

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL  DEEPEN  RE-ENTER   
1b. TYPE OF WELL  
OIL  GAS  OTHER  SINGLE ZONE  MULTIPLE ZONE

5. LEASE DESIGNATION AND SERIAL NO.  
**FEE**  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**  
7. UNIT AGREEMENT NAME  
**N/A**  
8. FARM OR LEASE NAME  
**N/A**  
9. WELL NO.  
**Hancock 16-20-4-1**  
10. FIELD AND POOL OR WILDCAT  
**Monument Butte 105**  
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SE/SE Sec. 20, T4S, R1W**  
12. County  
**Duchesne**  
13. STATE  
**UT**

2. NAME OF OPERATOR  
**Newfield Production Company**  
3. ADDRESS AND TELEPHONE NUMBER:  
**Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721**  
4. LOCATION OF WELL (FOOTAGE)  
At Surface: **SE/SE 584097X 4440654Y 203' FSL 848' FEL 40.113885**  
At proposed Producing Zone  
**-110.013185**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 8.8 miles southeast of Myton, UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE (Also to nearest drlg. unit line, if any)  
**Approx. 203' f/lse line and NA' f/unit line**  
16. NO. OF ACRES IN LEASE  
**NA**  
17. NO. OF ACRES ASSIGNED TO THIS WELL  
**Approx. 40**  
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
**APPROX. 1570'**  
19. PROPOSED DEPTH  
**6810'**  
20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5192' GL**  
22. APPROX. DATE WORK WILL START\*  
**2nd Quarter 2008**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290' 500'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

**SURFACE PIPE** - 155 sx Class G Cement +/I 10%, w/ 2% CaCl2 & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H2O Req: 5 gal/sk  
**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk  
Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 gal/sk

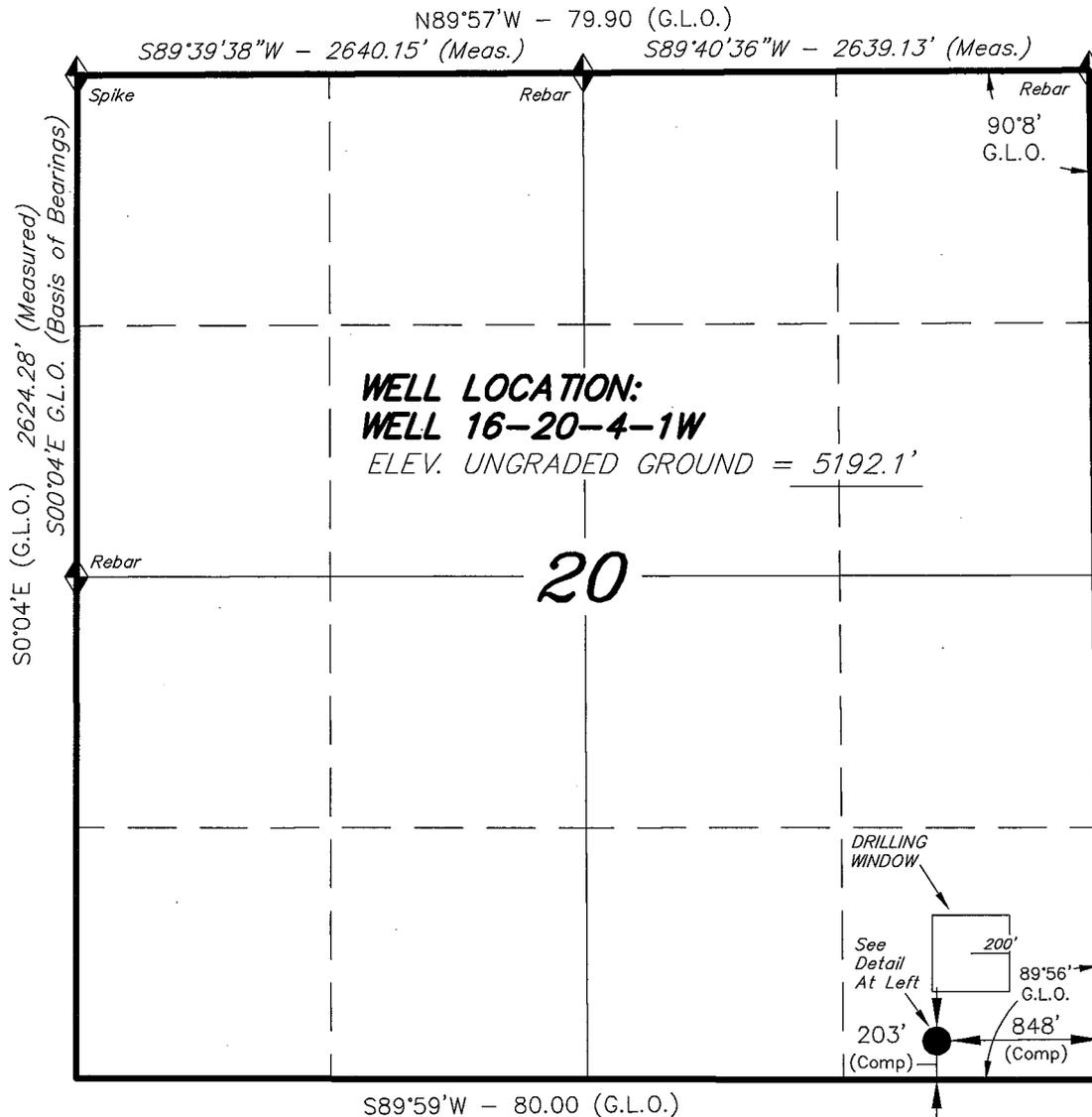
Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 2/25/2008

(This space for State use only)  
API Number Assigned: 43-013-33914 APPROVAL:

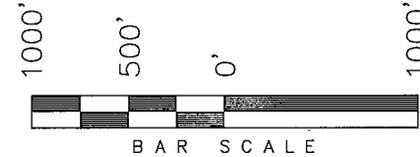
Approved by the Utah Division of Oil, Gas and Mining  
Date: 02-04-08  
By: [Signature]  
See instructions On Reverse Side  
RECEIVED FEB 29 2008 DIV. OF OIL, GAS & MINING

# T4S, R1W, U.S.B.&M.

# NEWFIELD PRODUCTION COMPANY



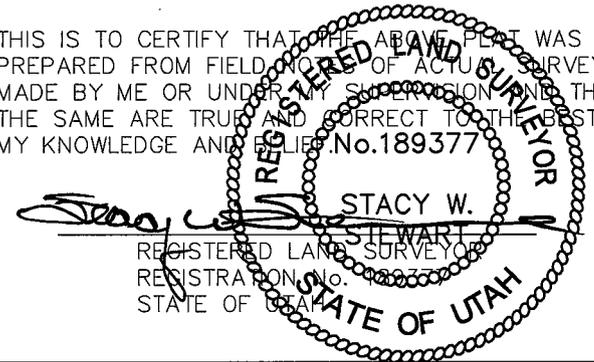
WELL LOCATION, WELL 16-20-4-1W,  
 LOCATED AS SHOWN IN THE SE 1/4 SE  
 1/4 OF SECTION 20, T4S, R1W,  
 U.S.B.&M. DUCHESNE COUNTY, UTAH.



**Notes:**

- The Proposed Well head bears  $S61^{\circ}36'06''E$  5097.32' from the West 1/4 Corner of Section 20.

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



◆ = SECTION CORNERS LOCATED

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

**WELL 16-20-4-1W**  
 (Surface Location) NAD 83  
 LATITUDE =  $40^{\circ} 06' 49.88''$   
 LONGITUDE =  $110^{\circ} 00' 49.71''$

## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 10-22-07	SURVEYED BY: C.M.
DATE DRAWN: 11-15-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S PROPOSED  
WELL LOCATION 16-20-4-1W  
IN TOWNSHIP 4S, RANGE 1W, SECTION 20,  
DUCHESNE COUNTY, UTAH

By:

Patricia Stavish

Prepared for:

Ute Indian Tribe  
Uintah and Ouray Agency

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 08-022

April 21, 2008

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

State of Utah Antiquities Project (Survey)  
Permit No. U-08-MQ-0295p

Ute Tribal Permit No. A07-363

## INTRODUCTION

In April 2008 a cultural resource inventory was conducted by Montgomery Archaeological Consultants, Inc. (MOAC) for Newfield Exploration's one proposed well location 16-20-4-1W in Section 20 of Township 4 South, Range 1 West. The project area is located south of Roosevelt in Duchesne County, Utah. The inventory was implemented at the request of Mandie Crozier of Newfield Exploration, Myton, Utah. The project occurs on private land situated within the Ute Indian Treaty Boundary (Uintah and Ouray Agency).

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and the Utah State Antiquities Act of 1973 (amended 1990).

The field work was performed on April 1, 2008 by Keith R. Montgomery (Principal Investigator). The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 07-UT-60122, Ute Tribal Permit No. A07-363, and State of Utah Antiquities Permit (Survey) No. U-08-MQ-0295p issued to MOAC, Moab, Utah.

A file search was completed by consulting the Newfield Production Company's Pleasant Valley block survey project, in Duchesne and Uintah Counties, Utah (Whiting et al. 2008). The file search for this 22,192.5 acre project area included the current inventory area. Record searches were performed at the Utah State Historical Preservation Office in Salt Lake City and were consulted by Marty Thomas on March 28 and 29, 2007. This consultation indicated that one previous cultural resource inventory has been conducted in the current project area. In 2007, MOAC completed a cultural resource inventory of Newfield Exploration's four proposed well locations with access and pipeline corridors; resulting in no cultural resources (Montgomery 2007).

## DESCRIPTION OF PROJECT AREA

The project area is located in Pleasant Valley, north of Pariette Bench, and south of Roosevelt, Utah in Duchesne County. The legal description is Sections 20 and 29, Township 4 South, Range 1 West (Figure 1, Table 1). A total of 11.8 acres was inventoried on private land situated within the Ute Indian Treaty Boundary (Uintah and Ouray Agency).

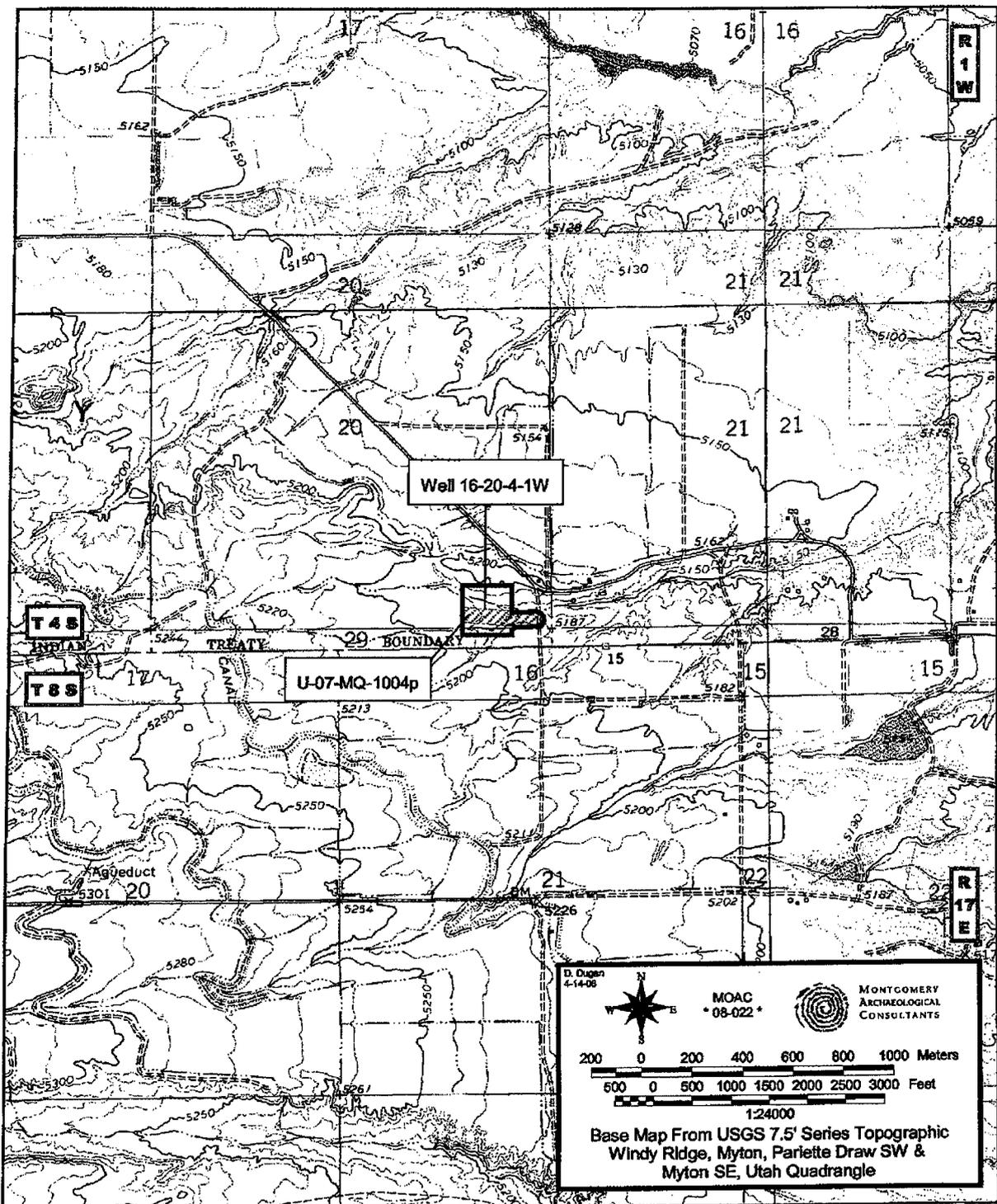


Figure 1. Inventory Area of Newfield Exploration's Proposed Well Location in Duchesne County, Utah.

