

**NEWFIELD**



July 6, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Hancock 11-21-4-1 and 15-21-4-1.

Dear Diana:

Enclosed find APD's on the above referenced wells. When these APD's are received, please contact Shon McKinnon to set up a State On-Site. The proposed locations are both FEE Surface and FEE Mineral. A Surface Agreement is not in place due to the uncooperation of the surface owners. I believe that our Land Department has already made contact with your agency regarding this matter. If you have any questions, please contact Kelly Donohue in our Denver office at (303) 893-0102. Both proposed locations are also Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in cursive script that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUL 10 2006

DIV. OF OIL, GAS & MINING

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**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN**

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

7. UNIT AGREEMENT NAME

**N/A**

1b. TYPE OF WELL

8. FARM OR LEASE NAME

**FEE**

**OIL**  **GAS**  **OTHER**  **SINGLE ZONE**  **MULTIPLE ZONE**

9. WELL NO.

**Hancock 11-21-4-1**

2. NAME OF OPERATOR

**Newfield Production Company**

10. FIELD AND POOL OR WILDCAT

**Undesignated**

3. ADDRESS AND TELEPHONE NUMBER:

**Route #3 Box 3630, Myton, UT 84052**

**Phone: (435) 646-3721**

4. LOCATION OF WELL (FOOTAGE)

At Surface **NE/SW 1700' FSL 1748 FWL 584881X 40.117965**  
At proposed Producing Zone **444116Y - 110.003928**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

**NE/SW  
Sec. 21, T4S, R1W**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**Approximately 9.0 miles southeast of Myton, UT**

12. County

**Duchesne**

13. STATE

**UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

**Approx. 380' f/lse line and NA' f/unit line**

16. NO. OF ACRES IN LEASE

**NA**

17. NO. OF ACRES ASSIGNED TO THIS WELL

**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

**NA**

19. PROPOSED DEPTH

**6835'**

20. ROTARY OR CABLE TOOLS

**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

**5159' GL**

22. APPROX. DATE WORK WILL START\*

**4th Quarter 2006**

**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'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	Volumes will be calculated off of Logs +/- 15%
				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% 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

24.

Name & Signature

*Mandie Crozier*  
**Mandie Crozier**

Title:

**Regulatory Specialist**

Date:

**7/6/2006**

(This space for State use only)

API Number Assigned:

**43013-33242**

APPROVAL:

**RECEIVED**

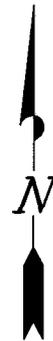
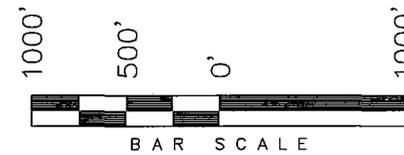
**JUL 10 2006**

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

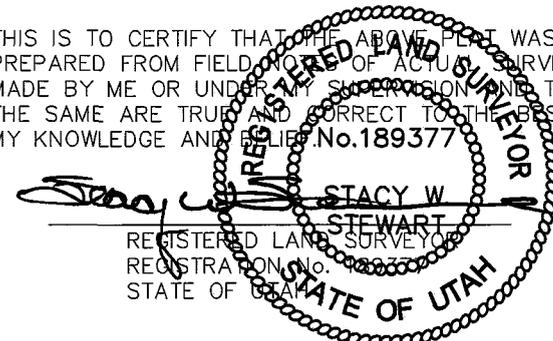
# T4S, R1W, U.S.M.

# NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 11-21-4-1, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 21, T4S, R1W, U.S.&M. DUCHESNE COUNTY, UTAH.



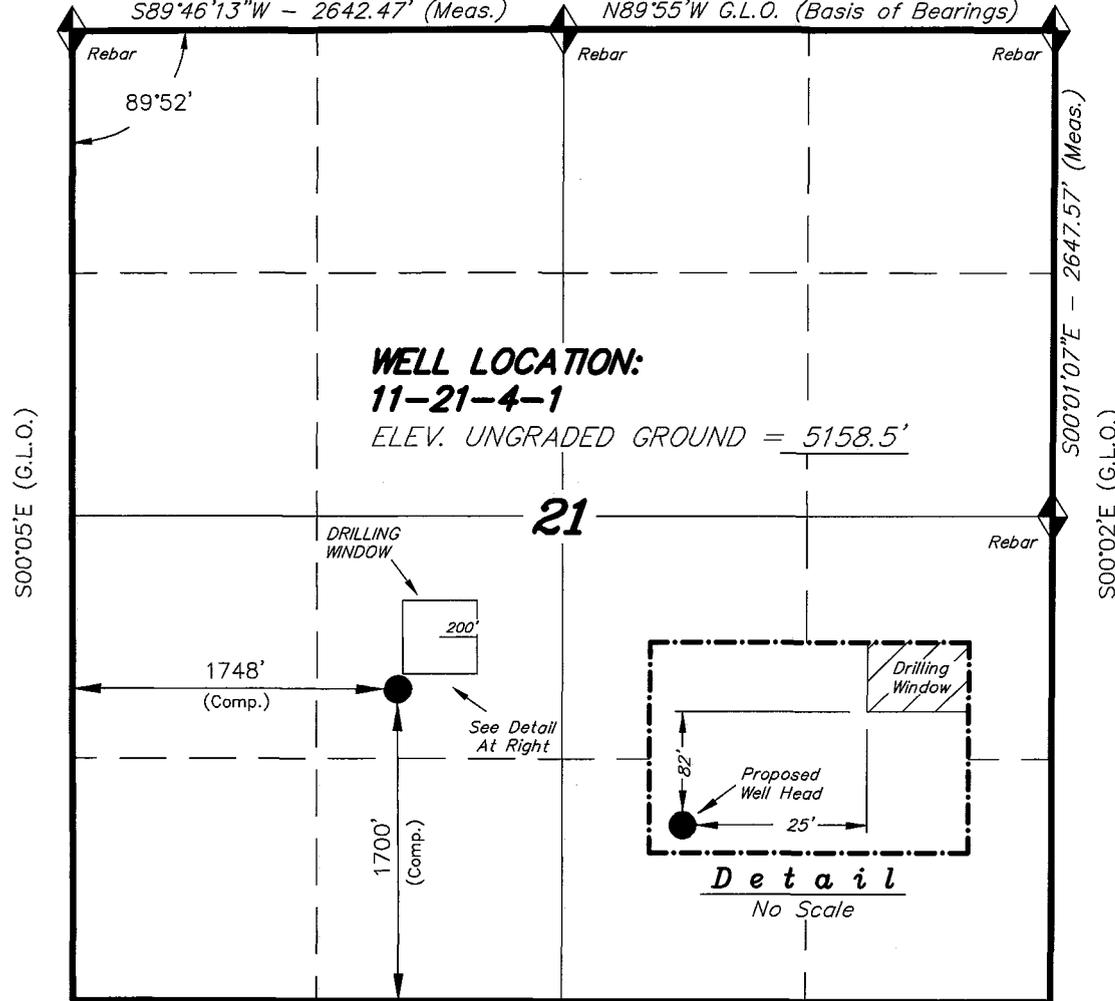
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 189377



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

DATE SURVEYED: 02-25-06	SURVEYED BY: D.P.
DATE DRAWN: 03-01-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

N89°55'W - 80.01 (G.L.O.) 2640.07' (Measured)  
S89°46'13"W - 2642.47' (Meas.) N89°55'W G.L.O. (Basis of Bearings)



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

11-21-4-1  
(Surface Location) NAD 83  
LATITUDE = 40° 07' 04.63"  
LONGITUDE = 110° 00' 16.49"

NEWFIELD PRODUCTION COMPANY  
HANCOCK 11-21-4-1  
NE/SW SECTION 21, 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 – 2835'
Green River	2835'
Wasatch	6835'

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

Green River Formation 2835' – 6835' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (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:**

The well will be drilled with air mist system to 3200', then from 3200' +/- to TD a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**AIR DRILLING**

In the event that the proposed location is to be "Air Drilled", Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

Surface – 3200'  
3200' – TD'

**MUD TYPE**

fresh water or air/mist system  
fresh water system

From surface to ± 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's preference. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. 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.

