

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

FORM 3

AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL**

<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>1. WELL NAME and NUMBER</b> Hawkeye Federal 11-23-8-16	
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO		<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE	
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> HAWKEYE (GRRV)	
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>7. OPERATOR PHONE</b> 435 646-4825	
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-73088		<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com	
<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>	
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>	
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	
<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>			
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>
<b>LOCATION AT SURFACE</b>	2101 FSL 1955 FWL	NESW	23
<b>Top of Uppermost Producing Zone</b>	2101 FSL 1955 FWL	NESW	23
<b>At Total Depth</b>	2101 FSL 1955 FWL	NESW	23
<b>21. COUNTY</b> DUCHESNE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 539	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40	
	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1355	<b>26. PROPOSED DEPTH</b> MD: 6635 TVD: 6635	
<b>27. ELEVATION - GROUND LEVEL</b> 5385	<b>28. BOND NUMBER</b> WYB000493	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-7478	

**ATTACHMENTS**

**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 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 type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Mandie Crozier	<b>TITLE</b> Regulatory Tech	<b>PHONE</b> 435 646-4825
<b>SIGNATURE</b>	<b>DATE</b> 09/04/2009	<b>EMAIL</b> mcrozier@newfield.com
<b>API NUMBER ASSIGNED</b> 43013501310000	<b>APPROVAL</b>  Permit Manager	

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	5.5	0	6635		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 LT&C	6635	15.5			

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	8.625	0	300		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	300	24.0			



NEWFIELD PRODUCTION COMPANY  
HAWKEYE FEDERAL 11-23-8-16  
NE/SW SECTION 23, T8S, R16E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1,825'
Green River	1,825'
Wasatch	6,635'

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

Green River Formation (Oil) 1,825' – 6,635'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: Hawkeye Federal 11-23-8-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950	1,370	244,000
						17.53	14.35	33.89
Prod casing 5-1/2"	0'	6,635'	15.5	J-55	LTC	4,810	4,040	217,000
						2.28	1.91	2.11

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

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

b. **Cementing Design: Hawkeye Federal 11-23-8-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,635'	Prem Lite II w/ 10% gel + 3% KCl	320 1044	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

- \*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2010, and take approximately seven (7) days from spud to rig release.

# 2-M SYSTEM

Blowout Prevention Equipment Systems

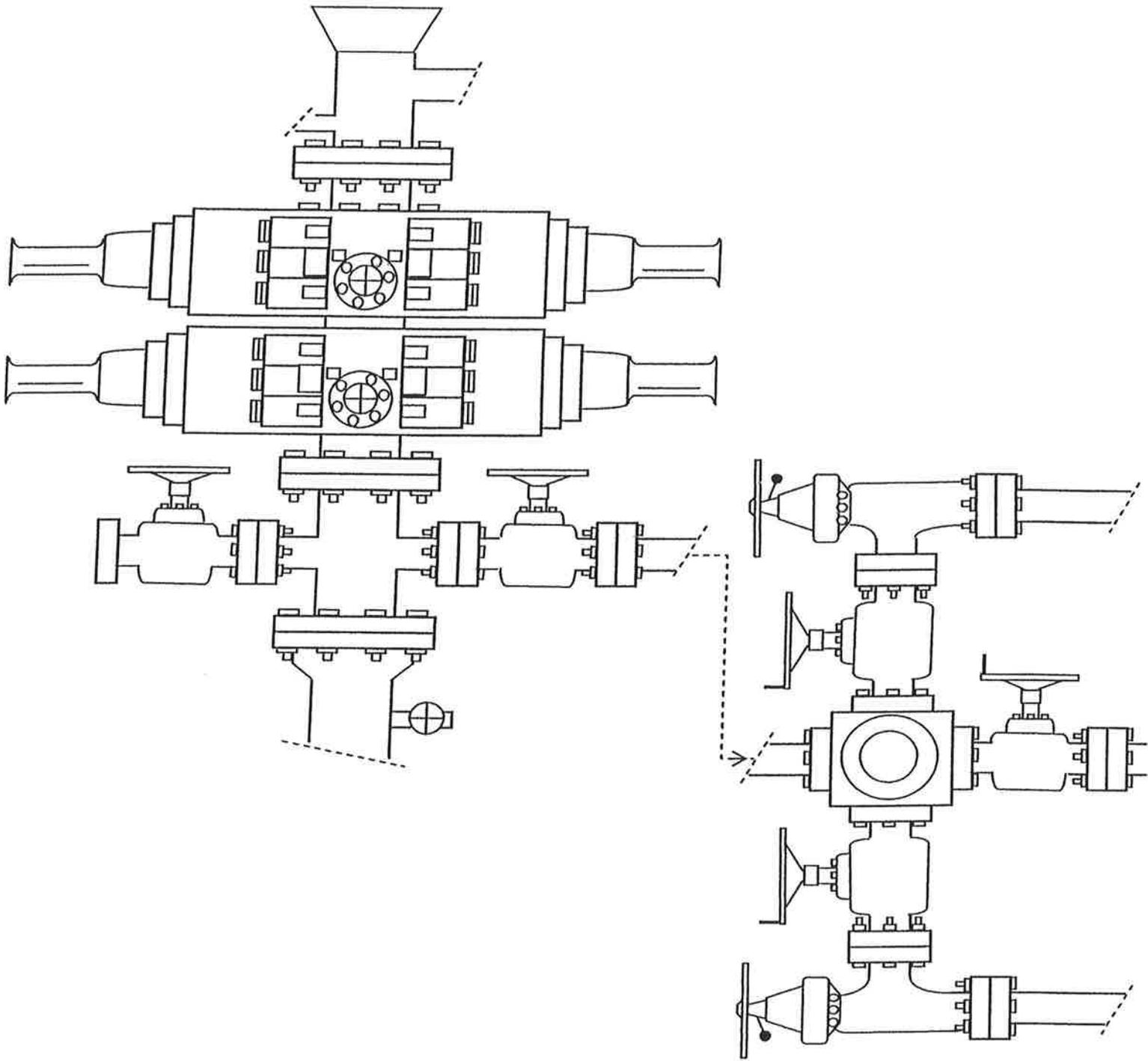
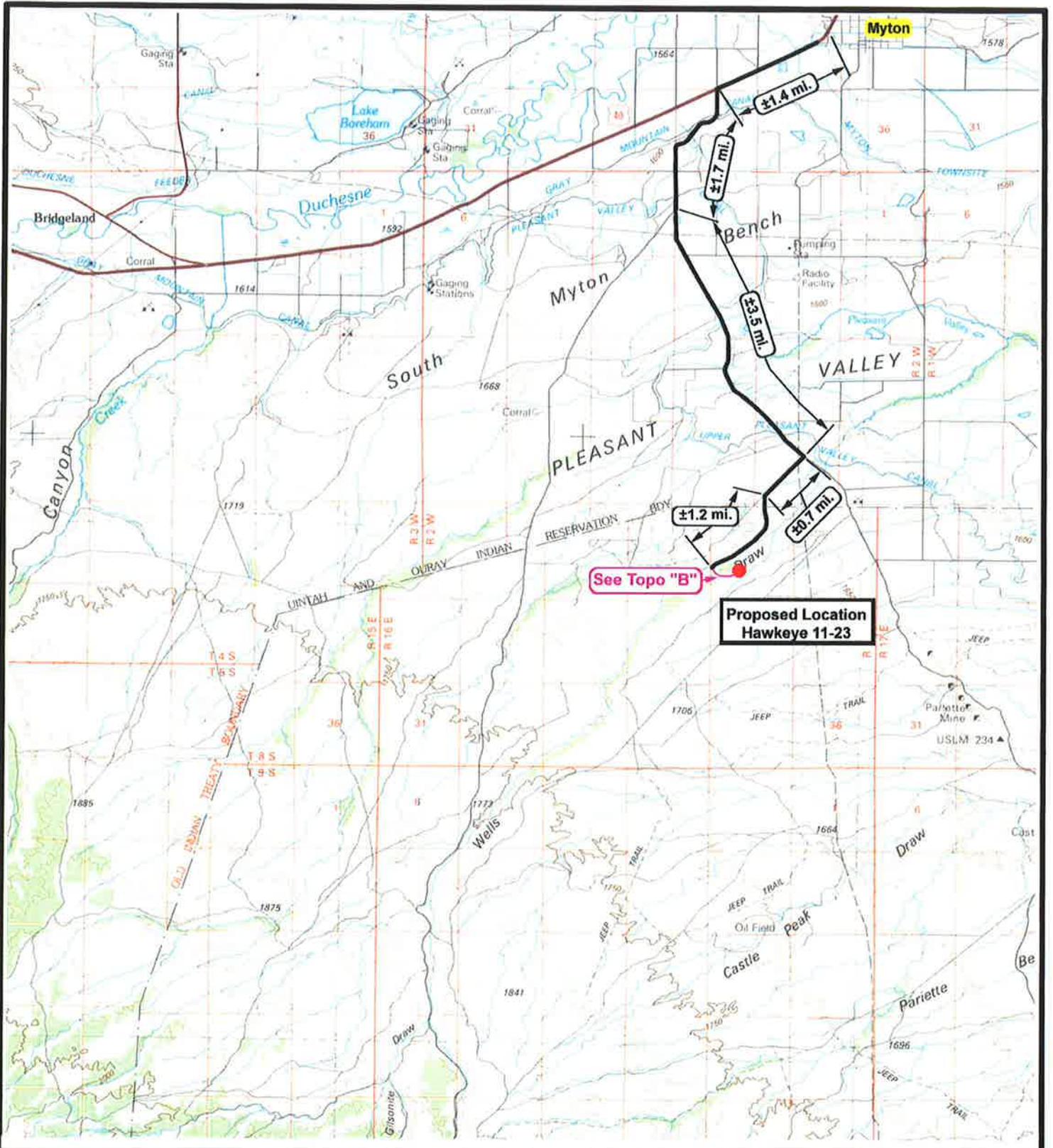