Table 1. Newfield Exploration's Proposed Well Location.

Well Designation	Legal Location	Access/Pipeline	Cultural Resources
16-20-4-1W	SE/SE of Sec. 20, T4S, R1W	Access: 180 ft	None

### Environmental Setting

The project area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The area is characterized by steep-sided narrow ridges and benches dissected by intermittent drainages. Outcrops of the Uinta formation are characterized by a dense dendritic drainage pattern and topographic relief. This Eocene-age formation occurs as fluvial deposited interbedded sandstone and mudstone and is well-known for its fossil vertebrate turtles, crocodilians, fish, and mammals. Named water sources nearby include Snyder Spring and Snyder Reservoir to the southwest. Elevation of the project area averages 5190 ft asl. The project area lies within the Upper Sonoran life zone, dominated by a shadscale community along with rabbitbrush, horsebrush, and prickly pear cactus. Modern disturbances to the landscape include well locations, access roads, pipelines, stock grazing, and vandalism.

### SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At the proposed well locations, a 10 acre square was defined, centered on the well pad center stake. The access/pipeline corridors were surveyed to a width of 61 m (200 ft). Both the well locations and the access corridors were examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (33 ft) apart. Ground visibility was considered good. A total of 11.8 acres was inventoried on private land situated within the Ute Indian Treaty Boundary (Uintah and Ouray Agency).

### RESULTS AND RECOMMENDATIONS

The inventory of Newfield Exploration's one proposed well location 16-20-4-1W resulted in the location of no cultural resources. Based on the findings, a determination of "no historic properties affected" is recommended for the undertaking pursuant to Section 106, 36 CFR 800.

## REFERENCES

Montgomery, J.A.

2007

Cultural Resource Inventory of Newfield Exploration's Proposed Well Locations #7-19-4-1, #9-20-4-1, #15-20-4-1, and #7-23-4-1 (T4S, R1W, Sections 19, 20, and 23), Duchesne and Uintah Counties, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-07-MQ-1004p.

Stokes, W.L.

1986

*Geology of Utah*. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

NEWFIELD PRODUCTION COMPANY  
HANCOCK #16-20-4-1  
SE/SE SECTION 20, T4S, R1W  
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 – 1930'
Green River	1930'
Wasatch	6810'

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

Green River Formation (Oil) 1,930' – 6,810'

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:

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 400' (New)  
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

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  $\pm 350$  feet will be drilled with an air/mist system. 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 @ 400' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBD 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 second quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY  
HANCOCK #16-20-4-1  
SE/SE SECTION 20, T4S, R1W  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Hancock 16-20-4-1 located in the SE¼ SE¼ Section 20, T4S, R1W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, approximately 3.0 miles to it's junction with an existing road to the east; proceed easterly and then southerly approximately 3.2 miles to it's junction with an existing road to the east; proceed easterly and then southeasterly approximately 2.3 miles to it's junction with an existing road to the south; proceed southerly approximately 420' to it's junction with the beginning of the proposed access road to the west; proceed westerly approximately 910' 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 1,090' 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: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

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. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or 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:** Tommy and Billie Henderson  
See attached Easement ROW and Surface Use Agreement.

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.

The Archaeological and Paleontological Resource Surveys will be forthcoming. The above mentioned private surface land owner has requested the surveys be completed and would not sign the survey waivers.

**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 Hancock 16-20-4-1, 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 Hancock 16-20-4-1 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

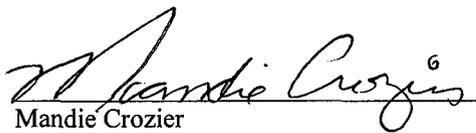
Name: Dave Allred  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #16-20-4-1, SE/SE Section 20, T4S, R1W, 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 Hartford Accident #4471291.

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.

2/25/08  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

**MEMORANDUM**  
of  
**EASEMENT, RIGHT-OF-WAY**  
and  
**SURFACE USE AGREEMENT**

This Easement and Surface Use Agreement ("Agreement") is entered into this 4<sup>th</sup> day of February 2008 by and between, **Tommy Henderson, and Billie Henderson**, whose address is R.R. 3, Box 3667, Myton, Utah 84052 ("Surface Owner," whether one or more), and NEWFIELD PRODUCTION COMPANY, a Texas corporation ("NEWFIELD"), with offices at 1401 Seventeenth Street, Suite 1000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Duchesne County, Utah described as follows:

Township 4 South, Range 1 West  
Section 20: SESE (16-20-4-1)  
Duchesne County, Utah

(limited to approximately 10 acres around the well bore)

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated February 4, 2008, as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD's oil and gas leases remain in effect.

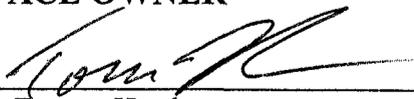
This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned.

These Parties hereto have executed this document effective as of the day first above written.

NEWFIELD PRODUCTION COMPANY

By: \_\_\_\_\_  
Gary D. Packer, President

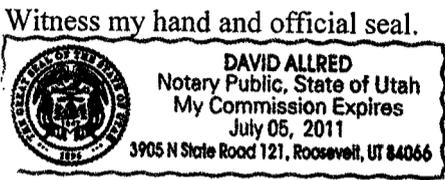
**SURFACE OWNER**

By:   
Tommy Henderson

By:   
Billie Henderson

STATE OF UTAH                    )  
  )ss  
COUNTY OF Duchesne        )

This instrument was acknowledged before me this 5<sup>th</sup> day of Feb, 2008 by **Tommy Henderson and Billie Henderson**



David Allred  
Notary Public

My commission expires July 5, 2011

STATE OF COLORADO            )  
  )ss  
COUNTY OF Denver            )

This instrument was acknowledged before me this \_\_\_\_\_, 2008 by **Gary D. Packer, as President of Newfield Production Company**, a Texas corporation, on behalf of the corporation.

Witness my hand and official seal.

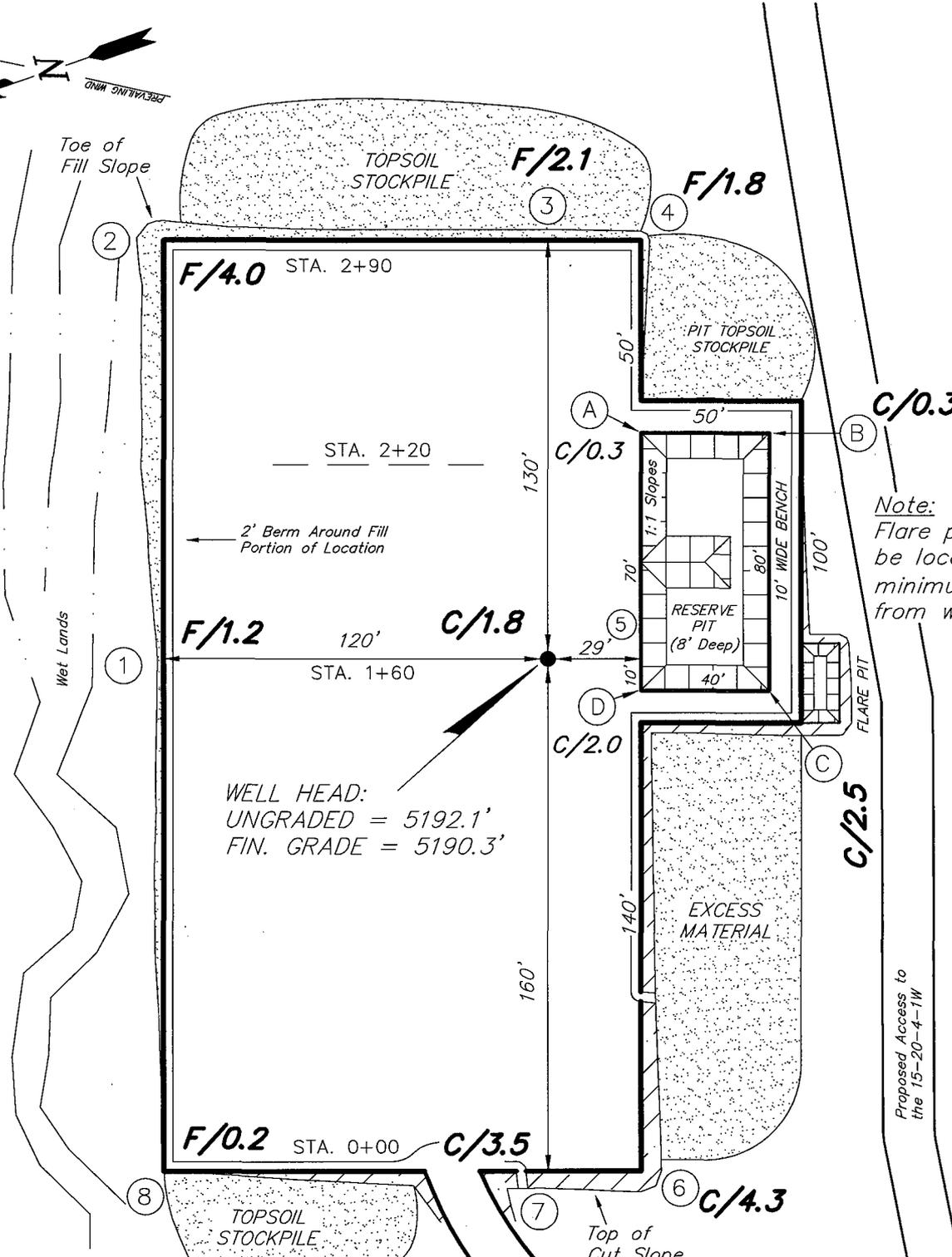
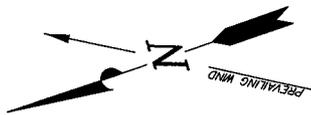
\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

# NEWFIELD PRODUCTION COMPANY

WELL 16-20-4-1W

Section 20, T4S, R1W, U.S.B.&M.



*Note:*  
Flare pit is to be located a minimum of 80' from well head.

**REFERENCE POINTS**

- 220' SOUTHEAST = 5184.4'
- 165' SOUTHEAST = 5186.7'
- 170' NORTHEAST = 5187.7'
- 220' NORTHEAST = 5192.8'

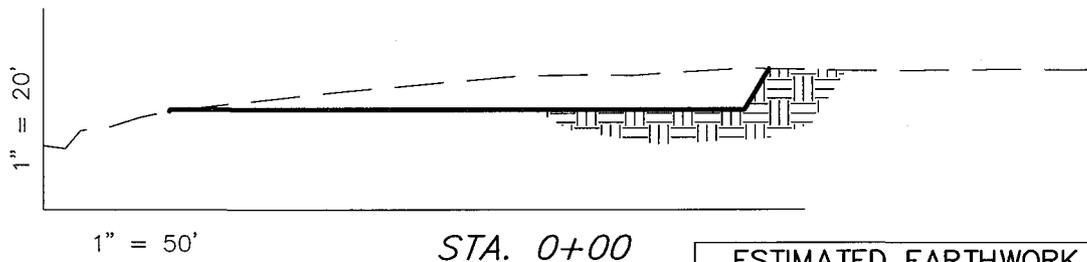
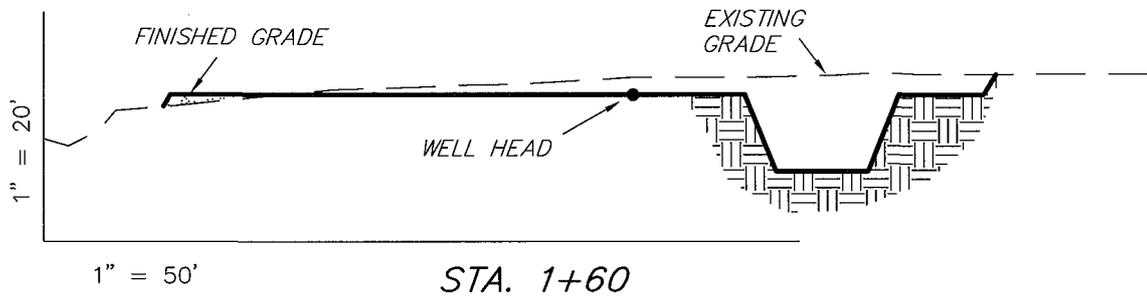
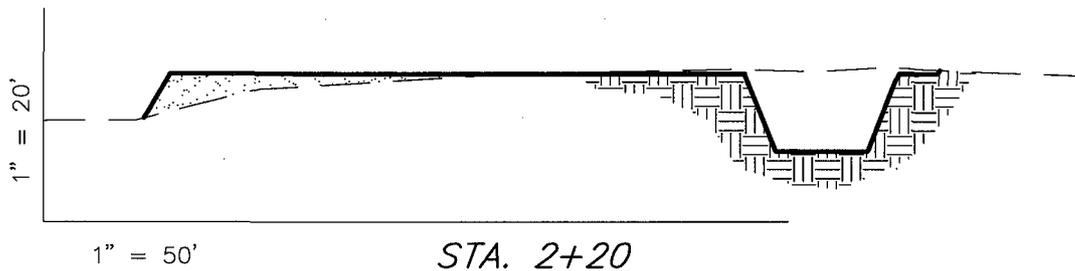
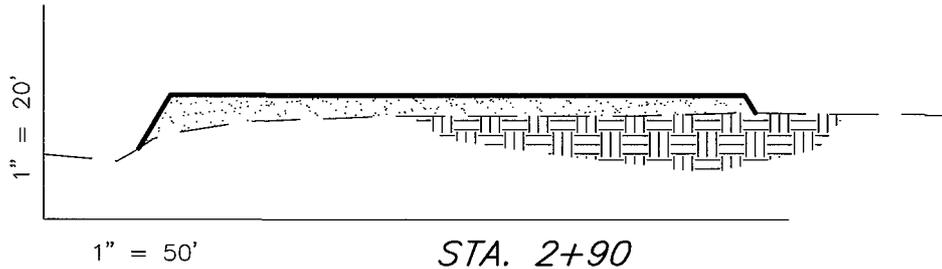
PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: C.M.	DATE SURVEYED: 10-22-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-15-07
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS WELL 16-20-4-1W



