

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

FORM 3

AMENDED REPORT

| <b>APPLICATION FOR PERMIT TO DRILL</b>   |           |                 |   |   |                | 1. WELL NAME and NUMBER<br>Forest 1-2-4-3WH  |                            |                         |       |        |  |          |  |  |
|--|-----------|-----------------|---|---|----------------|--|----------------------------|-------------------------|-------|--------|--|----------|--|--|
| 2. TYPE OF WORK<br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |           |                 |   |   |                | 3. FIELD OR WILDCAT<br>WILDCAT   |                            |                         |       |        |  |          |  |  |
| 4. TYPE OF WELL<br>Oil Well Coalbed Methane Well: NO   |           |                 |   |   |                | 5. UNIT or COMMUNITIZATION AGREEMENT NAME  |                            |                         |       |        |  |          |  |  |
| 6. NAME OF OPERATOR<br>NEWFIELD PRODUCTION COMPANY   |           |                 |   |   |                | 7. OPERATOR PHONE<br>435 646-4825  |                            |                         |       |        |  |          |  |  |
| 8. ADDRESS OF OPERATOR<br>Rt 3 Box 3630 , Myton, UT, 84052   |           |                 |   |   |                | 9. OPERATOR E-MAIL<br>mcozler@newfield.com   |                            |                         |       |        |  |          |  |  |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)<br>Patented   |           |                 | 11. MINERAL OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>    |   |                | 12. SURFACE OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |                            |                         |       |        |  |          |  |  |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee')<br>Forest Reed Clayburn  |           |                 |   |   |                | 14. SURFACE OWNER PHONE (if box 12 = 'fee')<br>435-646-3239  |                            |                         |       |        |  |          |  |  |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')<br>HC 64 Box 445, ,   |           |                 |   |   |                | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee')   |                            |                         |       |        |  |          |  |  |
| 17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')   |           |                 | 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS<br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |   |                | 19. SLANT<br>VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>                               |                            |                         |       |        |  |          |  |  |
| 20. LOCATION OF WELL   |           | FOOTAGES        |   | QTR-QTR   |                | SECTION  |                            | TOWNSHIP                |       | RANGE  |  | MERIDIAN |  |  |
| LOCATION AT SURFACE  |           | 201 FNL 291 FEL |   | NENE  |                | 2  |                            | 4.0 S                   |       | 3.0 W  |  | U        |  |  |
| Top of Uppermost Producing Zone  |           | 660 FSL 660 FEL |   | NENE  |                | 2  |                            | 4.0 S                   |       | 3.0 W  |  | U        |  |  |
| At Total Depth   |           | 660 FSL 660 FEL |   | SSE   |                | 2  |                            | 4.0 S                   |       | 3.0 W  |  | U        |  |  |
| 21. COUNTY<br>DUCHESNE   |           |                 | 22. DISTANCE TO NEAREST LEASE LINE (Feet)<br>101  |   |                | 23. NUMBER OF ACRES IN DRILLING UNIT<br>40   |                            |                         |       |        |  |          |  |  |
|  |           |                 | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Approved For Drilling or Completed)<br>1400  |   |                | 26. PROPOSED DEPTH<br>MD: 12510 TVD: 7727  |                            |                         |       |        |  |          |  |  |
| 27. ELEVATION - GROUND LEVEL<br>5361   |           |                 | 28. BOND NUMBER<br>B001834  |   |                | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE<br>437478  |                            |                         |       |        |  |          |  |  |
| <b>Hole, Casing, and Cement Information</b>  |           |                 |   |   |                |  |                            |                         |       |        |  |          |  |  |
| String   | Hole Size | Casing Size     | Length  | Weight  | Grade & Thread | Max Mud Wt.  | Cement                     | Sacks                   | Yield | Weight |  |          |  |  |
| COND   | 17.5      | 14              | 0 - 60  | 37.0  | H-40 ST&C      | 0.0  | Class G                    | 35                      | 1.17  | 15.8   |  |          |  |  |
| SURF   | 12.25     | 9.625           | 0 - 2500  | 36.0  | J-55 LT&C      | 8.3  | Premium Lite High Strength | 204                     | 3.53  | 11.0   |  |          |  |  |
|  |           |                 |   |   |                |  | Class G                    | 154                     | 1.17  | 15.8   |  |          |  |  |
| I1   | 8.75      | 7               | 0 - 8424  | 26.0  | P-110 Other    | 11.5   | Premium Lite High Strength | 223                     | 3.53  | 11.0   |  |          |  |  |
|  |           |                 |   |   |                |  | 50/50 Poz                  | 401                     | 1.24  | 14.3   |  |          |  |  |
| L1   | 6.125     | 4.5             | 7408 - 12510  | 13.5  | P-110 Other    | 11.5   | No Used                    | 0                       | 0.0   | 0.0    |  |          |  |  |
| <b>ATTACHMENTS</b>   |           |                 |   |   |                |  |                            |                         |       |        |  |          |  |  |
| VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES   |           |                 |   |   |                |  |                            |                         |       |        |  |          |  |  |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER   |           |                 |   |   |                | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN   |                            |                         |       |        |  |          |  |  |
| <input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)  |           |                 |   |   |                | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER   |                            |                         |       |        |  |          |  |  |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)   |           |                 |   |   |                | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP  |                            |                         |       |        |  |          |  |  |
| NAME Don Hamilton  |           |                 |   | TITLE Permitting Agent  |                |  |                            | PHONE 435 719-2018      |       |        |  |          |  |  |
| SIGNATURE  |           |                 |   | DATE 05/02/2012   |                |  |                            | EMAIL starpoint@etv.net |       |        |  |          |  |  |
| API NUMBER ASSIGNED<br>43013513980000  |           |                 |   | APPROVAL<br><br><br>Permit Manager |                |  |                            |                         |       |        |  |          |  |  |

**Newfield Production Company**  
**Forest 1-2-4-3WH**  
**Surface Hole Location: 201' FNL, 291' FEL, Section 2, T4S, R3W**  
**Bottom Hole Location: 660' FSL, 660' FEL, Section 2, T4S, R3W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

|                     |                         |
|---------------------|-------------------------|
| Uinta               | surface                 |
| Green River         | 2,994'                  |
| Garden Gulch member | 5,550'                  |
| Wasatch             | 8,085'                  |
| Pilot Hole TD       | 8,335'                  |
| Lateral TD          | 7,727' TVD / 12,510' MD |

**2. Depth to Oil, Gas, Water, or Minerals**

|                           |                 |         |
|---------------------------|-----------------|---------|
| Base of moderately saline | 500'            | (water) |
| Green River               | 5,550' - 7,727' | (oil)   |

Note: The pilot hole will be drilled into the Wasatch formation for evaluation and targeting purposes only. The lateral will be drilled in the Green River formation.

**3. Pressure Control**

|                |                        |
|----------------|------------------------|
| <u>Section</u> | <u>BOP Description</u> |
| Surface        | 12 1/4" diverter       |

Interm/Prod The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

| Description         | Interval |                   | Weight (ppf) | Grade | Coup | Pore Press @ Shoe | MW @ Shoe | Frac Grad @ Shoe | Safety Factors |                |                 |
|---------------------|----------|-------------------|--------------|-------|------|-------------------|-----------|------------------|----------------|----------------|-----------------|
|                     | Top      | Bottom (TVD/MD)   |              |       |      |                   |           |                  | Burst          | Collapse       | Tension         |
| Conductor<br>14     | 0'       | 60'               | 37           | H-40  | Weld | --                | --        | --               | --             | --             | --              |
| Surface<br>9 5/8    | 0'       | 2,500'            | 36           | J-55  | LTC  | 8.33              | 8.33      | 14               | 3,520<br>2.12  | 2,020<br>2.54  | 453,000<br>5.03 |
| Intermediate<br>7   | 0'       | 7,994'<br>8,424'  | 26           | P-110 | BTC  | 11                | 11.5      | 15               | 9,960<br>2.64  | 6,210<br>1.56  | 853,000<br>3.89 |
| Production<br>4 1/2 | 7,408'   | 7,727'<br>12,510' | 13.5         | P-110 | BTC  | 11                | 11.5      | --               | 12,410<br>3.40 | 10,670<br>2.77 | 422,000<br>6.13 |

**Assumptions:**

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

**5. Cement**

| Job                  | Hole Size | Fill   | Slurry Description   | ft <sup>3</sup> | OH excess | Weight (ppg) | Yield (ft <sup>3</sup> /sk) |
|----------------------|-----------|--------|--|-----------------|-----------|--------------|-----------------------------|
|                      |           |        |  | sacks           |           |              |                             |
| Conductor            | 17 1/2    | 60'    | Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake                              | 41              | 15%       | 15.8         | 1.17                        |
|                      |           |        |  | 35              |           |              |                             |
| Surface Lead         | 12 1/4    | 2,000' | Premium Lite II w/ 3% KCl + 10% bentonite                                | 20              | 15%       | 11.0         | 3.53                        |
|                      |           |        |  | 204             |           |              |                             |
| Surface Tail         | 12 1/4    | 500'   | Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake                              | 180             | 15%       | 15.8         | 1.17                        |
|                      |           |        |  | 154             |           |              |                             |
| Pilot Hole Plug Back | 8 3/4     | 934'   | 50/50 Poz/Class G w/ 3% KCl + 2% bentonite                               | 449             | 15%       | 14.3         | 1.24                        |
|                      |           |        |  | 362             |           |              |                             |
| Intermediate Lead    | 8 3/4     | 4,550' | Premium Lite II w/ 3% KCl + 10% bentonite                                | 787             | 15%       | 11.0         | 3.53                        |
|                      |           |        |  | 223             |           |              |                             |
| Intermediate Tail    | 8 3/4     | 2,874' | 50/50 Poz/Class G w/ 3% KCl + 2% bentonite                               | 497             | 15%       | 14.3         | 1.24                        |
|                      |           |        |  | 401             |           |              |                             |
| Production           | 6 1/8     | --     | Liner will not be cemented. It will be isolated with a liner top packer. | --              | --        | --           | --                          |
|                      |           |        |  | --              |           |              |                             |

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the pilot hole plug back and the intermediate casing string will be calculated from an open hole caliper log, plus 15% excess.

The production liner will be left uncemented. Individual frac stages will be isolated with open hole packers. A liner top hanger and packer will be installed 50' above KOP.

**6. Type and Characteristics of Proposed Circulating Medium**

| <u>Interval</u> | <u>Description</u> |
|-----------------|--------------------|
|-----------------|--------------------|

Surface - 2,500'

An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

2,500' - TD      A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is      11.5 ppg.

## 7. Logging, Coring, and Testing

Logging:      A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBSD to the cement top behind the production casing.

Cores:      As deemed necessary.

DST:      There are no DST's planned for this well.

## 8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.57 psi/ft gradient.

$$7,727' \times 0.57 \text{ psi/ft} = 4420 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

## 9. Other Aspects

An 8-3/4" pilot hole will be drilled in order to determine the depth to the lateral target zone. The pilot hole will be logged, and then plugged back in preparation for horizontal operations. Directional tools will then be used to build to 93.65 degrees inclination. The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

The lateral will be drilled to the bottomhole location shown on the plat.

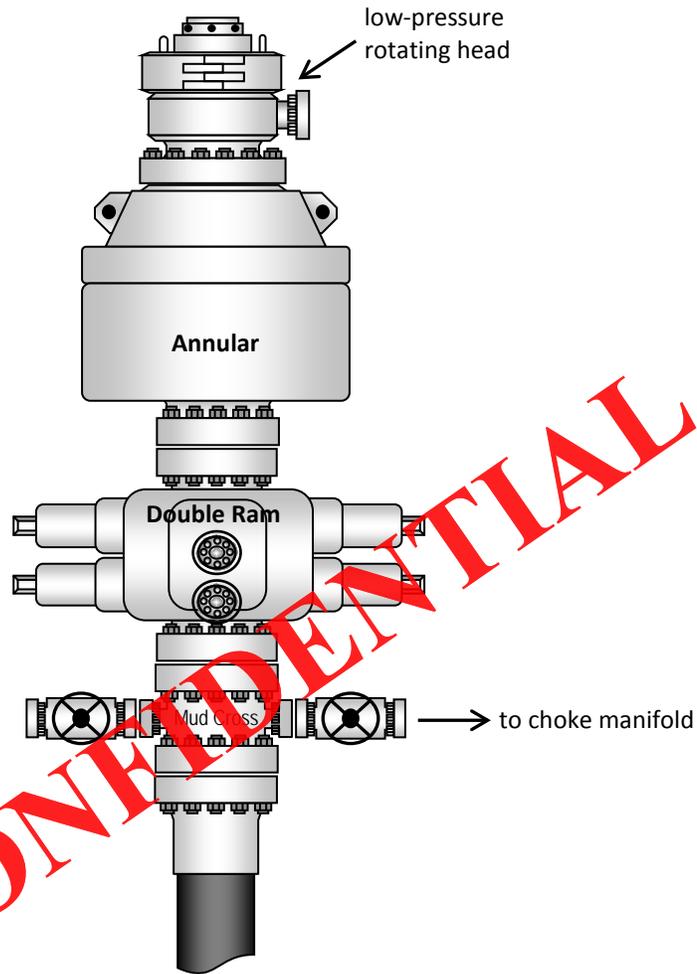
A liner with a system of open hole packers will be used to provide multi-stage frac isolation in the lateral. The top of the liner will be placed 50' above KOP and will be isolated with a liner top packer.

