -1.14 | 1.29 | 1.73 | 1.29 | -0.90 | 182.90 | |
| 444.00 | 0.31 | 127.57 | 443.99 | -1.24 | 1.35 | 1.84 | 0.89 | 0.40 | -197.43 | |
| 475.00 | 0.59 | 128.69 | 474.99 | -1.39 | 1.54 | 2.08 | 0.90 | 0.90 | 3.61 | |
| 506.00 | 1.20 | 132.11 | 505.99 | -1.71 | 1.91 | 2.56 | 1.97 | 1.97 | 11.03 | |
| 537.00 | 1.53 | 133.83 | 536.98 | -2.22 | 2.45 | 3.30 | 1.07 | 1.06 | 5.55 | |
| 567.00 | 1.81 | 145.55 | 566.97 | -2.88 | 3.00 | 4.16 | 1.47 | 0.93 | 39.07 | |
| 598.00 | 2.26 | 146.08 | 597.95 | -3.80 | 3.62 | 5.23 | 1.45 | 1.45 | 1.71 | |
| 628.00 | 2.53 | 147.37 | 627.92 | -4.84 | 4.31 | 6.44 | 0.92 | 0.90 | 4.30 | |
| 659.00 | 2.98 | 137.31 | 658.89 | -6.01 | 5.22 | 7.90 | 2.13 | 1.45 | -32.45 | |
| 690.00 | 3.03 | 141.97 | 689.84 | -7.25 | 6.28 | 9.50 | 0.80 | 0.16 | 15.03 | |



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II K-28-8-17
Well: Greater Boundary II K-28-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II K-28-8-17
TVD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
MD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N-S (ft) | +E-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|-----------|-----------|-----------------------|-----------------------|----------------------|---------------------|
| 720.00 | 3.59 | 141.76 | 719.79 | -8.61 | 7.35 | 11.21 | 1.87 | 1.87 | -0.70 |
| 751.00 | 4.05 | 134.31 | 750.73 | -10.14 | 8.73 | 13.25 | 2.18 | 1.48 | -24.03 |
| 782.00 | 4.21 | 133.99 | 781.64 | -11.69 | 10.33 | 15.48 | 0.52 | 0.52 | -1.03 |
| 812.00 | 4.53 | 133.40 | 811.56 | -13.27 | 11.98 | 17.77 | 1.08 | 1.07 | -1.97 |
| 843.00 | 5.09 | 126.06 | 842.45 | -14.92 | 13.99 | 20.36 | 2.68 | 1.81 | -23.68 |
| 874.00 | 5.47 | 124.60 | 873.32 | -16.57 | 16.31 | 23.20 | 1.30 | 1.23 | -4.71 |
| 904.00 | 5.83 | 124.56 | 903.17 | -18.25 | 18.75 | 26.13 | 1.20 | 1.20 | -0.13 |
| 936.00 | 6.38 | 125.92 | 934.99 | -20.21 | 21.52 | 29.51 | 1.78 | 1.72 | 4.25 |
| 968.00 | 6.49 | 127.82 | 966.79 | -22.37 | 24.39 | 33.09 | 0.75 | 0.34 | 5.94 |
| 1,000.00 | 6.83 | 128.55 | 998.57 | -24.66 | 27.31 | 36.79 | 1.09 | 1.06 | 2.28 |
| 1,031.00 | 7.15 | 128.77 | 1,029.34 | -27.02 | 30.25 | 40.56 | 1.04 | 1.03 | 0.71 |
| 1,063.00 | 7.64 | 128.76 | 1,061.08 | -29.60 | 33.47 | 44.68 | 1.53 | 1.53 | -0.03 |
| 1,095.00 | 8.09 | 129.06 | 1,092.77 | -32.35 | 36.87 | 49.05 | 1.41 | 1.41 | 0.94 |
| 1,126.00 | 8.27 | 131.32 | 1,123.46 | -35.19 | 40.24 | 53.46 | 1.19 | 0.58 | 7.29 |