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)

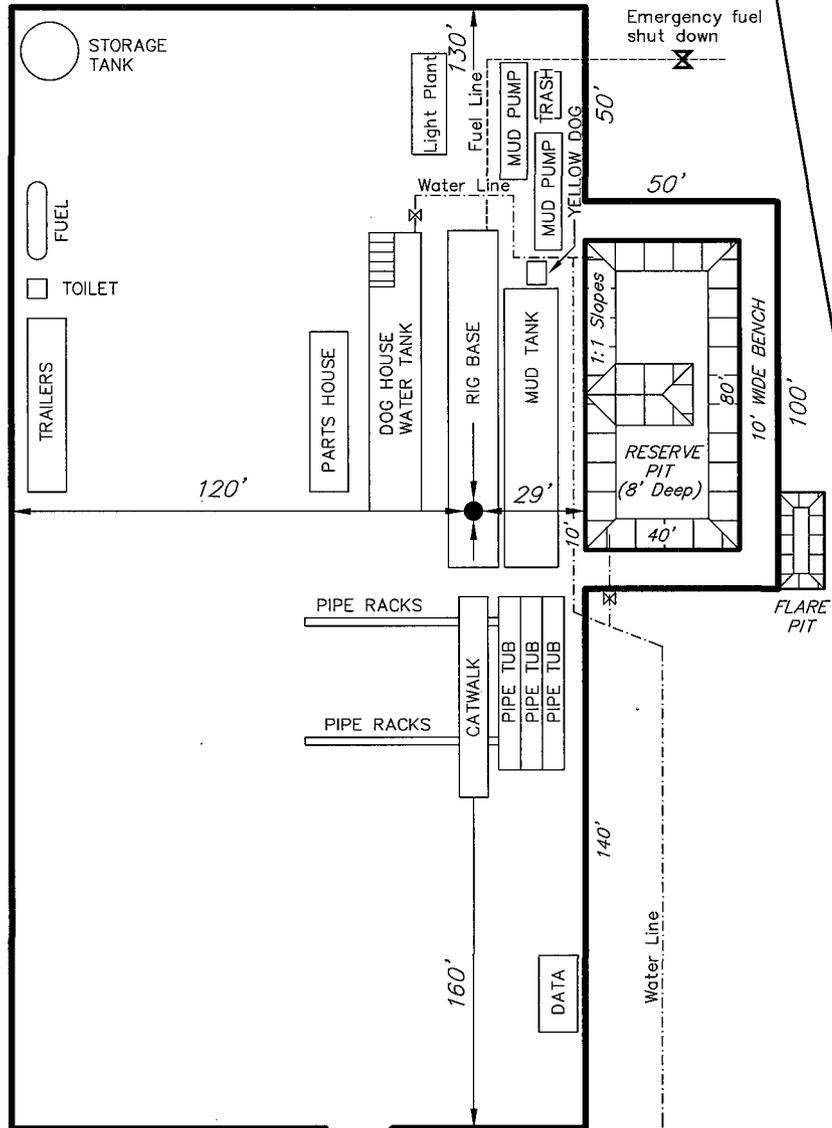
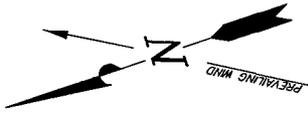
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,310	1,310	Topsoil is not included in Pad Cut	0
PIT	640	0		640
<b>TOTALS</b>	<b>1,950</b>	<b>1,310</b>	<b>960</b>	<b>640</b>

SURVEYED BY: C.M.	DATE SURVEYED: 10-22-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-15-07
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT WELL 16-20-4-1W

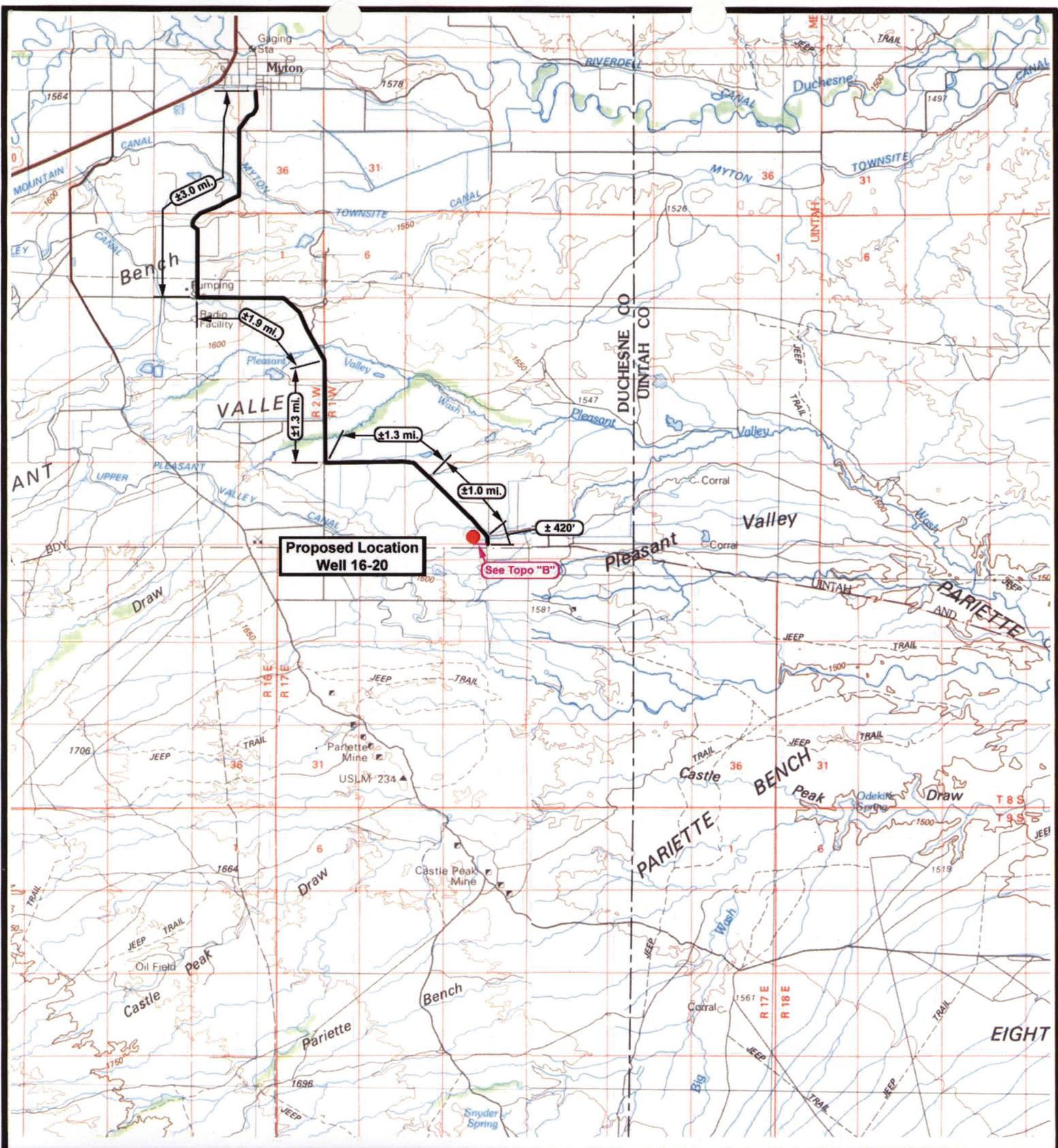


PROPOSED ACCESS ROAD (Max. 6% Grade)

Proposed Access to the 15-20-4-1W

SURVEYED BY: C.M.	DATE SURVEYED: 10-22-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-15-07
SCALE: 1" = 50'	REVISED:

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



**NEWFIELD**  
Exploration Company

**Well 16-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B. & M.**



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

SCALE: 1 = 100,000

DRAWN BY: nc

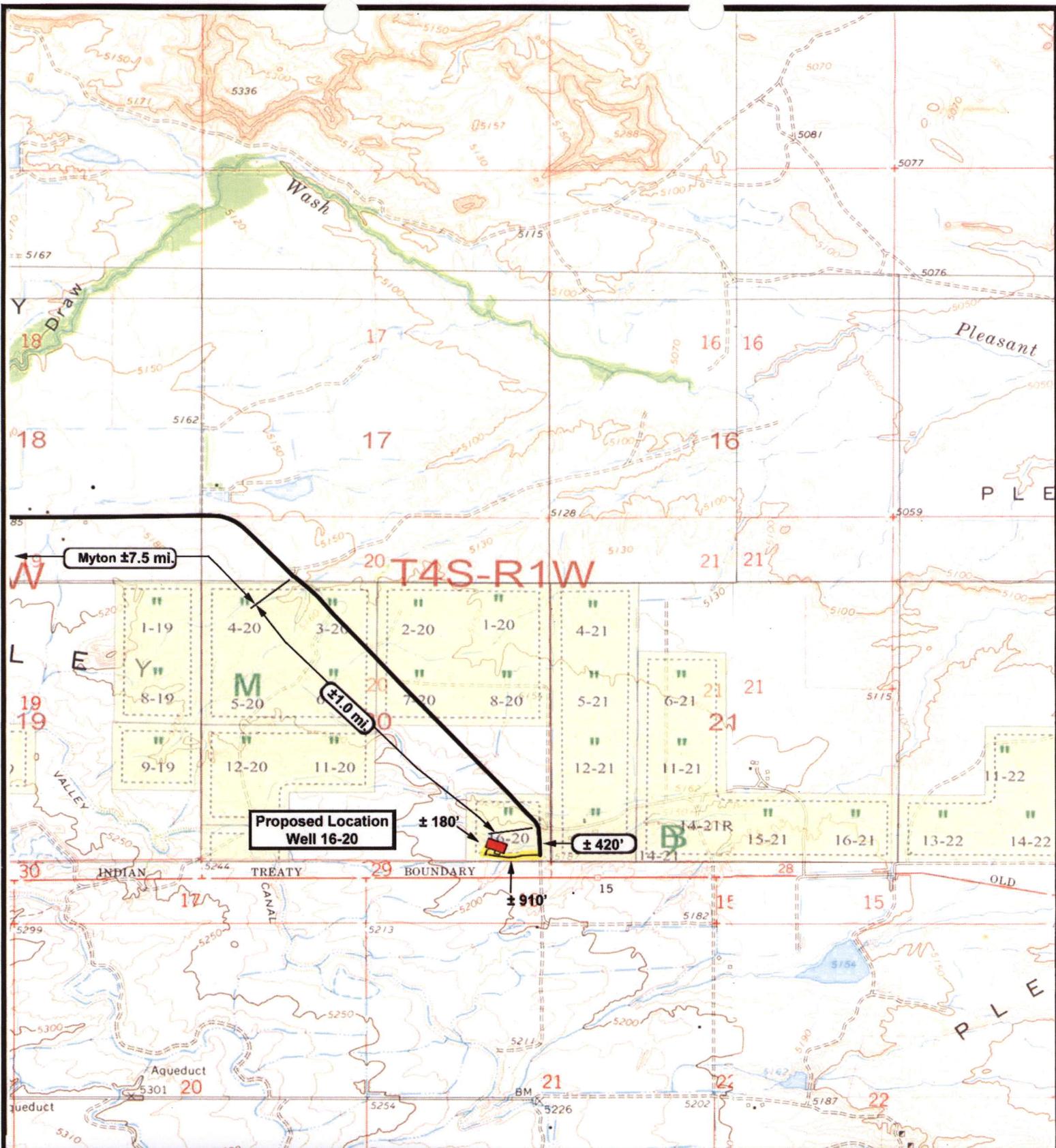
DATE: 12-14-2007

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**



**NEWFIELD**  
Exploration Company

**Well 16-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B. & M.**



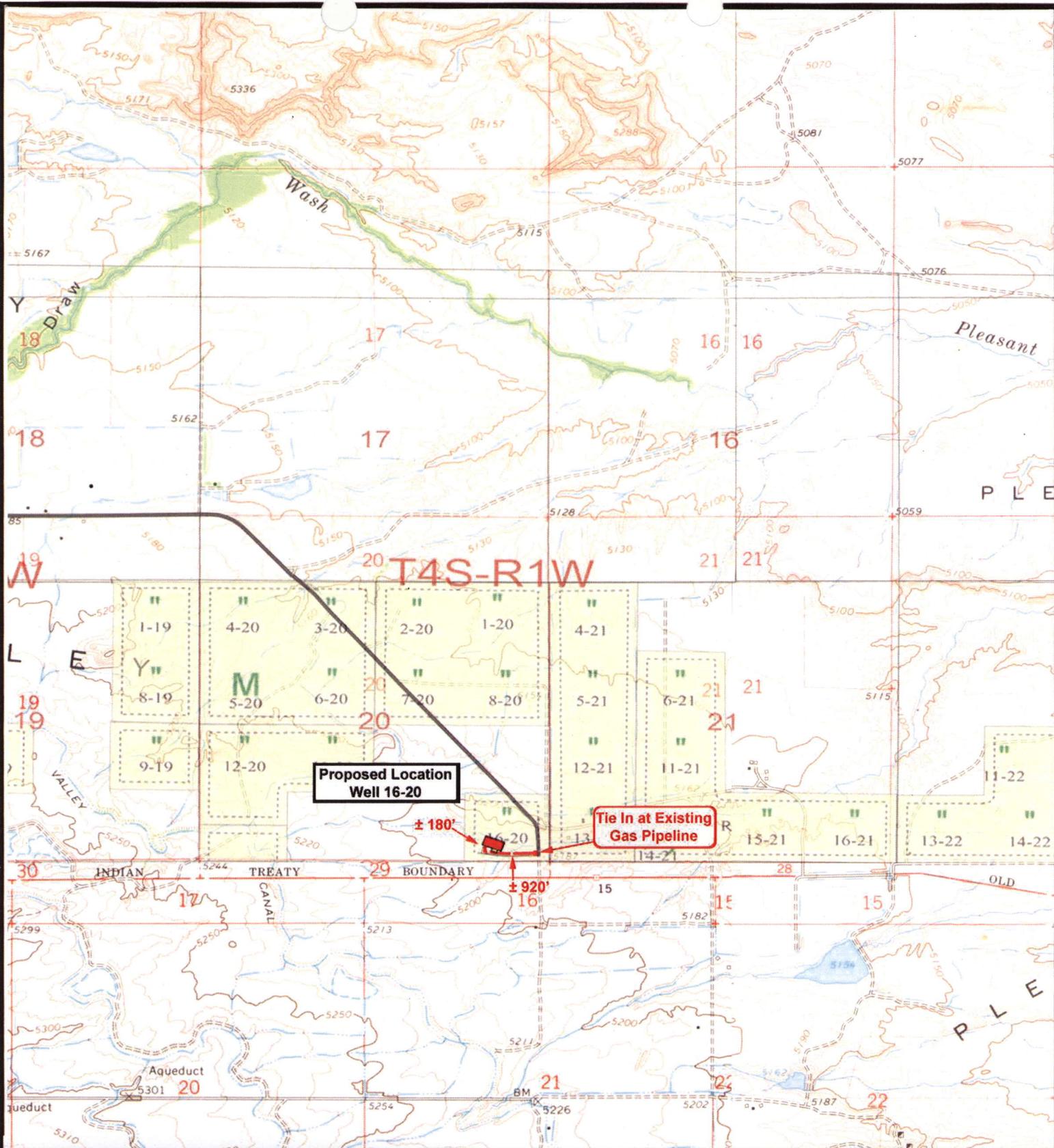
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: nc  
DATE: 12-14-2007

**Legend**

Existing Road  
Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**NEWFIELD**  
Exploration Company

**Well 16-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B. & M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: nc  
DATE: 12-14-2007

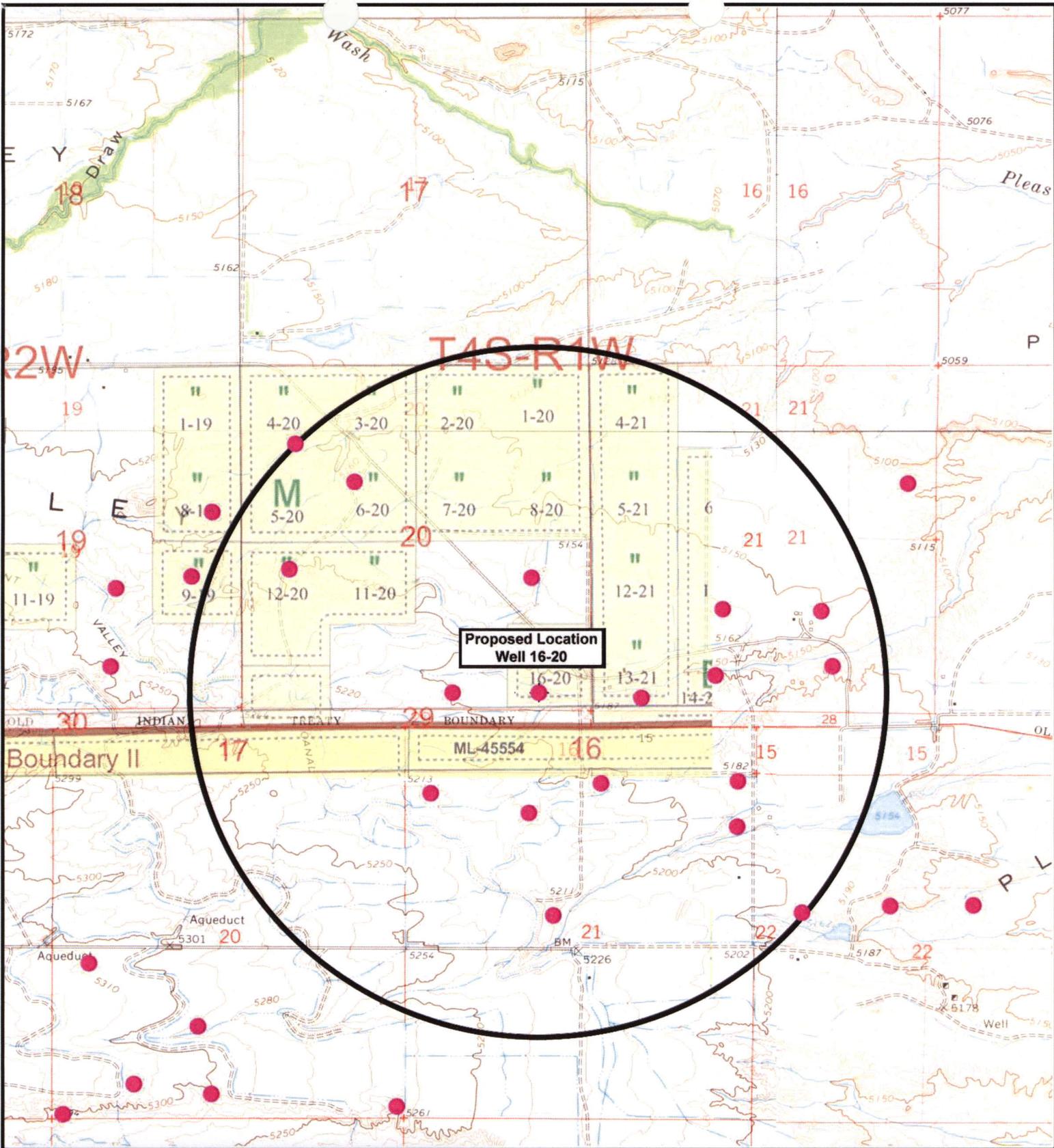
**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**





**Proposed Location  
Well 16-20**



**NEWFIELD**  
Exploration Company

---

**Well 16-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B.&M.**




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

---

SCALE: 1" = 2,000'  
DRAWN BY: nc  
DATE: 12-14-2007

**Legend**

- Location
- One-Mile Radius

---

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

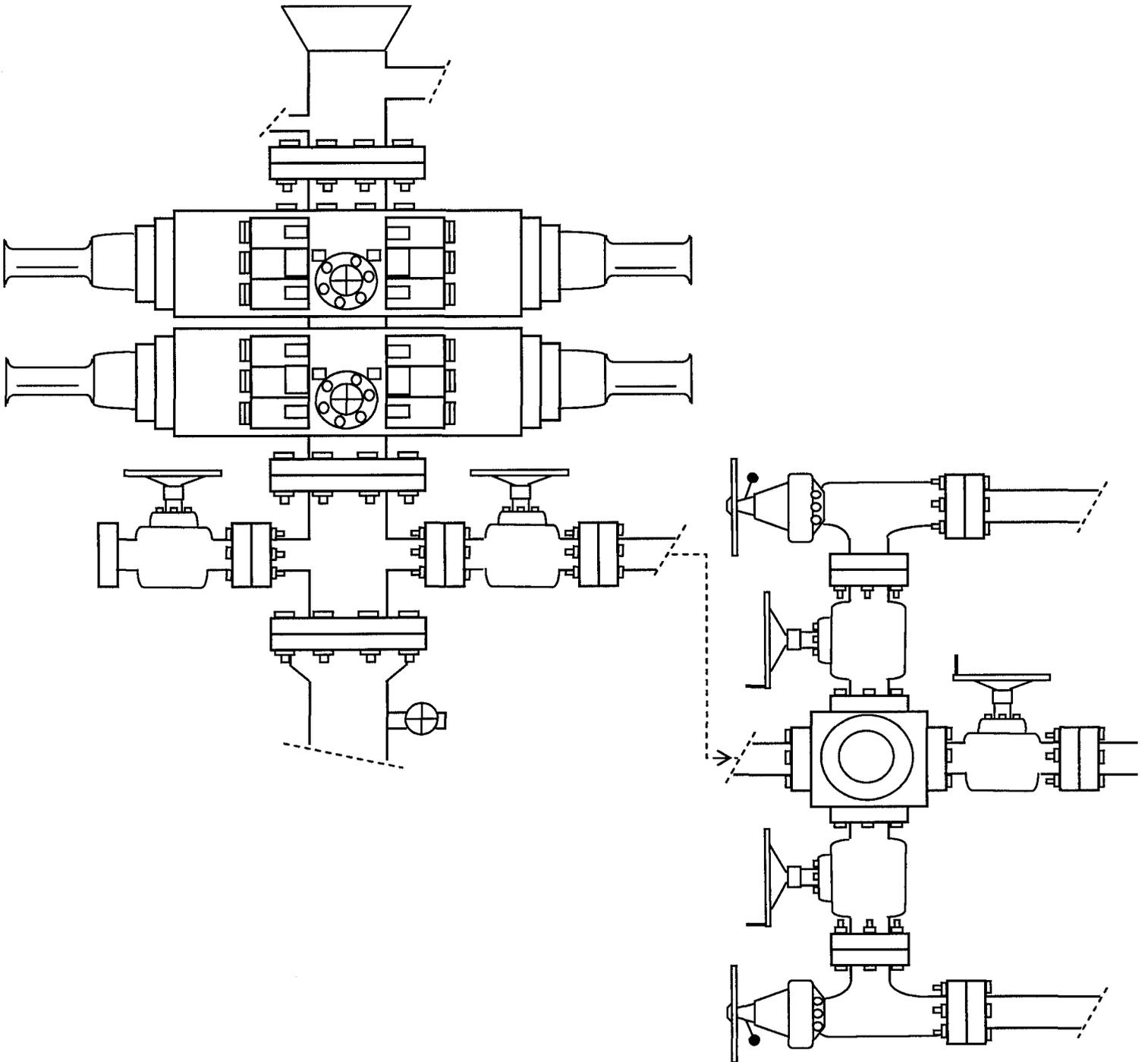


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/29/2008

API NO. ASSIGNED: 43-013-33914

WELL NAME: HANCOCK 16-20-4-1  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESE 20 040S 010W  
 SURFACE: 0203 FSL 0848 FEL  
 BOTTOM: 0203 FSL 0848 FEL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.11389 LONGITUDE: -110.0132  
 UTM SURF EASTINGS: 584097 NORTHINGS: 4440654  
 FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DRD	7/8/08
Geology		
Surface		

LEASE TYPE: 4 - Fee  
 LEASE NUMBER: FEE  
 SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 13001834 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10136 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