Newfield requests the following variances from Onshore Order #2:

- Variance from Onshore Order #2, III.E.1

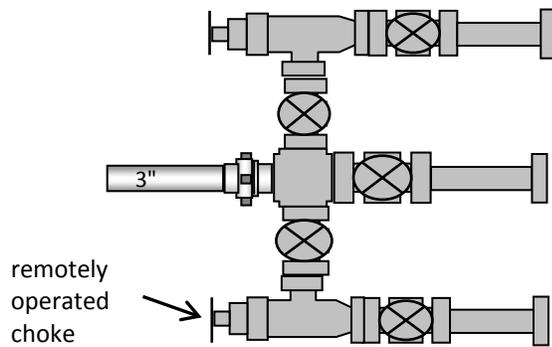
Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

Typical 5M BOP stack configuration



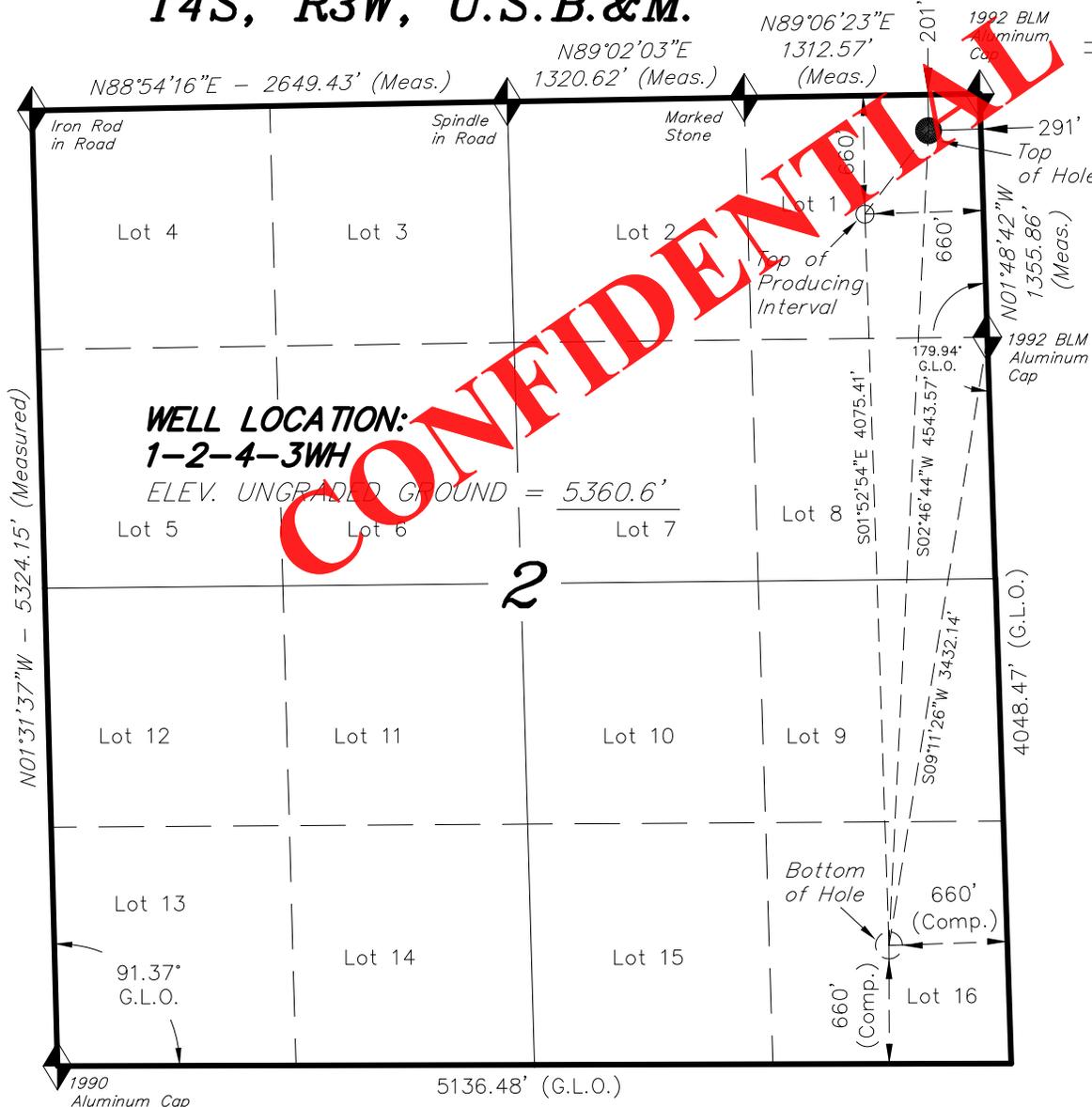
**CONFIDENTIAL**

Typical 5M choke manifold configuration



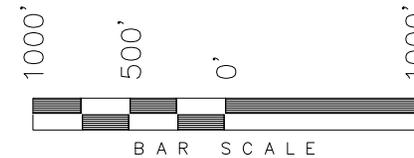
**T4S, R3W, U.S.B.&M.**

**NEWFIELD EXPLORATION COMPANY**



WELL LOCATION, 1-2-4-3WH, LOCATED AS SHOWN IN LOT 1 OF SECTION 2, T4S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 1-2-4-3WH, LOCATED AS SHOWN IN LOT 16 OF SECTION 2, T4S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Top of Producing Interval bears  $S37^{\circ}17'19''W$  584.49' from the Top of Hole.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

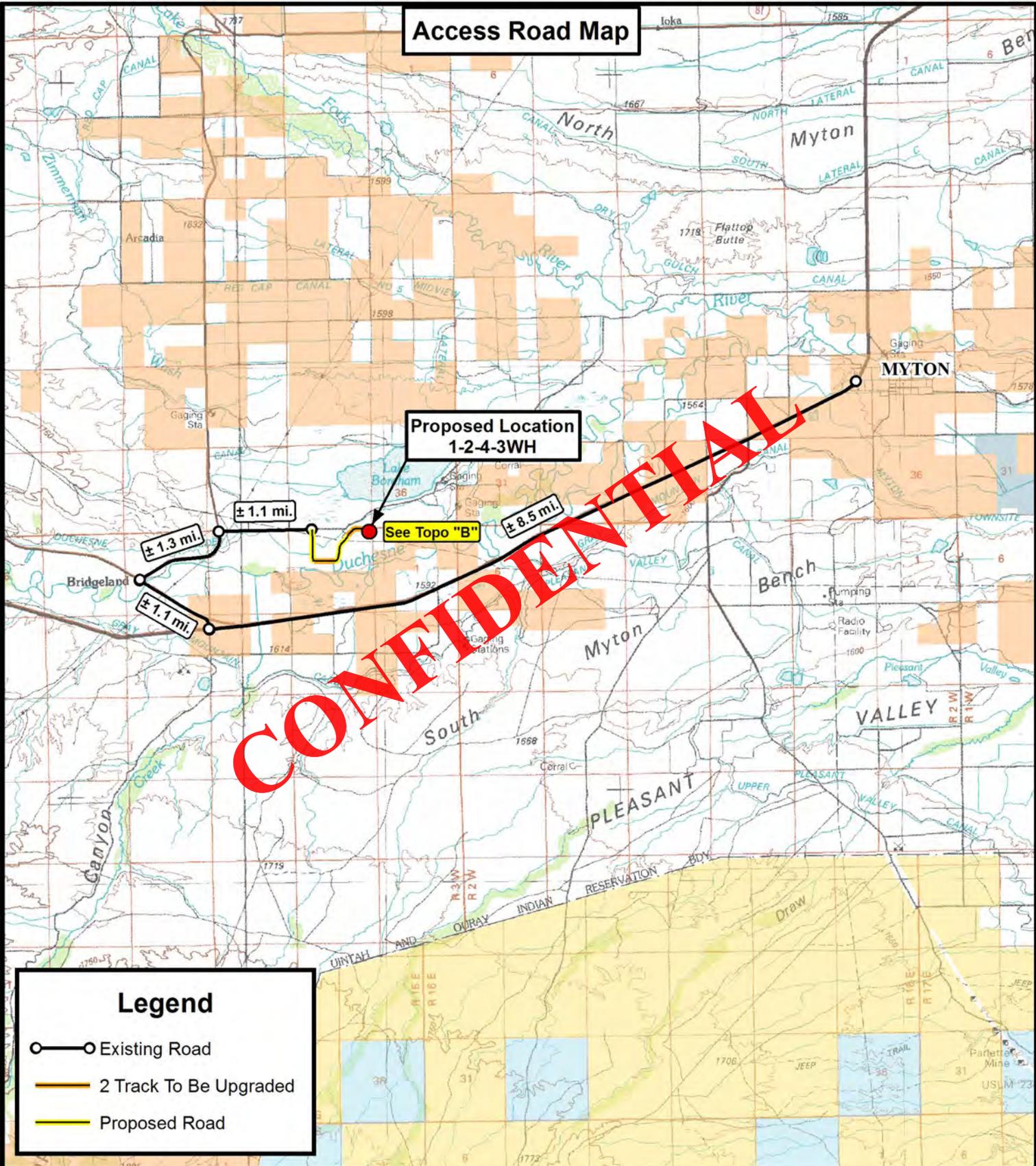
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT.  $40^{\circ}04'09.56''$  LONG.  $110^{\circ}00'43.28''$  (Tristate Aluminum Cap) Elev. 5281.57'

**1-2-4-3WH**  
 (Surface Location) NAD 83  
 LATITUDE =  $40^{\circ}10'14.60''$   
 LONGITUDE =  $110^{\circ}10'54.98''$

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

|                            |                   |          |
|----------------------------|-------------------|----------|
| DATE SURVEYED:<br>03-01-12 | SURVEYED BY: P.H. | VERSION: |
| DATE DRAWN:<br>03-06-12    | DRAWN BY: R.B.T.  | V1       |
| REVISED:                   | SCALE: 1" = 1000' |          |

**Access Road Map**



**Legend**

- Existing Road
- 2 Track To Be Upgraded
- Proposed Road

**Tri State Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



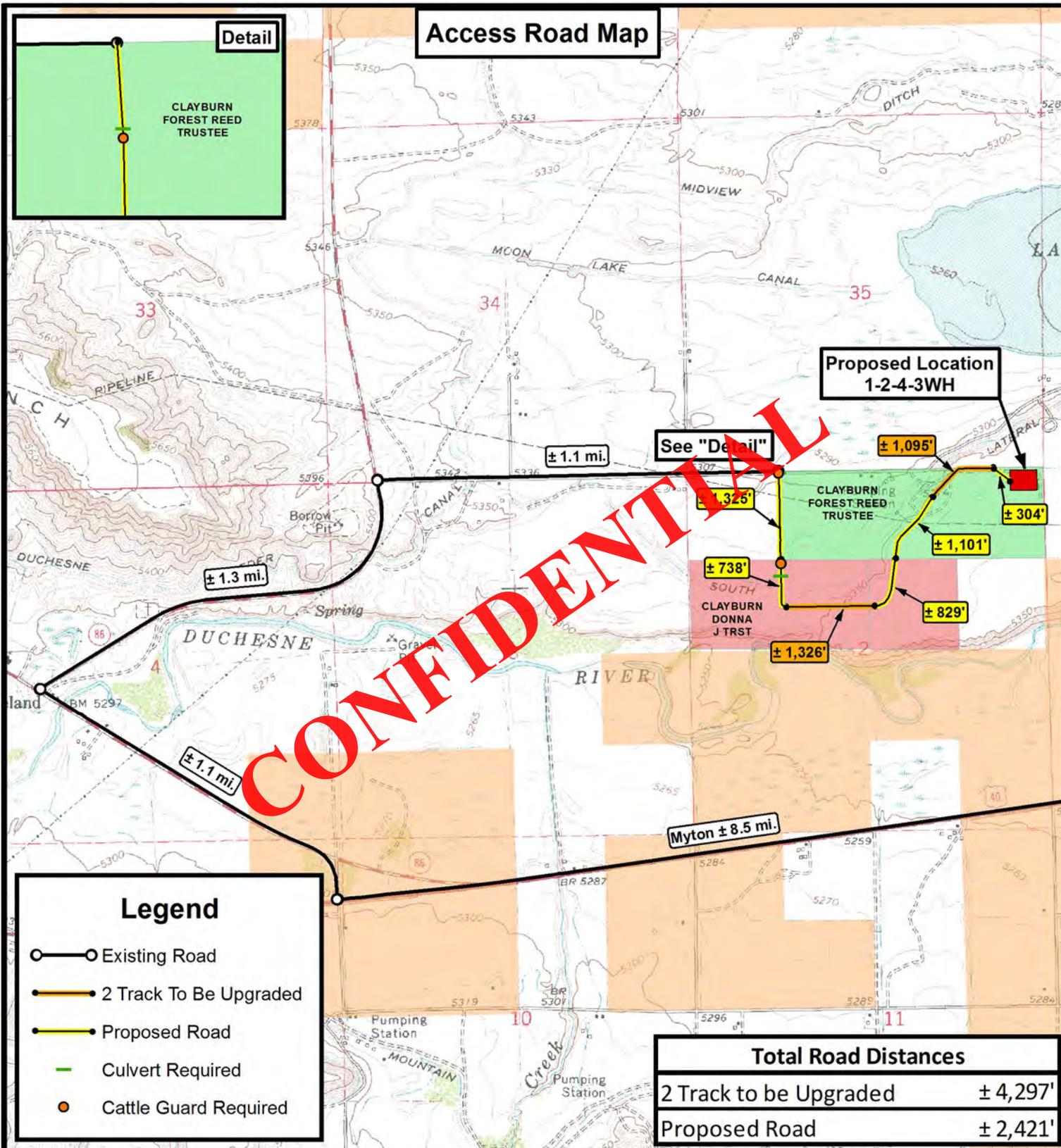
**NEWFIELD EXPLORATION COMPANY**

**1-2-4-3WH**  
**SEC. 2, T4S, R3W, U.S.B.&M.**  
**Duchesne County, UT.**

|           |            |          |           |
|-----------|------------|----------|-----------|
| DRAWN BY: | D.C.R.     | REVISED: | VERSION:  |
| DATE:     | 03-06-2012 |          | <b>V1</b> |
| SCALE:    | 1:100,000  |          |           |

**TOPOGRAPHIC MAP**

SHEET  
**A**



**Legend**

- Existing Road
- 2 Track To Be Upgraded
- Proposed Road
- Culvert Required
- Cattle Guard Required

| Total Road Distances   |          |
|------------------------|----------|
| 2 Track to be Upgraded | ± 4,297' |
| Proposed Road          | ± 2,421' |

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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|                    |          |          |
|--------------------|----------|----------|
| DRAWN BY: D.C.R.   | REVISED: | VERSION: |
| DATE: 03-06-2012   |          | V1       |
| SCALE: 1" = 2,000' |          |          |



**NEWFIELD EXPLORATION COMPANY**

1-2-4-3WH  
SEC. 2, T4S, R3W, U.S.B.&M.  
Duchesne County, UT.

**TOPOGRAPHIC MAP**

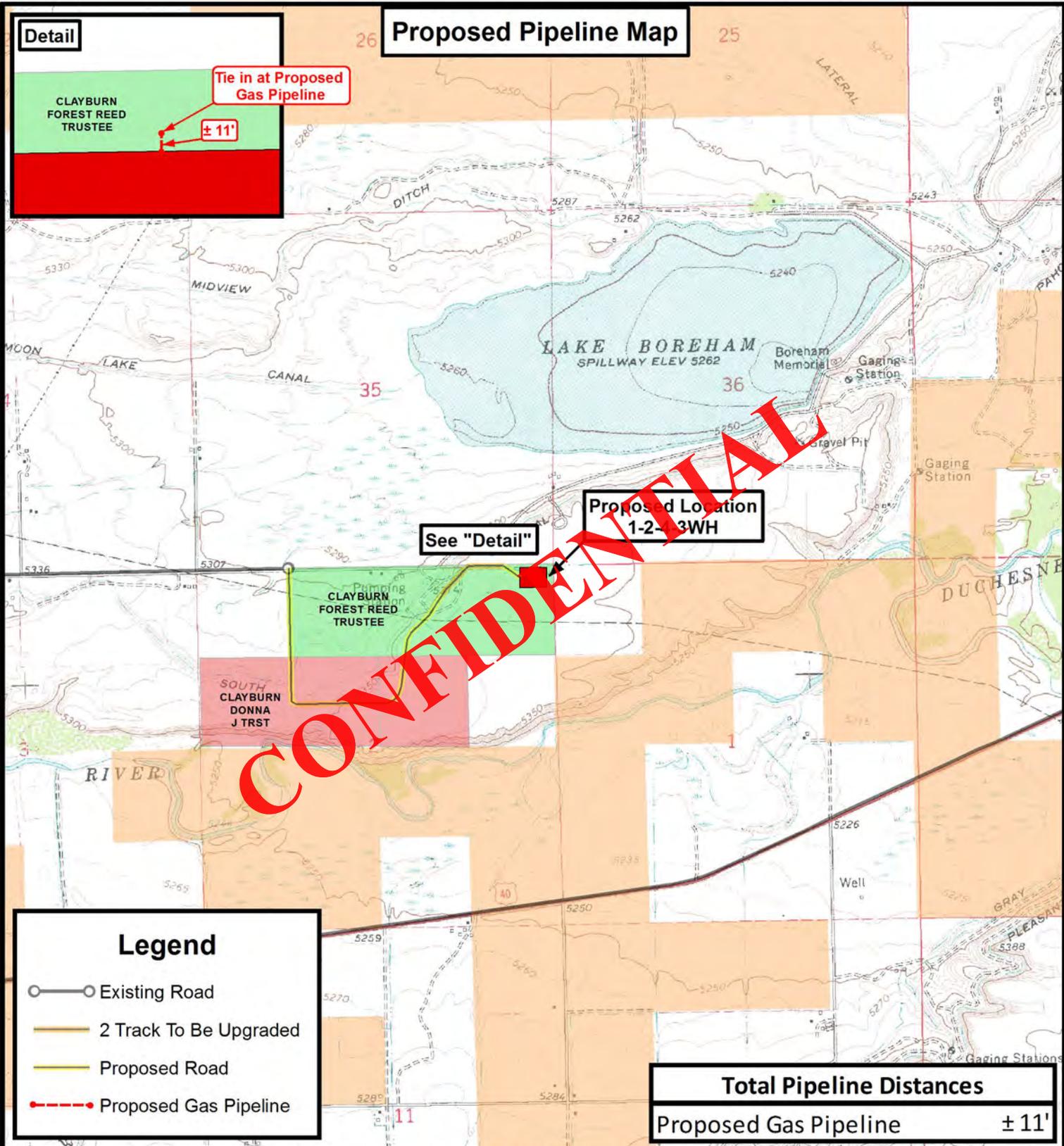
SHEET **B**

**Proposed Pipeline Map**

**Detail**

Tie in at Proposed Gas Pipeline  
± 11'