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 @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

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

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

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

It is anticipated that the drilling operations will commence the fourth quarter of 2006, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY  
HANCOCK 11-21-4-1  
NE/SW SECTION 21 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 11-21-4-1 located in the NE¼ SW¼ Section 21, T4S, R1W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah approximately 3.0 miles to it's junction with an existing road to the east; continue easterly and then southeasterly approximately 3.2 miles to it's junction with an existing road to the east; proceed easterly approximately 2.5 miles to it's junction with an existing road to the east; proceed easterly and then southeasterly approximately 2.8 miles to it's junction with the beginning of the access road; proceed in a northwesterly direction along the proposed access road approximately 500' 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 500' 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 Desert Tan. All facilities will be painted within six months of installation.

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

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

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 (20' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the cement cuttings removed from the wellbore.

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 or as to meet the land owners request. 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:** Gerald N. Andersen Family Trust

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 re-entry 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 Cultural Resource Survey for this proposed location is attached.**

**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 11-21-4-1, 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 11-21-4-1 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: Shon McKinnon  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production is considered to be the operator of well #11-21-4-1, NE/SW Section 21, 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 Resources, Inc. 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.

7/6/06  
Date \_\_\_\_\_

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATIONS' PROPOSED  
WELL LOCATIONS 11-21-4-1 AND 15-21-4-1  
(T4S R1W SEC. 21)  
DUCHESNE COUNTY, UTAH

by

Kiera Simms

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 06-307

June 30, 2006

United States Department of Interior (FLPMA)  
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-06-MQ-0905p

## INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants, Inc. (MOAC) in June 2006 for Newfield Explorations' proposed well locations 11-21-4-1 and 15-21-4-1. The project area occurs southeast of Myton in Duchesne County, Utah. The inventory was implemented at the request of Ms. Mandie Crozier of Newfield Exploration Company. A total of 80 acres was inventoried, all of which occur on private land.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the sample area in order to attain compliance with a number of federal and state mandates, including the National Historic Preservation Act of 1966 (as amended), the National Environmental 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 1992).

The fieldwork was performed on June 26, 2006 by Todd Seacat, under the direction of Keith Montgomery (Principal Investigator). The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 06-UT-60122 and State of Utah Antiquities Project (Survey) No. U-06-MQ-0905p.

A file search for previous projects and documented cultural resources was conducted by Keith Montgomery at the BLM Vernal Field Office on June 21, 2006. This consultation indicated that three archaeological projects have been conducted near the project area.

In 1995, Archeological-Environmental Research Corporation (AERC) conducted a survey of Balcron Units 12-24 and 23-24 in the Pariette Draw locality, resulting in the documentation of one archaeological site (42Un2237) which does not occur within the current project area (Hauck 1995). Montgomery Archaeological Consultants (MOAC) conducted an inventory in 2000 of the Humpback Unit gas and water pipelines for Inland Resources (Montgomery 2000). The survey resulted in the finding of no new cultural resources; however, four previously documented sites (42Un1881, 42Un2149, 42Un2237, and 42Un2346) were located. In 2002, MOAC completed a cultural resource inventory for Inland Resources of 696 acres in Pleasant Valley; which resulted in the documentation of nine new prehistoric sites (42Dc1480 through 42Dc1483, and 42Un3062 through 42Un3066), one new historic site (42Dc1484), and the recording of forty-four isolated finds of artifacts (IF-A through IF-AR) (Elkins and Montgomery 2002). In summary, numerous historic and prehistoric archaeological sites have been located, none of which occur in the current project area.

## DESCRIPTION OF PROJECT AREA

The project area is located in the Pleasant Valley area of the Uinta Basin. The legal description is Township 4 South, Range 1 West, Section 21 (Figure 1). A total of 80 acres was inventoried, all of which occur on private land.

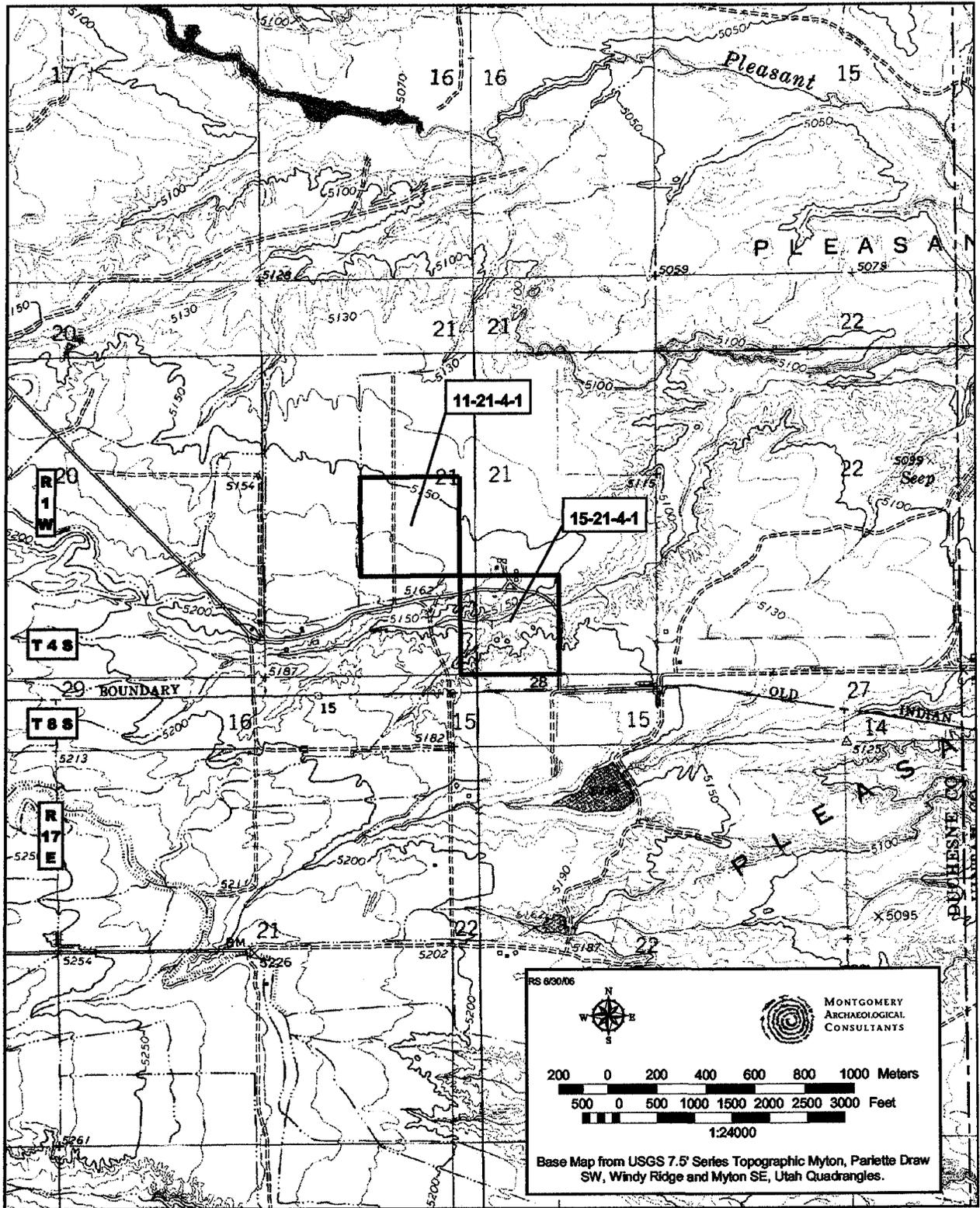


Figure 1. Inventory Area of Newfield Explorations' Proposed Well Locations Duchesene County, Utah.