| 1,158.00 | 8.67 | 132.83 | 1,155.11 | -38.35 | 43.74 | 58.17 | 1.43 | 1.25 | 4.72 |
| 1,190.00 | 9.11 | 131.27 | 1,186.73 | -41.66 | 47.41 | 63.12 | 1.57 | 1.37 | -4.87 |
| 1,221.00 | 9.40 | 132.51 | 1,217.32 | -44.99 | 51.12 | 68.10 | 1.14 | 0.94 | 4.00 |
| 1,253.00 | 9.77 | 134.18 | 1,248.88 | -48.65 | 55.00 | 73.43 | 1.45 | 1.16 | 5.22 |
| 1,285.00 | 10.21 | 134.69 | 1,280.39 | -52.54 | 58.96 | 78.97 | 1.40 | 1.37 | 1.59 |
| 1,317.00 | 10.61 | 134.28 | 1,311.86 | -56.59 | 63.08 | 84.74 | 1.27 | 1.25 | -1.28 |
| 1,348.00 | 11.19 | 133.43 | 1,342.30 | -60.65 | 67.31 | 90.60 | 1.94 | 1.87 | -2.74 |
| 1,380.00 | 11.58 | 134.57 | 1,373.67 | -65.04 | 71.86 | 96.91 | 1.41 | 1.22 | 3.56 |
| 1,412.00 | 12.31 | 134.97 | 1,404.98 | -69.70 | 76.56 | 103.52 | 2.30 | 2.28 | 1.25 |
| 1,444.00 | 12.92 | 133.24 | 1,436.21 | -74.56 | 81.58 | 110.50 | 2.24 | 1.91 | -5.41 |
| 1,475.00 | 13.53 | 133.97 | 1,466.39 | -79.46 | 86.71 | 117.59 | 2.04 | 1.97 | 2.35 |
| 1,507.00 | 13.71 | 132.64 | 1,497.49 | -84.62 | 92.19 | 125.12 | 1.13 | 0.56 | -4.16 |
| 1,539.00 | 14.07 | 130.28 | 1,528.55 | -89.71 | 97.95 | 132.80 | 2.10 | 1.12 | -7.37 |
| 1,570.00 | 14.24 | 129.74 | 1,558.61 | -94.58 | 103.76 | 140.38 | 0.69 | 0.55 | -1.74 |
| 1,602.00 | 14.52 | 127.57 | 1,589.61 | -99.54 | 109.96 | 148.31 | 1.90 | 0.87 | -6.78 |
| 1,634.00 | 14.51 | 126.41 | 1,620.59 | -104.37 | 116.37 | 156.31 | 0.91 | -0.03 | -3.62 |
| 1,666.00 | 14.35 | 126.31 | 1,651.58 | -109.10 | 122.79 | 164.25 | 0.51 | -0.50 | -0.31 |
| 1,697.00 | 14.06 | 125.61 | 1,681.63 | -113.56 | 128.95 | 171.83 | 1.09 | -0.94 | -2.26 |
| 1,729.00 | 13.86 | 126.65 | 1,712.68 | -118.11 | 135.18 | 179.51 | 1.00 | -0.62 | 3.25 |
| 1,761.00 | 13.84 | 128.59 | 1,743.75 | -122.79 | 141.25 | 187.16 | 1.45 | -0.06 | 6.06 |
| 1,792.00 | 13.54 | 130.69 | 1,773.87 | -127.47 | 146.90 | 194.49 | 1.87 | -0.97 | 6.77 |
| 1,824.00 | 13.33 | 133.05 | 1,805.00 | -132.43 | 152.44 | 201.92 | 1.83 | -0.66 | 7.37 |
| 1,856.00 | 13.61 | 131.26 | 1,836.12 | -137.43 | 157.96 | 209.37 | 1.57 | 0.87 | -5.59 |
| 1,888.00 | 13.73 | 130.88 | 1,867.21 | -142.40 | 163.66 | 216.94 | 0.47 | 0.37 | -1.19 |
| 1,919.00 | 13.89 | 128.47 | 1,897.31 | -147.12 | 169.36 | 224.33 | 1.93 | 0.52 | -7.77 |
| 1,951.00 | 13.72 | 129.26 | 1,928.39 | -151.91 | 175.30 | 231.96 | 0.79 | -0.53 | 2.47 |
| 1,983.00 | 13.21 | 129.72 | 1,959.51 | -156.65 | 181.05 | 239.41 | 1.63 | -1.59 | 1.44 |