CLAYBURN FOREST REED TRUSTEE



See "Detail"  
Proposed Location 1-2-4-3WH

**Legend**

- Existing Road
- 2 Track To Be Upgraded
- Proposed Road
- Proposed Gas Pipeline

| Total Pipeline Distances |       |
|--------------------------|-------|
| Proposed Gas Pipeline    | ± 11' |

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|                    |          |             |
|--------------------|----------|-------------|
| DRAWN BY: D.C.R.   | REVISED: | VERSION: V1 |
| DATE: 03-06-2012   |          |             |
| SCALE: 1" = 2,000' |          |             |



**NEWFIELD EXPLORATION COMPANY**

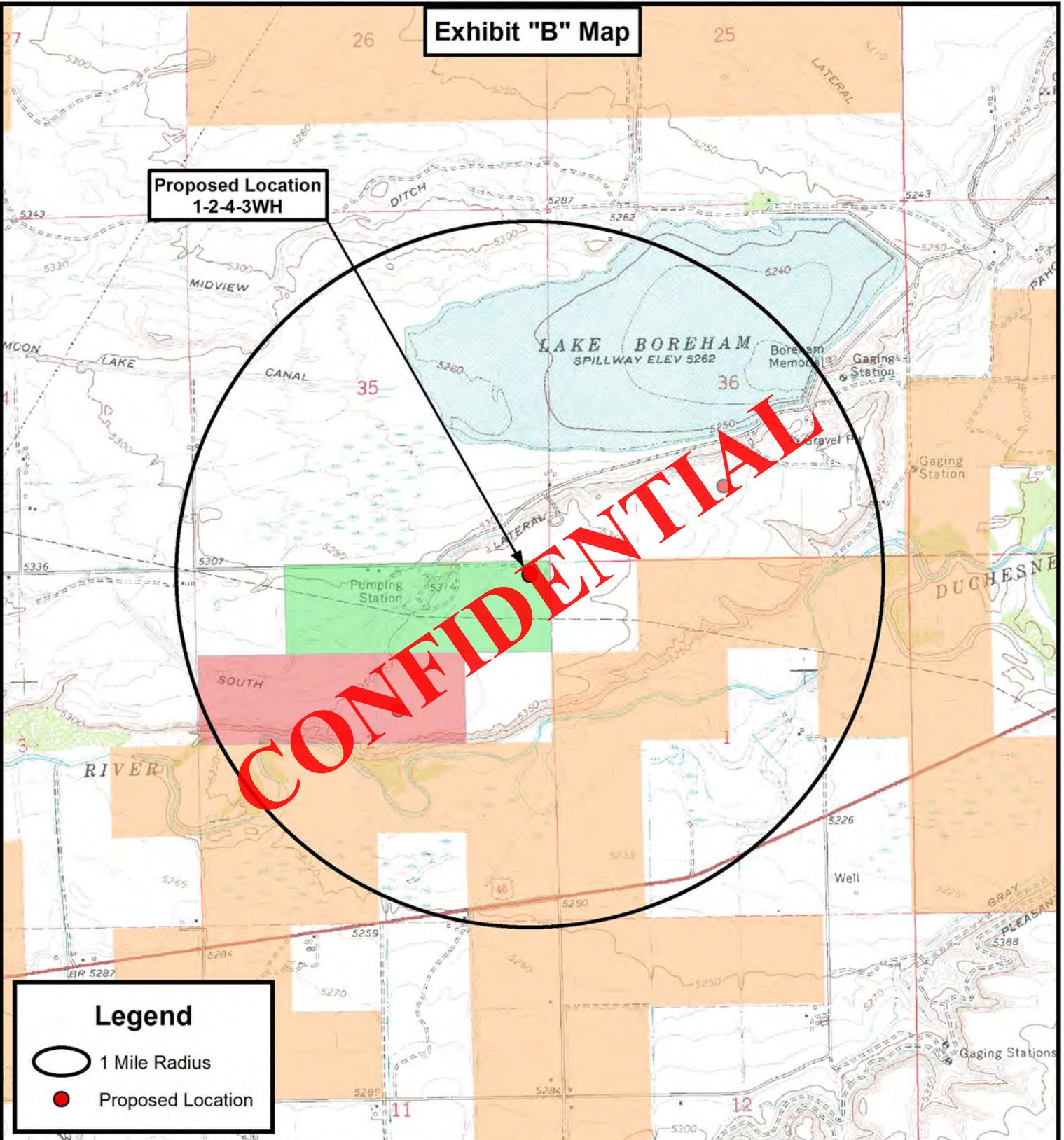
1-2-4-3WH  
SEC. 2, T4S, R3W, U.S.B.&M.  
Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **C**

**Exhibit "B" Map**

**Proposed Location  
1-2-4-3WH**



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**Legend**

-  1 Mile Radius
-  Proposed Location

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**NEWFIELD EXPLORATION COMPANY**

**1-2-4-3WH  
SEC. 2, T4S, R3W, U.S.B.&M.  
Duchesne County, UT.**

|           |             |          |           |
|-----------|-------------|----------|-----------|
| DRAWN BY: | D.C.R.      | REVISED: | VERSION:  |
| DATE:     | 03-06-2012  |          | <b>V1</b> |
| SCALE:    | 1" = 2,000' |          |           |

**TOPOGRAPHIC MAP**

SHEET  
**D**

**NEWFIELD**



**NEWFIELD EXPLORATION CO.**  
**DUCHESNE COUNTY, UT**

**FOREST 1-2-4-3WH**

**Plan: Design #2**

**Standard Survey Report**

**30 APRIL, 2012**

**CONFIDENTIAL**



**Weatherford®**



Project: DUCHESNE COUNTY, UT  
 Site: FOREST 1-2-4-3WH  
 Well: FOREST 1-2-4-3WH  
 Wellbore: FOREST 1-2-4-3WH  
 Design: Design #2  
 Latitude: 40° 10' 14.600 N  
 Longitude: 110° 10' 54.980 W  
 GL: 5361.00  
 KB: WELL @ 5372.00ft (Original Well Elev)



### WELLBORE TARGET DETAILS (LAT/LONG)

| Name                  | TVD     | +N/-S    | +E/-W   | Latitude        | Longitude         | Shape |
|-----------------------|---------|----------|---------|-----------------|-------------------|-------|
| PBHL FOREST 1-2-4-3WH | 7727.00 | -4538.23 | -220.28 | 40° 9' 29.749 N | 110° 10' 57.817 W | Point |
| LP FOREST             | 7989.18 | -515.23  | -406.12 | 40° 10' 9.508 N | 110° 11' 0.212 W  | Point |

### WELL DETAILS: FOREST 1-2-4-3WH

| +N/-S | +E/-W | Northing   | Ground Level:<br>Easting | 5361.00<br>Latitude | Longitude         | Slot |
|-------|-------|------------|--------------------------|---------------------|-------------------|------|
| 0.00  | 0.00  | 7233624.41 | 2008723.07               | 40° 10' 14.600 N    | 110° 10' 54.980 W |      |

### SECTION DETAILS

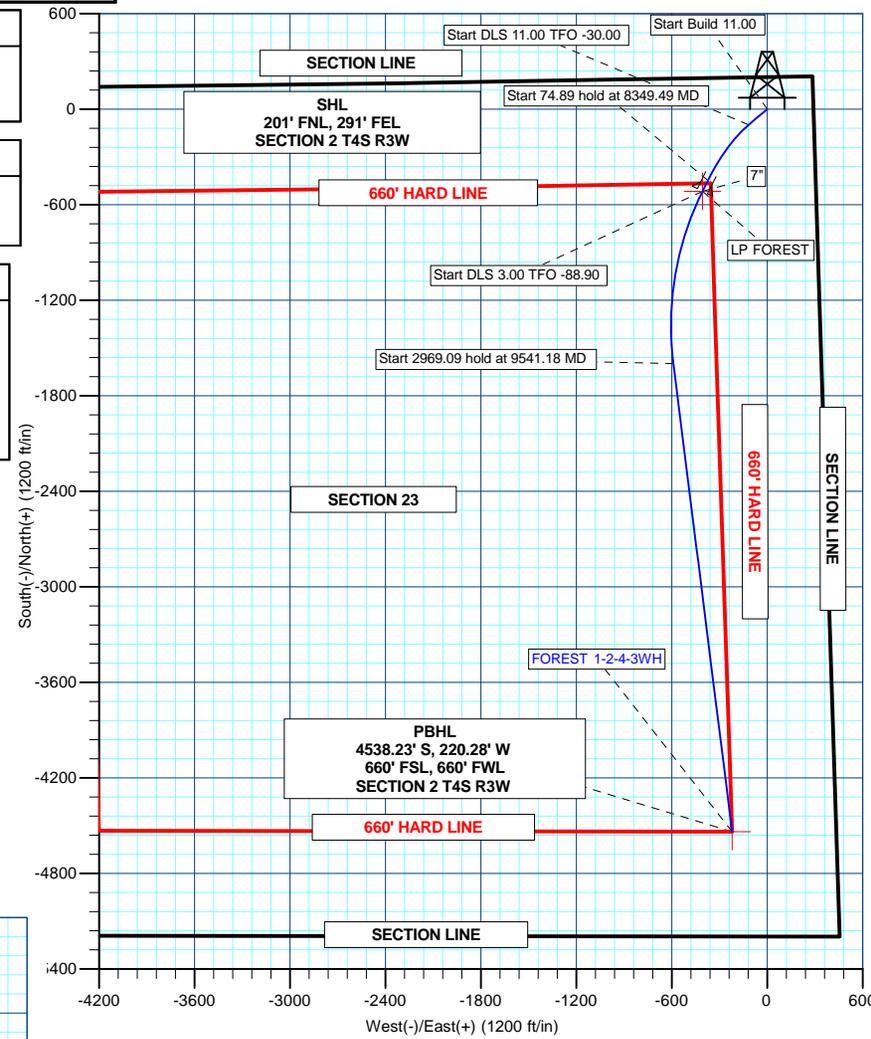
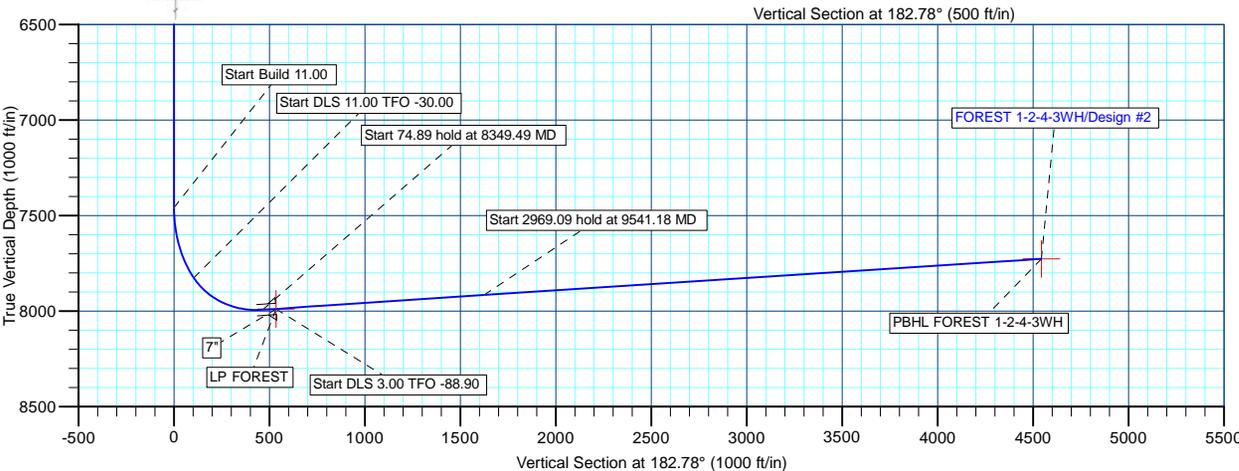
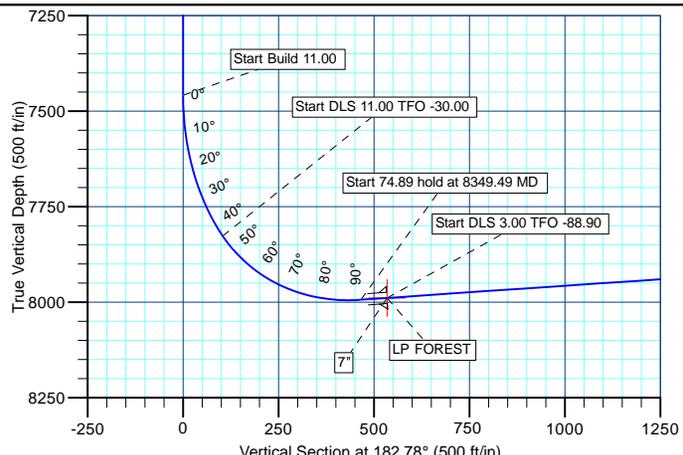
| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | DLS   | TFace  | VSec    | Annotation                       |
|----------|-------|--------|---------|----------|---------|-------|--------|---------|----------------------------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    |                                  |
| 7458.50  | 0.00  | 0.00   | 7458.50 | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    | Start Build 11.00                |
| 7867.59  | 45.00 | 230.00 | 7826.81 | -98.06   | -116.87 | 11.00 | 230.00 | 103.61  | Start DLS 11.00 TFO -30.00       |
| 8349.49  | 93.65 | 206.41 | 7993.95 | -48.29   | -72.57  | 11.00 | -30.00 | 465.84  | Start 74.89 hold at 8349.49 MD   |
| 8424.39  | 93.65 | 206.41 | 7993.95 | -55.23   | -106.11 | 0.00  | 0.00   | 534.31  | Start DLS 3.00 TFO -88.90        |
| 9541.18  | 93.65 | 172.84 | 7727.00 | -15.99   | -158.99 | 3.00  | -88.90 | 1625.00 | Start 2969.09 hold at 9541.18 MD |
| 12510.27 | 93.65 | 172.84 | 7727.00 | -4538.23 | -220.28 | 0.00  | 0.00   | 4543.57 | TD at 12510.27                   |

Azimuths to True North  
Magnetic North: 11.31°

Magnetic Field  
Strength: 52182.6snT  
Dip Angle: 65.84°  
Date: 4/25/2012  
Model: BGGM2011

### CASING DETAILS

| TVD     | MD      | Name | Size |
|---------|---------|------|------|
| 7989.18 | 8424.39 |      | 7" 7 |