## Environment

Topographically, this area consists of highly dissected sandstone and mudstone rock formations and broad sandy silt ridges (Stokes 1986). Recent alluvial deposits, older alluvial terrace deposits, and rock outcrops of the Upper Eocene Uinta Formation constitute the surface geology of the area. The Uinta Formation is seen as eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossil vertebrates, including turtles, crocodilians, fish, and mammals. The elevation ranges from 5030 to 5150 feet asl. Named water sources nearby include Pariette Draw, Castle Peak Draw, and Odekirk Spring. The project area lies within the Upper Sonoran life zone, dominated by a shadscale community intermixed with low sagebrush, mat saltbush, greasewood, rabbitbrush, snakeweed, prickly pear cactus, pincushion cactus, and grasses. A riparian zone exists along the washes, and includes cottonwood, Russian olive, and tamarisk. Modern disturbances to the landscape include well locations, access roads, pipelines, and livestock grazing.

## SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. The parcels were examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. A total of 80 acres was inventoried, all of which occur on private land.

## MANAGEMENT RECOMMENDATIONS

The inventory of Newfield Explorations' proposed well locations 11-21-4-1 and 15-21-4-1 resulted in the location of no new cultural resources. Based on these findings, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

## REFERENCES CITED

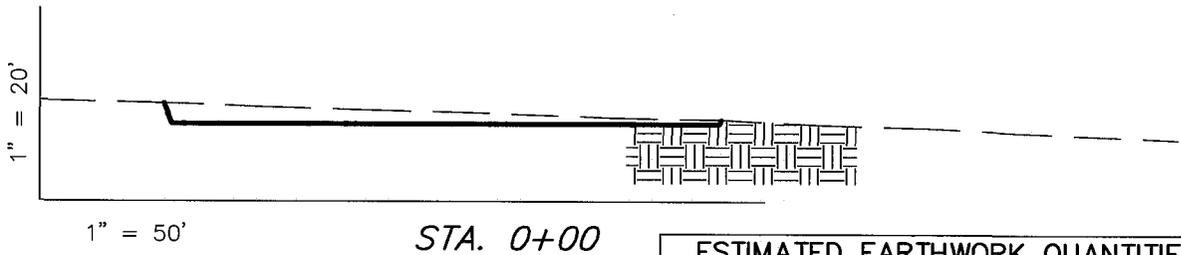
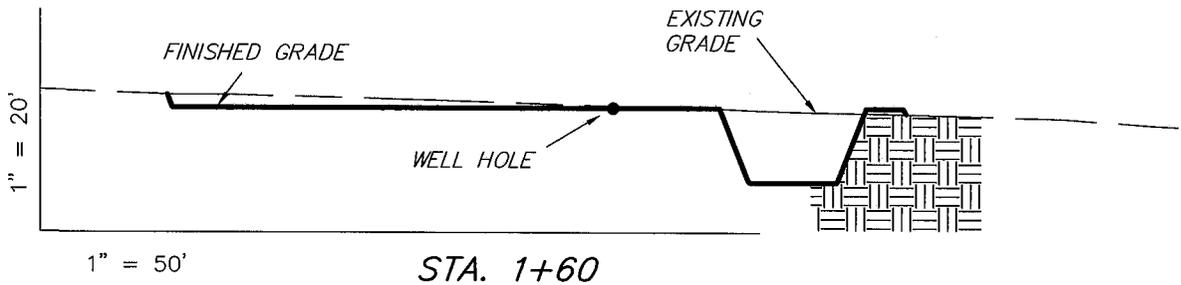
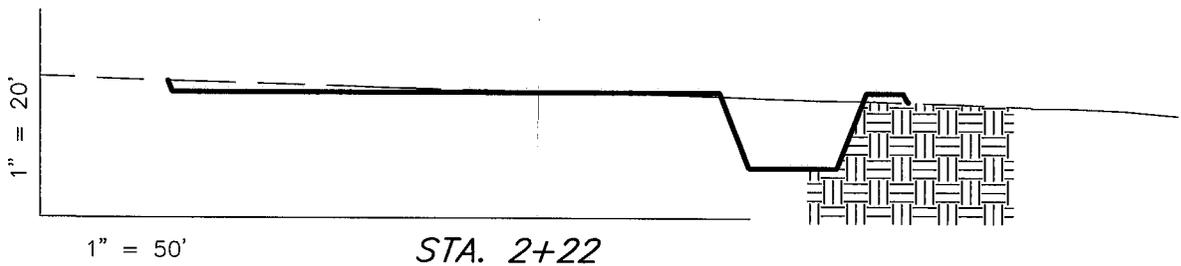
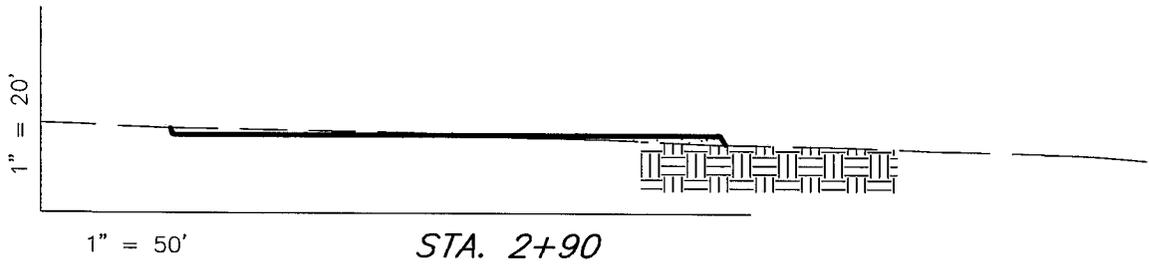
- Elkins, M. And Montgomery K.R.  
2002 Cultural Resource Inventory of Inland Resources 696-Acre Parcel in Pleasant Valley, Township 8S, Range 17E, Sections 23 and 24, Uintah and Duchesne Counties, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-02-MQ-0299b.
- Hauck, F.R  
1995 IMACS Site Form (site 42Un2237) Project No. UT-95-AF-306
- Montgomery, K.R.  
2000 Cultural Resource Inventory of Inland Resource's Humpback Unit Gas and Water Pipeline, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Project No. U-00-MQ-0217b.
- Stokes, W.L.  
1986 *Geology of Utah*. Utah Museum of Natural History, University of Utah, Salt Lake City.



# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

11-21-4-1



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	510	320	Topsoil is not included in Pad Cut	190
PIT	640	0		640
TOTALS	1,150	320	910	830

SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: M.W.