| 2,014.00 | 13.12 | 132.24 | 1,989.70 | -161.28 | 186.38 | 246.46 | 1.87 | -0.29 | 8.13 |
| 2,046.00 | 12.96 | 133.33 | 2,020.87 | -166.18 | 191.68 | 253.68 | 0.92 | -0.50 | 3.41 |
| 2,078.00 | 13.03 | 134.93 | 2,052.05 | -171.19 | 196.85 | 260.87 | 1.15 | 0.22 | 5.00 |
| 2,109.00 | 13.25 | 138.02 | 2,082.24 | -176.30 | 201.70 | 267.89 | 2.37 | 0.71 | 9.97 |
| 2,141.00 | 13.52 | 137.62 | 2,113.37 | -181.79 | 206.67 | 275.25 | 0.89 | 0.84 | -1.25 |
| 2,172.00 | 13.78 | 136.57 | 2,143.50 | -187.15 | 211.65 | 282.53 | 1.16 | 0.84 | -3.39 |
| 2,204.00 | 13.47 | 135.77 | 2,174.59 | -192.59 | 216.87 | 290.04 | 1.13 | -0.97 | -2.50 |
| 2,235.00 | 13.00 | 133.42 | 2,204.77 | -197.57 | 221.92 | 297.12 | 2.30 | -1.52 | -7.58 |
| 2,267.00 | 12.67 | 133.69 | 2,235.97 | -202.47 | 227.08 | 304.23 | 1.05 | -1.03 | 0.84 |
| 2,299.00 | 12.58 | 132.46 | 2,267.20 | -207.25 | 232.18 | 311.22 | 0.89 | -0.28 | -3.84 |
| 2,331.00 | 12.43 | 133.20 | 2,298.44 | -211.96 | 237.27 | 318.14 | 0.69 | -0.47 | 2.31 |
| 2,362.00 | 12.42 | 132.64 | 2,328.71 | -216.50 | 242.15 | 324.81 | 0.39 | -0.03 | -1.81 |
| 2,394.00 | 12.56 | 133.47 | 2,359.96 | -221.22 | 247.21 | 331.73 | 0.71 | 0.44 | 2.59 |



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II K-28-8-17
Well: Greater Boundary II K-28-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II K-28-8-17
TVD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
MD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 2,426.00 | 12.29 | 134.95 | 2,391.21 | -226.02 | 252.14 | 338.61 | 1.30 | -0.84 | 4.62 |
| 2,457.00 | 12.26 | 133.70 | 2,421.50 | -230.63 | 256.86 | 345.19 | 0.86 | -0.10 | -4.03 |
| 2,489.00 | 12.02 | 132.16 | 2,452.78 | -235.21 | 261.78 | 351.91 | 1.26 | -0.75 | -4.81 |
| 2,521.00 | 12.24 | 130.24 | 2,484.07 | -239.64 | 266.84 | 358.64 | 1.44 | 0.69 | -6.00 |
| 2,552.00 | 12.09 | 131.44 | 2,514.37 | -243.91 | 271.78 | 365.17 | 0.95 | -0.48 | 3.87 |
| 2,584.00 | 12.26 | 130.03 | 2,545.65 | -248.31 | 276.90 | 371.92 | 1.07 | 0.53 | -4.41 |
| 2,616.00 | 12.14 | 129.54 | 2,576.93 | -252.64 | 282.09 | 378.68 | 0.50 | -0.37 | -1.53 |
| 2,648.00 | 11.93 | 127.87 | 2,608.23 | -256.81 | 287.30 | 385.34 | 1.27 | -0.66 | -5.22 |
| 2,679.00 | 11.80 | 126.77 | 2,638.56 | -260.68 | 292.37 | 391.70 | 0.84 | -0.42 | -3.55 |
| 2,711.00 | 11.64 | 127.08 | 2,669.90 | -264.58 | 297.57 | 398.18 | 0.54 | -0.50 | 0.97 |
| 2,743.00 | 12.02 | 129.49 | 2,701.22 | -268.65 | 302.71 | 404.73 | 1.95 | 1.19 | 7.53 |