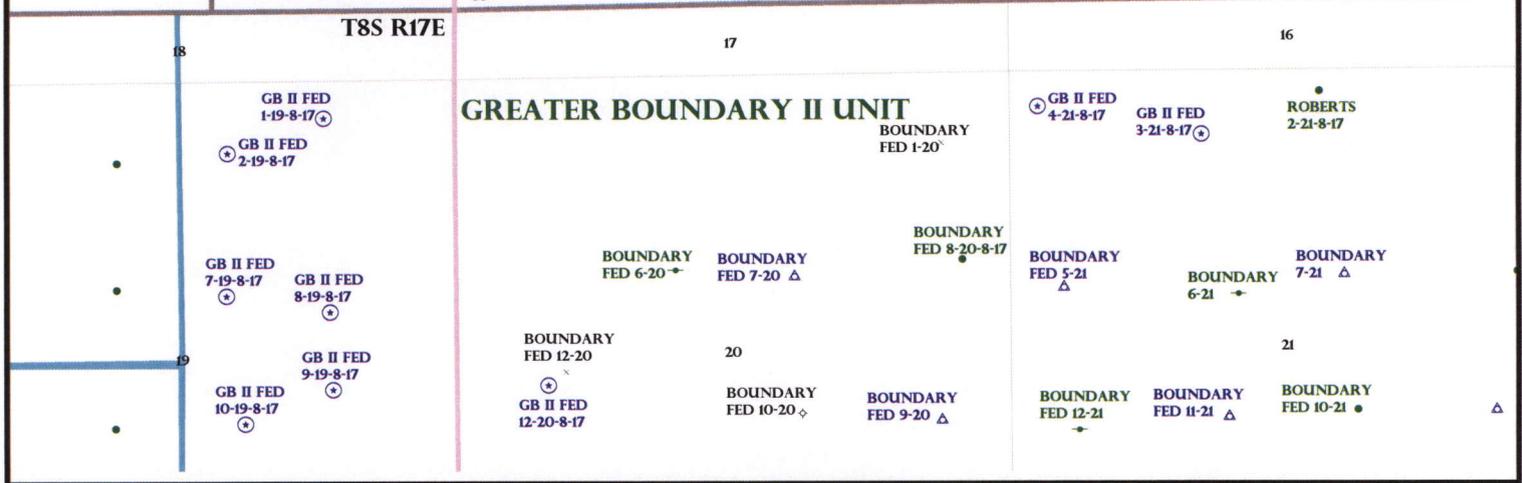
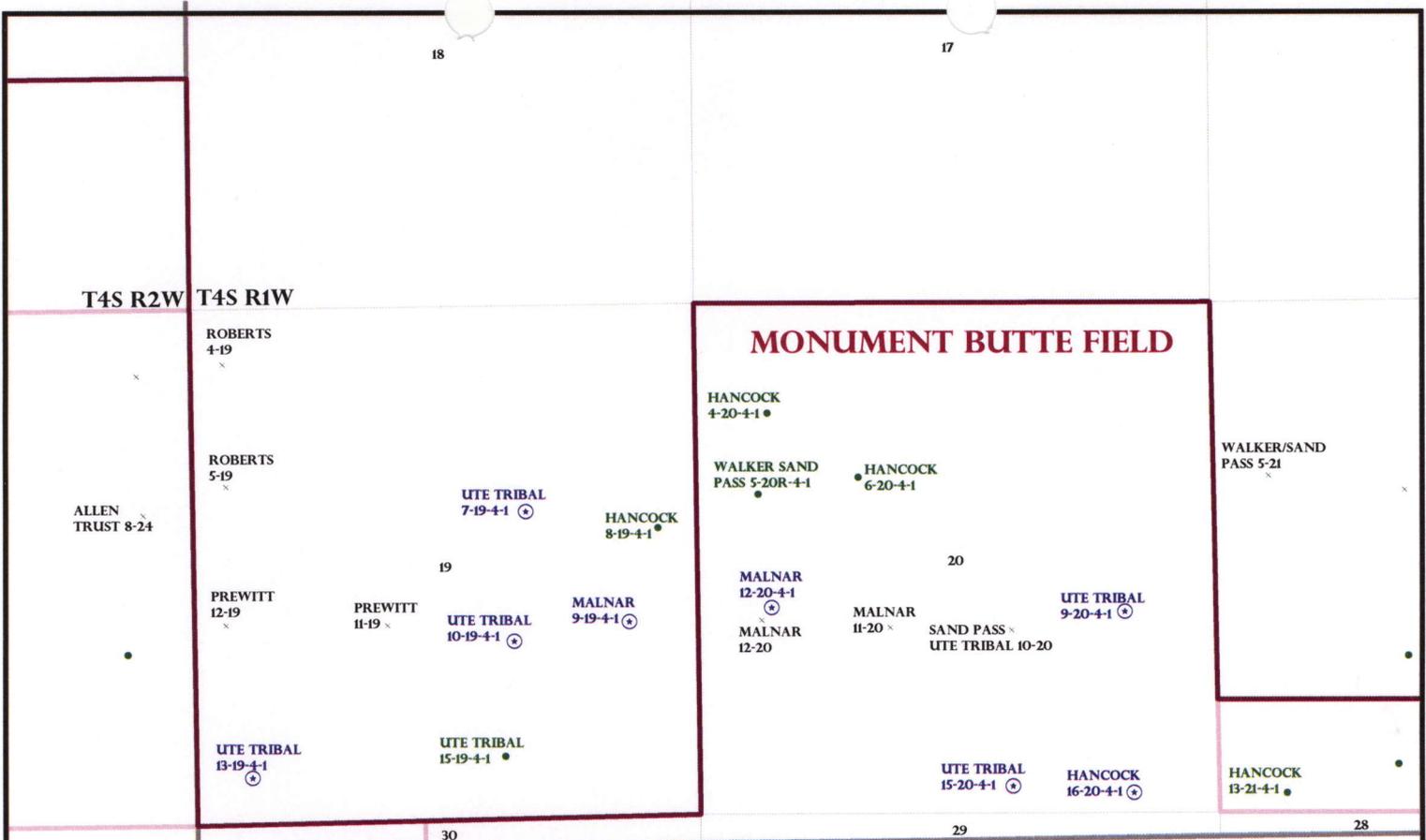
- \_\_\_ R649-2-3.
- Unit: \_\_\_\_\_
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- \_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- \_\_\_ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (03-25-08)

STIPULATIONS:

- 1- Spacing Air
- 2- STATEMENT OF BASIS
- 3- Surface Csg. Cont. Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 20 T.4S R.1W

FIELD: UNDESIGNATED (002)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

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

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

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 03-MARCH-2008

# Application for Permit to Drill

## Statement of Basis

Utah Division of Oil, Gas and Mining

4/1/2008

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
709	43-013-33914-00-00		OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY	<b>Surface Owner-APD</b>			
<b>Well Name</b>	HANCOCK 16-20-4-1	<b>Unit</b>			
<b>Field</b>	MONUMENT BUTTE	<b>Type of Work</b>			
<b>Location</b>	SESE 20 4S 1W U 203 FSL 848 FEL	GPS Coord (UTM) 584097E 4440654N			

### Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 500'. A search of Division of Water Rights records shows 12 water wells within a 10,000 foot radius of the proposed location. All wells are privately owned. Four of these wells are within 1 mile from the proposed location. Depth is listed for only 1 well and is shown as 24 feet in depth. Water use is listed as irrigation, stock watering, and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to cover the estimated base of the moderately saline ground water.

Brad Hill  
APD Evaluator

4/1/2008  
Date / Time

### Surface Statement of Basis

The proposed location is approximately 9 road miles southwest of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. One hundred and eighty feet of new construction across Henderson's private land will be required to reach the location.

The proposed Hancock 16-20-4-1 oil well location is in Pleasant Valley on private non-irrigated waste type land separating agricultural fields and a nearby feedlot. The well hole location and about  $\frac{3}{4}$  of the pad is on a greasewood-covered area with a slight rise. The north side of the location from corner 2 to corner 8 extends to near a small meandering drainage with a small flow of seasonal water. This drainage flows to the east and should not be infringed upon. The east portion of the pad will be on a salt-grass meadow. The water table in the whole area is close to the surface. Rocky fill will be required to elevate and reinforce the natural surface at least where the drill rig will be located. Spot sections of fill will also be required for the access road.

Tommie Henderson owns the surface of the location and participated in the site evaluation. A surface use agreement has been signed. Mr. Henderson requested that a cultural resource survey be completed. Kim Swasey said this would be done. Culverts and fill will be needed on the road, which accesses this, and the nearby Ute Tribal 15-20-4-1 proposed well.

The reserve pit will be 40' x 80' x 8' deep located in an area of cut on the southeast side of the location. A pit liner is required. Newfield commonly uses a 16 mil liner.

Floyd Bartlett  
Onsite Evaluator

3/25/2008  
Date / Time

---

# Application for Permit to Drill

## Statement of Basis

Utah Division of Oil, Gas and Mining

4/1/2008

Page 2

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

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** HANCOCK 16-20-4-1  
**API Number** 43-013-33914-0      **APD No** 709      **Field/Unit** MONUMENT BUTTE  
**Location:** 1/4,1/4 SESE      **Sec** 20      **Tw** 4S      **Rng** 1W      203 FSL 848 FEL  
**GPS Coord (UTM)**      **Surface Owner**

### Participants

Floyd Bartlett (DOGM), Kim Swasey and Kevan Stevens (Newfield) Tommie Henderson (Surface Owner).

### Regional/Local Setting & Topography

The proposed location is approximately 9 road miles southwest of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. One hundred and eighty feet of new construction across Henderson's private land will be required to reach the location.

The proposed Hancock 16-20-4-1 oil well location is in Pleasant Valley on private non-irrigated waste type land separating agricultural fields and a nearby feedlot. The well hole location and about 3/4 of the pad is on a greasewood-covered area with a slight rise. The north side of the location from corner 2 to corner 8 extends to near a small meandering drainage with a small flow of seasonal water. This drainage flows to the east and should not be infringed upon. The east portion of the pad will be on a salt-grass meadow. The water table in the whole area is close to the surface. Rocky fill will be required to elevate and reinforce the natural surface at least where the drill rig will be located. Spot sections of fill will also be required for the access road.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.01	Width 199      Length 290	Onsite	UNTA

**Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

#### **Affected Floodplains and/or Wetland** Y

Area has a high water table but is not a jurisdictional wetland controlled by the Army Corps of Engineers.

#### **Flora / Fauna**

Vegetation is a salt desert shrub type consisting of mostly of greasewood and salt grass. Some tamarack, rabbit brush and sporobolous is present. Alkali is prevalent at the surface as the results of a high water table.

Cattle, deer, prairie dogs, small mammals and birds.

**Soil Type and Characteristics**

Moderately deep gravely sandy clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** Y

Rocky fill will be required to elevate and reinforce the natural surface at least where the drill rig will be located. Spot sections of fill will also be required for the access road.

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	<25 or recharge area	20
<b>Distance to Surface Water (feet)</b>	<100	20
<b>Dist. Nearest Municipal Well (ft)</b>	1320 to 5280	5
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 70 1 **Sensitivity Level**

**Characteristics / Requirements**

The reserve pit will be 40' x 80' x 8' deep located in an area of cut on the southeast side of the location. A pit liner is required. Newfield commonly uses a 16 mil liner.

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

**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

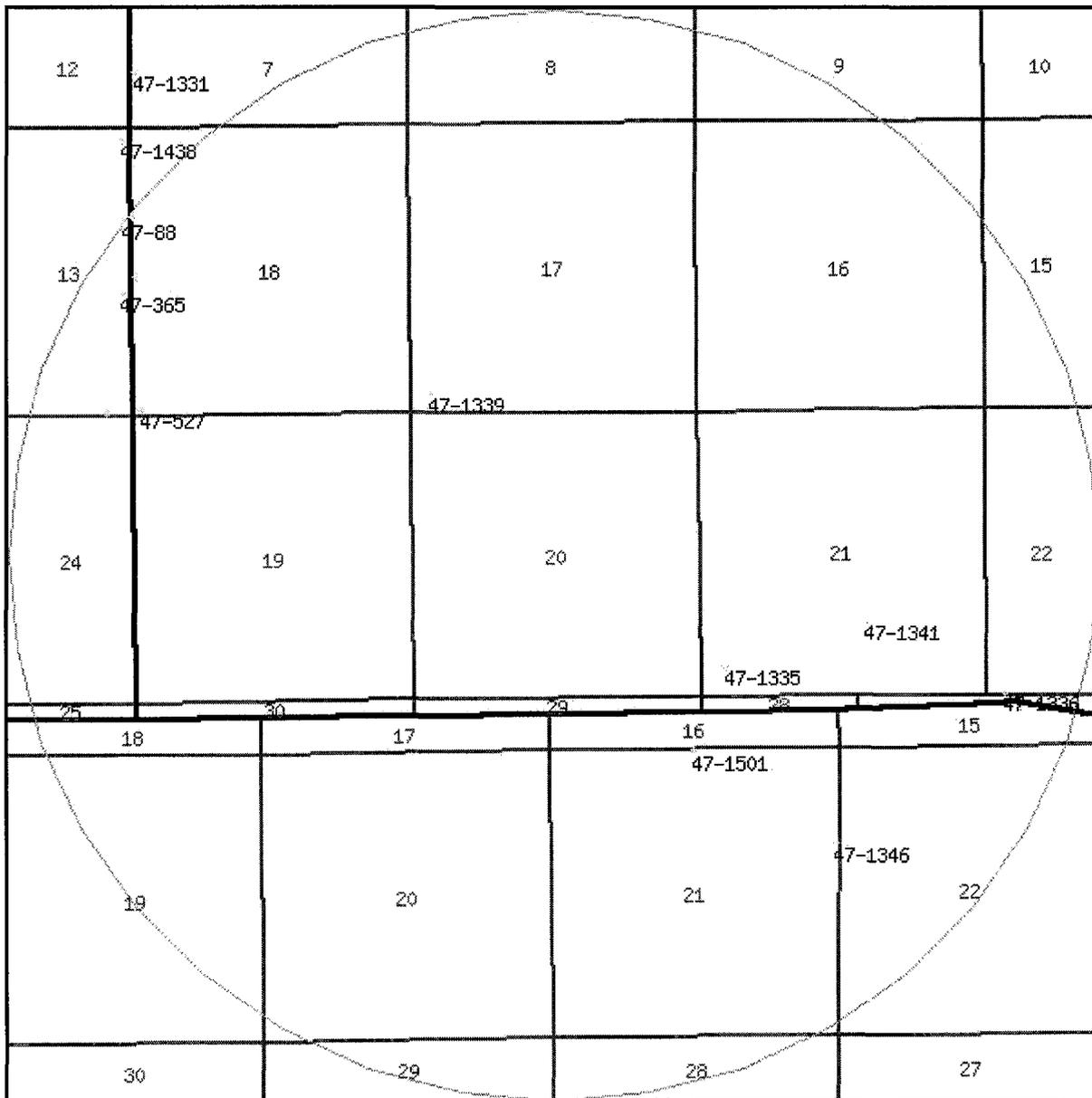
3/25/2008  
**Date / Time**

# Utah Division of Water Rights

## WRPLAT Program Output Listing

Version: 2007.04.13.01      Rundate: 04/01/2008 01:48 PM

Radius search of 10000 feet from a point S2640 E2640 from the NW corner, section 20, Township 4S, Range 1W, US b&m Criteria:wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