**NEWFIELD**



**NEWFIELD EXPLORATION CO.**

**DUCHESNE COUNTY, UT**

**FOREST 1-2-4-3WH**

**FOREST 1-2-4-3WH**

**FOREST 1-2-4-3WH**

**Plan: Design #2**

**Standard Planning Report**

**30 April, 2012**

**CONFIDENTIAL**



**Weatherford®**



|                  |                            |                                     |                                       |
|------------------|----------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well FOREST 1-2-4-3WH                 |
| <b>Company:</b>  | NEWFIELD EXPLORATION CO.   | <b>TVD Reference:</b>               | WELL @ 5379.00ft (Original Well Elev) |
| <b>Project:</b>  | DUCHESNE COUNTY, UT        | <b>MD Reference:</b>                | WELL @ 5379.00ft (Original Well Elev) |
| <b>Site:</b>     | FOREST 1-2-4-3WH           | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | FOREST 1-2-4-3WH           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | FOREST 1-2-4-3WH           |                                     |                                       |
| <b>Design:</b>   | Design #2                  |                                     |                                       |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | DUCHESNE COUNTY, UT       |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | Utah Central Zone         |                      |                |

|                              |                  |                     |                 |                          |                   |
|------------------------------|------------------|---------------------|-----------------|--------------------------|-------------------|
| <b>Site</b>                  | FOREST 1-2-4-3WH |                     |                 |                          |                   |
| <b>Site Position:</b>        |                  | <b>Northing:</b>    | 7,233,624.41 ft | <b>Latitude:</b>         | 40° 10' 14.600 N  |
| <b>From:</b>                 | Lat/Long         | <b>Easting:</b>     | 2,008,723.07 ft | <b>Longitude:</b>        | 110° 10' 54.980 W |
| <b>Position Uncertainty:</b> | 0.00 ft          | <b>Slot Radius:</b> | "               | <b>Grid Convergence:</b> | 0.84 °            |

|                             |                  |         |                            |                 |                      |                   |
|-----------------------------|------------------|---------|----------------------------|-----------------|----------------------|-------------------|
| <b>Well</b>                 | FOREST 1-2-4-3WH |         |                            |                 |                      |                   |
| <b>Well Position</b>        | <b>+N/-S</b>     | 0.00 ft | <b>Northing:</b>           | 7,233,624.41 ft | <b>Latitude:</b>     | 40° 10' 14.600 N  |
|                             | <b>+E/-W</b>     | 0.00 ft | <b>Easting:</b>            | 2,008,723.07 ft | <b>Longitude:</b>    | 110° 10' 54.980 W |
| <b>Position Uncertainty</b> |                  | 0.00 ft | <b>Wellhead Elevation:</b> | ft              | <b>Ground Level:</b> | 5,361.00 ft       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | FOREST 1-2-4-3WH  |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | BGGM2011          | 4/25/2012          | 11.31                  | 65.84                | 52,183                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Design #2                    |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PLAN              | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 182.78               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                 |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-----------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target          |
| 0.00                 | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 7,458.50             | 0.00            | 0.00        | 7,458.50            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 7,867.59             | 45.00           | 230.00      | 7,826.81            | -98.06     | -116.87    | 11.00                 | 11.00                | 0.00                | 230.00  |                 |
| 8,349.49             | 93.65           | 206.41      | 7,993.95            | -448.29    | -372.87    | 11.00                 | 10.10                | -4.90               | -30.00  |                 |
| 8,424.39             | 93.65           | 206.41      | 7,989.18            | -515.23    | -406.11    | 0.00                  | 0.00                 | 0.00                | 0.00    | LP FOREST       |
| 9,541.18             | 93.65           | 172.84      | 7,915.99            | -1,598.29  | -589.76    | 3.00                  | 0.00                 | -3.01               | -88.90  |                 |
| 12,510.27            | 93.65           | 172.84      | 7,727.00            | -4,538.23  | -220.28    | 0.00                  | 0.00                 | 0.00                | 0.00    | PBHL FOREST 1-2 |



|                  |                            |                                     |                                       |
|------------------|----------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well FOREST 1-2-4-3WH                 |
| <b>Company:</b>  | NEWFIELD EXPLORATION CO.   | <b>TVD Reference:</b>               | WELL @ 5379.00ft (Original Well Elev) |
| <b>Project:</b>  | DUCHESNE COUNTY, UT        | <b>MD Reference:</b>                | WELL @ 5379.00ft (Original Well Elev) |
| <b>Site:</b>     | FOREST 1-2-4-3WH           | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | FOREST 1-2-4-3WH           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | FOREST 1-2-4-3WH           |                                     |                                       |
| <b>Design:</b>   | Design #2                  |                                     |                                       |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00              | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 200.00              | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 300.00              | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 400.00              | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 500.00              | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 900.00              | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,000.00            | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,100.00            | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,200.00            | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,300.00            | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.00            | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.00            | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,600.00            | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,700.00            | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,800.00            | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,900.00            | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,000.00            | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,100.00            | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.00            | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00            | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00            | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00            | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00            | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00            | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00            | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00            | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00            | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,100.00            | 0.00            | 0.00        | 3,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,200.00            | 0.00            | 0.00        | 3,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,300.00            | 0.00            | 0.00        | 3,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,400.00            | 0.00            | 0.00        | 3,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,500.00            | 0.00            | 0.00        | 3,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,600.00            | 0.00            | 0.00        | 3,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,700.00            | 0.00            | 0.00        | 3,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,800.00            | 0.00            | 0.00        | 3,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,900.00            | 0.00            | 0.00        | 3,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,000.00            | 0.00            | 0.00        | 4,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,100.00            | 0.00            | 0.00        | 4,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,200.00            | 0.00            | 0.00        | 4,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,300.00            | 0.00            | 0.00        | 4,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,400.00            | 0.00            | 0.00        | 4,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,500.00            | 0.00            | 0.00        | 4,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,600.00            | 0.00            | 0.00        | 4,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,700.00            | 0.00            | 0.00        | 4,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,800.00            | 0.00            | 0.00        | 4,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,900.00            | 0.00            | 0.00        | 4,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,000.00            | 0.00            | 0.00        | 5,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,100.00            | 0.00            | 0.00        | 5,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,200.00            | 0.00            | 0.00        | 5,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,300.00            | 0.00            | 0.00        | 5,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |

CONFIDENTIAL



|                  |                            |                                     |                                       |
|------------------|----------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well FOREST 1-2-4-3WH                 |
| <b>Company:</b>  | NEWFIELD EXPLORATION CO.   | <b>TVD Reference:</b>               | WELL @ 5379.00ft (Original Well Elev) |
| <b>Project:</b>  | DUCHESNE COUNTY, UT        | <b>MD Reference:</b>                | WELL @ 5379.00ft (Original Well Elev) |
| <b>Site:</b>     | FOREST 1-2-4-3WH           | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | FOREST 1-2-4-3WH           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | FOREST 1-2-4-3WH           |                                     |                                       |
| <b>Design:</b>   | Design #2                  |                                     |                                       |

Planned Survey

| Measured Depth (ft)                               | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,400.00  | 0.00            | 0.00        | 5,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,500.00  | 0.00            | 0.00        | 5,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,600.00  | 0.00            | 0.00        | 5,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,700.00  | 0.00            | 0.00        | 5,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,800.00  | 0.00            | 0.00        | 5,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,900.00  | 0.00            | 0.00        | 5,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,000.00  | 0.00            | 0.00        | 6,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,100.00  | 0.00            | 0.00        | 6,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,200.00  | 0.00            | 0.00        | 6,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,300.00  | 0.00            | 0.00        | 6,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,400.00  | 0.00            | 0.00        | 6,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,500.00  | 0.00            | 0.00        | 6,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,600.00  | 0.00            | 0.00        | 6,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,700.00  | 0.00            | 0.00        | 6,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,800.00  | 0.00            | 0.00        | 6,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 6,900.00  | 0.00            | 0.00        | 6,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,000.00  | 0.00            | 0.00        | 7,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,100.00  | 0.00            | 0.00        | 7,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,200.00  | 0.00            | 0.00        | 7,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,300.00  | 0.00            | 0.00        | 7,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,400.00  | 0.00            | 0.00        | 7,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| <b>Start Build 11.00</b>                          |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,458.50  | 0.00            | 0.00        | 7,458.50            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 7,500.00  | 4.56            | 230.00      | 7,499.96            | -1.06      | -1.27      | 1.12                  | 11.00                 | 11.00                | 0.00                |
| 7,550.00  | 10.06           | 230.00      | 7,549.53            | -5.15      | -6.14      | 5.44                  | 11.00                 | 11.00                | 0.00                |
| 7,600.00  | 15.56           | 230.00      | 7,598.27            | -12.28     | -14.63     | 12.97                 | 11.00                 | 11.00                | 0.00                |
| 7,650.00  | 21.06           | 230.00      | 7,645.71            | -22.37     | -26.66     | 23.64                 | 11.00                 | 11.00                | 0.00                |
| 7,700.00  | 26.56           | 230.00      | 7,691.44            | -35.35     | -42.12     | 37.35                 | 11.00                 | 11.00                | 0.00                |
| 7,750.00  | 32.06           | 230.00      | 7,735.02            | -51.08     | -60.87     | 53.97                 | 11.00                 | 11.00                | 0.00                |
| 7,800.00  | 37.56           | 230.00      | 7,776.05            | -69.42     | -82.73     | 73.35                 | 11.00                 | 11.00                | 0.00                |
| 7,850.00  | 43.06           | 230.00      | 7,814.17            | -90.20     | -107.50    | 95.31                 | 11.00                 | 11.00                | 0.00                |
| <b>Start DLS 11.00 TFO -30.00</b>                 |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,867.59  | 45.00           | 230.00      | 7,826.81            | -98.06     | -116.87    | 103.61                | 11.00                 | 11.00                | 0.00                |
| 7,900.00  | 48.11           | 227.61      | 7,849.10            | -113.57    | -134.56    | 119.96                | 11.00                 | 9.61                 | -7.39               |
| 7,950.00  | 53.00           | 224.34      | 7,880.86            | -140.42    | -162.28    | 148.12                | 11.00                 | 9.78                 | -6.53               |
| 8,000.00  | 57.97           | 221.47      | 7,909.18            | -170.60    | -190.29    | 179.63                | 11.00                 | 9.93                 | -5.74               |
| 8,050.00  | 62.99           | 218.90      | 7,933.81            | -203.84    | -218.34    | 214.19                | 11.00                 | 10.05                | -5.14               |
| 8,100.00  | 68.06           | 216.55      | 7,954.52            | -239.83    | -246.15    | 251.48                | 11.00                 | 10.14                | -4.70               |
| 8,150.00  | 73.16           | 214.36      | 7,971.12            | -278.24    | -273.49    | 291.18                | 11.00                 | 10.20                | -4.37               |
| 8,200.00  | 78.28           | 212.29      | 7,983.45            | -318.72    | -300.09    | 332.89                | 11.00                 | 10.24                | -4.14               |
| 8,250.00  | 83.42           | 210.29      | 7,991.40            | -360.89    | -325.72    | 376.26                | 11.00                 | 10.27                | -3.99               |
| 8,300.00  | 88.56           | 208.34      | 7,994.90            | -404.36    | -350.12    | 420.86                | 11.00                 | 10.29                | -3.91               |
| <b>Start 74.89 hold at 8349.49 MD</b>             |                 |             |                     |            |            |                       |                       |                      |                     |
| 8,349.49  | 93.65           | 206.41      | 7,993.95            | -448.29    | -372.87    | 465.84                | 11.00                 | 10.29                | -3.89               |
| 8,400.00  | 93.65           | 206.41      | 7,990.73            | -493.43    | -395.29    | 512.02                | 0.00                  | 0.00                 | 0.00                |
| <b>Start DLS 3.00 TFO -88.90 - 7" - LP FOREST</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 8,424.39  | 93.65           | 206.41      | 7,989.18            | -515.23    | -406.12    | 534.32                | 0.00                  | 0.00                 | 0.00                |
| 8,500.00  | 93.69           | 204.14      | 7,984.34            | -583.46    | -438.33    | 604.03                | 3.00                  | 0.05                 | -3.01               |
| 8,600.00  | 93.74           | 201.13      | 7,977.86            | -675.55    | -476.73    | 697.87                | 3.00                  | 0.04                 | -3.01               |
| 8,700.00  | 93.77           | 198.13      | 7,971.31            | -769.53    | -510.25    | 793.36                | 3.00                  | 0.03                 | -3.01               |
| 8,800.00  | 93.79           | 195.12      | 7,964.71            | -865.13    | -538.79    | 890.24                | 3.00                  | 0.02                 | -3.01               |
| 8,900.00  | 93.81           | 192.11      | 7,958.08            | -962.10    | -562.28    | 988.22                | 3.00                  | 0.01                 | -3.01               |
| 9,000.00  | 93.81           | 189.11      | 7,951.44            | -1,060.16  | -580.64    | 1,087.06              | 3.00                  | 0.00                 | -3.01               |



|                  |                            |                                     |                                       |
|------------------|----------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well FOREST 1-2-4-3WH                 |
| <b>Company:</b>  | NEWFIELD EXPLORATION CO.   | <b>TVD Reference:</b>               | WELL @ 5379.00ft (Original Well Elev) |
| <b>Project:</b>  | DUCHESNE COUNTY, UT        | <b>MD Reference:</b>                | WELL @ 5379.00ft (Original Well Elev) |
| <b>Site:</b>     | FOREST 1-2-4-3WH           | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | FOREST 1-2-4-3WH           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | FOREST 1-2-4-3WH           |                                     |                                       |
| <b>Design:</b>   | Design #2                  |                                     |                                       |