EXHIBIT C



**NEWFIELD**  
Exploration Company

**Hawkeye 11-23-8-16**  
**SEC. 23, T8S, R16E, S.L.B.&M.**



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

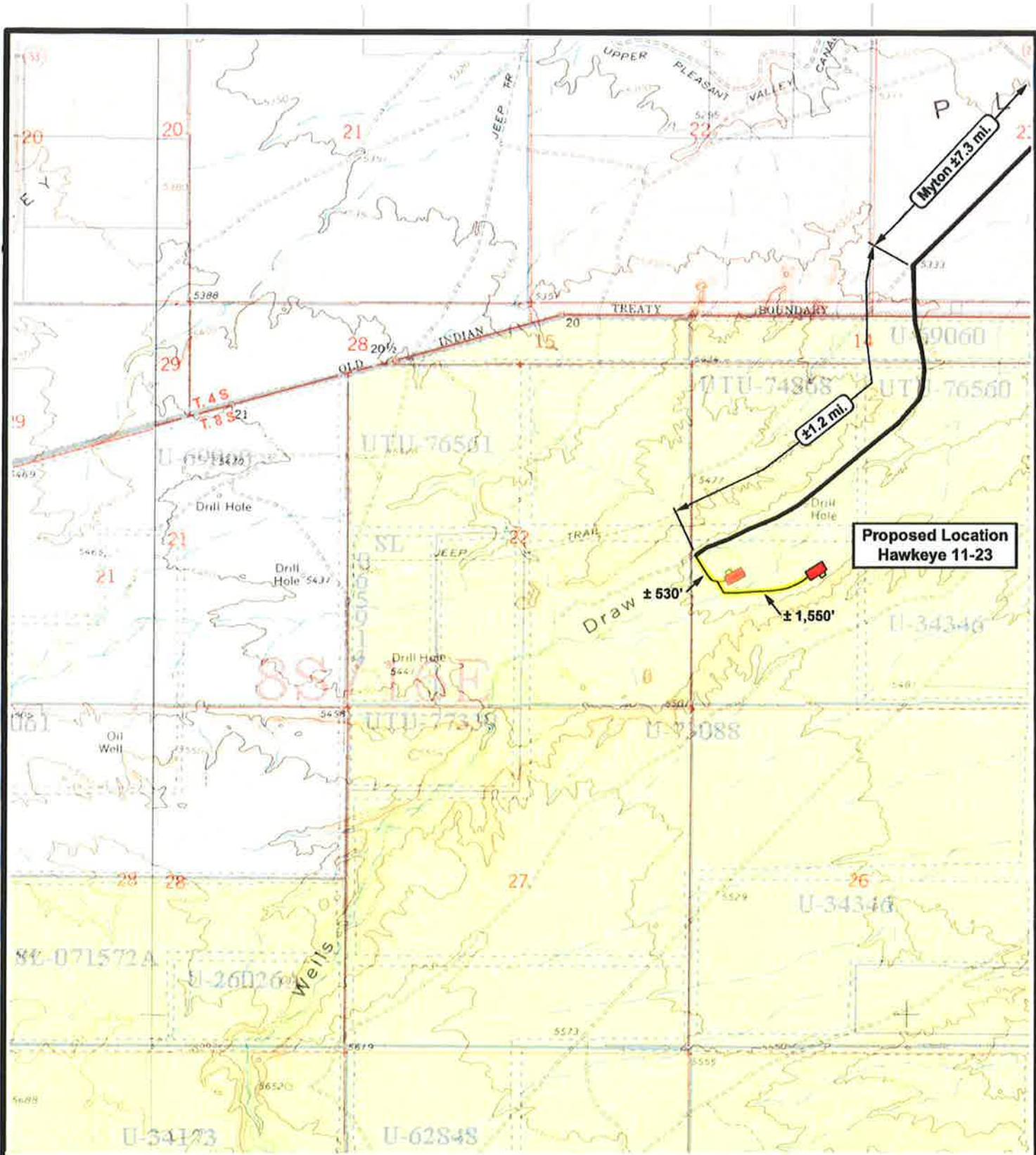
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DRAWN BY: mw  
DATE: 03-03-2009

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**



**NEWFIELD**  
Exploration Company

**Hawkeye 11-23-8-16**  
**SEC. 23, T8S, R16E, S.L.B.&M.**

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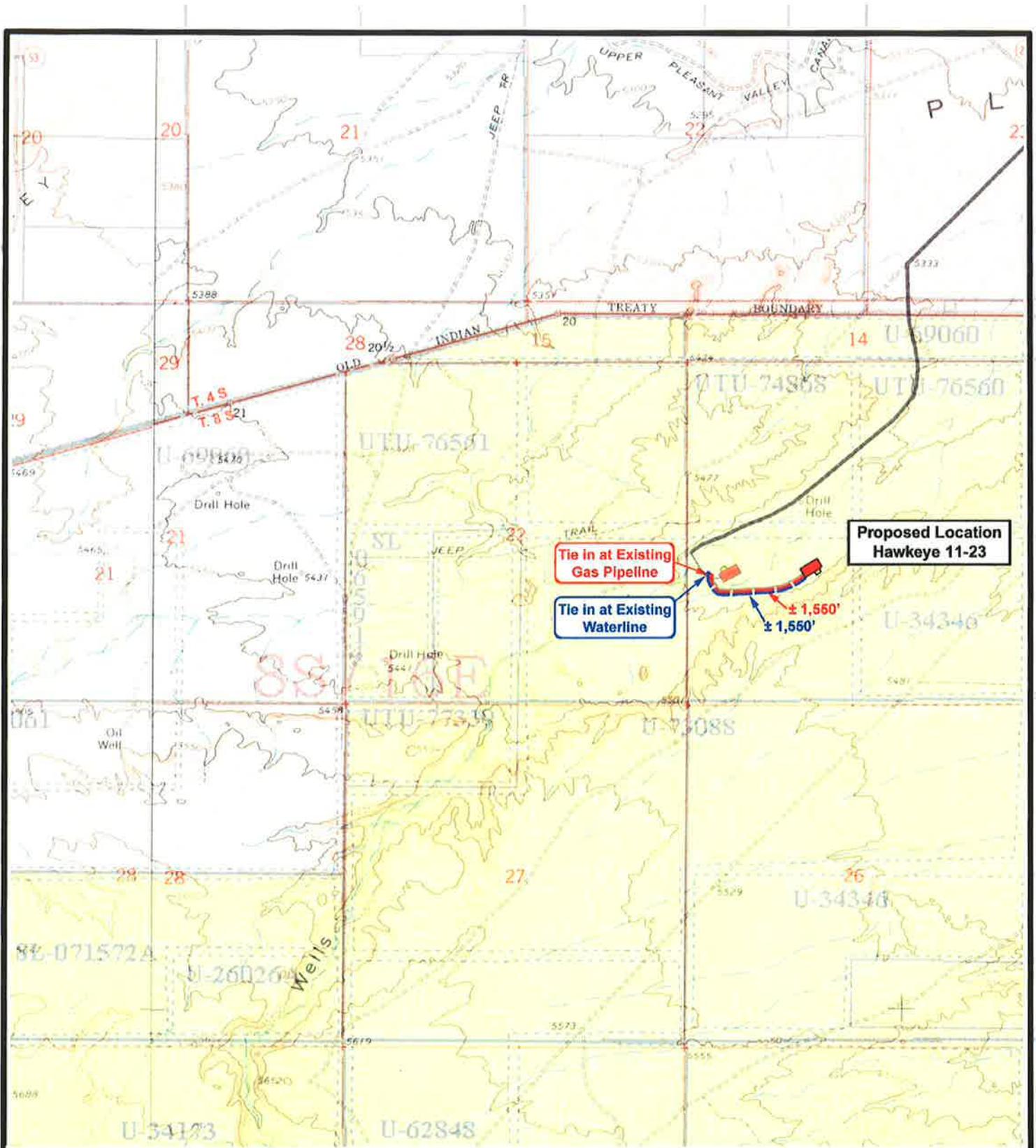
SCALE: 1" = 2,000'  
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DATE: 03-03-2009