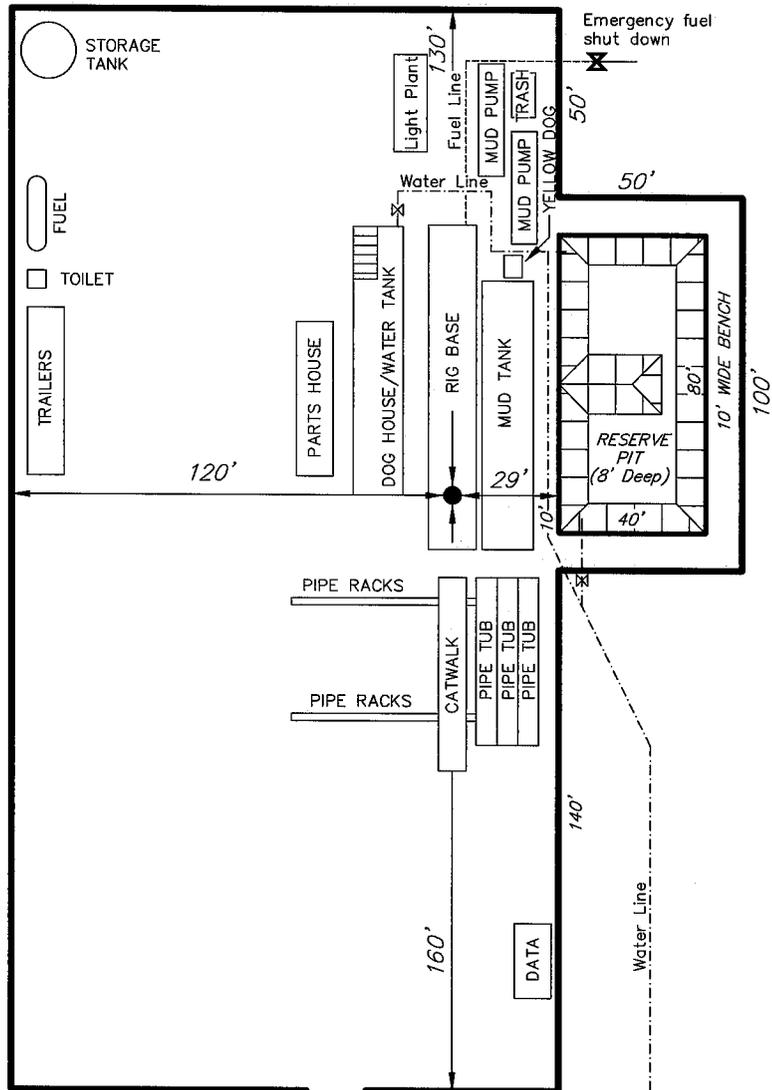
DATE: 3-15-06

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

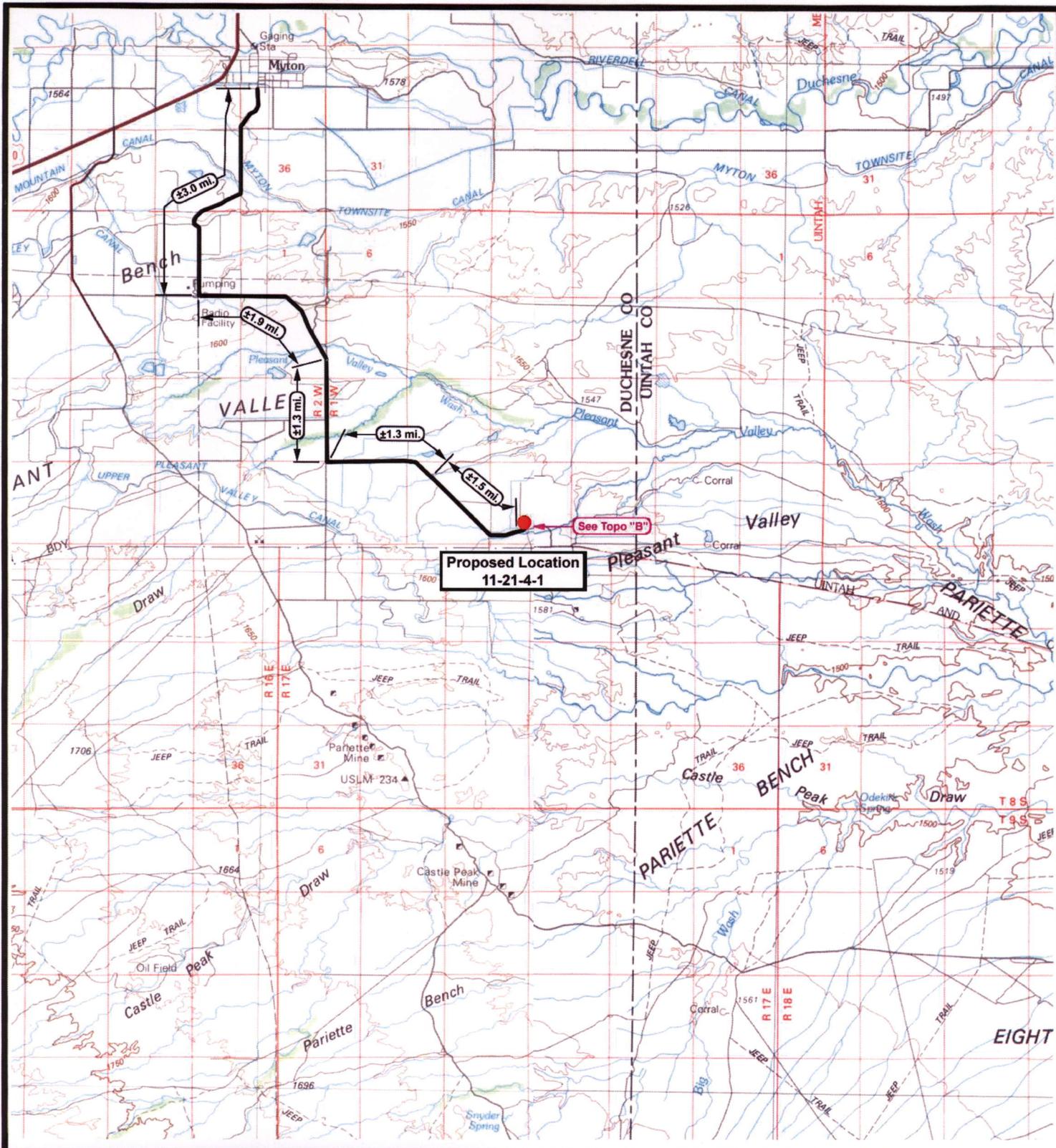
# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### 11-21-4-1



SURVEYED BY: D.P.	SCALE: 1" = 50'	<b>Tri State</b> Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: M.W.	DATE: 03-15-06	



**NEWFIELD**  
Exploration Company

**11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.M.**



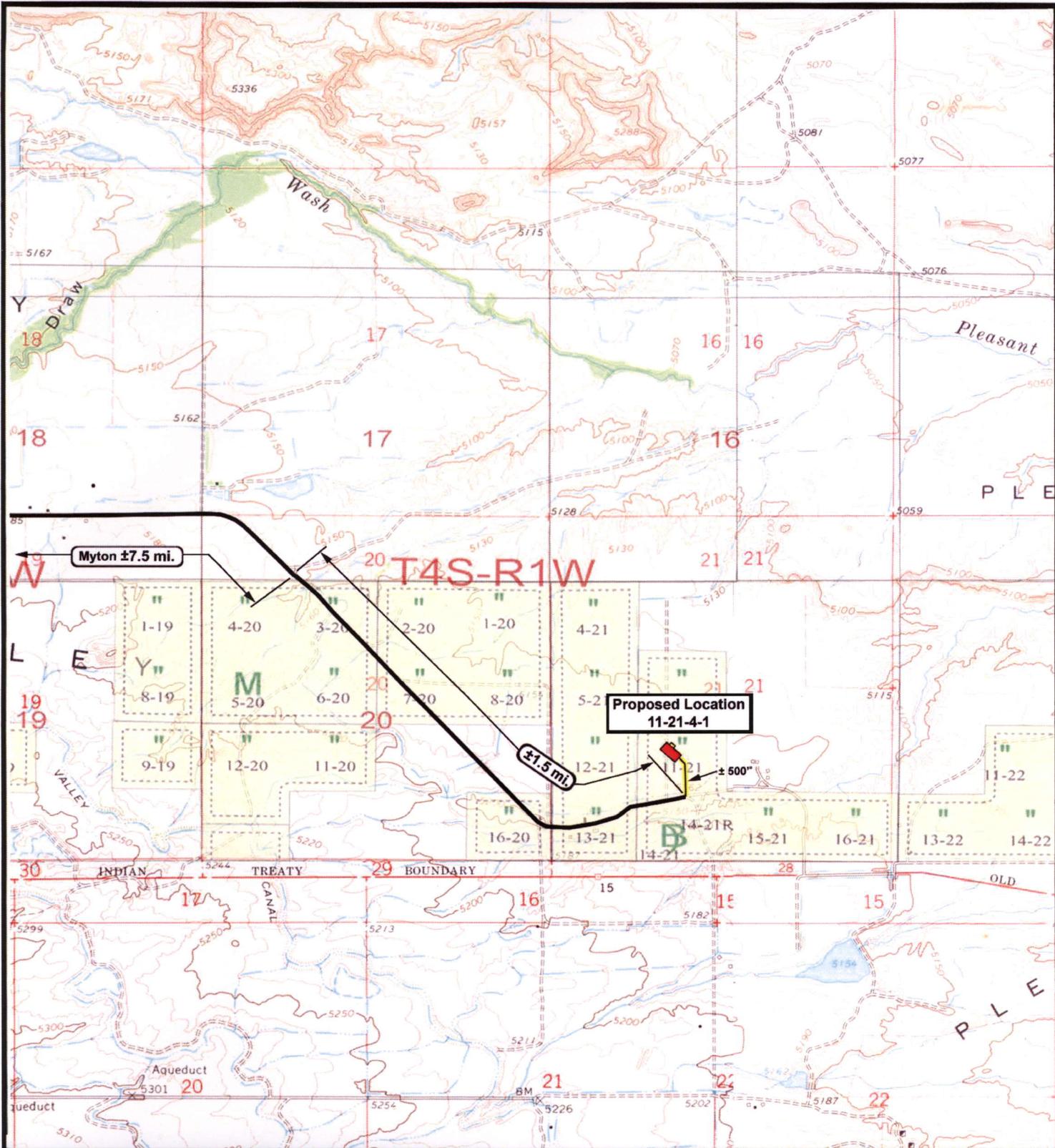
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mww  
DATE: 06-13-2006