| 2,774.00 | 12.23 | 129.80 | 2,731.53 | -272.80 | 307.73 | 411.24 | 0.71 | 0.68 | 1.00 |
| 2,806.00 | 12.46 | 130.91 | 2,762.79 | -277.23 | 312.94 | 418.08 | 1.03 | 0.72 | 3.47 |
| 2,838.00 | 12.56 | 132.21 | 2,794.03 | -281.83 | 318.12 | 425.01 | 0.93 | 0.31 | 4.06 |
| 2,869.00 | 12.55 | 132.30 | 2,824.28 | -286.36 | 323.11 | 431.75 | 0.07 | -0.03 | 0.29 |
| 2,901.00 | 12.62 | 131.05 | 2,855.52 | -291.00 | 328.32 | 438.72 | 0.88 | 0.22 | -3.91 |
| 2,933.00 | 12.91 | 127.97 | 2,886.73 | -295.49 | 333.77 | 445.78 | 2.31 | 0.91 | -9.62 |
| 2,965.00 | 13.34 | 128.10 | 2,917.89 | -299.97 | 339.50 | 453.04 | 1.35 | 1.34 | 0.41 |
| 2,996.00 | 13.05 | 128.54 | 2,948.07 | -304.36 | 345.05 | 460.10 | 0.99 | -0.94 | 1.42 |
| 3,028.00 | 12.83 | 128.78 | 2,979.26 | -308.83 | 350.65 | 467.26 | 0.71 | -0.69 | 0.75 |
| 3,060.00 | 12.04 | 130.47 | 3,010.51 | -313.23 | 355.95 | 474.14 | 2.72 | -2.47 | 5.28 |
| 3,091.00 | 11.21 | 129.99 | 3,040.87 | -317.26 | 360.72 | 480.39 | 2.70 | -2.68 | -1.55 |
| 3,123.00 | 10.95 | 129.51 | 3,072.27 | -321.19 | 365.45 | 486.54 | 0.86 | -0.81 | -1.50 |
| 3,155.00 | 10.74 | 130.83 | 3,103.70 | -325.08 | 370.05 | 492.56 | 1.02 | -0.66 | 4.12 |
| 3,186.00 | 10.66 | 131.82 | 3,134.16 | -328.88 | 374.37 | 498.31 | 0.65 | -0.26 | 3.19 |
| 3,218.00 | 11.16 | 131.22 | 3,165.59 | -332.89 | 378.91 | 504.37 | 1.60 | 1.56 | -1.87 |
| 3,250.00 | 11.79 | 132.34 | 3,196.95 | -337.13 | 383.65 | 510.73 | 2.09 | 1.97 | 3.50 |
| 3,282.00 | 12.76 | 133.58 | 3,228.21 | -341.77 | 388.63 | 517.53 | 3.14 | 3.03 | 3.87 |
| 3,313.00 | 13.34 | 132.97 | 3,258.41 | -346.57 | 393.73 | 524.53 | 1.92 | 1.87 | -1.97 |
| 3,345.00 | 13.18 | 133.64 | 3,289.56 | -351.60 | 399.07 | 531.87 | 0.69 | -0.50 | 2.09 |
| 3,377.00 | 13.05 | 133.57 | 3,320.73 | -356.61 | 404.33 | 539.12 | 0.41 | -0.41 | -0.22 |
| 3,408.00 | 13.21 | 132.25 | 3,350.92 | -361.41 | 409.48 | 546.16 | 1.10 | 0.52 | -4.26 |
| 3,440.00 | 13.41 | 129.56 | 3,382.06 | -366.23 | 415.05 | 553.53 | 2.03 | 0.62 | -8.41 |
| 3,472.00 | 13.44 | 129.06 | 3,413.18 | -370.93 | 420.80 | 560.95 | 0.37 | 0.09 | -1.56 |
| 3,503.00 | 13.22 | 125.65 | 3,443.35 | -375.27 | 426.48 | 568.08 | 2.63 | -0.71 | -11.00 |
| 3,535.00 | 12.42 | 123.40 | 3,474.55 | -379.30 | 432.32 | 575.12 | 2.95 | -2.50 | -7.03 |
| 3,567.00 | 12.33 | 125.05 | 3,505.81 | -383.15 | 437.99 | 581.93 | 1.14 | -0.28 | 5.16 |
| 3,599.00 | 12.08 | 122.70 | 3,537.08 | -386.92 | 443.61 | 588.63 | 1.74 | -0.78 | -7.34 |