0   1300   2600   3900   5200 ft

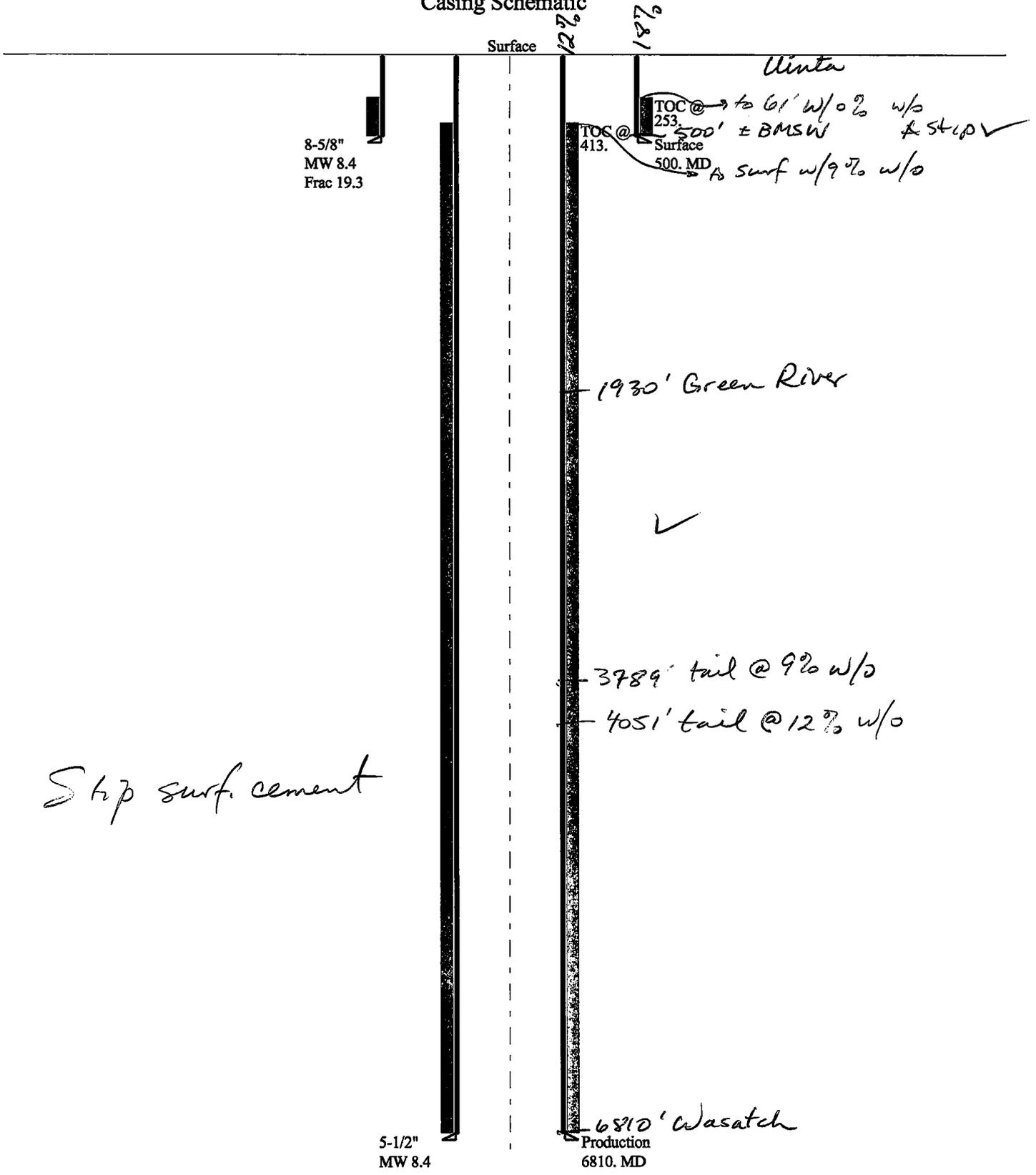
## Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner
<u>47-1331</u>	Underground N1030 E100 SW 07 4S 1W US		P	19481202	DS	0.015	0.000	RUDOLPH J. MA 7504 WATERLOO
<u>47-1334</u>	Underground N120 E150 SW 18 4S 1W US		P	19450306	DS	0.015	0.000	MARVIN L. ROS MYTON UT 8405
<u>47-1335</u>	Underground S2050 E470 W4 21 4S 1W US		P	19470807	D	0.015	0.000	HOWARD D. RO MYTON UT 8405
<u>47-1336</u>	Underground N80 E340 SW 22 4S 1W US		P	19470310	D	0.015	0.000	ANDREW M. JO MYTON UT 8405
<u>47-1337</u>	Underground S90 E100 W4 18 4S 1W US		P	19471218	DIS	0.011	0.000	SCOTT ERWIN / KAE HARVEY RT 3 BOX 3710
<u>47-1338</u>	Underground S1600 E75 NW 18 4S 1W US		P	19510302	DIS	0.015	0.000	LDS CHURCH ATTN: NATURA SERVICES
<u>47-1339</u>	Underground N375 E347 SW 17 4S 1W US		P	19510303	DIS	0.015	0.000	KEN HIGLEY MYTON UT 8405
<u>47-1341</u>	Underground N1350 W2230 SE 21 4S 1W US		P	19511018	DS	0.015	0.000	DEAN D. ROBE 68 EAST 400 NO
<u>47-1346</u>	Underground S1730 W100 NE 21 8S 17E SL		P	19550318	D	0.015	0.000	LOUIS CLARK F MYTON UT
<u>47-1438</u>	Underground S200 W130 NE 13 4S 2W US		P	19330000	DIS	0.015	0.000	RUDOLPH J. MA 7504 WATERLOO
<u>47-1501</u>	Underground S50 W50 N4 21 8S 17E SL		P	19630905	DIS	0.015	0.000	CLARK AND AR MYTON UT 8405
<u>47-255</u>	Underground N60 W470 SE 13 4S 2W US		P	19490711	DIS	0.015	0.000	NATHAN D. ALI MYTON UT 8405
<u>47-365</u>	Underground S375 W160 E4 13 4S 2W	<u>well info</u>	P	19630105	S	0.015	0.000	SCOTT ERWIN / KAE HARVEY

<u>47-527</u>	US Underground N125 E155 SW 18 4S 1W US	P	19660908 DIS 0.015 0.000	RT. 3 BOX 3710 MARVIN L. ROS MYTON UT 8404
<u>47-88</u>	US Underground N950 W140 E4 13 4S 2W US	P	19470120 DIS 0.015 0.000	MAURICE ERWI ROUTE 3 BOX 3

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Casing Schematic



8-5/8"  
MW 8.4  
Frac 19.3

Surface

12 7/8

18 7/8

Uinta

TOC @ 253. Surface 500. MD  
to 61' w/o w/o  
500' ± BMSW  
A surf w/o w/o  
A stop ✓

1930' Green River

✓

3789' tail @ 9% w/o

4051' tail @ 12% w/o

Stop surf. cement

5-1/2"  
MW 8.4

6810' Wasatch  
Production  
6810. MD

Well name:

**2008-04 Newfield Hancock 16-20-4-1**Operator: **Newfield Production Company**String type: **Surface**

Project ID:

43-013-33914

Location: **Duchesne County****Design parameters:****Collapse**Mud weight: 8.400 ppg  
Design is based on evacuated pipe.**Burst**Max anticipated surface  
pressure: 440 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 500 psi

No backup mud specified.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)Tension is based on buoyed weight.  
Neutral point: 437 ft**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 82 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

Cement top: 253 ft

**Non-directional string.****Re subsequent strings:**Next setting depth: 6,810 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,972 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 500 ft  
Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	500	8.625	24.00	J-55	ST&C	500	500	7.972	178.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	1370	6.279	500	2950	5.90	10	244	23.27 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & MineralsPhone: 801-538-5357  
FAX: 801-359-3940Date: June 26, 2008  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:

**2008-04 Newfield Hancock 16-20-4-1**Operator: **Newfield Production Company**

String type: Production

Project ID:

43-013-33914

Location: Duchesne County

**Design parameters:****Collapse**Mud weight: 8.400 ppg  
Design is based on evacuated pipe.**Burst**Max anticipated surface  
pressure: 1,473 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,972 psi

No backup mud specified.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

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

Tension is based on buoyed weight.

Neutral point: 5,945 ft

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 170 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: 413 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	6810	5.5	15.50	J-55	LT&C	6810	6810	4.825	910.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2972	4040	1.360	2972	4810	1.62	92	217	2.36 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & MineralsPhone: 801-538-5357  
FAX: 801-359-3940Date: April 4, 2008  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 6810 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

**BOPE REVIEW**

**Newfield Hancock 16-20-4-1 API 43-013-33914**

**INPUT**

Well Name	Newfield Hancock 16-20-4-1 API 43-013-33914		
	String 1	String 2	
Casing Size (")	8 5/8	5 1/2	
Setting Depth (TVD)	500	6810	
Previous Shoe Setting Depth (TVD)	0	500	
Max Mud Weight (ppg)	8.4	8.6	
BOPE Proposed (psi)	0	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	2949	8.3 ppg	✓

Calculations	String 1	8 5/8 "	
Max BHP [psi]	$.052 \times \text{Setting Depth} \times \text{MW} =$	218	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 \times \text{Setting Depth}) =$	158	NO
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 \times \text{Setting Depth}) =$	108	NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	108	← NO - Reasonable Depth - no expected pressures
Required Casing/BOPE Test Pressure		500 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0 psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	5 1/2 "	
Max BHP [psi]	$.052 \times \text{Setting Depth} \times \text{MW} =$	3045	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 \times \text{Setting Depth}) =$	2228	NO
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 \times \text{Setting Depth}) =$	1547	YES ✓
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	1657	← NO Known Area - Reasonable
Required Casing/BOPE Test Pressure		2000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		500 psi	*Assumes 1psi/ft frac gradient



April 2, 2008

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

RE: Exception Location  
**Hancock 16-20-4-1**  
T4S R1W, Section 20: SESE  
203' FSL 848' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to Rule 649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company ("NPC") hereby requests an exception location for the drilling of the captioned well. The proposed drillsite for this well is located 257' south of the drilling window required by Rule R649-3-2, which requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The attached plat depicts the proposed location and illustrates the deviation from the drilling window. The requested location has been chosen to accommodate the surface owner.

Please note the drillsite and all surrounding acreage within a four hundred sixty (460') foot radius is fee acreage and the leasehold is owned 100% by NPC.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

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

Roxann Eveland  
Land Associate

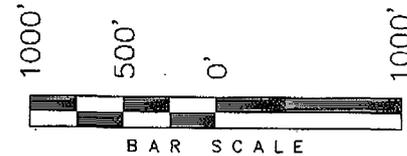
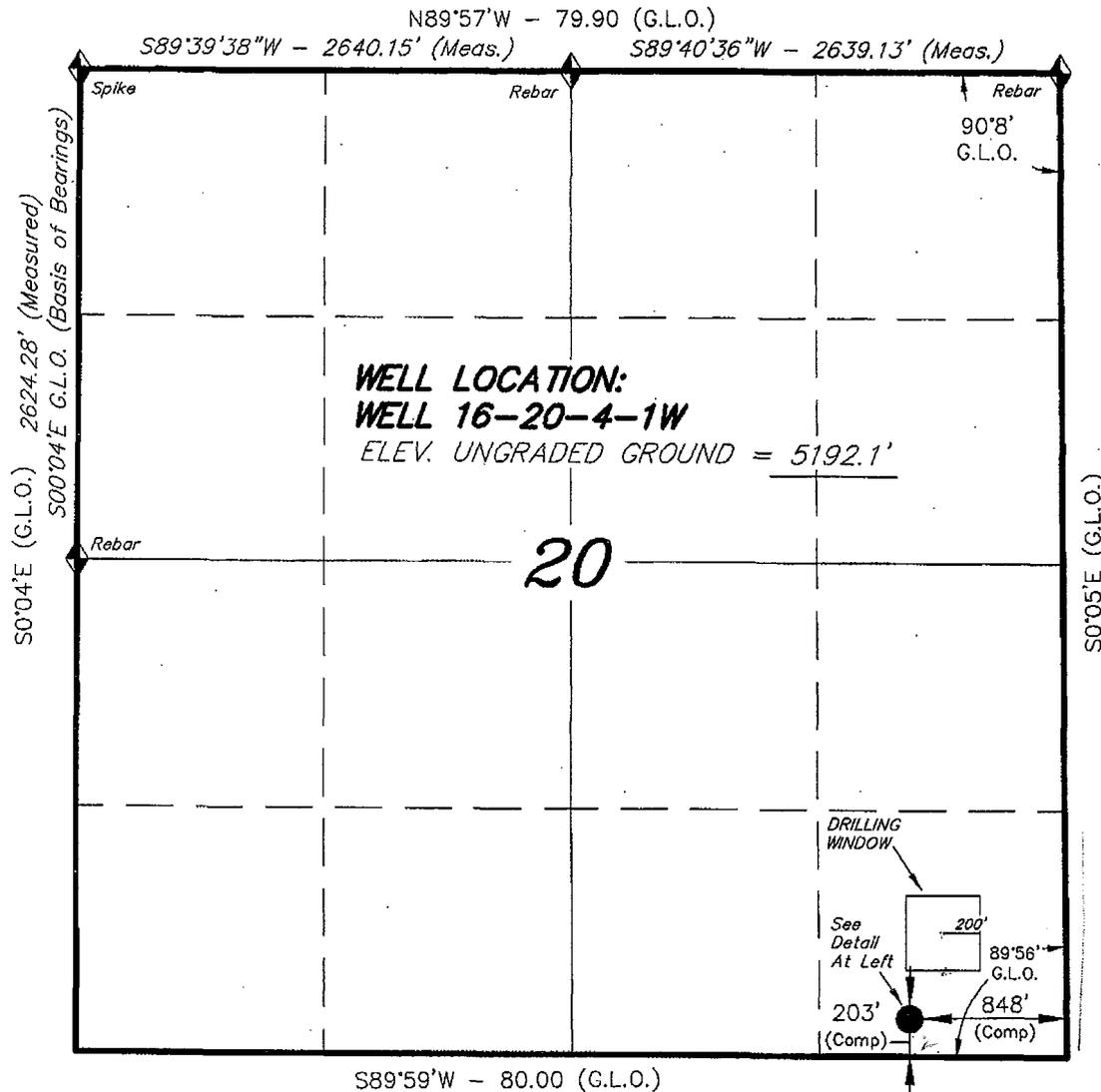
Attachment