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

**Hawkeye 11-23-8-16**  
**SEC. 23, T8S, R16E, S.L.B.&M.**

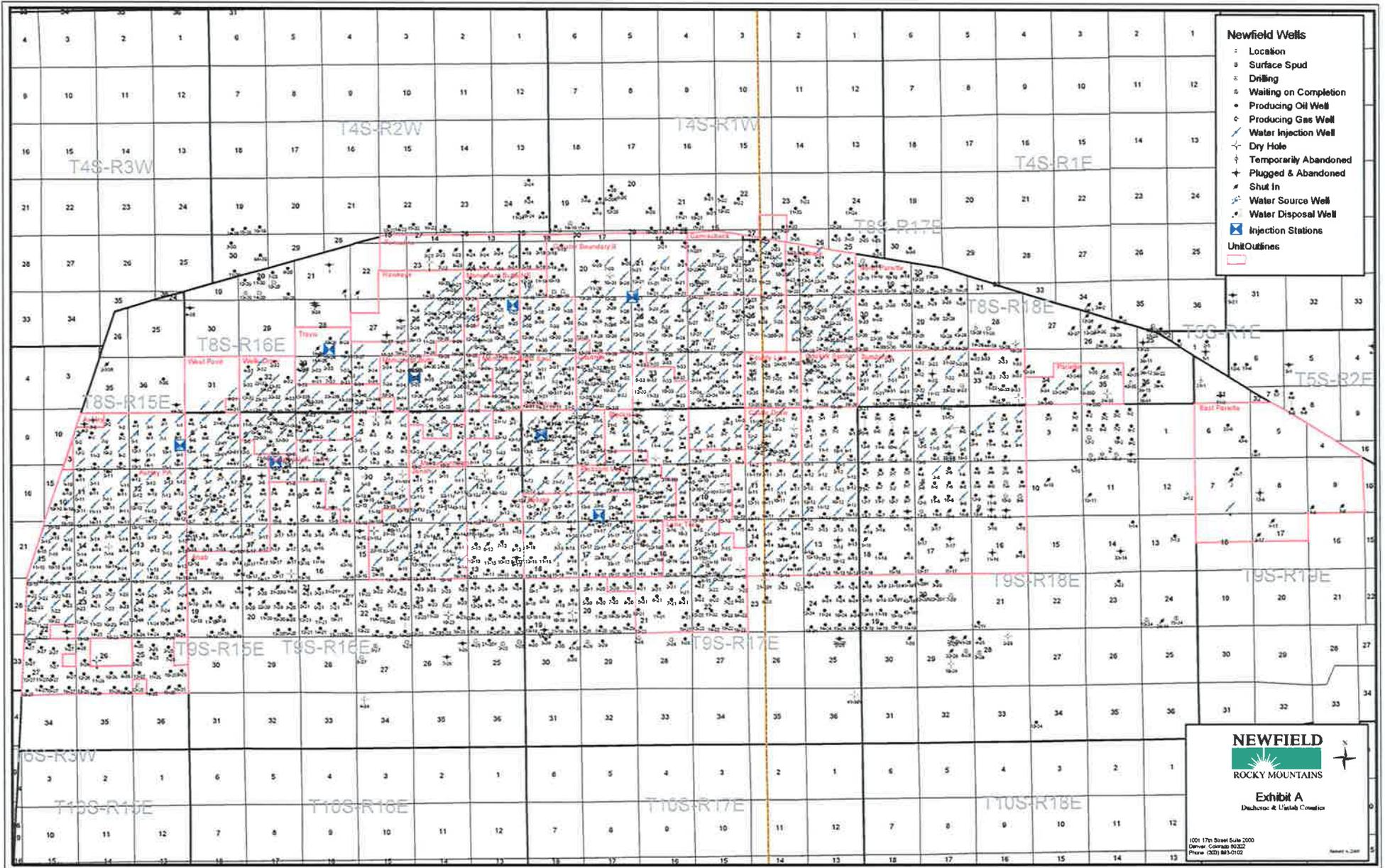
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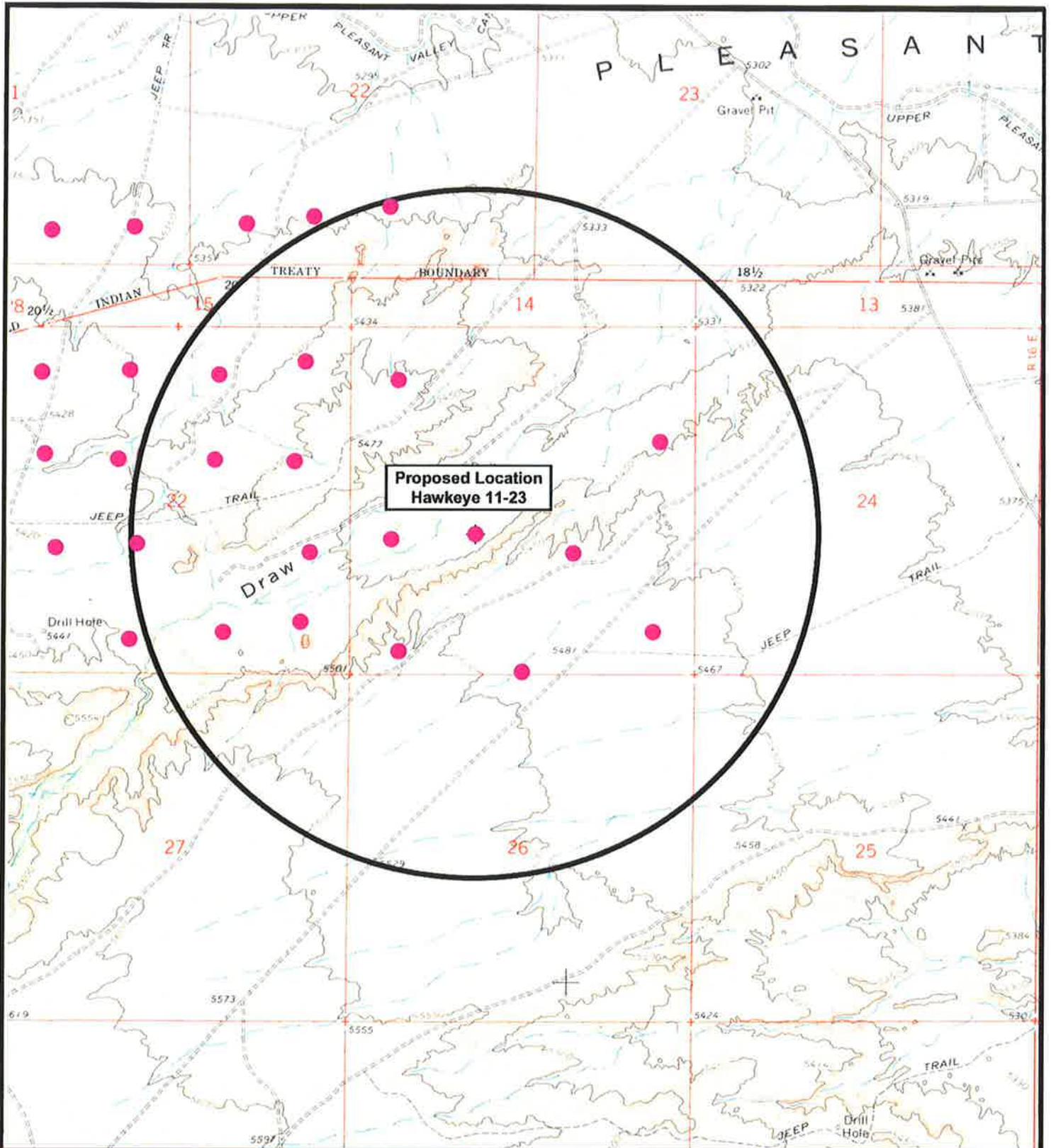
**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 03-03-2009**

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**





 **NEWFIELD**  
Exploration Company

**Hawkeye 11-23-8-16**  
**SEC. 23, T8S, R16E, S.L.B.&M.**



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

**SCALE: 1" = 2,000'**  
**DRAWN BY: mW**  
**DATE: 03-03-2009**

**Legend**

-  Location
-  One-Mile Radius

**Exhibit "B"**

NEWFIELD PRODUCTION COMPANY  
HAWKEYE FEDERAL 11-23-8-16  
NE/SW SECTION 23, T8S, R16E  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Hawkeye Federal 11-23-8-16 located in the NE¼ SW¼ Section 23, T8S, R16W, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly - 5.2 miles ± to it's junction with an existing road to the southwest; proceed southwesterly - 0.7 miles ± to it's junction with an existing road to the south; proceed southwesterly - 1.2 miles ± to it's junction with the beginning of the proposed access road to the southeast; proceed southeasterly along the proposed access road - 2080' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 2080' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

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

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

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

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

Johnson Water District  
Water Right: 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous

will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

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

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

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

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

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

**Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Hawkeye Federal 11-23-8-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Hawkeye Federal 11-23-8-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

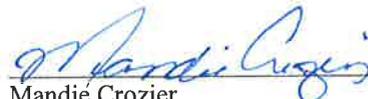
Name: Tim Eaton  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #11-23-8-16, NE/SW Section 23, T8S, R16E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #WYB000493.

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

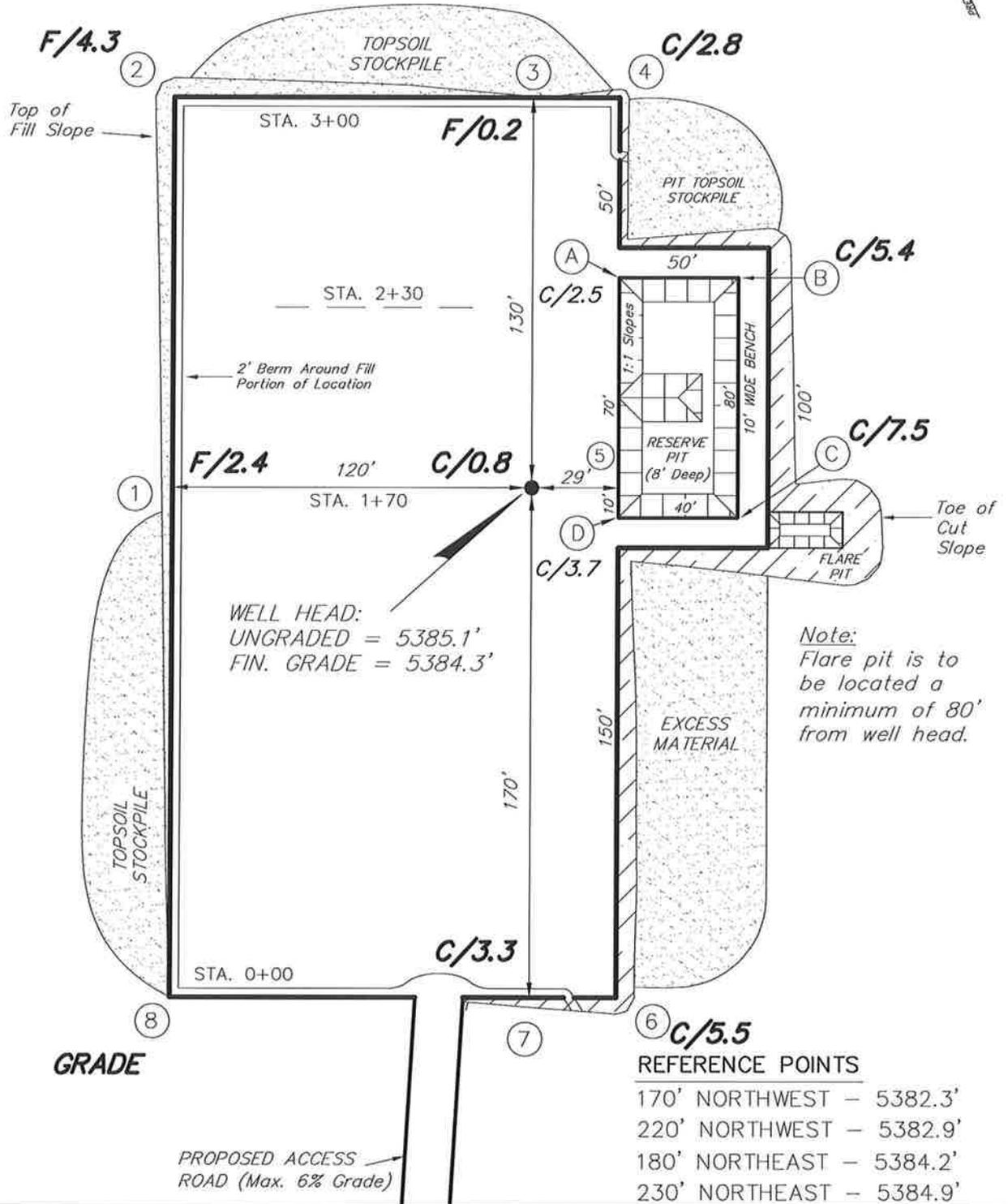
9/4/09  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

HAWKEYE 11-23-8-16

Section 23, T8S, R16E, S.L.B.&M.