**Planned Survey**

| Measured Depth (ft)                           | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 9,100.00                                      | 93.80           | 186.10      | 7,944.79            | -1,159.05  | -593.84    | 1,186.48              | 3.00                  | -0.01                | -3.01               |
| 9,200.00                                      | 93.79           | 183.09      | 7,938.17            | -1,258.50  | -601.84    | 1,286.20              | 3.00                  | -0.02                | -3.01               |
| 9,300.00                                      | 93.76           | 180.09      | 7,931.59            | -1,358.23  | -604.61    | 1,385.95              | 3.00                  | -0.03                | -3.01               |
| 9,400.00                                      | 93.72           | 177.08      | 7,925.07            | -1,457.98  | -602.14    | 1,485.45              | 3.00                  | -0.04                | -3.01               |
| 9,500.00                                      | 93.67           | 174.07      | 7,918.62            | -1,557.46  | -594.45    | 1,584.45              | 3.00                  | -0.05                | -3.01               |
| <b>Start 2969.09 hold at 9541.18 MD</b>       |                 |             |                     |            |            |                       |                       |                      |                     |
| 9,541.18                                      | 93.65           | 172.84      | 7,915.99            | -1,598.29  | -589.76    | 1,625.00              | 3.00                  | -0.06                | -3.01               |
| 9,600.00                                      | 93.65           | 172.84      | 7,912.24            | -1,656.53  | -582.44    | 1,662.82              | 0.00                  | 0.00                 | 0.00                |
| 9,700.00                                      | 93.65           | 172.84      | 7,905.88            | -1,755.55  | -570.00    | 1,691.12              | 0.00                  | 0.00                 | 0.00                |
| 9,800.00                                      | 93.65           | 172.84      | 7,899.51            | -1,854.57  | -557.55    | 1,719.42              | 0.00                  | 0.00                 | 0.00                |
| 9,900.00                                      | 93.65           | 172.84      | 7,893.15            | -1,953.58  | -545.11    | 1,747.71              | 0.00                  | 0.00                 | 0.00                |
| 10,000.00                                     | 93.65           | 172.84      | 7,886.78            | -2,052.60  | -532.67    | 1,776.01              | 0.00                  | 0.00                 | 0.00                |
| 10,100.00                                     | 93.65           | 172.84      | 7,880.42            | -2,151.62  | -520.22    | 1,804.31              | 0.00                  | 0.00                 | 0.00                |
| 10,200.00                                     | 93.65           | 172.84      | 7,874.05            | -2,250.64  | -507.78    | 1,832.61              | 0.00                  | 0.00                 | 0.00                |
| 10,300.00                                     | 93.65           | 172.84      | 7,867.69            | -2,349.66  | -495.33    | 1,860.91              | 0.00                  | 0.00                 | 0.00                |
| 10,400.00                                     | 93.65           | 172.84      | 7,861.32            | -2,448.67  | -482.89    | 1,889.21              | 0.00                  | 0.00                 | 0.00                |
| 10,500.00                                     | 93.65           | 172.84      | 7,854.96            | -2,547.69  | -470.44    | 1,917.51              | 0.00                  | 0.00                 | 0.00                |
| 10,600.00                                     | 93.65           | 172.84      | 7,848.59            | -2,646.71  | -458.00    | 1,945.81              | 0.00                  | 0.00                 | 0.00                |
| 10,700.00                                     | 93.65           | 172.84      | 7,842.23            | -2,745.73  | -445.56    | 1,974.11              | 0.00                  | 0.00                 | 0.00                |
| 10,800.00                                     | 93.65           | 172.84      | 7,835.86            | -2,844.75  | -433.11    | 2,002.41              | 0.00                  | 0.00                 | 0.00                |
| 10,900.00                                     | 93.65           | 172.84      | 7,829.50            | -2,943.77  | -420.67    | 2,030.71              | 0.00                  | 0.00                 | 0.00                |
| 11,000.00                                     | 93.65           | 172.84      | 7,823.13            | -3,042.78  | -408.22    | 2,059.01              | 0.00                  | 0.00                 | 0.00                |
| 11,100.00                                     | 93.65           | 172.84      | 7,816.77            | -3,141.80  | -395.78    | 2,087.31              | 0.00                  | 0.00                 | 0.00                |
| 11,200.00                                     | 93.65           | 172.84      | 7,810.40            | -3,240.82  | -383.33    | 2,115.61              | 0.00                  | 0.00                 | 0.00                |
| 11,300.00                                     | 93.65           | 172.84      | 7,804.04            | -3,339.84  | -370.89    | 2,143.91              | 0.00                  | 0.00                 | 0.00                |
| 11,400.00                                     | 93.65           | 172.84      | 7,797.67            | -3,438.86  | -358.45    | 2,172.21              | 0.00                  | 0.00                 | 0.00                |
| 11,500.00                                     | 93.65           | 172.84      | 7,791.31            | -3,537.88  | -346.00    | 2,200.51              | 0.00                  | 0.00                 | 0.00                |
| 11,600.00                                     | 93.65           | 172.84      | 7,784.94            | -3,636.89  | -333.56    | 2,228.81              | 0.00                  | 0.00                 | 0.00                |
| 11,700.00                                     | 93.65           | 172.84      | 7,778.58            | -3,735.91  | -321.11    | 2,257.11              | 0.00                  | 0.00                 | 0.00                |
| 11,800.00                                     | 93.65           | 172.84      | 7,772.21            | -3,834.93  | -308.67    | 2,285.41              | 0.00                  | 0.00                 | 0.00                |
| 11,900.00                                     | 93.65           | 172.84      | 7,765.84            | -3,933.95  | -296.22    | 2,313.71              | 0.00                  | 0.00                 | 0.00                |
| 12,000.00                                     | 93.65           | 172.84      | 7,759.48            | -4,032.97  | -283.78    | 2,342.01              | 0.00                  | 0.00                 | 0.00                |
| 12,100.00                                     | 93.65           | 172.84      | 7,753.11            | -4,131.99  | -271.34    | 2,370.31              | 0.00                  | 0.00                 | 0.00                |
| 12,200.00                                     | 93.65           | 172.84      | 7,746.75            | -4,231.00  | -258.89    | 2,398.61              | 0.00                  | 0.00                 | 0.00                |
| 12,300.00                                     | 93.65           | 172.84      | 7,740.38            | -4,330.02  | -246.45    | 2,426.91              | 0.00                  | 0.00                 | 0.00                |
| 12,400.00                                     | 93.65           | 172.84      | 7,734.02            | -4,429.04  | -234.00    | 2,455.21              | 0.00                  | 0.00                 | 0.00                |
| 12,500.00                                     | 93.65           | 172.84      | 7,727.65            | -4,528.06  | -221.56    | 2,483.51              | 0.00                  | 0.00                 | 0.00                |
| <b>TD at 12510.27 - PBHL FOREST 1-2-4-3WH</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 12,510.27                                     | 93.65           | 172.84      | 7,727.00            | -4,538.23  | -220.28    | 2,483.57              | 0.00                  | 0.00                 | 0.00                |

**Design Targets**

| Target Name   | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude        | Longitude         |
|---|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|-------------------|
| PBHL FOREST 1-2-4-<br>- hit/miss target<br>- Shape<br>- Point   | 0.00          | 0.00         | 7,727.00 | -4,538.23  | -220.28    | 7,229,083.44  | 2,008,569.69 | 40° 9' 29.749 N | 110° 10' 57.817 W |
| LP FOREST<br>- plan misses target center by 0.01ft at 8424.39ft MD (7989.18 TVD, -515.23 N, -406.12 E)<br>- Point | 0.00          | 0.00         | 7,989.18 | -515.23    | -406.12    | 7,233,103.25  | 2,008,324.59 | 40° 10' 9.508 N | 110° 11' 0.212 W  |



|                  |                            |                                     |                                       |
|------------------|----------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well FOREST 1-2-4-3WH                 |
| <b>Company:</b>  | NEWFIELD EXPLORATION CO.   | <b>TVD Reference:</b>               | WELL @ 5379.00ft (Original Well Elev) |
| <b>Project:</b>  | DUCHESNE COUNTY, UT        | <b>MD Reference:</b>                | WELL @ 5379.00ft (Original Well Elev) |
| <b>Site:</b>     | FOREST 1-2-4-3WH           | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | FOREST 1-2-4-3WH           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | FOREST 1-2-4-3WH           |                                     |                                       |
| <b>Design:</b>   | Design #2                  |                                     |                                       |

**Casing Points**

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------|---------------------|------|---------------------|-------------------|
| 8,424.39            | 7,989.18            | 7"   | 7                   | 8-3/4             |

**Plan Annotations**

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                          |
|---------------------|---------------------|-------------------|------------|----------------------------------|
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                  |
| 7,458.50            | 7,458.50            | 0.00              | 0.00       | Start Build 11.00                |
| 7,867.59            | 7,826.81            | -98.06            | -116.87    | Start DLS 1.00 TFO -80.00        |
| 8,349.49            | 7,993.95            | -448.29           | -372.87    | Start 7.89 hold at 8349.49 MD    |
| 8,424.39            | 7,989.18            | -515.23           | -406.11    | Start DLS 3.00 TFO -88.90        |
| 9,541.18            | 7,915.99            | -1,598.29         | -589.76    | Start 2969.09 hold at 9541.18 MD |
| 12,510.27           | 7,727.00            | -4,538.23         | -220.28    | TD at 12510.27                   |

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**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT**

Greg Boggs personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Greg Boggs. I am a Landman for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Forest 1-2-4-3WH well with a surface location to be positioned in the NENE of Section 2, Township 4 South, Range 3 West, Duchesne County, Utah (the "Drillsite Location") with a bottom hole location in the SESE of Section 2, Township 4 South, Range 3 West, Duchesne County, Utah. The surface owner of the Drillsite Location is Forest Reed Clayburn, whose address is HC 64 Box 445, Duchesne, UT 84021 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated April 4, 2012 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

**CONFIDENTIAL**

*Greg Boggs*

ACKNOWLEDGEMENT

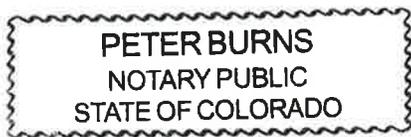
STATE OF COLORADO           §  
  §  
COUNTY OF DENVER           §

Before me, a Notary Public, in and for the State, on this 24 day of April 2012, personally appeared Greg Boggs, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

*PAB*

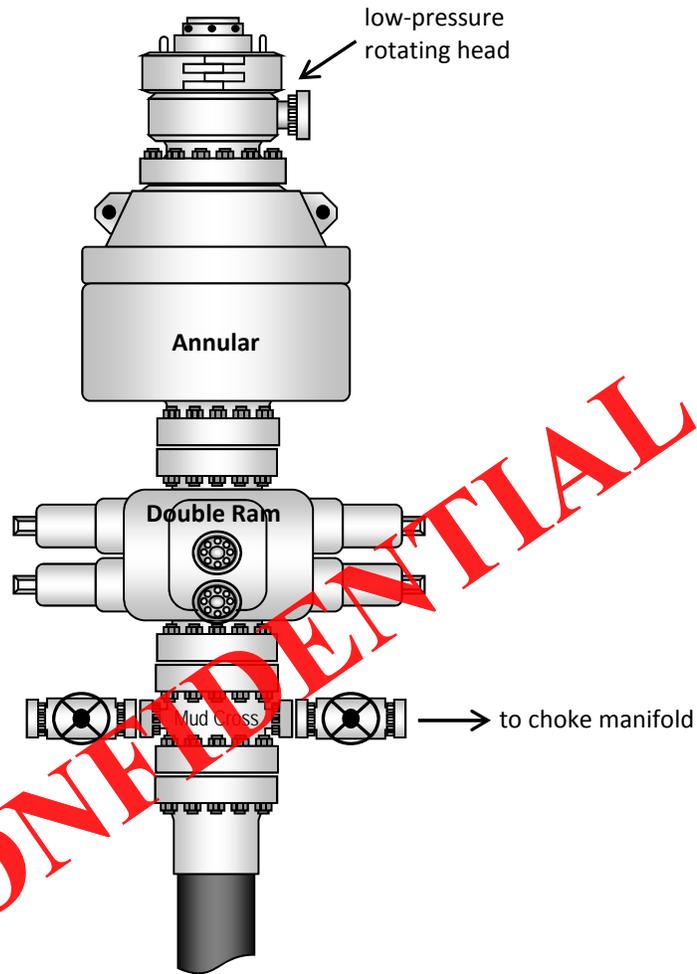
NOTARY PUBLIC

My Commission Expires:

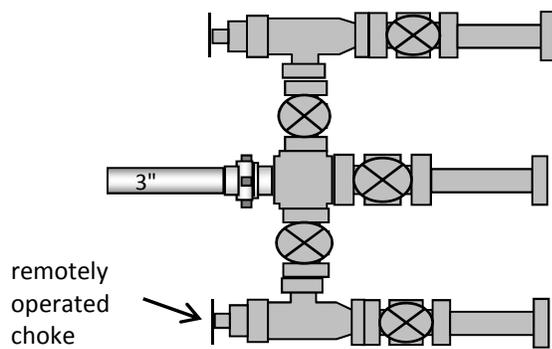


My Commission Expires 8/09/2015

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



# NEWFIELD EXPLORATION COMPANY

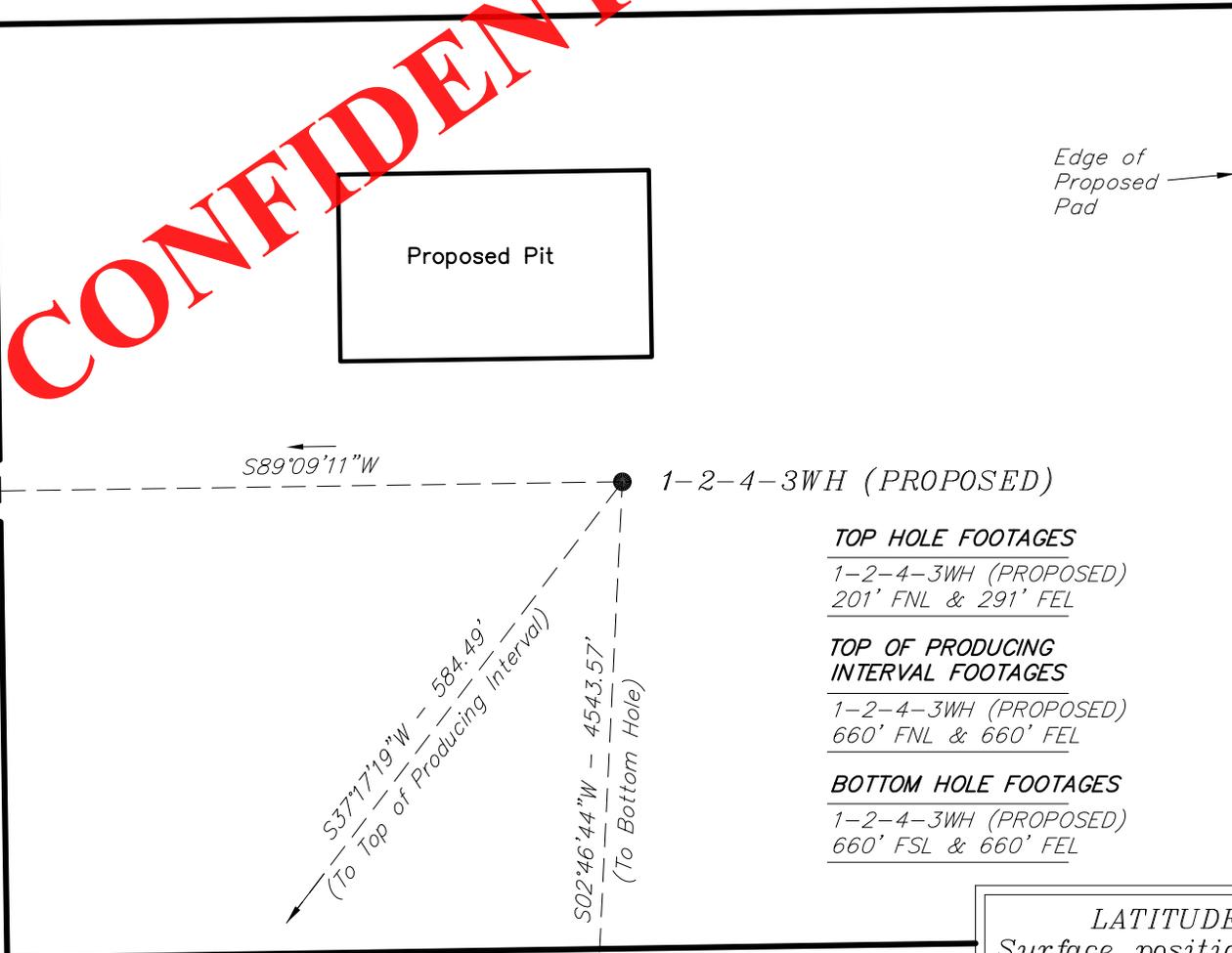
## WELL PAD INTERFERENCE PLAT

### 1-2-4-3WH (Proposed Well)

Pad Location: NENE Section 2, T4S, R3W, U.S.B.&M.