| 3,630.00 | 12.36 | 126.43 | 3,567.38 | -390.65 | 449.01 | 595.15 | 2.70 | 0.90 | 12.03 |
| 3,662.00 | 12.25 | 128.55 | 3,598.65 | -394.80 | 454.42 | 601.95 | 1.45 | -0.34 | 6.62 |
| 3,694.00 | 12.10 | 126.92 | 3,629.93 | -398.93 | 459.76 | 608.68 | 1.17 | -0.47 | -5.09 |
| 3,726.00 | 11.78 | 126.50 | 3,661.23 | -402.88 | 465.06 | 615.28 | 1.04 | -1.00 | -1.31 |
| 3,757.00 | 11.83 | 127.40 | 3,691.58 | -406.70 | 470.13 | 621.60 | 0.62 | 0.16 | 2.90 |
| 3,789.00 | 11.63 | 128.75 | 3,722.91 | -410.71 | 475.25 | 628.10 | 1.06 | -0.62 | 4.22 |
| 3,821.00 | 12.00 | 129.16 | 3,754.23 | -414.83 | 480.35 | 634.64 | 1.19 | 1.16 | 1.28 |
| 3,852.00 | 11.88 | 129.69 | 3,784.56 | -418.90 | 485.30 | 641.05 | 0.52 | -0.39 | 1.71 |
| 3,884.00 | 11.97 | 132.04 | 3,815.87 | -423.23 | 490.30 | 647.66 | 1.54 | 0.28 | 7.34 |
| 3,916.00 | 12.09 | 132.39 | 3,847.17 | -427.71 | 495.24 | 654.33 | 0.44 | 0.37 | 1.09 |
| 3,948.00 | 12.73 | 133.00 | 3,878.42 | -432.37 | 500.29 | 661.21 | 2.04 | 2.00 | 1.91 |
| 3,979.00 | 12.85 | 134.51 | 3,908.65 | -437.12 | 505.25 | 668.06 | 1.15 | 0.39 | 4.87 |
| 4,011.00 | 12.83 | 134.76 | 3,939.85 | -442.11 | 510.31 | 675.16 | 0.18 | -0.06 | 0.78 |
| 4,043.00 | 12.73 | 133.58 | 3,971.06 | -447.05 | 515.39 | 682.23 | 0.87 | -0.31 | -3.69 |
| 4,074.00 | 12.43 | 132.37 | 4,001.31 | -451.65 | 520.33 | 688.98 | 1.29 | -0.97 | -3.90 |
| 4,106.00 | 11.78 | 130.92 | 4,032.60 | -456.11 | 525.34 | 695.69 | 2.24 | -2.03 | -4.53 |



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II K-28-8-17
Well: Greater Boundary II K-28-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II K-28-8-17
TVD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
MD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 4,138.00 | 11.77 | 130.36 | 4,063.93 | -460.36 | 530.29 | 702.22 | 0.36 | -0.03 | -1.75 |
| 4,170.00 | 11.56 | 131.33 | 4,095.27 | -464.59 | 535.19 | 708.69 | 0.90 | -0.66 | 3.03 |
| 4,201.00 | 11.35 | 132.19 | 4,125.65 | -468.69 | 539.78 | 714.85 | 0.87 | -0.68 | 2.77 |
| 4,233.00 | 11.16 | 133.82 | 4,157.04 | -472.95 | 544.35 | 721.09 | 1.16 | -0.59 | 5.09 |
| 4,265.00 | 11.48 | 133.38 | 4,188.41 | -477.28 | 548.90 | 727.37 | 1.04 | 1.00 | -1.37 |
| 4,297.00 | 11.68 | 133.74 | 4,219.76 | -481.71 | 553.55 | 733.79 | 0.66 | 0.62 | 1.12 |
| 4,328.00 | 11.56 | 135.49 | 4,250.13 | -486.10 | 558.00 | 740.02 | 1.20 | -0.39 | 5.65 |
| 4,360.00 | 11.90 | 135.23 | 4,281.46 | -490.72 | 562.57 | 746.51 | 1.08 | 1.06 | -0.81 |