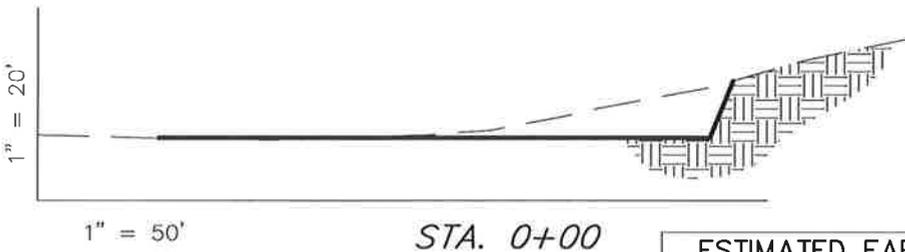
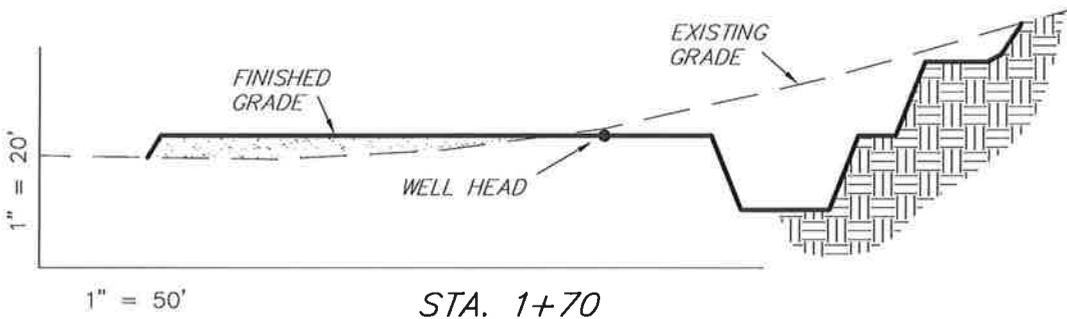
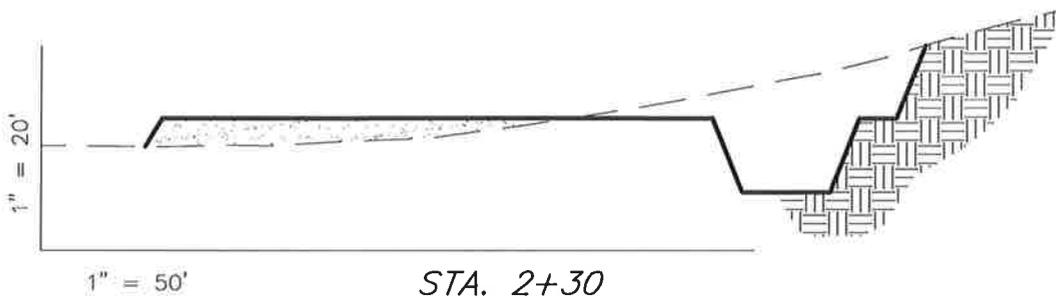
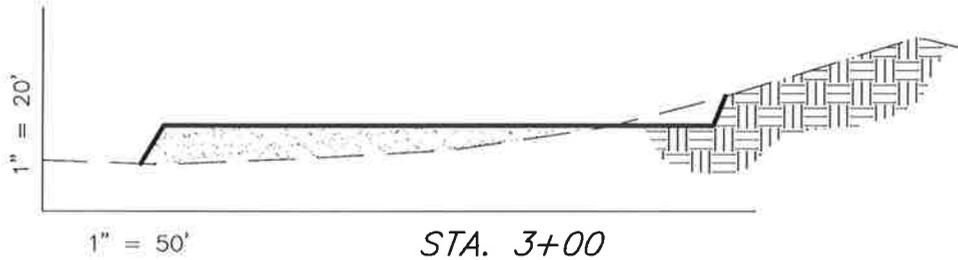
**REFERENCE POINTS**

- 170' NORTHWEST - 5382.3'
- 220' NORTHWEST - 5382.9'
- 180' NORTHEAST - 5384.2'
- 230' NORTHEAST - 5384.9'

SURVEYED BY: C.M.	DATE SURVEYED: 02-12-09
DRAWN BY: M.W.	DATE DRAWN: 02-23-09
SCALE: 1" = 50'	REVISED:

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

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**HAWKEYE 11-23-8-16**



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,410	2,410	Topsoil is not included in Pad Cut	0
PIT	640	0		640
<b>TOTALS</b>	<b>3,050</b>	<b>2,410</b>	<b>1,020</b>	<b>640</b>

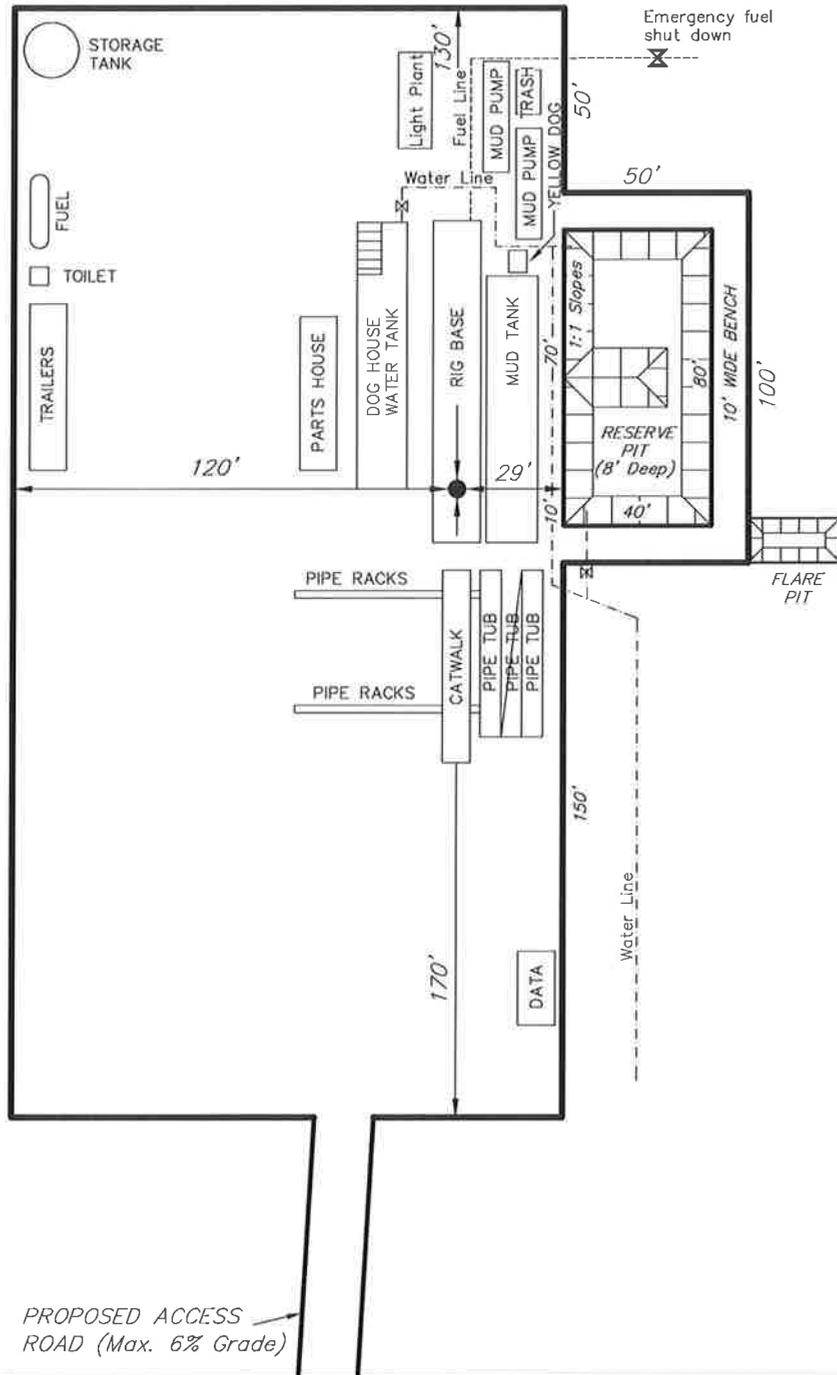
SURVEYED BY: C.M.	DATE SURVEYED: 02-12-09
DRAWN BY: M.W.	DATE DRAWN: 02-23-09
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### HAWKEYE 11-23-8-16



SURVEYED BY: C.M.	DATE SURVEYED: 02-12-09
DRAWN BY: M.W.	DATE DRAWN: 02-23-09
SCALE: 1" = 50'	REVISED:

(435) 781-2501

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

Hawkeye Federal 11-23-8-16

NE/SW Sec. 23, T8S, R16E

Duchesne County, Utah

UTU-73088

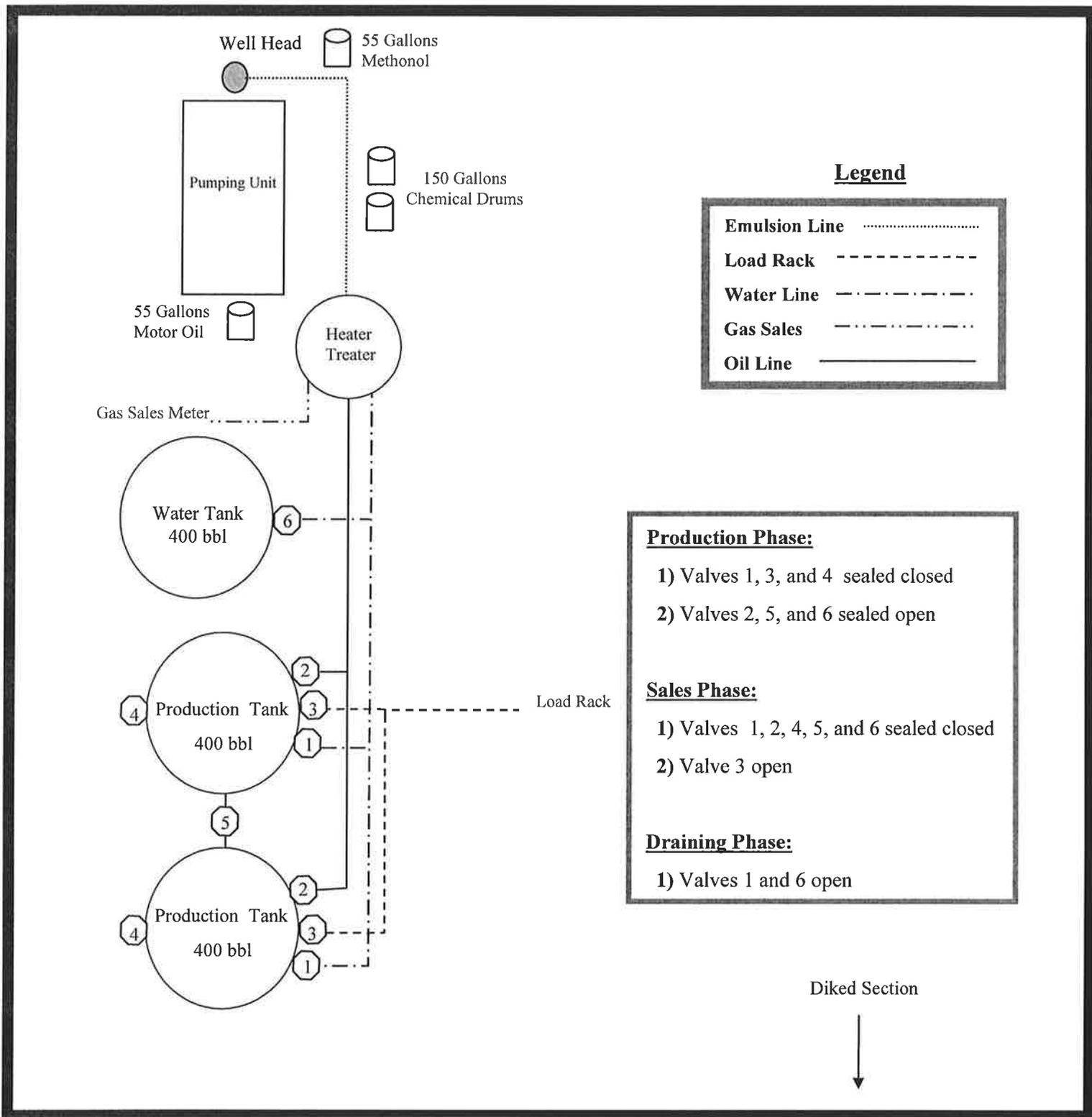


Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S THREE BLOCK PARCELS  
(T8S, R16E, SECTIONS 21, 22 AND 23)  
DUCHESNE COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 08-295

February 5, 2009

United States Department of Interior (FLPMA)  
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-08-MQ-1191b

**NEWFIELD EXPLORATION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

SE1/4, SW1/4 & SW1/4 & SE1/4, SE1/4, Sec. 2, T 9 S, R 16 E [14, 15 & 16-2-9-16];  
SW1/4 & SE1/4, SW1/4 & SW1/4 & SE1/4, SE1/4; Sec.19, T 8 S, R 16 E [13,14,15 &16-19-8-  
16]; Section 22, T 8 S, R 16 E (excluding SW1/4, SW1/4 [13-22-8-16]); NW1/4 & SW1/4,NW  
1/4 & NE1/4, NW1/4 & SW1/4, SW1/4; Section 23, T 8 S, R 16 E 4,5,11,12 & 13-23-8-16];  
NE1/4 & NW1/4, NE1/4, All of the NW1/4; SW1/4, NE1/4; NE1/4, NW1/4 & SE1/4, SW1/4;  
Sec. 27, T 8 S, R 16 E [1,2,3,4,5,6,7,11,12 & 14-27-8-16]; All of the NE1/4; NW1/4, SW1/4 &  
SE1/4, NE1/4; NW1/4 & SW1/4, SW1/4; Sec. 28, T 8 S, R 16 E [1,2,4,5,6,7,11,12 &14-28-8-  
16]; All of Section 29, T 8 S, R 16 E (excluding SW1/4 & SE1/4, SW1/4 [13 & 14-29-8-16])

**REPORT OF SURVEY**

Prepared for:

**Newfield Exploration Company**

Prepared be:

Wade E. Miller  
Consulting Paleontologist  
November 11, 2008

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 11, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2009 Plan of Development Hawkeye Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2009 within the Hawkeye Unit, Duchesne County, Utah.

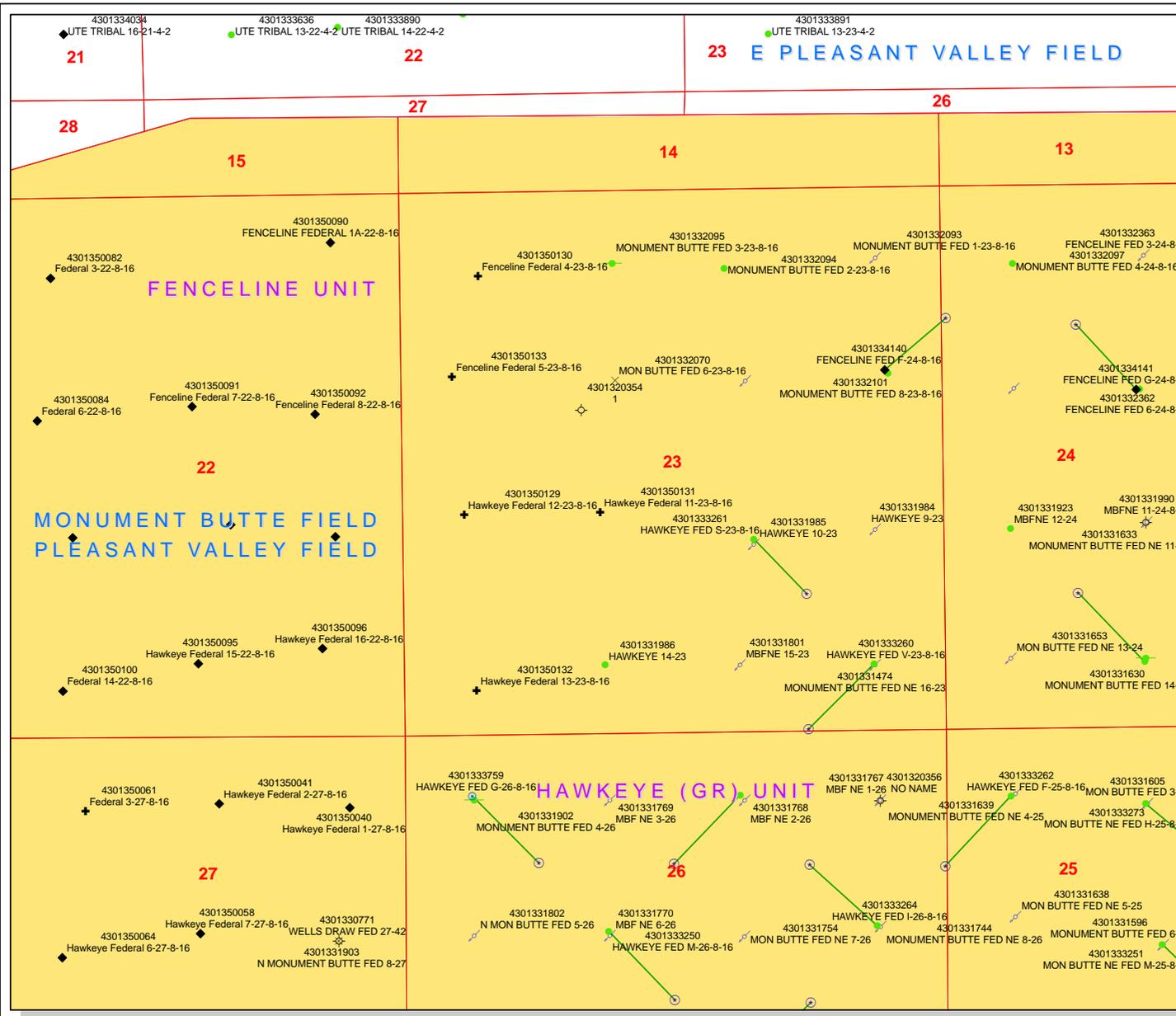
API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50131	Hawkeye Federal	11-23-8-16 Sec 23 T08S R16E 2101 FSL 1955 FWL
43-013-50132	Hawkeye Federal	13-23-8-16 Sec 23 T08S R16E 0359 FSL 0730 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

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

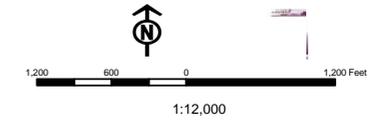
MCoulthard:mc:9-11-09



**API Number: 4301350131**  
**Well Name: Hawkeye Federal 11-23-8-16**  
**Township 08.0 S Range 16.0 E Section 23**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

<b>Units</b>	<b>Wells Query Events</b>
<b>STATUS</b>	<b>GIS_STAT_TYPE</b>
ACTIVE	<Null>
EXPLORATORY	APD
GAS STORAGE	DRL
NF PP OIL	GI
NF SECONDARY	GS
PI OIL	LA
PP GAS	NEW
PP GEOTHERMIL	OPS
PP OIL	PA
SECONDARY	PGW
TERMINATED	RET
<b>Fields</b>	<b>STATUS</b>
ACTIVE	POW
COMBINED	SOW
Sections	TA
	TW
	WD
	WI
	WS



# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 9/4/2009

**API NO. ASSIGNED:** 43013501310000

**WELL NAME:** Hawkeye Federal 11-23-8-16

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NESW 23 080S 160E

**Permit Tech Review:**

**SURFACE:** 2101 FSL 1955 FWL

**Engineering Review:**

**BOTTOM:** 2101 FSL 1955 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.10204

**LONGITUDE:** -110.08833

**UTM SURF EASTINGS:** 577707.00

**NORTHINGS:** 4439271.00

**FIELD NAME:** MONUMENT BUTTE

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU-73088

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000493
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-7478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

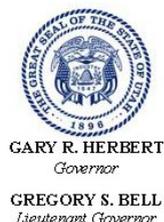
Commingle Approved

## LOCATION AND SITING:

- R649-2-3.  
Unit: HAWKEYE (GRRV)
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: Cause 213-05(A)  
Effective Date: 10/25/2006  
Siting: Suspends General Siting
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:** 4 - Federal Approval - dmason



# 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:** Hawkeye Federal 11-23-8-16  
**API Well Number:** 43013501310000  
**Lease Number:** UTU-73088  
**Surface Owner:** FEDERAL  
**Approval Date:** 9/21/2009

**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 Cause 213-05(A). 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:**

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

**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 at 801-538-5284 (please leave a voicemail message if not available)
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

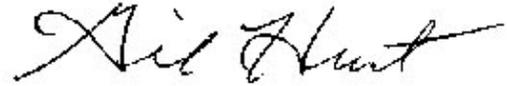
**Reporting Requirements:**

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 "Gil Hunt". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gil Hunt  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. UTU-73088	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Hawkeye GMB	
8. Lease Name and Well No. Hawkeye Federal 11-23-8-16	
9. API Well No. 43 013 50131	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 23, T8S R16E	
12. County or Parish Duchesne	
13. State UT	
14. Distance in miles and direction from nearest town or post office* Approximately 8.9 miles southwest of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 539' f/lse, 539' f/unit (Also to nearest drig. unit line, if any)	
16. No. of acres in lease 1040.00	
17. Spacing Unit dedicated to this well 40 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1355'	
19. Proposed Depth 6,635'	
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5385' GL	
22. Approximate date work will start* 1st Oct. 2010	
23. Estimated duration (7) days from SPUD to rig release	

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 9/4/09
Title Regulatory Specialist		
Approved by (Signature) <i>James H. Sparger</i>	Name James H. Sparger	Date MAY 18 2010
Title ACTING Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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.

(Continued on page 2)

\*(Instructions on page 2)

RECEIVED

SEP 9 - 2009

NOTICE OF APPROVAL

BLM VERNAL, UT

RECEIVED

MAY 24 2010

UDOGM

DIV. OF OIL, GAS & MINING

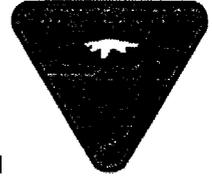


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

Company:	Newfield Production Company	Location:	NESW, Sec. 23, T8S, R16E
Well No:	Hawkeye Federal 11-23-8-16	Lease No:	UTU-73088
API No:	43-013-50131	Agreement:	Greater Monument Butte Unit

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

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**CONDITIONS OF APPROVAL:**

- Construction and drilling is not allowed from May 1 – June 15 to minimize impacts during mountain plover nesting.
- If it is anticipated that construction or drilling will occur during any of the given timing restrictions, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be granted by the BLM Authorized Officer.
- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur, and a completed Weed Inventory Form will be submitted to the BLM Authorized Officer.

**Reclamation**

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.

**Seed Mix (Interim and Final Reclamation)**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	2.0	¼ - ½"
Bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	2.0	½"
Four-wing saltbush	<i>Atriplex canescens</i>	3.0	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	1.0	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	⅛ - ¼"

- All pounds are pure live seed.

- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

**Monitoring and Reporting**

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

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

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-73088
---	--

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

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Hawkeye Federal 11-23-8-16
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013501310000
--	---

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

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2101 FSL 1955 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 23 Township: 08.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/21/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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> 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> 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 this well for one year.

Approved by the  
 Utah Division of  
 Oil, Gas and Mining

Date: September 20, 2010  
 By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/13/2010	



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 43013501310000

API: 43013501310000

Well Name: Hawkeye Federal 11-23-8-16

Location: 2101 FSL 1955 FWL QTR NESW SEC 23 TWNP 080S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 9/21/2009

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?
• Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?
• Has the approved source of water for drilling changed?
• 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?
• Is bonding still in place, which covers this proposed well?

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier

Date: 9/13/2010

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

Date: September 20, 2010

By: [Handwritten Signature]

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration

Rig Name/# Ross #29

Submitted By Mitch Benson

Phone Number (435) 823-5885

Name/Numer Hawkeye Federal 11-23-8-16

Qtr/Qrt NE/SW Section 23 Township 8S Range 16E

Lease Serial Number UTU-73088

API Number 43-013-50131

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

Date/Time 9/29/2010 8:00:00 AM

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

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

Date/Time 9/29/2010 2:00:00 PM

Remarks:

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	17802	4304751165	SCHWABSTOLLMACK 6-19-4-1E	SE	19	4S	1E	UINTAH	9/25/2010	10/11/10
WELL 1 COMMENTS: GRRV											
A	99999	17803	4301350375	UTE TRIBAL 9-13-4-3	NE	13	4S	3W	DUCHESNE	9/25/2010	10/11/10
GRRV											
A	99999	17804	4304751162	SCHWABSTOLLMACK 3-19-4-1E	NE	19	4S 38	1E	UINTAH	10/3/2010	10/11/10
GRRV											
A	99999	17805	4301350374	UTE TRIBAL 13-13-4-3	S	13	4S	3W	DUCHESNE	10/1/2010	10/11/10
GRRV											
A	99999	17806	4301350376	UTE TRIBAL 14-13-4-3	S	13	4S	3W	DUCHESNE	9/28/2010	10/11/10
WELL 5 COMMENTS: GRRV											
B	99999	17400	4301350131	HAWKEYE FEDERAL 11-23-8-16	N	23	8S	16E	DUCHESNE	9/29/2010	10/11/10
WELL 5 COMMENTS: GRRV											

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

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

RECEIVED  
 OCT 04 2010

DIV. OF OIL, GAS & MINING

Signature Jentri Park  
 Production Clerk  
 Date 10/04/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone    (include area code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
                           NESW Section 23 T8S R16E

5. Lease Serial No.  
 USA UTU-73088

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 HAWKEYE 11-23-8-16

9. API Well No.  
 4301350131

10. Field and Pool, or Exploratory Area  
 GREATER MB UNIT

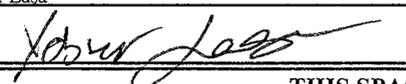
11. County or Parish, State  
 DUCHESNE, UT

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

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

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

On 9-29-10 MIRU ROSS spud rig #29. Drill 345' of 12 1/4" hole with air mist. TIH W/8 Jt's 8 5/8" J-55 24# csgn. Set @ 348.35.  
 On 10-8-10 Cement with 170 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 3 bbls cement to pit. Cement fell 40', On 10-9-10 cement w/50 sks and topped it off.

I hereby certify that the foregoing is true and correct <i>Printed/ Typed</i> _____ Xabier Lasa	Title Drilling Foreman
Signature 	Date 10/11/2010

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

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

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

(Instructions on page 2)

**RECEIVED**

**OCT 18 2010**

**DIV. OF OIL, GAS & MINING**





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-73088

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
HAWKEYE 11-23-8-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301350131

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2101 FSL 1955 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 23, T8S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/24/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 11-24-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 11/29/2010

(This space for State use only)

**RECEIVED**  
**DEC 02 2010**  
**DIV. OF OIL, GAS & MINING**

## Daily Activity Report

Format For Sundry

**HAWKEYE 11-23-8-16**

**9/1/2010 To 1/30/2011**

**11/12/2010 Day: 1**

**Completion**

Rigless on 11/12/2010 - Test casing to 4500 psi. CBL/Perferate 1st stage. - RU frac head & Cameron BOP's. RU Hot Oiler & test casing, frac head w/ valves, BOP's to 4500 psi. RU Perforators LLC WLT w/ mast & run CBP under pressure. WLTD was 6597' w/ cement top @ 70'. RIH w/ 3-1/8" Port Guns (11 gram, .36"EH, 16.82"pen, 120°) & perferate CP4 sds @ 6335-39', CP3 sds @ 6267-70' w/ 3 spf for total of 21 shots. SIFN w/ 157 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$15,242

**11/19/2010 Day: 2**

**Completion**

Rigless on 11/19/2010 - Frac stg #1. Perforate & frac stgs #2-5 - MIRU BJ Services frac equipment & The Perforators WLT & crane. Open well. Wellhead 40 psi. Break down & frac stg #1. Perforate & frac stgs #2-5. RD BJ & WLT. EWTR 1774 BBLs. RU flowback equipment. Open well to pit for flowback @ 2:00 PM. Flow well back for 4 hrs to recover 480 BBLs. EWTR 1294 BBLs. Wait on rig for completion.