Section Line

Northeast Corner  
Section 2  
(1992 BLM  
Aluminum Cap)



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**TOP HOLE FOOTAGES**

1-2-4-3WH (PROPOSED)  
201' FNL & 291' FEL

**TOP OF PRODUCING INTERVAL FOOTAGES**

1-2-4-3WH (PROPOSED)  
660' FNL & 660' FEL

**BOTTOM HOLE FOOTAGES**

1-2-4-3WH (PROPOSED)  
660' FSL & 660' FEL

**Note:**  
Bearings are based  
on GPS Observations.

**RELATIVE COORDINATES**  
From Top Hole to Bottom Hole

| WELL      | NORTH   | EAST  |
|-----------|---------|-------|
| 1-2-4-3WH | -4,538' | -220' |

| LATITUDE & LONGITUDE<br>Surface position of Wells (NAD 83) |                |                 |
|--|----------------|-----------------|
| WELL   | LATITUDE       | LONGITUDE       |
| 1-2-4-3WH  | 40° 10' 14.60" | 110° 10' 54.98" |

|                   |                         |          |
|-------------------|-------------------------|----------|
| SURVEYED BY: P.H. | DATE SURVEYED: 03-01-12 | VERSION: |
| DRAWN BY: R.B.T.  | DATE DRAWN: 03-06-12    | V1       |
| SCALE: 1" = 60'   | REVISED:                |          |

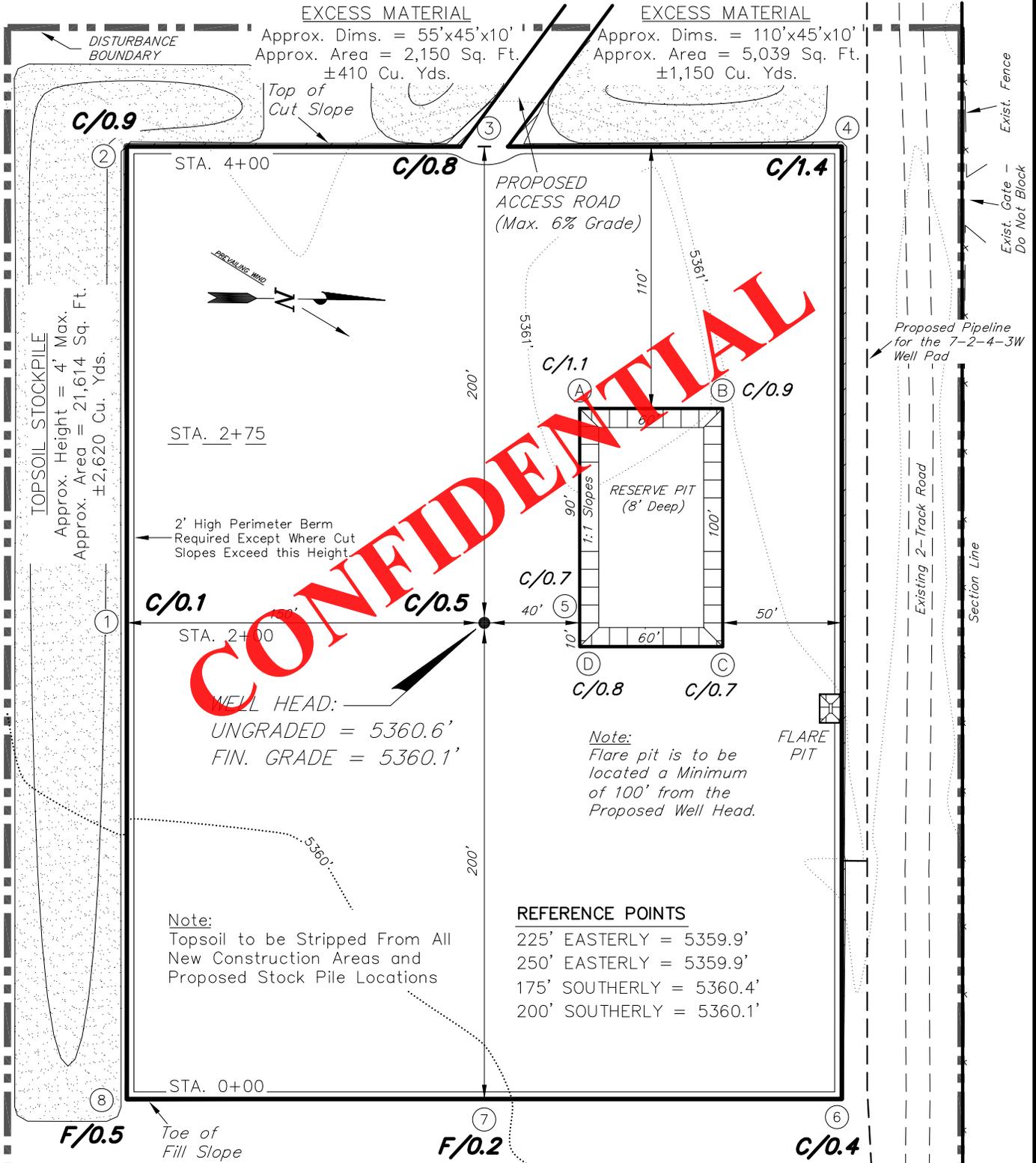
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

## PROPOSED LOCATION LAYOUT

1-2-4-3WH

Pad Location: NENE Section 2, T4S, R3W, U.S.B.&M.



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WELL HEAD:  
 UNGRADED = 5360.6'  
 FIN. GRADE = 5360.1'

Note:  
 Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

Note:  
 Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

REFERENCE POINTS  
 225' EASTERLY = 5359.9'  
 250' EASTERLY = 5359.9'  
 175' SOUTHERLY = 5360.4'  
 200' SOUTHERLY = 5360.1'

NOTE:  
 The topsoil & excess material areas are calculated as being mounds containing 4,180 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

|                   |                         |          |
|-------------------|-------------------------|----------|
| SURVEYED BY: P.H. | DATE SURVEYED: 03-01-12 | VERSION: |
| DRAWN BY: R.B.T.  | DATE DRAWN: 03-06-12    | V1       |
| SCALE: 1" = 60'   | REVISED:                |          |

(435) 781-2501

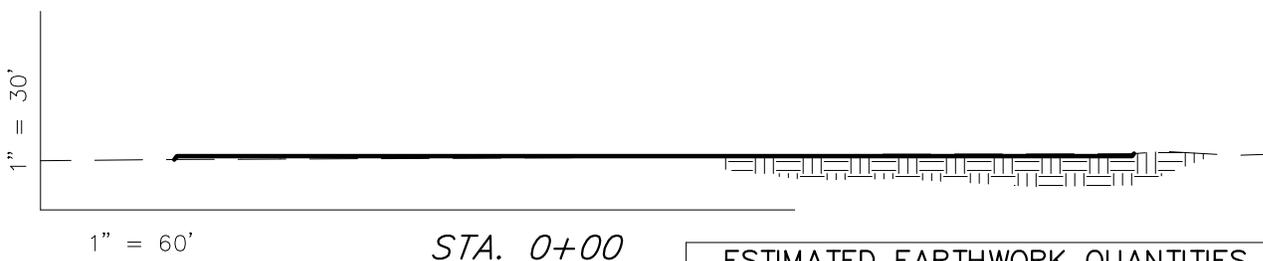
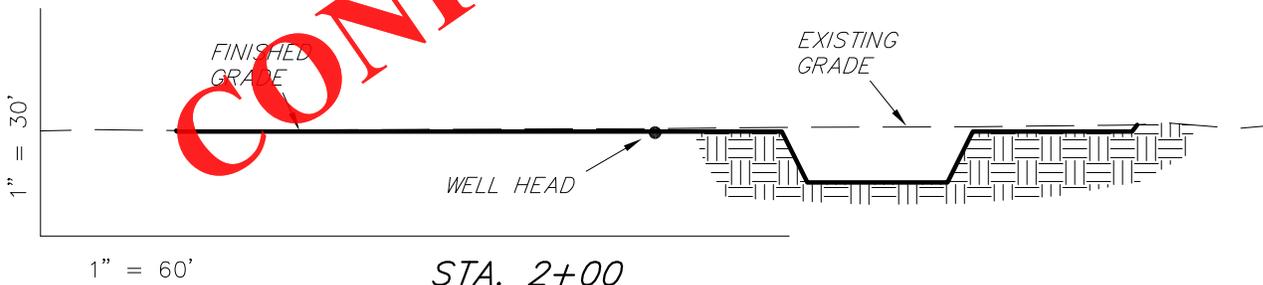
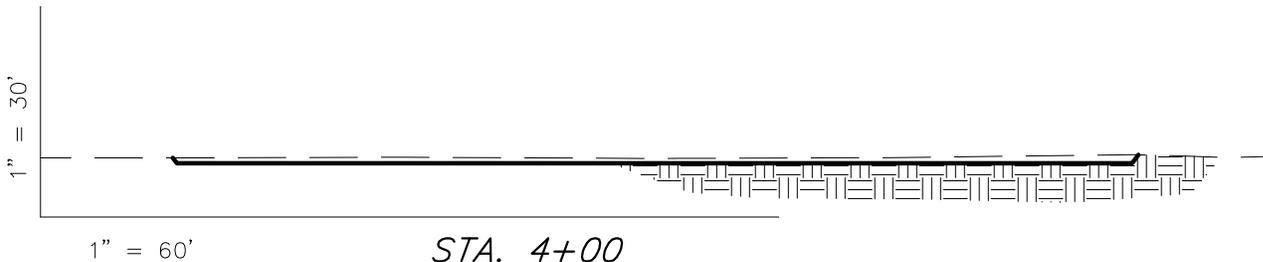
**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

1-2-4-3WH

Pad Location: NENE Section 2, T4S, R3W, U.S.B.&M.



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**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

| ITEM   | CUT   | FILL | 6" TOPSOIL                                | EXCESS |
|--------|-------|------|---|--------|
| PAD    | 760   | 760  | Topsoil is not included in Pad Cut Volume | 0      |
| PIT    | 1,420 | 0    |   | 1,420  |
| TOTALS | 2,180 | 760  | 2,380                                     | 1,420  |

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

|                   |                         |          |
|-------------------|-------------------------|----------|
| SURVEYED BY: P.H. | DATE SURVEYED: 03-01-12 | VERSION: |
| DRAWN BY: R.B.T.  | DATE DRAWN: 03-06-12    | V1       |
| SCALE: 1" = 60'   | REVISED:                |          |

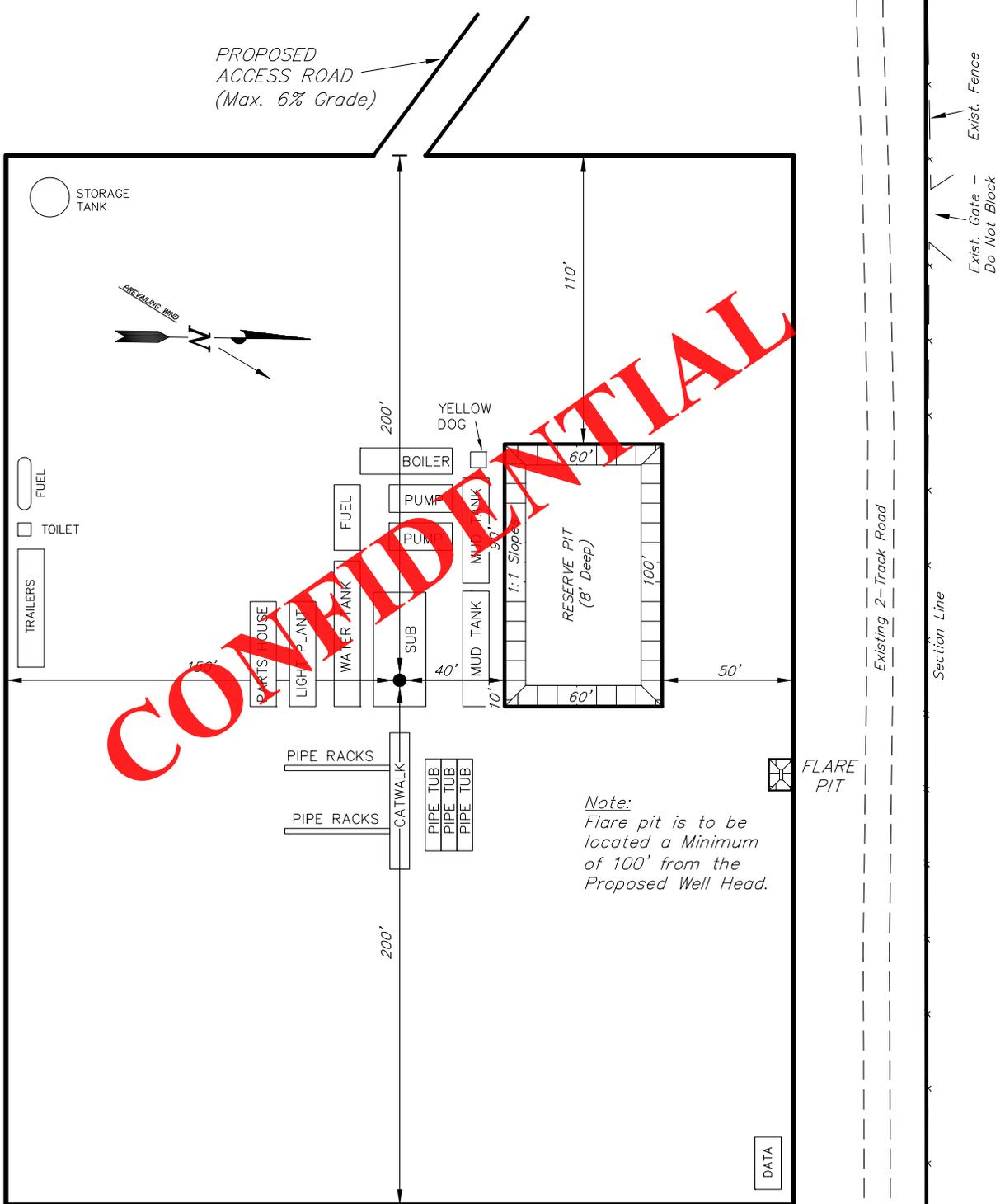
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

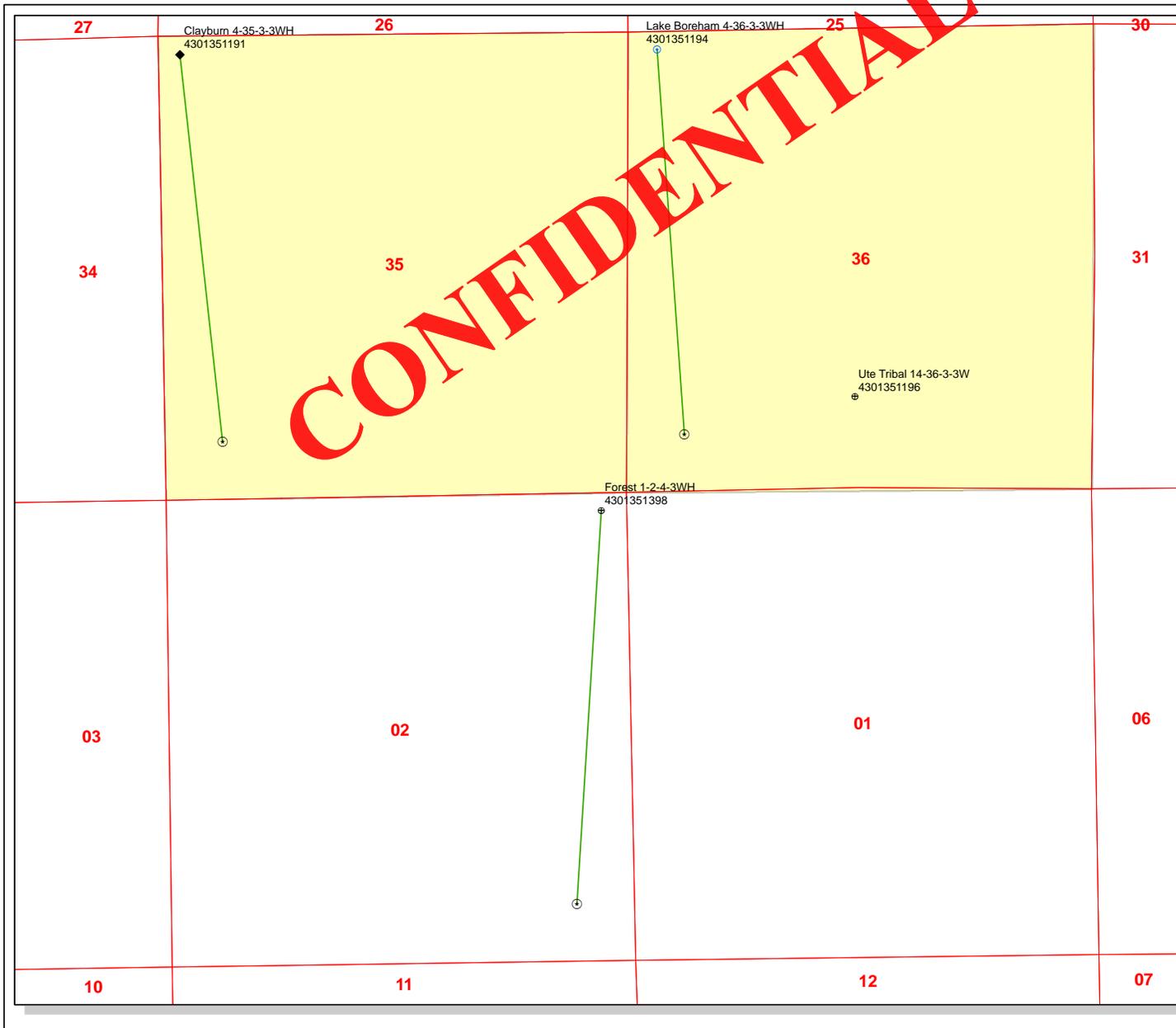
## TYPICAL RIG LAYOUT

### 1-2-4-3WH

Pad Location: NENE Section 2, T4S, R3W, U.S.B.&M.