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**



 **NEWFIELD**  
Exploration Company

**11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.M.**



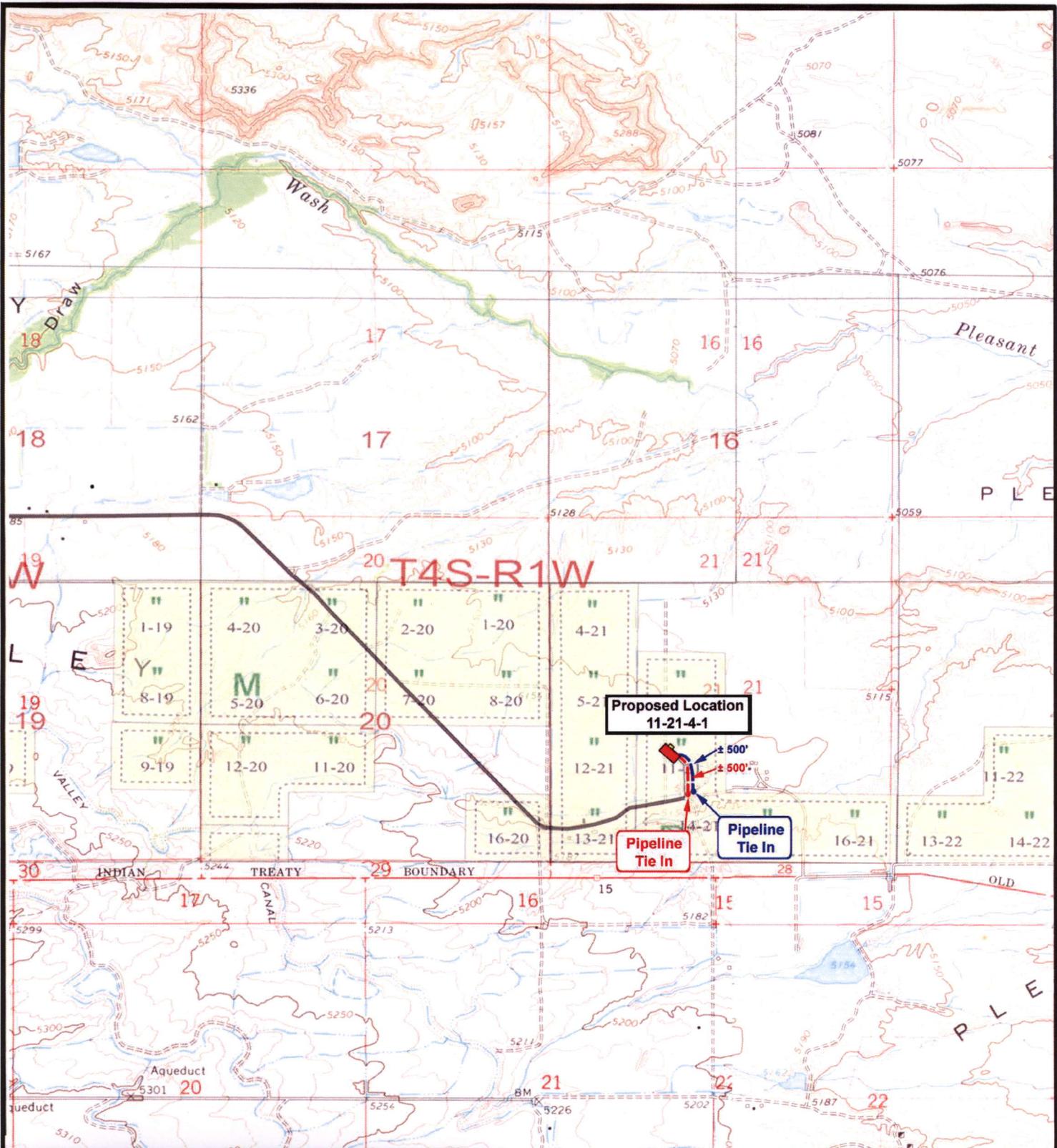
  
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 06-13-2006

**Legend**

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**NEWFIELD**  
Exploration Company

**11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.M.**



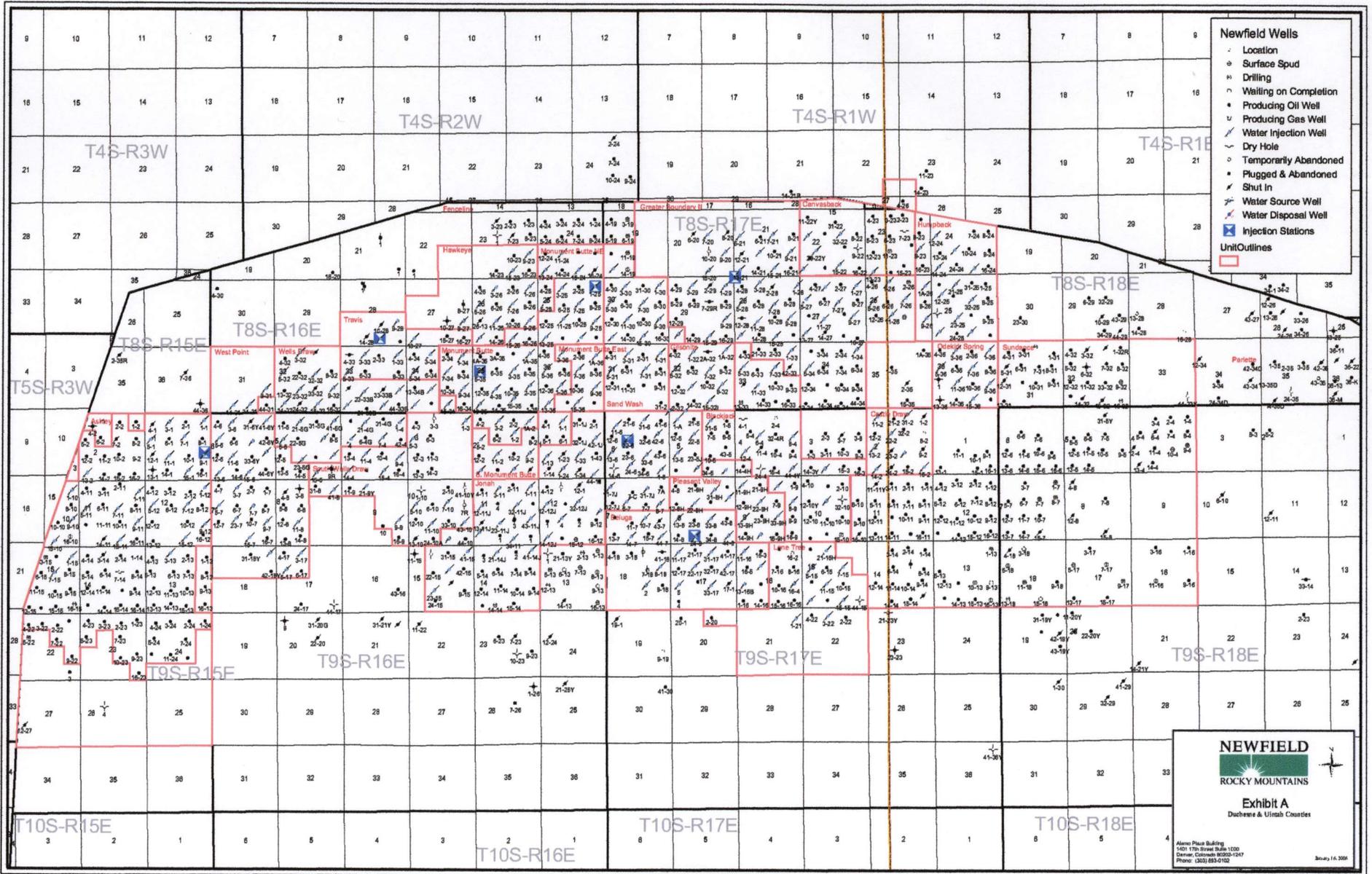
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