| 4,391.00 | 12.46 | 135.12 | 4,311.76 | -495.36 | 567.18 | 753.04 | 1.81 | 1.81 | -0.35 |
| 4,423.00 | 12.64 | 134.86 | 4,343.00 | -500.28 | 572.10 | 759.98 | 0.59 | 0.56 | -0.81 |
| 4,455.00 | 12.43 | 132.74 | 4,374.23 | -505.09 | 577.11 | 766.91 | 1.58 | -0.66 | -6.62 |
| 4,487.00 | 12.46 | 132.99 | 4,405.48 | -509.78 | 582.16 | 773.81 | 0.19 | 0.09 | 0.78 |
| 4,518.00 | 12.34 | 134.18 | 4,435.76 | -514.37 | 586.98 | 780.46 | 0.91 | -0.39 | 3.84 |
| 4,550.00 | 12.43 | 133.15 | 4,467.01 | -519.10 | 591.95 | 787.32 | 0.75 | 0.28 | -3.22 |
| 4,582.00 | 12.53 | 134.17 | 4,498.26 | -523.88 | 596.95 | 794.23 | 0.76 | 0.31 | 3.19 |
| 4,614.00 | 12.44 | 135.27 | 4,529.50 | -528.75 | 601.87 | 801.13 | 0.79 | -0.28 | 3.44 |
| 4,645.00 | 12.28 | 134.21 | 4,559.78 | -533.42 | 606.58 | 807.76 | 0.90 | -0.52 | -3.42 |
| 4,677.00 | 12.20 | 134.32 | 4,591.05 | -538.15 | 611.44 | 814.53 | 0.26 | -0.25 | 0.34 |
| 4,709.00 | 11.96 | 135.09 | 4,622.35 | -542.86 | 616.20 | 821.22 | 0.90 | -0.75 | 2.41 |
| 4,740.00 | 12.17 | 134.18 | 4,652.66 | -547.41 | 620.81 | 827.69 | 0.91 | 0.68 | -2.94 |
| 4,772.00 | 12.59 | 134.64 | 4,683.92 | -552.22 | 625.71 | 834.54 | 1.35 | 1.31 | 1.44 |
| 4,804.00 | 11.91 | 134.75 | 4,715.19 | -556.99 | 630.54 | 841.32 | 2.13 | -2.12 | 0.34 |
| 4,836.00 | 10.95 | 135.84 | 4,746.55 | -561.50 | 635.00 | 847.64 | 3.07 | -3.00 | 3.41 |
| 4,867.00 | 10.17 | 136.00 | 4,777.03 | -565.58 | 638.95 | 853.31 | 2.52 | -2.52 | 0.52 |
| 4,899.00 | 9.85 | 137.49 | 4,808.54 | -569.63 | 642.76 | 858.85 | 1.29 | -1.00 | 4.66 |
| 4,931.00 | 10.03 | 136.50 | 4,840.06 | -573.67 | 646.53 | 864.34 | 0.78 | 0.56 | -3.09 |
| 4,962.00 | 10.38 | 138.81 | 4,870.57 | -577.73 | 650.23 | 869.80 | 1.74 | 1.13 | 7.45 |
| 4,994.00 | 10.97 | 139.33 | 4,902.02 | -582.20 | 654.11 | 875.68 | 1.87 | 1.84 | 1.62 |
| 5,025.00 | 11.27 | 137.98 | 4,932.43 | -586.69 | 658.06 | 881.61 | 1.28 | 0.97 | -4.35 |
| 5,057.00 | 11.85 | 136.37 | 4,963.79 | -591.39 | 662.42 | 887.99 | 2.07 | 1.81 | -5.03 |
| 5,089.00 | 11.96 | 134.21 | 4,995.10 | -596.08 | 667.07 | 894.57 | 1.43 | 0.34 | -6.75 |
| 5,121.00 | 12.36 | 133.08 | 5,026.38 | -600.73 | 671.94 | 901.31 | 1.45 | 1.25 | -3.53 |
| 5,152.00 | 12.39 | 132.37 | 5,056.66 | -605.24 | 676.82 | 907.95 | 0.50 | 0.10 | -2.29 |
| 5,184.00 | 12.65 | 131.30 | 5,087.90 | -609.87 | 681.99 | 914.88 | 1.09 | 0.81 | -3.34 |
| 5,216.00 | 12.27 | 130.83 | 5,119.14 | -614.40 | 687.20 | 921.79 | 1.23 | -1.19 | -1.47 |