**Daily Cost:** \$0

**Cumulative Cost:** \$76,106

**11/22/2010 Day: 4**

**Completion**

NC #3 on 11/22/2010 - Cont to drill out CBP's. - MIRUSU. ND BOP & frac head. NU production head & BOP. X- over to tbg eq. RU rig floor. PU TIH w/ 4 3/4 chomp bit & 145- jts 2 7/8. Tag CBP @ 4550'. RU Weatherford power swivel. Drill out CBP. SDFD. - Thaw well. OWU. 100 psi on tbg & csg. TIH w/ tbg to CBP @ 5268'.. Drill out CBP. TIH w/ tbg to CBP @ 5430'. Drill out CBP. TIH w/ tbg to fill @ 6060'. Clean out fill & drill out CBP @ 6171'. TIH w/ tbg to fill @ 6390'. Clean out fill to 6570'. CWC. SDFD. - Thaw well. OWU. 100 psi on tbg & csg. TIH w/ tbg to CBP @ 5268'.. Drill out CBP. TIH w/ tbg to CBP @ 5430'. Drill out CBP. TIH w/ tbg to fill @ 6060'. Clean out fill & drill out CBP @ 6171'. TIH w/ tbg to fill @ 6390'. Clean out fill to 6570'. CWC. SDFD. - MIRUSU. ND BOP & frac head. NU production head & BOP. X- over to tbg eq. RU rig floor. PU TIH w/ 4 3/4 chomp bit & 145- jts 2 7/8. Tag CBP @ 4550'. RU Weatherford power swivel. Drill out CBP. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$145,233

**11/23/2010 Day: 5**

**Completion**

NC #3 on 11/23/2010 - Clean out to PBTD. Swab well clean. - Wait on hot oil truck for 1 hr. Thaw well. OWU. 200 psi on tbg & csg. TIH w/ tbg to fill @ 6570'. Clean out fill to PBTD @ 6627'. CWC. LD 3- jts 2 7/8. RU sandline to swab. IFL @ surface. Made 12 swab runs & recovered 140 bbls fluid w/ 15% oil w/ no sand. FFL @ 1300'. RD sandline. TIH w/ 3- jts 2 7/8. Tag PBTD @ 6627'. No new fill. CWC. LD 8- jts 2 7/8. TOH w/ 203- jts 2 7/8, & chomp bit. PU TIH w/ NC, 2- jts 2 7/8, SN, 1- jt 2 7/8, TA, 200- jts 2 7/8. RD rig floor. ND BOP. Set TA w/ 18000 tension. NU wellhead. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$152,584

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**11/24/2010 Day: 6****Completion**

NC #3 on 11/24/2010 - PU rod string, RU pumping unit - Thaw wellhead. OUW 150 psi on tbg. PU TIH w/ 2 1/2" x 1 1/2" x 24' RHAC, 6- 1 1/2" wt bars, 20- 3/4" guided, 107- 3/4" slick, 118- 7/8" guided, 1- 4', 2' 7/8" pony subs, 1 1/2" x 26' polish rod. RU pumping unit. Stroke test rod pump to 800 psi. Good test. RDMOSU @ 3:00 pm. POP @ 3:00 pm w/ 120" SL @ 4 SPM  
**FINAL REPORT!! Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$181,567

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

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

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

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

At surface 2101' FSL & 1955' FWL (NE/SW) SEC. 23, T8S, R16E

At top prod. interval reported below

At total depth 6690'

14. Date Spudded  
09/29/2010

15. Date T.D. Reached  
11/05/2010

16. Date Completed 11/24/2010  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5385' GL 5397' KB

18. Total Depth: MD 6690'  
TVD

19. Plug Back T.D.: MD 6627'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

QUAL IND GRD. SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	348'		170 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6674'		350 PRIMLITE		70'	
						440 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6391'	TA @ 6293'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4489'	6339'	4489-6339'	.36"	108	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4489-6339'	Frac w/ 120,466#s 20/40 sand in 947 bbls of Lightning 17 fluid in 5 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/24/10	12/04/10	24	→	43	18	48			2-1/2" x 1-1/2" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

RECEIVED  
DEC 13 2010

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4489'	6339'		GARDEN GULCH MRK	4097'
				GARDEN GULCH 1	4312'
				GARDEN GULCH 2	4438'
				POINT 3	4732'
				X MRKR	4977'
				Y MRKR	5009'
				DOUGALS CREEK MRK	5139'
				BI CARBONATE MRK	5417'
				B LIMESTON MRK	5572'
				CASTLE PEAK	6026'
				BASAL CARBONATE	6427'
				WASATCH	6555'

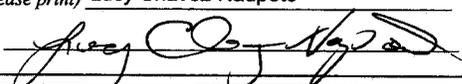
32. Additional remarks (include plugging procedure):

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

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

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-Naupoto Title Administrative Assistant

Signature  Date 12/07/2010

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

**Daily Activity Report**

Format For Sundry

**HAWKEYE 11-23-8-16****8/1/2010 To 12/30/2010****HAWKEYE 11-23-8-16****Waiting on Cement****Date:** 10/7/2010

Ross #29 at 348. Days Since Spud - 348.35', On 10-8-10 Cement w/ BJ w/170 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield - returned 3 bbls to pit,bump plug to 390 psi, BLM and State were notified via email. Cement fell 40 - feet. ON 10-9-10 Cement W/50 sks and topped it off. - On 9-29-10 Ross # 29 spud and drilled 345' of 12 1/4" hole, P/U and run 8 jts of 8 5/8" casing set @

**Daily Cost:** \$0**Cumulative Cost:** \$57,489**HAWKEYE 11-23-8-16****Waiting on Cement****Date:** 10/31/2010

NDSI SS #1 at 348. 0 Days Since Spud - Wait on 5.5" float ( didn't hold) and rig down and prepare for rig move

**Daily Cost:** \$0**Cumulative Cost:** \$57,839**HAWKEYE 11-23-8-16****Drill 7 7/8" hole with fresh water****Date:** 11/1/2010

NDSI SS #1 at 790. 1 Days Since Spud - Move rig w/Liddell Trucking and rig up, and nipple up - Test BOP and work on boom - Pick up bit and mud motor and tools - Pick up the rest of BHA - Drill 7 7/8" hole F/ 295' to 790 w/ 18K WOB,TRPM160,GPM-400,Avg ROP-68 ft/hr - No H2S or flow in last 24 hours - Wait on Directional tool

**Daily Cost:** \$0**Cumulative Cost:** \$89,258**HAWKEYE 11-23-8-16****Drill 7 7/8" hole with fresh water****Date:** 11/2/2010

NDSI SS #1 at 3555. 2 Days Since Spud - Drill 7 7/8" hole F/ 1135' to 3555' w/ 20K WOB,TRPM-165,GPM-370,Avg ROP-113 ft/hr - Rig Service,Check BOP, BOP Drill held - Drill 7 7/8" hole F/ 790' to 1135' w/ 20K WOB,TRPM-165,GPM-370, Avg ROP-172 ft/hr - NO H2S or flow , Little gas @ 1800' ,gone now

**Daily Cost:** \$0**Cumulative Cost:** \$119,868**HAWKEYE 11-23-8-16****Drill 7 7/8" hole with fresh water****Date:** 11/3/2010

NDSI SS #1 at 5227. 3 Days Since Spud - Work On Air Brakes - NO H2S or flow in last 24 hours, little gas - Drill 7 7/8" hole F/ 3555 to 5227' w/ 20K WOB,TRPM-170,GPM-370, Avg ROP-76 ft/hr - Rig Service,check BOP,Adjust Brakes

**Daily Cost:** \$0**Cumulative Cost:** \$159,282**HAWKEYE 11-23-8-16****Lay Down Drill Pipe/BHA****Date:** 11/4/2010

NDSI SS #1 at 6690. 4 Days Since Spud - Circulate for logs - Drill 7 7/8" hole F/ 5667' - 6690' w/ 20K WOB,TRPM-170,GPM-370, Avg ROP-100 ft/hr - Lay down DP - Pump 320 bbls brine - Drill 7 7/8" hole F/ 5227' -5667' w/ 20K WOB,TRPM-170,GPM-370, Avg ROP-100 ft/hr - Rig service funtion test pipe rams - Lay down to 4000'

**Daily Cost:** \$0

**Cumulative Cost:** \$219,767

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**HAWKEYE 11-23-8-16****Rigging down**

**Date:** 11/5/2010

NDSI SS #1 at 6690. 5 Days Since Spud - Test csg rams @ 2000 psi - R/U Halliburton run DISGL/SP/GR suite TD to surface- DSN/SDL/GR/CAL suite TD to 3000' (LTD 6697') - R/U Liddell csg run 159jt 5.5 15.5# j-55 LTC-tag -GS set @ 6671.97' KB -FC set @ 6626.97' KB - Ciculate - CMT w/BJ Pump 350 sks PL II +3% KCL +5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF mixed @ 11ppg - Mixed @ 14.4 ppg yeild @ 1.24 return 38 bbls to pit Bump plug to 2500 psi - Nipple down set 5.5 csg slips w/ 110,000# tention - Clean Mud tanks - Tear down - Lay down DP,BHA and dir tools - yield @ 3.54 Then tail of 420 sk 50:50:2+3%KCL+0.5%EC-1+.25# SK CF+.05#SF+.3SMS+FP-6L

**Daily Cost:** \$0

**Cumulative Cost:** \$362,507

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**HAWKEYE 11-23-8-16****Wait on Completion**

**Date:** 11/6/2010

NDSI SS #1 at 6690. 6 Days Since Spud - Release rig @ 9:00 am on 11/5/10 - Clean mud tanks **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$369,444

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**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-73088
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
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<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HAWKEYE FED 11-23-8-16
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<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013501310000
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<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2101 FSL 1955 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 23 Township: 08.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/5/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The above mentioned well will be re frac'd. See attached procedure.

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

**Date:** June 13, 2013

**By:** David K. Quist

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/5/2013	

# NEWFIELD



1001 17th Street, Suite 2000  
Denver, CO 80202  
Phone: 303-893-0102

**Well Name:** Hawkeye Fed 11-23-8-16

**TD Location:** Section 23, T8S, R16E

**Date:** 6/4/2013

**Engineer:** Sam Styles

Note: All Perf Depths are correlated to the Open Hole Log ran on 11/04/10.