**RECEIVED**  
**APR 07 2008**  
**DIV. OF OIL, GAS & MINING**

# T4S, R1W, U.S.B.&M.

# NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WELL 16-20-4-1W,  
 LOCATED AS SHOWN IN THE SE 1/4 SE  
 1/4 OF SECTION 20, T4S, R1W,  
 U.S.B.&M. DUCHESNE COUNTY, UTAH.



- Notes:**  
 1. The Proposed Well head bears  
 S61°36'06\"E 5097.32' from the  
 West 1/4 Corner of Section 20.

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

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

S89°59'W - 80.00 (G.L.O.)

## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 10-22-07	SURVEYED BY: C.M.
DATE DRAWN: 11-15-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

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

**WELL 16-20-4-1W**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 06' 49.88"  
 LONGITUDE = 110° 00' 49.71"

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.  
**FEE**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME  
**N/A**

9. WELL NO.  
**Hancock 16-20-4-1**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

11. QTR./QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SE/SE  
Sec. 20, T4S, R1W**

12. County  
**Duchesne**

13. STATE  
**UT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN**

1a. TYPE OF WORK **DRILL**  **DEEPEN**  **RE-ENTER**

1b. TYPE OF WELL

OIL  GAS  OTHER

SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
**Newfield Production Company**

3. ADDRESS AND TELEPHONE NUMBER:  
**Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721**

4. LOCATION OF WELL (FOOTAGE)  
At Surface, **SE/SE 203' FSL 848' FEL**  
At proposed Producing Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 8.8 miles southeast of Myton, UT**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE FT. (Also to nearest drig. unit line, if any) <b>Approx. 203' f/lease line and NA' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>NA</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>Approx. 40</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1570'</b>	19. PROPOSED DEPTH <b>6810'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5192' GL**

22. APPROX. DATE WORK WILL START\*  
**2nd Quarter 2008**

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
REG. AT				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

**SURFACE PIPE** - 155 sx Class G Cement +/- 10%, w/ 2% CaCl<sub>2</sub> & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H<sub>2</sub>O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H<sub>2</sub>O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 gal/sk

Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 2/25/2008

(This space for State use only)

APPROVAL: \_\_\_\_\_

**RECEIVED**  
**APR 07 2008**  
**DIV. OF OIL, GAS & MINING**

**Helen Sadik-Macdonald - Surface Casing**

---

**From:** "Kim Kettle"  
**To:**  
**Date:** 06/30/2008 8:54 AM  
**Subject:** Surface Casing

---

Hi Helen,

Newfield Exploration will set 500' of 8 5/8" surface casing on the following wells:

Hancock 16-20-4-1

Malnar 9-19-4-1

The surface casing will be extended due to the base of the moderately saline water.

Thank you for your help and information. Have a great day.

Kim Kettle

Newfield Production

Office: 435-646-4826

Cell: 435-823-1932



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

**Division of Oil, Gas and Mining**

JOHN R. BAZA  
Division Director

July 9, 2008

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

Re: Hancock 16-20-4-1 Well, 203' FSL, 848' FEL, SE SE, Sec. 20, T. 4 South, R. 1 West, Duchesne County, Utah

Gentlemen:

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

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33914.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor



Operator: Newfield Production Company  
Well Name & Number Hancock 16-20-4-1  
API Number: 43-013-33914  
Lease: Fee

Location: SE SE                      Sec. 20                      T. 4 South                      R. 1 West

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

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

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

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

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

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

- Dan Jarvis at:                      (801) 538-5338 office                      (801) 942-0871 home
- Carol Daniels at:                      (801) 538-5284 office
- Dustin Doucet at:                      (801) 538-5281 office                      (801) 733-0983 home

#### 3. Reporting Requirements

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

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2

43-013-33914

July 9, 2008

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

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: HANCOCK 16-20-4-1

Api No: 43-013-33914 Lease Type: FEE

Section 20 Township 04S Range 01W County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 26

### **SPUDDED:**

Date 09/03/08

Time 4:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by TROY ZUFEIT

Telephone # (435) 823-6013

Date 09/08/08 Signed CHD

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**

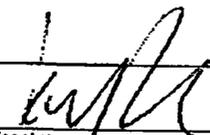
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
A	99999	17067	4301333770	FEDERAL 8-30-9-17	SENE	30	9S	17E	DUCHESNE	8/28/2008	9/22/08
WELL 1 COMMENTS: <b>GRRU</b>											
A	99999	17068	4304737656	GUSHER FED 6-24-6-20	SENW	24	6S	20E	UINTAH	8/29/2008	9/22/08
WELL 2 COMMENTS: <b>GRRU</b>											
A	99999	17069	4301333914	HANCOCK 16-20-4-1	SESE	20	4S	1W	DUCHESNE	9/3/2008	9/22/08
WELL 3 COMMENTS: <b>GRRU</b>											
A	99999	17070	4301333944	UTE TRIBAL 12-22-4-1	NWSW	22	4S	1W	DUCHESNE	9/3/2008	9/22/08
WELL 4 COMMENTS: <b>GRRU</b>											
B	99999	12308	4301333761	SANDWASH FED L-31-8-17	NESW	31	8S	17E	DUCHESNE	9/2/2008	9/22/08
WELL 5 COMMENTS: <b>GRRU</b> <b>BHL = NESE</b>											
WELL 6 COMMENTS:											

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

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

RECEIVED  
 SEP 04 2008

DIV. OF OIL, GAS & MINING

  
 Signature \_\_\_\_\_ **JENTRI PARK**  
 Production Clerk \_\_\_\_\_  
 Date **01/02/08**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
HANCOCK 16-20-4-1

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333914

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 20, T4S, R1W

STATE: UT

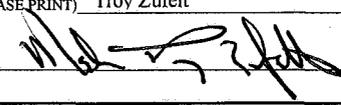
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input 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"/> SUBSEOUENT REPORT (Submit Original Form Only)  Date of Work Completion: 09/08/2008	<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: - Spud Notice
	<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.

On 9/3/2008 MIRU Ross # 26. Spud well @ 4:00pm. Drill 490' of 12 1/4" hole with air mist. TIH W/ 14 Jt's 8 5/8" J-55 24 # csgn. Set @ 489.95'KB On 9/6/2008 cement with 269 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 8 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Troy Zufelt TITLE Drilling Foreman

SIGNATURE  DATE 09/08/2008

(This space for State use only)

**RECEIVED**  
**SEP 24 2008**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 489.95

LAST CASING 8 5/8" set @ 489.95  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 490' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Hancock 16-20-4-1  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 26

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 40.90'					
		WHI - 92 csg head			8rd	A	0.95
14	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	478.1
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			479.95
TOTAL LENGTH OF STRING		479.95	14	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>489.95</b>
TOTAL		478.1	14	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		478.1	14				

TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	9/3/2008	4:00 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		9/5/2008	8:00 AM	Bbls CMT CIRC TO SURFACE <u>8</u>			
BEGIN CIRC		9/6/2008	12:55 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		9/6/2008	1:07 PM				
BEGIN DSPL. CMT		9/6/2008	1:25 PM	BUMPED PLUG TO <u>180</u> PSI			
PLUG DOWN		<b>9/6/2008</b>	<b>2:00 PM</b>				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	269	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					

CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 9/8/2008

**RECEIVED**  
**SEP 24 2008**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

Well name and number: Malner 9-19-4-1

API number: 43-013-33914

Well Location: SE/SE Section 20 Township 4S Range 1W County Duchesne

Well Operator: Newfield Production Company

Address: RT. BOX 3630, Myton Utah, 84052

Phone: 435-646-3721

Drilling Contractor: Ross Rig # 26

Address: \_\_\_\_\_

Phone: 724-0215

Water encountered (attach additional pages as needed):

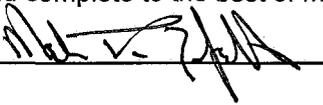
DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
6'	23'	Ground Water	Fresh

Formation Tops: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9/4/2008

Name & Signature: Troy Zufelt 

Time: 8:59AM

**RECEIVED**

**SEP 24 2008**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**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)

SESE Section 20 T4S R1W

5. Lease Serial No.

FEE

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

HANCOCK 16-20-4-1

9. API Well No.

4301333914

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 recompleation 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 10/04/08 MIRU Patterson 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 440'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6915'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 178 jt's of 5.5 J-55, 15.5# csgn. Set @ 6911.68' KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. The 475 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 0 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 6:00 AM on 10/12/08.

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

Jim Smith

Signature

Title

Drilling Foreman

Date

10/12/2008

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

Approved by

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

Title

Date

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 16 2008**  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

5 1/2" CASING SET @ 6911.68

LAST CASING: 8-5/8" SET @ 489.95  
 DATUM (KB) 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 DRILLER TD 6915 LOGGER TD \_\_\_\_\_  
 HOLE SIZE 7-7/8" TOP FLOAT COLLAR @ 6871.39  
 TOP SHORT JT @ 4778.97

OPERATOR: Newfield Production Company  
 WELL: Hancock 16-20-4-1  
 FIELD/PROSPECT: Monument Butte  
 CONTRACTOR & RIG #: Patterson 155

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Landing Jt	15.5#	J-55	8rd	A	14
177	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	6859.39
1	5 1/2"	FLOAT COLLAR	-	-	-	A	0.6
1	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	39.04
1	5 1/2"	GUIDE SHOE					0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6913.68	178
LESS NON CSG. ITEMS	15.25	-
PLUS FULL JTS. LEFT OUT	156.31	4
TOTAL	7054.74	182
TOTAL CSG. DEL. (W/O THRDS)	7054.74	182

TOTAL LENGTH OF STRING 6913.68  
 (-) LANDING JT 14  
 (-) AMOUNT CUTOFF 0  
 (+) KB ELEVATION 12  
 CASING SET DEPTH **6911.68**

COMPARE (SHOULD BE EQUAL)

CEMENT DATA	TIME	DATE
BEGIN RUN CSG.	6:30 PM	10/11/2008
CSG. IN HOLE	12:00 AM	10/12/2008
BEGIN CIRC	12:15 AM	10/12/2008
BEGIN PUMP CMT	2:10 AM	10/12/2008
BEGIN DSPL. CMT	3:05 AM	10/12/2008
PLUG DOWN	3:45 AM	10/12/2008

GOOD CIRC THRU JOB: y  
 Bbls CMT CIRC TO SURFACE: 0  
 RECIPROCATED PIPE: No  
 DID BACK PRES. VALVE HOLD ? y  
 BUMPED PLUG TO: 2500 PSI

CEMENT USED		
CEMENT COMPANY:	BJ	
STAGE	# SX	CEMENT TYPE & ADDITIVES
1 (lead)	350	Premium Lite II cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 5 lbs/sack CSE-2 + 204.7% Fresh Water
2 (tail)	475	(50:50) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 54.7% Fresh Water
CENTRALIZER & SCRATCHER PLACEMENT (SHOW MAKE & SPACING)		
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Jim Smith

DATE 10/12/2008

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. Reserv.,  
 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 <sup>203</sup> 2031' FSL & 848' FEL (SE/SE) SEC. 20, T4S, R1W

At top prod. interval reported below

At total depth 6915'

14. Date Spudded 10/04/2008  
 15. Date T.D. Reached 10/10/2008  
 16. Date Completed 11/06/2008  
 D & A  Ready to Prod.