| 5,247.00 | 12.67 | 129.30 | 5,149.41 | -618.71 | 692.32 | 928.48 | 1.67 | 1.29 | -4.94 |
| 5,279.00 | 12.93 | 130.27 | 5,180.62 | -623.25 | 697.77 | 935.57 | 1.05 | 0.81 | 3.03 |
| 5,311.00 | 13.15 | 130.79 | 5,211.79 | -627.94 | 703.26 | 942.79 | 0.78 | 0.69 | 1.62 |
| 5,343.00 | 13.43 | 130.68 | 5,242.94 | -632.74 | 708.83 | 950.14 | 0.88 | 0.87 | -0.34 |
| 5,374.00 | 13.60 | 130.05 | 5,273.08 | -637.43 | 714.35 | 957.38 | 0.73 | 0.55 | -2.03 |
| 5,406.00 | 13.27 | 129.36 | 5,304.20 | -642.18 | 720.07 | 964.82 | 1.15 | -1.03 | -2.16 |
| 5,438.00 | 13.11 | 128.86 | 5,335.36 | -646.79 | 725.74 | 972.11 | 0.61 | -0.50 | -1.56 |
| 5,470.00 | 13.25 | 128.65 | 5,366.51 | -651.36 | 731.43 | 979.40 | 0.46 | 0.44 | -0.66 |
| 5,501.00 | 13.13 | 130.27 | 5,396.70 | -655.85 | 736.89 | 986.47 | 1.25 | -0.39 | 5.23 |
| 5,510.93 | 13.14 | 130.76 | 5,406.37 | -657.32 | 738.60 | 988.73 | 1.12 | 0.05 | 4.91 |
| GB II K-28-8-17 | | | | | | | | | |
| 5,533.00 | 13.15 | 131.84 | 5,427.86 | -660.63 | 742.37 | 993.74 | 1.12 | 0.07 | 4.90 |
| 5,565.00 | 13.33 | 130.98 | 5,459.01 | -665.48 | 747.87 | 1,001.07 | 0.83 | 0.56 | -2.69 |
| 5,597.00 | 13.28 | 129.42 | 5,490.15 | -670.23 | 753.49 | 1,008.43 | 1.13 | -0.16 | -4.87 |
| 5,628.00 | 13.16 | 131.02 | 5,520.33 | -674.81 | 758.91 | 1,015.52 | 1.24 | -0.39 | 5.16 |
| 5,660.00 | 13.43 | 129.91 | 5,551.47 | -679.58 | 764.50 | 1,022.88 | 1.16 | 0.84 | -3.47 |
| 5,692.00 | 14.29 | 130.95 | 5,582.54 | -684.55 | 770.34 | 1,030.54 | 2.80 | 2.69 | 3.25 |
| 5,723.00 | 14.50 | 131.72 | 5,612.56 | -689.64 | 776.12 | 1,038.25 | 0.92 | 0.68 | 2.48 |
| 5,755.00 | 14.75 | 131.31 | 5,643.53 | -695.00 | 782.17 | 1,046.33 | 0.85 | 0.78 | -1.28 |
| 5,787.00 | 14.46 | 131.16 | 5,674.49 | -700.32 | 788.24 | 1,054.40 | 0.91 | -0.91 | -0.47 |



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II K-28-8-17
Well: Greater Boundary II K-28-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II K-28-8-17
TVD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
MD Reference: GL 5197' & RKB 12' @ 5209.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,819.00 | 14.09 | 129.09 | 5,705.51 | -705.40 | 794.27 | 1,062.28 | 1.97 | -1.16 | -6.47 |
| 5,850.00 | 13.97 | 129.19 | 5,735.58 | -710.15 | 800.10 | 1,069.79 | 0.39 | -0.39 | 0.32 |
| 5,882.00 | 14.17 | 130.70 | 5,766.62 | -715.14 | 806.07 | 1,077.57 | 1.31 | 0.62 | 4.72 |