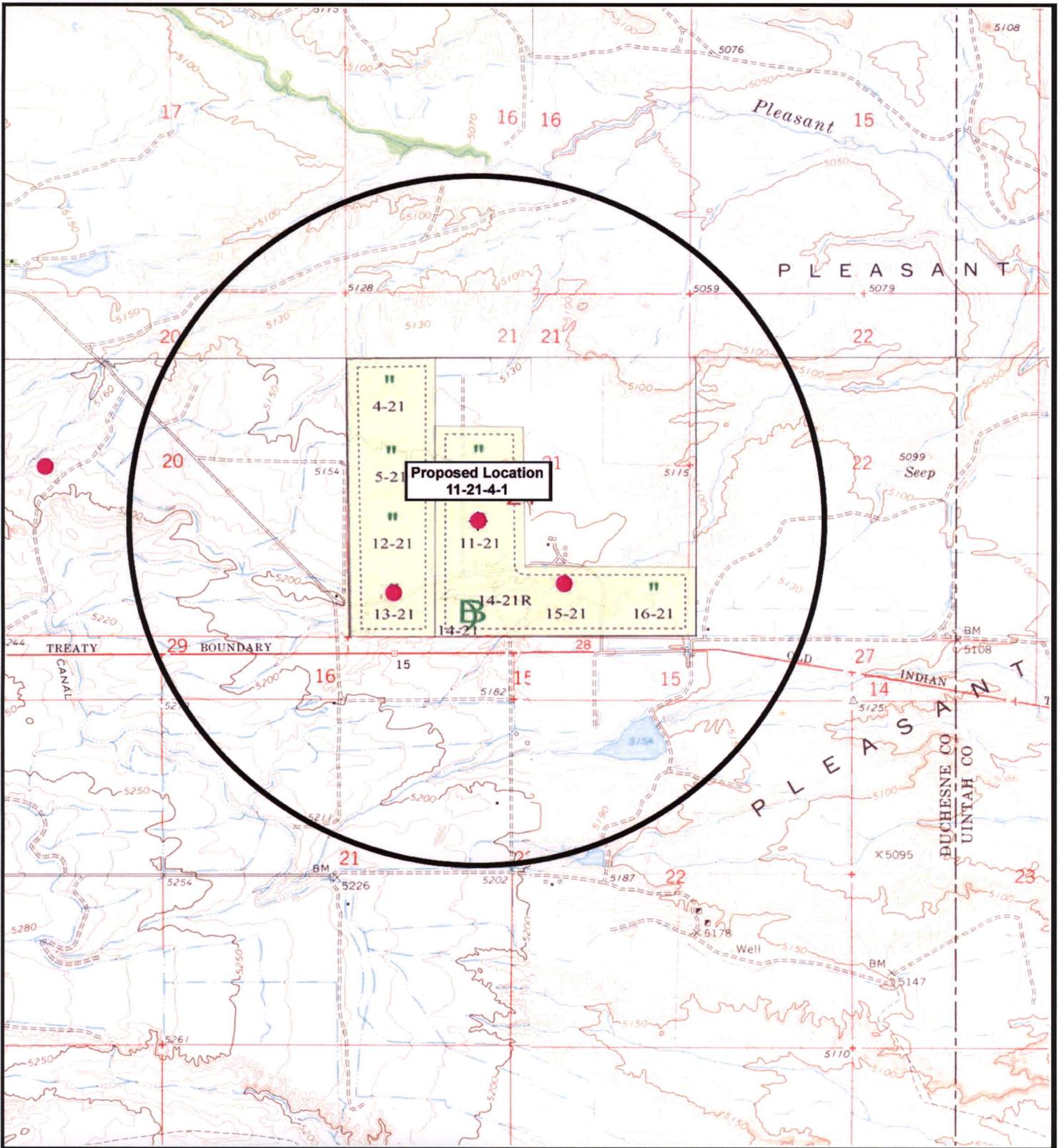
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 06-13-2006

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**





 **NEWFIELD**  
Exploration Company

**11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 06-13-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

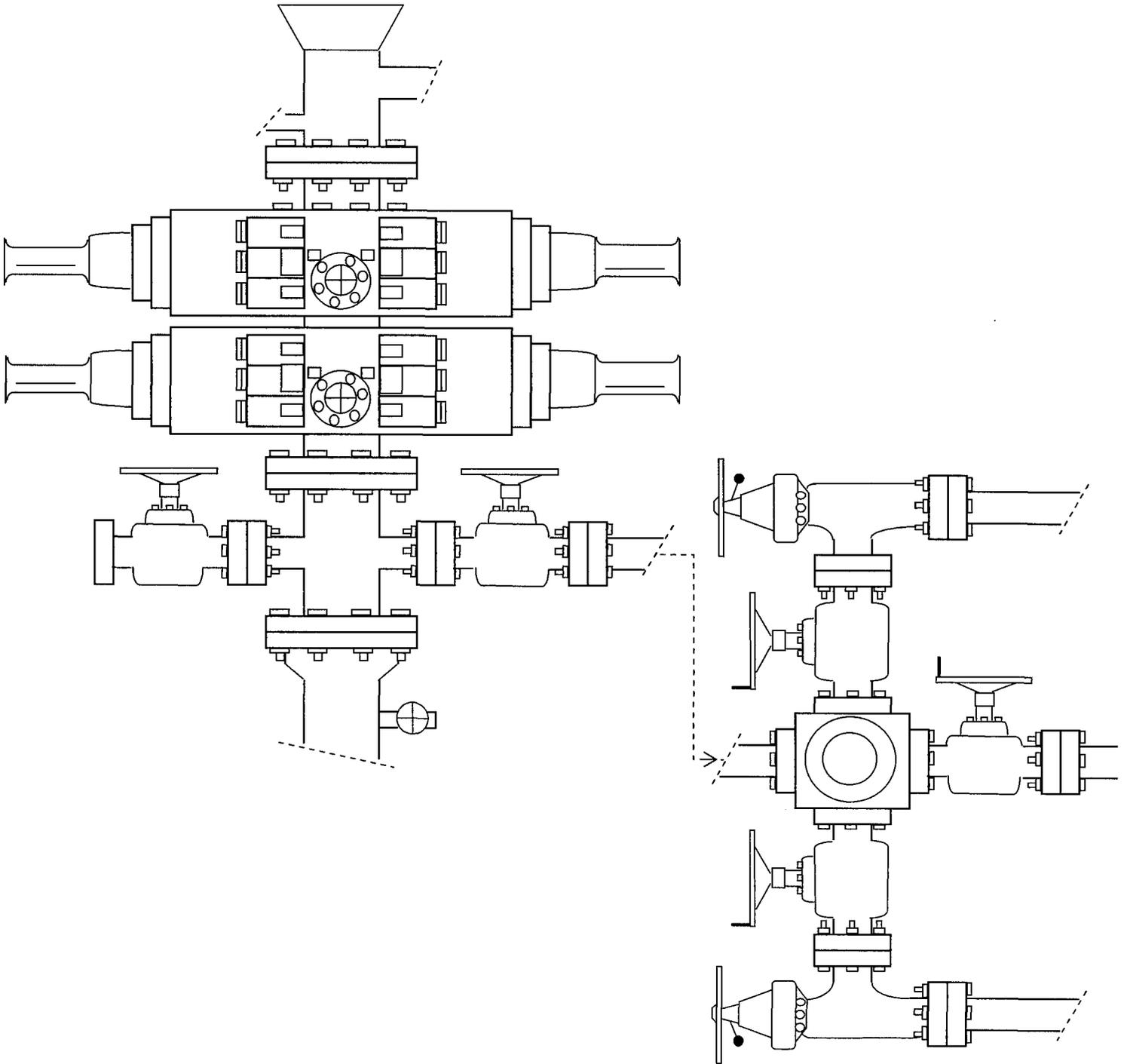


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATIONS' PROPOSED  
WELL LOCATIONS 11-21-4-1 AND 15-21-4-1  
(T4S R1W SEC. 21)  
DUCHESNE COUNTY, UTAH

by

Kiera Simms

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 06-307

June 30, 2006

United States Department of Interior (FLPMA)  
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-06-MQ-0905p