Stage	Zone	Top	Bottom	Gun Size	Comments	Volume	Plug Depth
Stage #1	CP-5	6,335'	6,339'	4'	30 bpm	25,000	
	CP-4	6,267'	6,270'	3'	6 ppa 3 spf		21 holes
					Frac balls for diversion		
					Highlighted perfs are pre-existing (3 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
60 # [SS7]							
Stage #2	CP-1	6,080'	6,088'	8'	30 bpm	20,000	
					6 ppa 3 spf		24 holes
					Frac balls for diversion		
					Highlighted perfs are pre-existing (3 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
45 # [SS7]							
Stage #3	C-sand	5,345'	5,354'	9'	30 bpm	45,000	
	D-1	5,195'	5,200'	5'	6 ppa 3 spf		42 holes
					Frac balls for diversion		
					Highlighted perfs are pre-existing (3 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
150 # [SS7]							
Stage #4	GB-2	4,489'	4,496'	7'	30 bpm	20,000	
					6 ppa 3 spf		21 holes
					Frac balls for diversion		
					Highlighted perfs are pre-existing (3 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
45 # [SS7]							
Flush all stages to top perf					Total 100m =	0	
300 # [SS7]					Total 30/50 =	0	
					Total 20/40 =	110,000	
Pump Trucks	2				Total Sand =	110,000	

Newfield Production Company			
Well Name:	Hawkeye Fed 11-23-8-16		
API#:	43-047-51122	Lease#:	UTU-73088
Surf Location:	NE/SW - Sec 23, T8S, R16E   5385' GL + 12' KB   2101' FSL & 1955' FWL		
AFE:	41110		
Objective(s):	<p style="text-align: center; color: green;">No injuries, accidents or environmental incidents Comply with regulatory requirements and NFX policies Access hydrocarbons from GR formation</p> <p>POOH with Production 2-7/8". Refrac well down 3.5" tubing. Install tubing and return to production.</p>		
Depth:	6,690 ft MD	6,690 ft TVD	
Wellbore Fluid	Vertical:	FRESH	
Casing & Cement:	Surface:	8-5/8" 24# J-55 STC Landed @ 348 ft ID: 8.097" Drift: 7.972" Burst: 2,950 psi Capacity: 2.6749 gal/ft Collapse: 1,370 psi On 10/8/10 BJ Cemented 8 5/8" casing w/ 170 sks Class "G" + 2% CaCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.24 yield, returned 3 bbls back to pit.	
	Production:	5-1/2" 15.5# J-55 LTC Landed @ 6,672 ft ID: 4.950" Drift: 4.825" Burst: 4,810 psi 90% = 4,329 psi Capacity: 0.9997 gal/ft Collapse: 4,040 psi On 11/5/10 BJ cement 5-1/2" casing w/ 350 sks of lead @ PLII+.5%SM+10%gel+5#skks+3%kcl+.5#/skcf Mixed @ 11.0 ppg and 440 sks of tail @ 50:50:2+3%KCL+0.5%EC-1+.25# SK CF+.05#SF+.3SMS+FP-6L and returned 38 bbls cmt to surface	
Tubing	Production:	2-7/8" 6.5# J-55 8EUE ID: 2.441" Drift: 2.347" Burst: 7,260 psi Tensile: 99,550 lbf @ 100% Collapse: 7,680 psi Capacity: 0.2431 gal/ft	
	Frac	3.5" 9.3# P-110 8EUE ID: 2.992" Drift: 2.867" Burst: 13,970 psi Tensile: 145,000 lbf @ 100% Collapse: 12,620 psi Capacity: 0.3652 gal/ft	
<b>Pressure Test and Frac Fluid Notes</b>			
<p>Chart all pressure Tests. Pressure test charts for permanent well equipment such as tubing head and valves, casing and production tree should be scanned into Live Link well file. Pressure test charts for BOP, frac sleeve, frac valves, flowback, etc need only to be retained in the paper file. Chart all well control and barrier pressure tests with a test truck capable of 15,000 psig (max test pressure cannot be greater than 75% of gauge). A 30 second buffer on either end of the test is advised.</p>			
<p>Absolutely no diesel products or additives can be pumped as a part of the fracturing treatments in this well. It is the responsibility of the NFX foreman on location to review MSDS sheets for all chemicals scheduled to be pumped to ensure none of the below trade names, chemical names or Chemical Abstract Service "CAS" numbers are included in any part of the treatment.</p>			
	<b>Trade Name</b>	<b>Chemical Name</b>	<b>CAS #</b>
	Diesel Fuel #1	Diesel; Kerosene	68334-30-5
	Diesel Fuel #2	Diesel	68476-34-6
	Kerosene #1	Kerosene; Coal Oil	8008-20-6
	Fuel Oil #2	Heating Oil	68476-30-2
	Fuel Oil #4	Jet Fuel	68476-31-3
	Fuel Oil #5	Petroleum Fuel	70892-11-4
	Fuel Oil #6	Bunker Fuel	68553-00-4
	General Petroleum Distillate		68410-00-4
		Benzene	9072-35-9
		Benzene	71-43-0

<b>Prep Work Procedure:</b>	
<b>Safety meeting to be held prior to any operation or following a shift change. Review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and PPE policy. Detail pertinent information from SM discussion in morning report.</b>	
<b>1</b>	Hot Oil Annulus W/ 60 BW.(2x Tubing Capacity)
<b>2</b>	Unseat pump & flush tubing W/ 50 BW
<b>3</b>	POOH with Rods and Pump. Visually inspect and get a full tear down report on pump. Verify new pump size with Production Foreman/Engineer. Rack back Rods.
<b>4</b>	ND Wellhead and PU B-1 Adapter 7-1-16"x2 7/8" EUE to release TAC
<b>5</b>	Prep location for Frac - tanks, proppant bins, cellar, etc
NU BOP stack on 7-1/16" Tubing Head as follows from bottom to top	
<b>6</b>	5K 7-1/16" Blind BOP and double 2-1/16" manual valves.
	5K Manual Frac Valve
	5K 7-1/16" pipe BOP with 2-7/8" rams (3 1/2" rams for frac string)
	5K 7-1/16" pipe BOP with 2-7/8" rams (3 1/2" rams for frac string)
<b>7</b>	POOH with 1 Jt 2-7/8" Prod. Tbg. MU Packer w/ H Valve, RIH set PKR and POOH w/tbg
<b>8</b>	Pressure Test BOP stack according to Newfield Testing Guidelines. Remediate any leaks and retest until successful tests are witnessed
<b>9</b>	RIH with 1 jt of prod tbg retrieve H Valve/PKR. POOH 1 jt, break PKR MU 1 jt, RIH w/ prod tbg.
<b>10</b>	RU PRS tubing inspector to inspect production tubing. Call engineering if any joints are Blue-Red Grade.
<b>11</b>	RIH and tag fill to ensure sand is below lowest perf. POOH with 2-7/8" Tubing. Rack back tubing. RD PRS Tubing inspector.
<b>12</b>	If needed, RIH positive scraper to PBTD (with Frac String unless 100% Prod passes inspection) Clean out any fill in well. POOH and lay down tubing.
<b>13</b>	Change Ram Blocks to 3-1/2" and Test 3-1/2" Pipe Rams to Newfield Testing Guidelines.
If perforating proceed, if not skip to Step 15	
<b>14</b>	RU 5-1/2" 5K lubricator and verify 3-1/8" perf guns are loaded with 3 spf, 0.34 EHD, 120 deg phasing, 16 gram charges. Pick-up toolstring and make-up lubricator. Pressure test against top of the Frac valve. Ensure location is under radio silence from the time the guns are armed until 200 ft downhole. Perf as specified on "Frac Summary" sheet. Do not Re-perf existing perms. RD Wireline.
RIH with Tandem Packer Assembly and P-110 3-1/2" frac string.	
<b>15</b>	Set Bridge Plug @ +/- 6,440'. Set Packer 1 jt above and test tools/csg to <b>4,200</b> psi. Unset Packer after successful test move up hole and set at +/- 6,165'. While setting PKR fill backside with Rig Pump and est. pumping required to hold backside pressure.
<b>16</b>	RU 8' 3 1/2" pup and NU Frac Valve.

Frac Procedure:				
1	Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and PPE policy.			
2	RU frac company. Pressure test lines to 5,500 psi against frac valve for 1 min ( $\leq 1\%$ ) and chart the test in the frac report. Ensure Backside pump is monitoring backside and ensuring a full fluid column and set pop off @ 1,500 psi. <b>Max frac pressure: 5,000 psi.</b> Set Kickout staggered starting at 4900 psi.			
3	Frac stage with frac company proposal as per "Frac Summary" sheet. Shut well in at frac valve.			
4	Flowback well immediately			
	Release PKR			
5	After unseating Packer, ensure to reverse circulate 2 wellbore volumes. RIH tag sand and reverse circ. Until sand is cleaned up on top of the bridge plug.			
	Retrieve Bridge Plug and POOH.			
6	POOH to next set of perms with PKR and plug assembly. Please reference PKR and plug setting table below for the setting depths for each stage.			
	<b>Stage</b>	<b>set PKR at</b>	<b>set plug at</b>	Note: Once plug has been set POOH 1 jt and set packer and test tools to <b>4200 psi</b> as in <b>step 15</b> of prep work section.
	1	+/- 6,165'	+/- 6,440'	
	2	+/- 5,980'	+/- 6,190'	
	3	+/- 5,095'	+/- 5,450'	
	3	+/- 4,390'	+/- 4,600'	
7	Repeat steps 3-6 until well has been completed.			
Tubing Installation Procedure:				
1	Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and PPE			
2	Verify that well pressure is 0 psi. If there is pressure on the well, contact engineer.			
	Release PKR			
3	After unseating Packer, ensure to reverse circulate 2 wellbore volumes. RIH tag sand and reverse circ. Until sand is cleaned up on top of the bridge plug.			
	Retrieve Bridge Plug and POOH.			
4	Change Ram Blocks to 2-7/8" and Test 2-7/8" Rams to Newfield Testing Guidelines.			
5	PU 2-7/8" 6.5# J-55 8EUE production tubing			
6	PU production BHA (verify with Production Foreman) as follows from top to bottom. RIH to PBTD and Circulate Clean. SN to be set below bottom perms if possible.			
	2-7/8 6.5# J-55 8EUE to surface			
	5-1/2" TA			
	1 jt of 2-7/8 6.5# 8EUE J-55			
	PSN			
	2 joints 2-7/8 6.5# J-55			
	NC			
7	RD workfloor. ND BOPs and Master valve. Set TAC in 18K lbs tension with 3K B-1 adapter.			
8	RU Wellhead (NU 3K B1 Adapter, Pumping Tee, stuffing box, and flowline).			
9	Inspect, PU & TIH with rods per 'Pump and Rod String Design' for well			
10	RU pumping unit. Fill & test tbg to 200 psig w/ hot oiler.			
11	Stroke test pump to <b>800</b> psig and make sure there is good pump action			
12	RDWO. PWOP, check for leaks and fix if necessary			