| 5,914.00 | 13.72 | 131.19 | 5,797.68 | -720.19 | 811.89 | 1,085.28 | 1.45 | -1.41 | 1.53 |
| 5,945.00 | 12.98 | 131.04 | 5,827.84 | -724.90 | 817.28 | 1,092.44 | 2.39 | -2.39 | -0.48 |
| 5,977.00 | 12.83 | 133.04 | 5,859.03 | -729.69 | 822.59 | 1,099.58 | 1.47 | -0.47 | 6.25 |
| 6,009.00 | 12.16 | 134.20 | 5,890.27 | -734.46 | 827.60 | 1,106.50 | 2.24 | -2.09 | 3.62 |
| 6,040.00 | 12.41 | 136.46 | 5,920.56 | -739.15 | 832.24 | 1,113.08 | 1.75 | 0.81 | 7.29 |
| 6,072.00 | 12.72 | 135.84 | 5,951.80 | -744.17 | 837.06 | 1,120.02 | 1.06 | 0.97 | -1.94 |
| 6,104.00 | 13.01 | 133.86 | 5,982.99 | -749.19 | 842.11 | 1,127.13 | 1.65 | 0.91 | -6.19 |
| 6,135.00 | 13.48 | 134.13 | 6,013.17 | -754.13 | 847.22 | 1,134.23 | 1.53 | 1.52 | 0.87 |
| 6,167.00 | 13.95 | 133.39 | 6,044.26 | -759.38 | 852.70 | 1,141.81 | 1.57 | 1.47 | -2.31 |
| 6,199.00 | 13.77 | 134.54 | 6,075.33 | -764.70 | 858.22 | 1,149.46 | 1.03 | -0.56 | 3.59 |
| 6,230.00 | 13.90 | 135.96 | 6,105.43 | -769.96 | 863.44 | 1,156.86 | 1.17 | 0.42 | 4.58 |
| 6,262.00 | 13.95 | 135.91 | 6,136.49 | -775.49 | 868.79 | 1,164.54 | 0.16 | 0.16 | -0.16 |
| 6,293.00 | 13.86 | 137.44 | 6,166.58 | -780.91 | 873.91 | 1,171.95 | 1.22 | -0.29 | 4.94 |
| 6,325.00 | 13.58 | 139.54 | 6,197.67 | -786.59 | 878.94 | 1,179.49 | 1.79 | -0.87 | 6.56 |
| 6,357.00 | 13.74 | 137.97 | 6,228.76 | -792.28 | 883.92 | 1,186.98 | 1.26 | 0.50 | -4.91 |
| 6,388.00 | 13.94 | 137.74 | 6,258.86 | -797.77 | 888.89 | 1,194.35 | 0.67 | 0.65 | -0.74 |
| 6,420.00 | 13.75 | 138.55 | 6,289.93 | -803.48 | 894.00 | 1,201.95 | 0.85 | -0.59 | 2.53 |
| 6,451.00 | 14.05 | 137.97 | 6,320.02 | -809.03 | 898.96 | 1,209.35 | 1.07 | 0.97 | -1.87 |
| 6,483.00 | 14.15 | 138.67 | 6,351.06 | -814.86 | 904.15 | 1,217.09 | 0.62 | 0.31 | 2.19 |
| 6,521.00 | 14.10 | 136.72 | 6,387.91 | -821.71 | 910.39 | 1,226.30 | 1.26 | -0.13 | -5.13 |
| 6,575.00 | 14.10 | 136.72 | 6,440.28 | -831.29 | 919.40 | 1,239.40 | 0.00 | 0.00 | 0.00 |

Projection to TD

Targets

Target Name

| - hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|--|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|-----------------|
| GB II K-28-8-17 | 0.00 | 0.00 | 5,400.00 | -671.99 | 762.00 | 7,204,756.43 | 2,059,461.73 | 40° 5' 21.298 N | 110° 0' 7.695 W |
| - actual wellpath misses target center by 28.34ft at 5510.93ft MD (5406.37 TVD, -657.32 N, 738.60 E) | | | | | | | | | |
| - Circle (radius 75.00) | | | | | | | | | |

Checked By: _____ Approved By: _____ Date: _____