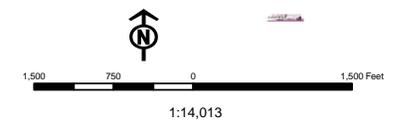
|                   |                         |          |   |
|-------------------|-------------------------|----------|---|
| SURVEYED BY: P.H. | DATE SURVEYED: 03-01-12 | VERSION: | <p>Tri State Land Surveying, Inc. (435) 781-2501<br/>180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p> |
| DRAWN BY: R.B.T.  | DATE DRAWN: 03-06-12    | V1       |   |
| SCALE: 1" = 60'   | REVISED:                |          |   |



**API Number: 4301351398**  
**Well Name: Forest 1-2-4-3WH**  
**Township T0.4 . Range R0.3 . Section 02**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units STATUS | Wells Query Status                 |
|--------------|------------------------------------|
| ACTIVE       | APD - Approved Permit              |
| EXPLORATORY  | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE  | GIW - Gas Injection                |
| NF PP OIL    | GS - Gas Storage                   |
| NF SECONDARY | LA - Location Abandoned            |
| PI OIL       | LOC - New Location                 |
| PP GAS       | OPS - Operation Suspended          |
| PP GEOTHERM  | PA - Plugged Abandoned             |
| PP OIL       | PGW - Producing Gas Well           |
| SECONDARY    | POW - Producing Oil Well           |
| TERMINATED   | RET - Returned APD                 |
|              | SGW - Shut-in Gas Well             |
|              | SOW - Shut-in Oil Well             |
|              | TA - Temp. Abandoned               |
|              | TW - Test Well                     |
|              | WDW - Water Disposal               |
|              | WW - Water Injection Well          |
|              | WSW - Water Supply Well            |



|  |   |       |       |       |
|--|---|-------|-------|-------|
| Well Name                                | NEWFIELD PRODUCTION COMPANY Forest 1-2-4-3WH 43013513980000 |       |       |       |
| String                                   | COND  | SURF  | I1    | L1    |
| Casing Size(")                           | 14.000  | 9.625 | 7.000 | 4.500 |
| Setting Depth (TVD)                      | 60  | 2500  | 8424  | 7713  |
| Previous Shoe Setting Depth (TVD)        | 0   | 60    | 2500  | 8424  |
| Max Mud Weight (ppg)                     | 8.3   | 8.3   | 11.5  | 11.5  |
| BOPE Proposed (psi)                      | 0   | 500   | 5000  | 5000  |
| Casing Internal Yield (psi)              | 1000  | 3520  | 9950  | 12410 |
| Operators Max Anticipated Pressure (psi) | 4420  |       |       | 11.0  |

|   |  |        |   |
|---|--|--------|---|
| Calculations                                  | COND String  | 14.000 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 26     |   |
|   |  |        | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 19     | NO  |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 13     | NO  |
|   |  |        | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 13     | NO  |
| Required Casing/BOPE Test Pressure=           |  | 60     | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 0      | psi *Assumes 1psi/ft frac gradient                      |

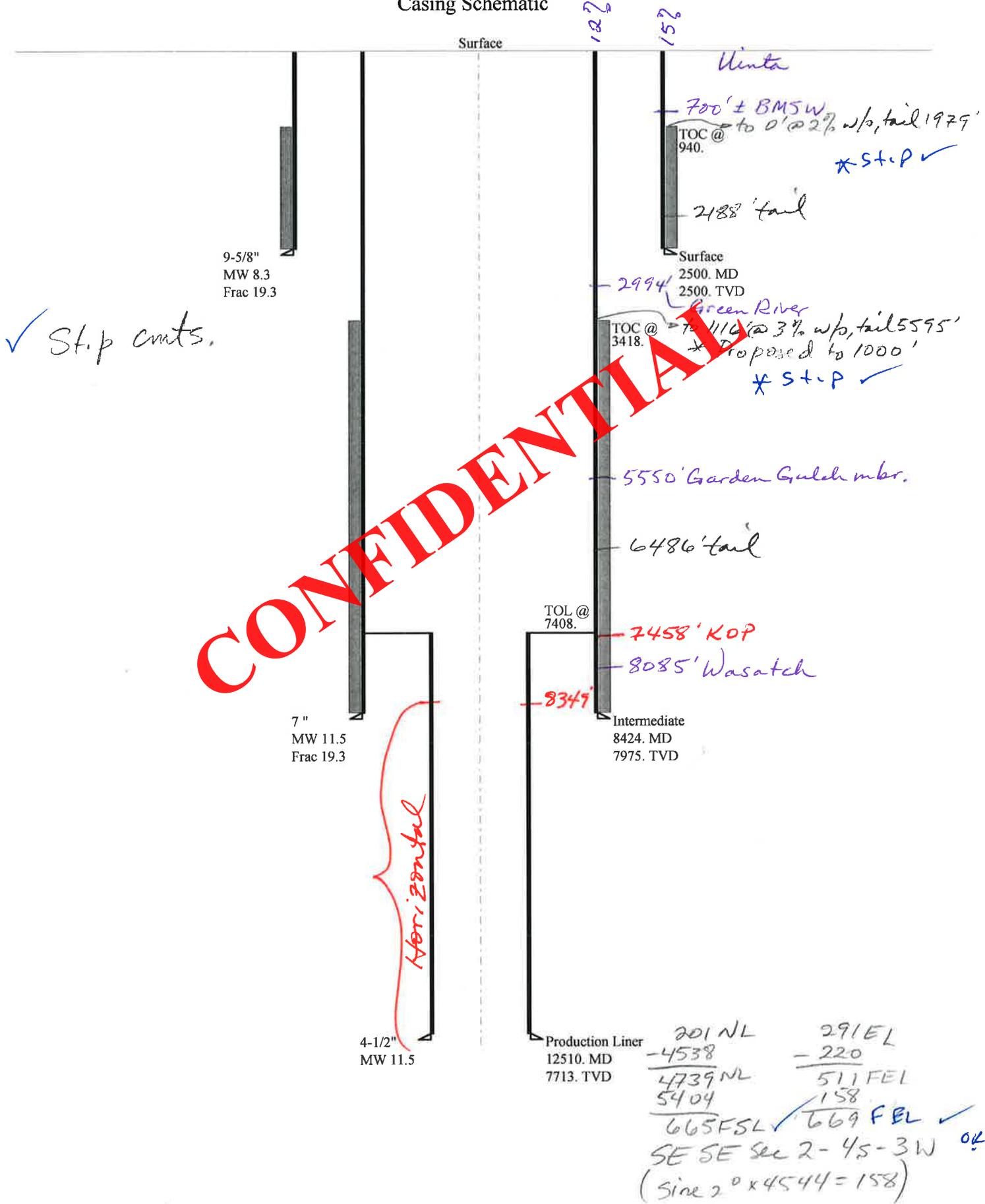
|   |  |       |   |
|---|--|-------|---|
| Calculations                                  | SURF String  | 9.625 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 109   |   |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 779   | NO diverter   |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 529   | NO Reasonable depth, no pressures                       |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 542   | NO  |
| Required Casing/BOPE Test Pressure=           |  | 2464  | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 60    | psi *Assumes 1psi/ft frac gradient                      |

|   |  |       |   |
|---|--|-------|---|
| Calculations                                  | I1 String  | 7.000 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 5038  |   |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 4027  | YES   |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 3185  | YES OK  |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 3735  | NO OK   |
| Required Casing/BOPE Test Pressure=           |  | 5000  | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 2500  | psi *Assumes 1psi/ft frac gradient                      |

|   |  |       |   |
|---|--|-------|---|
| Calculations                                  | L1 String  | 4.500 | "   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 4612  |   |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 3686  | YES   |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 2915  | YES OK  |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 4768  | YES   |
| Required Casing/BOPE Test Pressure=           |  | 5000  | psi   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 8424  | psi *Assumes 1psi/ft frac gradient                      |

# 43013513980000 Forest 1-2-4-3WH

## Casing Schematic



|              |  |                             |
|--------------|--|-----------------------------|
| Well name:   | <b>43013513980000 Forest 1-2-4-3WH</b> |                             |
| Operator:    | <b>NEWFIELD PRODUCTION COMPANY</b>     |                             |
| String type: | Surface                                | Project ID:<br>43-013-51398 |
| Location:    | DUCHESNE COUNTY                        |                             |

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 109 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 940 ft

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 2,192 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,975 ft  
Next mud weight: 11.500 ppg  
Next setting BHP: 4,764 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure: 2,500 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 2500                | 9.625                   | 36.00                   | J-55             | LT&C                 | 2500                 | 2500                | 8.796                   | 20441                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 1082                | 2020                    | 1.867                   | 2500             | 3520                 | 1.41                 | 90                  | 453                     | 5.03 J                |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: July 17, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

|              |  |             |              |
|--------------|--|-------------|--------------|
| Well name:   | <b>43013513980000 Forest 1-2-4-3WH</b> |             |              |
| Operator:    | <b>NEWFIELD PRODUCTION COMPANY</b>     |             |              |
| String type: | Intermediate                           | Project ID: | 43-013-51398 |
| Location:    | DUCHESNE COUNTY                        |             |              |

**Design parameters:**

**Collapse**

Mud weight: 11.500 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 186 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 3,418 ft

**Burst**

Max anticipated surface pressure: 3,010 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 4,764 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.80 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.80 (B)

Tension is based on air weight.  
 Neutral point: 6,592 ft

**Directional Info - Build & Hold**

Kick-off point: 7459 ft  
 Departure at shoe: 658 ft  
 Maximum dogleg: 11.58 °/100ft  
 Inclination at shoe: 93.67 °

**Re subsequent strings:**

Next setting depth: 7,713 ft  
 Next mud weight: 11.500 ppg  
 Next setting BHP: 4,608 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 7,975 ft  
 Injection pressure: 7,975 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 8424                | 7                       | 26.00                   | P-110            | Buttress             | 7975                 | 8424                | 6.151                   | 93683                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 4764                | 6131                    | 1.287                   | 4766             | 9950                 | 2.09                 | 207.4               | 830.4                   | 4.00 B                |

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: July 17, 2012  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7975 ft, a mud weight of 11.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

|              |  |                             |
|--------------|--|-----------------------------|
| Well name:   | <b>43013513980000 Forest 1-2-4-3WH</b> |                             |
| Operator:    | <b>NEWFIELD PRODUCTION COMPANY</b>     |                             |
| String type: | Production Liner                       | Project ID:<br>43-013-51398 |
| Location:    | DUCHESNE COUNTY                        |                             |

**Design parameters:**

**Collapse**

Mud weight: 11.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 182 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst**

Max anticipated surface pressure: 2,911 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,608 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.00 (J)  
Premium: 1.50 (J)  
Body yield: 1.80 (B)

Tension is based on air weight.  
Neutral point: 7,666 ft

Liner top: 7,408 ft  
**Directional Info - Build & Hold**  
Kick-off point: 7459 ft  
Departure at shoe: 4545 ft  
Maximum dogleg: 11.58 °/100ft  
Inclination at shoe: 93.65 °

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 5110                | 4.5                     | 13.50                   | P-110            | Buttress             | 7713                 | 12510               | 3.795                   | 30657                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 4608                | 10680                   | 2.318                   | 4667             | 12410                | 2.66                 | 4.2                 | 421.9                   | 99.91 B               |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: July 17, 2012  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 7713 ft, a mud weight of 11.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Forest 1-2-4-3WH  
**API Number** 43013513980000 **APD No** 5795 **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NENE **Sec 2 Tw** 4.0S **Rng** 3.0W 201 FNL 291 FEL  
**GPS Coord (UTM)** **Surface Owner** Forest Reed Clayburn

### Participants

T. Eaton, F. Bird, Z. Mc Intyre– Newfield; C. Jensen,– DOGM ; J. Simonsen -BLM; Gary and Reed Clayburn - surface owners

### Regional/Local Setting & Topography

This location is part of the Central Basin Field in the Arcadia area of Duchesne County approximately 3 miles east of the Bridgeland River bridge. This pad is proposed on a bench above the Duchesne River floodplain and is currently in production growing alfalfa. The surrounding topography is fairly flat with slopes

### Surface Use Plan

**Current Surface Use**  
Agricultural

| New Road<br>Miles | Well Pad<br>Width 300 Length 400 | Src Const Material | Surface Formation |
|-------------------|----------------------------------|--------------------|-------------------|
| 1.06              |                                  | Offsite            | UNTA              |

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Dominant vegetation;

Alfalfa for hay surround the proposed site.

Wildlife;

Disturbed soils do not support habitat for wildlife though food sources may exist for some.