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/10/2006

API NO. ASSIGNED: 43-013-33242

WELL NAME: HANCOCK 11-21-4-1  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 21 040S 010W  
 SURFACE: 1590 FSL 1960 FWL  
 BOTTOM: 1590 FSL 1960 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.11797 LONGITUDE: -110.0039  
 UTM SURF EASTINGS: 584881 NORTHINGS: 4441116  
 FIELD NAME: UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DWD	3/21/07
Geology		
Surface		

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

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

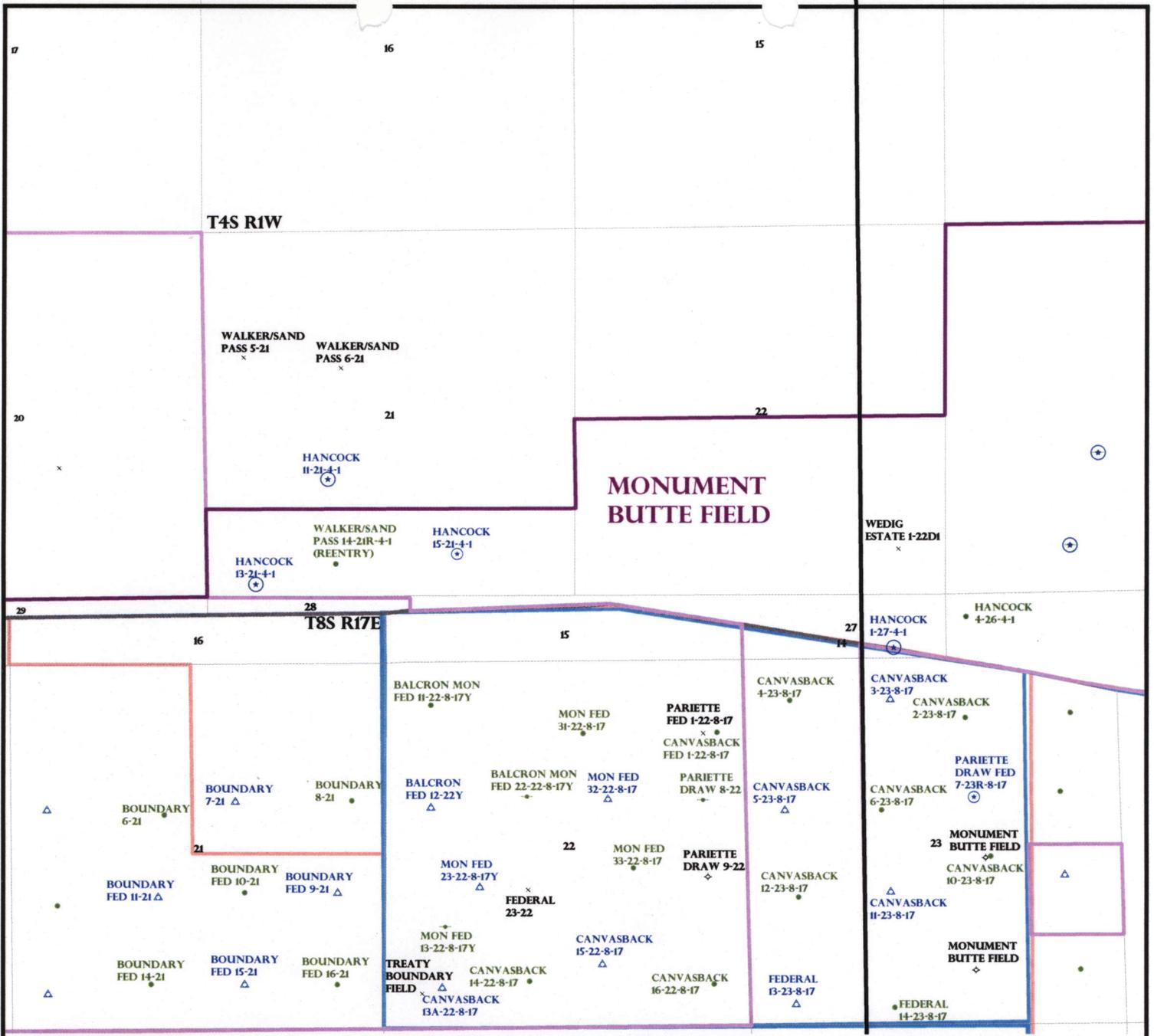
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. B001834 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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 (11-08-2006)

STIPULATIONS: 1- Spring Strip  
2- STATEMENT OF BASIS



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21 T.4S R.1W

FIELD: UNDESIGNATED (002)

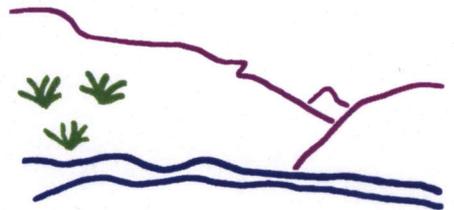
COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

- 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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 17-JULY-2006

# Application for Permit to Drill

## Statement of Basis

12/12/2006

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
126	43-013-33242-00-00		OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY	<b>Surface Owner-APD</b>			
<b>Well Name</b>	HANCOCK 11-21-4-1	<b>Unit</b>			
<b>Field</b>	UNDESIGNATED	<b>Type of Work</b>			
<b>Location</b>	NESW 21 4S 1W U 0 FL 0 FL GPS Coord (UTM) 584881E 4441116N				

### 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 300'. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of section 21. All wells are privately owned. Five of these wells are less than .5 miles from the proposed location the other well is over a mile to the northwest. Depth is listed for only 1 well and is shown as 14 feet in depth. Water use is listed as irrigation, stock watering, and domestic use. Surface casing will be set near the base of the moderately saline ground water. 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. The proposed casing and cement program should adequately protect any useable ground water and nearby wells.

Brad Hill  
APD Evaluator

12/12/2006  
Date / Time

### Surface Statement of Basis

The proposed Hancock 11-21-4-1 location is approximately 9 miles southeast 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 contains perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Ut and about 13 miles downstream from the location. The area is characterized by broad flats frequently used for agriculture. Flats are intersected by drainages with gentle to moderate side slopes. Seeps are common in the draws. Access is by State and County roads to an existing two-track road which will be upgraded. Two-hundred and sixty feet of new road will be required. The location is on the south portion of an large sprinkler irrigated alfalfa field.

The surface for the proposed Hancock 11-21-4-1 well is owned by the Gerald Anderson Family Trust. Mr. Gerald Anderson lives in Lindon, Utah. Phone # 801-785-9783. The well has been proposed for sometime, but Newfield has been unable to reach a surface use agreement with the owner. On October 16, 2006, I, Floyd Bartlett, contacted Mr. Anderson by phone and ask him to attend a pre-site evaluation for the well. He said he was very willing to do this. He explained he had been very disappointed with the officious nature of the lady from Newfield that had contacted him by telephone. He felt he had been threatened and had no options but to agree with their proposal, as the well would be drilled regardless of his concerns.

I arranged a meeting with Mr. Anderson for November 8th at the Newfield's Office. At the meeting, Mr. Anderson and his son Wayne represented the surface owners. Brad Mecham, Field Operations Manager and Permitting Manager David Allred represented Newfield. Cory Miller represented Tri-State Engineering. I represented DOGM. I explained that the purpose of the meeting was to discuss Newfield's proposed well on the property owned by the Andersons and attempt to reach an agreement on the conditions for the use of the surface.