18. Total Depth: MD 6915' TVD  
 19. Plug Back T.D.: MD 6871' TVD  
 20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		490'		160 CLASS G		350'	
7-7/8"	5-1/2" J-55	15.5#		6912'		350 PRIMLITE			
						475 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6429'	TA @ 6333'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			(CP2) (CP1)(CP.5)see belo	.49"	4	144
B) Green River			(A1) 5880-86'	.49"	4	24
C) Green River			(D2) see below	.49"	4	88
D) Green River			PB10) 5094-5100'	.49"	4	24

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

Depth Interval	Amount and Type of Material
6248-6360'	Frac w/ 85039# of 20/40 snd 683 bbls fluid
5880-5886'	Frac w/ 24689# 20/40 snd 336 bbls fluid
5450-5496'	Frac w/ 59682# 20/40 snd 529 bbls fluid
5094-5100'	Frac w/ 24411# 20/40 snd 376 bbls fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/06/08	11/16/08	24	→	80	53	42			2-1/2" x 1-1/2" x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

28a. Production - Interval B

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

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

RECEIVED

DEC 04 2008

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4358' 4556'
				GARDEN GULCH 2 POINT 3	4682' 4956'
				X MRKR Y MRKR	5196' 5232'
				DOUGALS CREEK MRK BI CARBONATE MRK	5364' 5648'
				B LIMESTON MRK CASTLE PEAK	5732' 6232'
				BASAL CARBONATE TW	6645' 6769'
				TOTAL DEPTH (LOGGERS)	6925'

32. Additional remarks (include plugging procedure):

(CP2) 6352-60' (CP1) 6282-6304' (CP.5) 6248-54'  
 (D2) 5492-96', 5466-76', 5450-58'  
 (PB7) 4982-5002' 4982-5002' 4/80 Frac w/ 63498#'s of 20/40 sand in 521 bbls of fluid.

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

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

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

Name (please print) Tammi Lee      Title Production Clerk  
 Signature *Tammi Lee*      Date 11/26/2008

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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> HANCOCK 16-20-4-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013339140000
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 382-4443 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0203 FSL 0848 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 20 Township: 04.0S Range: 01.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<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: 1/13/2011	<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 checked="" 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 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 Production Company would like to request the approval to open additional pay in the Wasatch sand in the subject well in a single stage. The target intervals are [6836-6842] and [6819-6825] in the Wasatch sand. Please see attachment for detailed procedure and well bore diagram and contact Paul Weddle at 303-383-4117 with any questions.

**REQUEST DENIED**  
**Utah Division of**  
**Oil, Gas and Mining**

Date: 02/23/2011  
 By: *Dark K. Quist*

<b>NAME (PLEASE PRINT)</b> Sam Styles	<b>PHONE NUMBER</b> 303 893-0102	<b>TITLE</b> Engineering Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/13/2011



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013339140000**

**Did not meet the requirements for completion into two or more pools as specified in rule R649-3-22.**

**Newfield Production Company**

**hancock 16-20-4-1W**

**Procedure for: OAP Wasatch. Tubing fracs**

**Well Status: See attached Wellbore Diagram**

**AFE #**

**Engineer: Paul Weddle** [pweddle@newfield.com](mailto:pweddle@newfield.com)  
mobile 720-233-1280  
office 303-383-4117

**PROCEDURE**

- 1 Blow down tbg. MIRU SU. Seat pump and pressure test tubing to 3,000 psi. POH, LD, and visually inspect rods and pump. ND wellhead. Strip-on and NU BOP. GIH and tag fill. Clean out to PBTD as necessary. TOOH visually inspecting 2-7/8" production tbg. Report any scale on production string (interval, depth, type) on morning report and verbally to Engineer
- 2 RU wireline unit. Make 4-3/4" gauge ring run to +/- **6,871**  
Only Run B&S if required. RIH and perforate the following interval w/ 3SPF 120deg phasing:
 

<b>Wasatch 6836-6842</b>	3spf	120deg phasing
<b>Wasatch 6819-6825</b>	3spf	120deg phasing
- 3 PU tandem RBP/PKR and TIH on 2-7/8" N80 8RD EUE workstring. Breakdown all new perforations with 5-10 bbls fresh water while TIH (skip to next step if only 1 treatment zone)  
Set RBP @ +/- **No need** and test to 4,000psi. PUH with packer to +/- **6,769**
- 4 RU frac equip. Frac the **Wasatch** down tubing w/**35,000#** 20/40sand at 15 BPM with max sand concentration of **4ppg** per BJ recommendation. **Include CLAYTREAT.**
- 5 Flowback well immediately @ 3-4 BPM until dead.
- 9 Release Packer and RBP. POOH laying down workstring, packer, and RBP.
- 9 Run tubing as pulled. RU swab equipment and swab well until returns are clean of sand. GIH tag fill and clean out as necessary.
- 10 Run PBGA, Place SN @ ± 6850 and set TAC at ±6818' with 15,000 lbs overpull. ND BOP's. NU wellhead.
- 11 PU and RIH with a 2-1/2" x 1-3/4" x 24' RHAC pump, 6 x 1-1/2" weight rods, 20 x 3/4" guided rods, 130 x 3/4" slick rods, 120 x 7/8" guided rods, Space out with pony rods as necessary.
- 12 PWOP and track results for one month.

# Hancock 16-20-4-1w

Spud Date: 10/4/2008  
 Put on Production: 11/6/2008  
 GL: 5192' KB: 5204'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 14 jts (478.1')  
 DEPTH LANDED: 489.95' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 8 bbls cmt to surf.

### PRODUCTION CASING

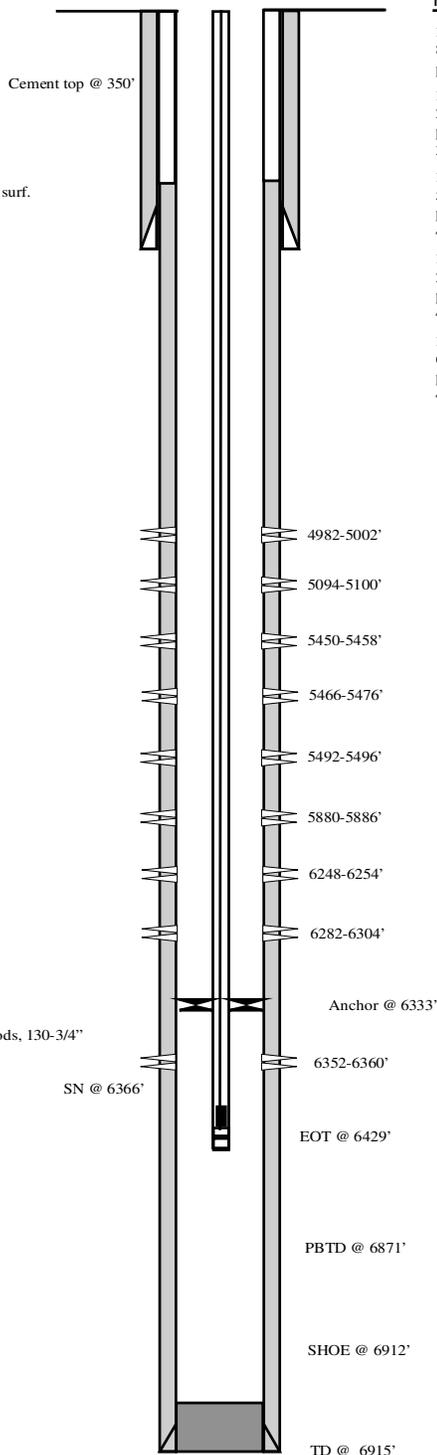
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 182 jts (6898.43')  
 DEPTH LANDED: 6911.68'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx prmlite and 475 sx 50/50 poz  
 CEMENT TOP AT: 350'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 205 jts (6320.85')  
 TUBING ANCHOR: 6332.85' KB  
 NO. OF JOINTS: 1 jt (30.92')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6366.47' KB  
 NO. OF JOINTS: 2 jts (60.63')  
 TOTAL STRING LENGTH: EOT @ 6428.65'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-2', 1-4', 1-8' x 7/8" ponys, 97-7/8" guided rods, 130-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" wt bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 20' CDI RHAC  
 STROKE LENGTH: 120"  
 PUMP SPEED, SPM: 5



### FRAC JOB

**10/28/08 6248-6360' Frac CP.5, 1 & 2 as follows:**  
 85,039# 20/40 sand in 683 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1638 psi @ ave rate of 22.4 BPM. ISIP 1920 psi.

**10/29/08 5880-5886' Frac A1 sds as follows:**  
 24,689# 20/40 sand in 336 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2718 psi @ ave rate of 22.1 BPM. ISIP 4200 psi. Actual flush: 3377 gals.

**10/29/08 5450-5496' Frac D2 sds as follows:**  
 59,682# 20/40 sand in 529 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1725 psi @ ave rate of 22.4 BPM. ISIP 2055 psi. Actual flush: 4943 gals.

**10/29/08 5094-5100' Frac PB10 sds as follows:**  
 24,411# 20/40 sand in 376 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2680 psi @ ave rate of 22.5 BPM. ISIP 2498 psi. Actual flush: 4586 gals.

**10/29/08 4982-5002' Frac PB7 sds as follows:**  
 63,498# 20/40 sand in 521 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2243 psi @ ave rate of 22.5 BPM. ISIP 2447 psi. Actual flush: 4914 gals.

### PERFORATION RECORD

Date	Interval	Tool	Holes
10/29/09	4982-5002'	4 JSPF	80 holes
10/29/09	5094-5100'	4 JSPF	24 holes
10/29/09	5450-5458'	4 JSPF	32 holes
10/29/09	5466-5476'	4 JSPF	40 holes
10/29/09	5492-5496'	4 JSPF	16 holes
10/29/09	5880-5886'	4 JSPF	24 holes
10/28/08	6248-6254'	4 JSPF	24 holes
10/28/08	6282-6304'	4 JSPF	88 holes
10/28/08	6352-6360'	4 JSPF	32 holes



### Hancock 16-20-4-1w

2031' FSL & 848' FEL  
 SE/SE Section 20-T4S-R1W  
 Duchesne Co, Utah  
 API # 43-013-33914 ; Lease # UTU-

TW 04/02/09



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 28, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0440

Mr. Kirby Carroll  
Newfield Production Company  
1001 17<sup>th</sup> Street, STE 2000  
Denver, CO 80202

43 013 33914  
Hancock 16-20-4-1  
20 AS LW

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Carroll:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2  
Newfield Production Company  
November 28, 2016

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

**All Submittals should be sent via ePermit**

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/DD/js

cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

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# ATTACHMENT A

	Well Name	API	LEASE	Years.Months Inactive
1	GMBU 2-16-9-18H	43-047-52013	ML-48378	4.4
2	Gulf State 36-13	43-047-31345	ML-22057	9.2
3	Moon 3-20-4-2	43-013-50007	Fee	3.5
4	S Mon Butte ST P-2-9-16	43-013-50118	ML-21839	3.6
5	State 3-16-9-18	43-047-35813	ML-48378	3.5
6	Wells Draw ST 7-36	43-013-30934	ML-21835	3.4
7	Prewitt 10-24	43-013-31865	Fee	3.2
8	W Draw ST N-32-8-16	43-013-34146	ML-45555	2.4
9	Wells Draw 2-32-8-16	43-013-32220	ML-21836	2.3
10	GMBU N-2-9-15	43-013-50910	ML-43538	2.2
11	GMBU M-2-9-15	43-013-50909	ML-43538	2.1
12	Moon 1-29-4-2	43-013-50006	Fee	2.0
13	Moon 1-20-4-2	43-013-50008	Fee	2.0
14	State 1-36-8-15	43-013-34234	ML-21835	2.5
15	Ashley ST 6-2-9-15	43-013-32584	ML-43538	1.10
16	Allen Trust 2-24	43-013-31944	Fee	1.9
17	Lamb 4-34-4-1E	43-047-40272	Fee	1.5
18	Wells Draw 4-32-8-16	43-013-32222	ML-21836	1.8
19	Greater Mon Butte T-36-8-16	43-013-50211	ML-22061	1.8
20	Williams #14-8-4-2	43-013-50617	Fee	1.8
21	Hancock 11-21-4-1	43-013-33242	Fee	1.5
22	Malnar 9-19-4-1	43-013-33913	Fee	1.2
→ 23	Hancock 16-20-4-1	43-013-33914	Fee	1.0
24	State 12-36-8-15	43-013-34224	ML-21835	2.1
25	State 4-36-8-15	43-013-34231	ML-21835	1.4
26	Roberts 4-19-4-1	43-013-50072	Fee	1.1
27	Mon Butte East K-36-8-16	43-013-50112	ML-22061	1.1
28	S Mon Butte ST N-2-9-16	43-013-50117	ML-21839	1.4
29	Wilcken 16-23-4-2	43-013-50304	Fee	1.0
30	Hancock 12-7-4-1W	43-013-50422	Fee	1.3
31	State 1-16-9-18	43-047-35811	ML-48378	1.6
32	Lamb 1-34-4-1E	43-047-40275	Fee	1.1



GARY R. HERBERT  
Governor

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Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 14, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0525

43 DIB 33914  
Hancock 16-20-4-1  
20 45 IW

Ms. Assiya Bekniyazova  
Newfield Production Company  
4 Waterway Square PL, STE 100  
The Woodlands, TX 77380

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Bekniyazova:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

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Page 2  
Newfield  
December 14, 2016

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Sincerely,



Dustin K. Doucet  
Petroleum Engineer

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