#### **Soil Type and Characteristics**

disturbed soil profile. Sandy silts

#### **Erosion Issues** Y

highly erodible soils

#### **Sedimentation Issues** N

#### **Site Stability Issues** N

**Drainage Diversion Required? N****Berm Required? Y****Erosion Sedimentation Control Required? N**

topography very flat and any drainage patterns have previously been diverted and destroyed to facilitate farming

**Paleo Survey Run? Y    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N**

**Reserve Pit**

| <b>Site-Specific Factors</b>             | <b>Site Ranking</b> |                           |
|--|---------------------|---------------------------|
| <b>Distance to Groundwater (feet)</b>    | 100 to 200          | 5                         |
| <b>Distance to Surface Water (feet)</b>  |                     | 20                        |
| <b>Dist. Nearest Municipal Well (ft)</b> | 500 to 1320         | 10                        |
| <b>Distance to Other Wells (feet)</b>    | >1320               | 0                         |
| <b>Native Soil Type</b>                  | Mod permeability    | 10                        |
| <b>Fluid Type</b>                        | Fresh Water         | 5                         |
| <b>Drill Cuttings</b>                    | Normal Rock         | 0                         |
| <b>Annual Precipitation (inches)</b>     | 10 to 20            | 5                         |
| <b>Affected Populations</b>              |                     |                           |
| <b>Presence Nearby Utility Conduits</b>  | Present             | 15                        |
|  | <b>Final Score</b>  | 70    1 Sensitivity Level |

**Characteristics / Requirements**

Pit to be dug to a depth of 8'. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? N**

**Other Observations / Comments**

Chris Jensen  
Evaluator

5/30/2012  
Date / Time

**Application for Permit to Drill  
Statement of Basis  
Utah Division of Oil, Gas and Mining**

| APD No           | API WellNo   | Status | Well Type                | Surf Owner              | CBM |
|------------------|--|--------|--------------------------|-------------------------|-----|
| 5795             | 43013513980000   | LOCKED | OW                       | P                       | No  |
| <b>Operator</b>  | NEWFIELD PRODUCTION COMPANY  |        | <b>Surface Owner-APD</b> | Forest Reed<br>Clayburn |     |
| <b>Well Name</b> | Forest 1-2-4-3WH   |        | <b>Unit</b>              |                         |     |
| <b>Field</b>     | WILDCAT  |        | <b>Type of Work</b>      | DRILL                   |     |
| <b>Location</b>  | NENE 2 4S 3W U 201 FNL 291 FEL GPS Coord<br>(UTM) 569650E 4447025N |        |                          |                         |     |

**Geologic Statement of Basis**

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 700'. Air and or fresh water will be used to drill the entire surface hole. A search of Division of Water Rights records shows 16 water wells within a 10,000 foot radius of the center of Section 2. Depth is listed as ranging from 10 to 210 feet. Depths are not listed for 2 wells. Water use is listed as irrigation, stock watering and domestic use. The nearest well is approximately 1/4 mile from the proposed location. This well is listed as 100 feet in depth. The surface formation at this site is the Uinta Formation. Wells in this area likely produce water from either the Uinta Formation or from near-surface alluvium. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The surface casing cement should be brought back to ground surface.

Brad Hill  
APD Evaluator

6/20/2012  
Date / Time

**Surface Statement of Basis**

Operator has a surface agreement in place with the landowner. I was made aware that some concessions were made to the landowner in the area of the placement of the access road and removal of concrete irrigation. Location is proposed in the best possible position within the spacing window. Access road is going to be placed along the western most boundary of the parcel then continues along the southern most boundary to minimize disturbance to productive land.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Construction standards of the Operator appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was in attendance for the pre-site inspection. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Chris Jensen  
Onsite Evaluator

5/30/2012  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

| <b>Category</b> | <b>Condition</b>   |
|-----------------|--|
| Pits            | A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit. |
| Surface         | The reserve pit shall be fenced upon completion of drilling operations.  |
| Surface         | The well site shall be bermed to prevent fluids from leaving the pad.  |

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/2/2012

API NO. ASSIGNED: 43013513980000

WELL NAME: Forest 1-2-4-3WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NENE 02 040S 030W

Permit Tech Review: 

SURFACE: 0201 FNL 0291 FEL

Engineering Review: 

BOTTOM: 0660 FSL 0660 FEL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.17071

LONGITUDE: -110.18200

UTM SURF EASTINGS: 569650.00

NORTHINGS: 4447025.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Patented

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - B001834
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review: 2012-08-08 00:00:00.0
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-2.6
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed  
TEMP 640 ACRE SPACING:

Stipulations: 5 - Statement of Basis - bhill  
12 - Cement Volume (3) - hmacdonald  
21 - RDCC - dmason  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald  
26 - Temporary Spacing - bhill  
27 - Other - bhill



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Forest 1-2-4-3WH

**API Well Number:** 4301351398000

**Lease Number:** Patented

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 8/20/2012

### Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2.6. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

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

### 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.

### Conditions of Approval:

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

A temporary 640 acre spacing unit is hereby established in Section 2, Township 4S, Range 3W, USBM for the drilling of this well (R649-3-2.6). No other horizontal wells may be drilled in this section unless approved by the Board of Oil, Gas and Mining.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1000' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

**RECEIVED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

JUN 11 2012

**APPLICATION FOR PERMIT TO DRILL OR REENTER**



|   |  |   |  |   |
|---|--|---|--|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER  |  | <b>CONFIDENTIAL</b>   |  | 5. Lease Serial No.<br>1420H626222  |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone      |  |   |  | 6. If Indian, Allottee or Tribe Name                                      |
| 2. Name of Operator<br>NEWFIELD PRODUCTION COMPANY  |  | Contact: DON S HAMILTON<br>Email: starpoint@etv.net                       |  | 7. If Unit or CA Agreement, Name and No.                                  |
| 3a. Address<br>ROUTE 3 BOX 3630<br>MYTON, UT 84052  |  | 3b. Phone No. (include area code)<br>Ph: 435-719-2018<br>Fx: 435-719-2019 |  | 8. Lease Name and Well No.<br>FOREST 1-2-4-3WH                            |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NENE Lot 1 201FNL 291FEL 40.170722 N Lat, 110.181939 W Lon<br>At proposed prod. zone SESE Lot 16 660FSL 660FEL |  |   |  | 9. API Well No.<br>43-013-51398   |
| 14. Distance in miles and direction from nearest town or post office*<br>13.27 MILES WEST OF MYTON, UTAH  |  |   |  | 10. Field and Pool, or Exploratory<br>N/A                                 |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)<br>201   |  | 16. No. of Acres in Lease<br>80.00  |  | 11. Sec., T., R., M., or Blk. and Survey or Area<br>Sec 2 T4S R3W Mer UBM |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.<br>0  |  | 19. Proposed Depth<br>12510 MD<br>7727 TVD                                |  | 12. County or Parish<br>DUCHESNE  |
| 21. Elevations (Show whether DF, KB, RT, GL, etc.)<br>5361 GL   |  | 22. Approximate date work will start<br>08/15/2012                        |  | 13. State<br>UT   |
|   |  |   |  | 17. Spacing Unit dedicated to this well<br>40.00                          |
|   |  |   |  | 20. BLM/BIA Bond No. on file<br>RLB00100473                               |
|   |  |   |  | 23. Estimated duration<br>60 DAYS   |

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<br>(Electronic Submission)                      | Name (Printed/Typed)<br>DON S HAMILTON Ph: 435-719-2018 | Date<br>06/08/2012  |
| Title<br>PERMITTING AGENT                                     |   |                     |
| Approved by (Signature)                                       | Name (Printed/Typed)<br>Jerry Kenczka                   | Date<br>OCT 01 2012 |
| Title<br>Assistant Field Manager<br>Lands & Mineral Resources |   |                     |
| Office<br>VERNAL FIELD OFFICE                                 |   |                     |

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

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

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

Additional Operator Remarks (see next page)

Electronic Submission #140059 verified by the BLM Well Information System  
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal  
Committed to AFMSS for processing by LESLIE on 06/12/2012

NOTICE OF APPROVAL

**RECEIVED**  
OCT 09 2012

**UDOGM**

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

12UBR0419AE NO NOS-



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

Company: Newfield Production Company  
Well No: Forest 1-2-4-3WH  
API No: 43-013-51398

Location: Lot 1, Sec. 2, T4S, R3W  
Lease No: 14-20-H62-6222  
Agreement:

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (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<br>(Notify Environmental Scientist)       | - Forty-Eight (48) hours prior to construction of location and access roads.  |
| Location Completion<br>(Notify Environmental Scientist)         | - Prior to moving on the drilling rig.  |
| Spud Notice<br>(Notify Petroleum Engineer)                      | - Twenty-Four (24) hours prior to spudding the well.  |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings to:<br><a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> . |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to initiating pressure tests.  |
| First Production Notice<br>(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)**

- **The ditch at location Ute Tribal 4-24-3-2WH will be diverted.**
- **Location Ute Tribal 7-19-3-3W will need a diversion on the west side to reroute water to the south.**
- **A drainage diversion will be constructed on the western side by corner 2 of proposed location Ute Tribal 6-29-3-3W.**

**Wildlife**

- **Burrowing owls must be fledged at location 1-2-4-3WH before construction or drilling.**

**Standard Operating Procedures:**

- After cessation of drilling and completion operations, any visible or measurable layer of oil must be removed from the surface of the reserve pit and the pit kept free of oil.
- Pits must be free of oil and other liquid and solid wastes prior to filling. Pit liners must not be breached (cut) or filled (squeezed) while still containing fluids. The pit liner must be removed to the solids level or treated to prevent its reemergence to the surface or its interference with long-term successful revegetation.
- Reclamation will be completed in accordance with the recontouring and reseeding procedures outlined in the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM, unless otherwise specified by the private surface owner.
- The surface conditions as set forth by the owners and/or agencies.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Gamma Ray Log shall be run from Total Depth to Surface.
- Surface casing cement will be circulated to surface.

Variations Granted

Air Drilling

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors.
- Straight run blooie line. Variance granted for targeted "T's" bends.
- Automatic igniter. Variance granted for igniter due to water mist.

**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 BLM\_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.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

|  |   |
|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b>                                       |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>Patented |
|  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:               |
|  | 7. UNIT or CA AGREEMENT NAME:                       |
| 1. TYPE OF WELL<br>Oil Well  | 8. WELL NAME and NUMBER:<br>FOREST 1-2-4-3WH        |
| 2. NAME OF OPERATOR:<br>NEWFIELD PRODUCTION COMPANY  | 9. API NUMBER:<br>43013513980000                    |
| 3. ADDRESS OF OPERATOR:<br>Rt 3 Box 3630 , Myton, UT, 84052  | PHONE NUMBER:<br>435 646-4825 Ext                   |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>0201 FNL 0291 FEL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: NENE Section: 02 Township: 04.0S Range: 03.0W Meridian: U   | 9. FIELD and POOL or WILDCAT:<br>WILDCAT            |
|  | COUNTY:<br>DUCHESNE                                 |
|  | STATE:<br>UTAH                                      |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>8/20/2013</b> | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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

Newfield proposes to extend the Application for Permit to Drill.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: August 15, 2013

By:

|                                       |                              |                          |
|---------------------------------------|------------------------------|--------------------------|
| NAME (PLEASE PRINT)<br>Mandie Crozier | PHONE NUMBER<br>435 646-4825 | TITLE<br>Regulatory Tech |
| SIGNATURE<br>N/A                      | DATE<br>8/13/2013            |                          |



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013513980000**

API: 43013513980000

Well Name: FOREST 1-2-4-3WH

Location: 0201 FNL 0291 FEL QTR NENE SEC 02 TWP 040S RNG 030W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 8/20/2012

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Mandie Crozier

Date: 8/13/2013

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | FORM 9<br><br><b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>Patented                 |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7. UNIT or CA AGREEMENT NAME:</b> |
| <b>1. TYPE OF WELL</b><br>Oil Well   | <b>8. WELL NAME and NUMBER:</b><br>FOREST 1-2-4-3WH |  |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   | <b>9. API NUMBER:</b><br>43013513980000             |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>1001 17th Street, Suite 2000 , Denver, CO, 80202   | <b>PHONE NUMBER:</b><br>303 382-4443 Ext            | <b>9. FIELD and POOL or WILDCAT:</b><br>WILDCAT  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0201 FNL 0291 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 02 Township: 04.0S Range: 03.0W Meridian: U  |   | <b>COUNTY:</b><br>DUCHESNE<br><br><b>STATE:</b><br>UTAH                                  |

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

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br>8/29/2014 | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:                                 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:  | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:   | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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

This sundry is being submitted to request an extension to this APD that expires 08/20/2014

**Approved by the**  
**July 07, 2014**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** 

|  |                                     |                                       |
|--|-------------------------------------|---------------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Melissa Luke | <b>PHONE NUMBER</b><br>303 323-9769 | <b>TITLE</b><br>Regulatory Technician |
| <b>SIGNATURE</b><br>N/A                    | <b>DATE</b><br>7/14/2014            |                                       |



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013513980000**

API: 43013513980000

Well Name: FOREST 1-2-4-3WH

Location: 0201 FNL 0291 FEL QTR NENE SEC 02 TWP 040S RNG 030W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 8/20/2012

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Melissa Luke

Date: 7/14/2014

Title: Regulatory Technician Representing: NEWFIELD PRODUCTION COMPANY



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>

JUN 03 2015

IN REPLY REFER TO:  
3160 (UTG011)

Mandie Crozier  
Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052

RECEIVED

JUN 05 2015

DIV. OF OIL, GAS & MINING

Dear Mandie:

The referenced Applications for Permit to Drill (APD) have expired. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced applications has expired. If you intend to drill at these locations in the future, a new Application for Permit to Drill must be submitted.

43-

|     | Lease          | Well                        | Aliquot | Sec., T., R.     | Date Rec'd | Date Exp'd |
|-----|----------------|-----------------------------|---------|------------------|------------|------------|
| 013 | UTU-096550     | GMBU 8A-14-9-16 50879       | NESE    | Sec. 14-T9S-R16E | 7/12/2011  | 12/14/2013 |
| 013 | UTU-15855      | GMBU D-25-9-16 52510        | SESW    | Sec. 24-T9S-R16E | 10/25/2013 | 3/25/2015  |
| 013 | 14-20-H62-6068 | Daisy 13-23-14-3-3WH 51502  | NWNW    | Sec. 26-T3S-R3W  | 6/5/2012   | 1/6/2015   |
| 013 | 14-20-H62-6154 | Ute Tribal 3-22-4-3W 50453  | NENW    | Sec. 22-T4S-R3W  | 11/1/2010  | 3/21/2015  |
| 013 | 14-20-H62-6154 | Ute Tribal 5-22-4-3W 50454  | SWNW    | Sec. 22-T4S-R3W  | 11/1/2010  | 3/21/2015  |
| 013 | 14-20-H62-6222 | Forest 1-2-4-3WH 51398      | Lot 1   | Sec. 2-T4S-R3W   | 6/11/2012  | 10/1/2014  |
| 047 | 14-20-H62-6277 | Ute Tribal 4-11-4-1E 51292  | NWNW    | Sec. 11-T4S-R1E  | 10/1/2010  | 2/3/2015   |
| 047 | 14-20-H62-6277 | Ute Tribal 6-11-4-1E 51293  | NWNW    | Sec. 11-T4S-R1E  | 10/2/2010  | 2/3/2015   |
| 047 | 14-20-H62-6277 | Ute Tribal 12-11-4-1E 51312 | NWSW    | Sec. 11-T4S-R1E  | 10/14/2010 | 2/3/2015   |
| 047 | 14-20-H62-6387 | Ute Tribal 8-10-4-1E 51314  | SENE    | Sec. 10-T4S-R1E  | 10/14/2010 | 2/3/2015   |
| 047 | 14-20-H62-6404 | Ute Tribal 12-7-4-2W 50413  | Lot 3   | Sec. 7-T4S-R2W   | 8/2/2010   | 1/27/2015  |
| 013 | 14-20-H62-6424 | Ute Tribal 13-7-4-1W 50434  | SESW    | Sec. 7-T4S-R1W   | 10/6/2010  | 2/22/2015  |
| 013 | 14-20-H62-6424 | Ute Tribal 14-7-4-1W 50410  | SESW    | Sec. 7-T4S-R1W   | 8/2/2010   | 1/27/2015  |

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved location of these wells is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Mineral Resources

cc: UDOGM

bcc: Well File  
I&E Asst.



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

August 27, 2015

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Re: APD Rescinded – Forest 1-2-4-3WH, Sec. 2, T. 4S, R. 3W  
Duchesne County, Utah API No. 43-013-51398

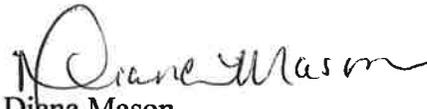
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on August 20, 2012. On August 15, 2013 and July 17, 2014 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective August 27, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Brad Hill, Technical Service Manager