Mr. Mecham outlined on the board the location of the well in relation to the irrigation systems of the Anderson Property. The original proposed location which was within the normal spacing window for the 40 acre sub-

# Application for Permit to Drill

## Statement of Basis

12/12/2006

Utah Division of Oil, Gas and Mining

Page 2

division, was under the circle of an overhead pivot sprinkler irrigation system. The location has been moved so that only the reserve pit used during drilling of the well would fall within this circle. The area adjacent to the pivot circle is irrigated by wheel-line sprinklers. As the wheel-line were to move past the location, sections of the line would have to be dropped. After about 1 year this well would probably be converted to an injection well and the size of the location could be reduced. This along with the area used for the reserve pit would be put back into alfalfa at Newfield's expense.

Mr. Gerald Anderson reviewed his past conversations with the Newfield representative from the Denver Office and stated he really appreciated the opportunity to express his concerns and thought for the most part that Mr. Mecham was being reasonable in his proposal. He ask about future locations within this area and how they may be served with access roads. Mr. Mecham said he could make no promises regarding proposed future development but at this time, only one additional well was planned. Final determination would not be made until the proposed well was drilled and evaluated. Some wells in the area have not been highly productive. The road location to the planned well was not of concern to the Andersons. Mr. Mecham stated that if an additional well(s) is drilled, the road would be located so as to cause the least interference to the irrigation as possible.

We visited the location. It was decided to move the location a short distance to the east and slightly rotate it so as to be more in line with the wheel line area and reduce the encroachment onto the pivot area. Tri-State Engineering will re-stake the location and complete a new plat. Mr. Mecham said they would install a cattle guard with a metal gate at the entrance of the property from the county road.

The Andersons took a copy of the proposed surface agreement to review stating they would return it with any comments within one week. Gerald Anderson stated he appreciated the meeting very much and felt good about the proposal. He thanked Mr. Mecham for the considerations afforded them.

Floyd Bartlett  
Onsite Evaluator

11/8/2006  
Date / Time

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

Category	Condition
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.
Pits	



# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** HANCOCK 11-21-4-1  
**API Number** 43-013-33242-0      **APD No** 126      **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4 NESW      **Sec** 21      **Tw** 4S      **Rng** 1W      0 FL 0 FL  
**GPS Coord (UTM)**      **Surface Owner**

### Participants

Floyd Bartlett (DOGM), David Allred (NewField), Corey Miller (Tri-State Engineering), Gerald Anderson and Wayne Anderson (Gerald Anderson Family Trust), Brad Mecham, (Field Operations Manager, Nefield Production Company)

### Regional/Local Setting & Topography

The proposed location is approximately 9 miles southeast 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 contains perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Ut and about 13 miles downstream from the location. The area is characterized by broad flats frequently used for agriculture. Flats are intersected by drainages with gentle to moderate sideslopes. Seeps are common in the draws. Access is by State and County roads to an existing private road which will be upgraded. Two-hundred and sixty feet of new road will be required.

The location on the south portion of an irrigated alfalfa field.

The surface of the location is owned by the Gerald Anderson Family Trust.

### Surface Use Plan

#### **Current Surface Use**

Agricultural  
Grazing

#### **New Road**

<b>Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.1	<b>Width</b> 210 <b>Length</b> 300	Onsite	UNTA

**Ancillary Facilities** N

### Waste Management Plan Adequate? Y

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Cultivated alfalfa.  
Occasional small mammals, deer and birds. Livestock graze the fields during the fall-winter.

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

moderately deep sandy loam. Gravely sub-surface.

**Erosion Issues** N

**Sedimentation Issues** N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

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

**Reserve Pit**

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	<25 or recharge area	20
Distance to Surface Water (feet)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	1320 to 5280	5
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	<b>Final Score</b>	<b>42    1    Sensitivity Level</b>

**Characteristics / Requirements**

The reserve pit is proposed on the northwest portion of the location. Most of it will be inside the existing pivot sprinkley wheel tracks. It will be closed prior to the irrigation season. Size is 70' x 40' x 8' deep.

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

**Other Observations / Comments**

The surface for the proposed Hancock 11-21-4-1 well is owned by the Gerald Anderson Family Trust. Mr Gerald Anderson lives in Lindon, Utah. Phone # 801-785-9783. The well has been proposed for sometime, but Newfield has been unable to reach a surface use agreement with the owner. On October 16, 2006, I, Floyd Bartlett, contacted Mr. Anderson by phone and ask him to attend a pre-site evaluation for the well. He said he was very willing to do this. He explained he had been very disappointed with the officious nature of the lady from Newfield that had contacted him by telephone. He felt he had been threatened and had no options but to agree with their proposal, as the well would be drilled regardless of his concerns.

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The Andersons took a copy of the proposed surface agreement to review stating they would return it with any comments within one week. Gerald Anderson stated he appreciated the meeting very much and felt good about the proposal. He thanked Mr. Mecham for the considerations afforded them.

On Dec. 11, 2006 pictures were taken of the moved and re-staked location. David Allred of Newfield said they were still negotiating with the Andersons and a signed agreement had not yet been obtained.

Floyd Bartlett  
**Evaluator**

11/8/2006  
**Date / Time**

**From:** Diana Mason  
**To:** Mandie Crozier  
**Date:** 12/12/2006 8:56:20 AM  
**Subject:** Re: Rig Skid West Point Federal 4-18-9-16

Ok I will. Thank you

>>> "Mandie Crozier" <[mcrozier@newfield.com](mailto:mcrozier@newfield.com)> 12/12/2006 8:54 AM >>>  
I sent you the new APD for the West Point Federal 4A-18-9-16 (Rig Skid) yesterday. They still need to top off of the cement in the original wellbore. They ran out of cement on Saturday with about 10' left to go. They should have that finished later this week. As soon as they do, I will get Carol the Well Completion Report form for the original wellbore. Let me know if you need anything else from me.

If you could fax me the new approval as soon as you have it, I would appreciate it. Thanks.

Mandie Crozier  
Newfield Production  
(435) 646-4825  
[mcrozier@newfld.com](mailto:mcrozier@newfld.com)

**CC:** Carol Daniels; Marie Fontaine

2006-12 Newfield Hancock 11-21-4-1  
Casing Schematic

Surface

BHP

$0.052(6835)8.6 = 3057 \text{ psi}$   
anticipate 2000

8-5/8"  
MW 8.4  
Frac 19.3

Gas

$.12(6835) = 820$   
 $3057 - 820 = 2237 \text{ psi, MASP}$   
wt.  $.22(6835) = 1404 + 3057 = 1553 \text{ psi}$

BOPE = 2M ✓

Burst 2950  
70% = 2065 psi

Max P @ surf. shoe

$.22(6545) = 1440$   
 $3057 - 1440 = 1617 \text{ psi}$

test to 1617 psi ✓

Adequate  
DKD  
3/21/07

TOC @ Uinta ✓

→ standard in Area etc.

300' Surface ± Base MSW  
TOC @ T<sup>290</sup> MD 438. to surface w/9% w/o

2835' Green River ✓

5-1/2"  
MW 8.6

6835' Wasatch  
Production  
6835. MD

Well name:

**2006-12 Newfield Hancock 11-21-4-1**Operator: **Newfield Production Company**String type: **Surface**

Project ID:

43-013-33242

Location: **Uintah County****Design parameters:****Collapse**Mud weight: 8.400 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 79 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

Cement top: Surface

**Burst**Max anticipated surface  
pressure: 255 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 290 psi

No backup mud specified.

**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: 253 ft**Non-directional string.****Re subsequent strings:**Next setting depth: 6,835 ft  
Next mud weight: 8.600 ppg  
Next setting BHP: 3,054 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 290 ft  
Injection pressure: 290 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	290	8.625	24.00	J-55	ST&C	290	290	7.972	103.7
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	127	1370	10.826	290	2950	10.17	6	244	40.12 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & MineralsPhone: 801-538-5357  
FAX: 801-359-3940Date: December 20, 2006  
Salt Lake City, Utah

## Remarks:

Collapse is based on a vertical depth of 290 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:

**2006-12 Newfield Hancock 11-21-4-1**Operator: **Newfield Production Company**String type: **Production**

Project ID:

43-013-33242

Location: **Uintah County****Design parameters:****Collapse**Mud weight: 8.600 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 171 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: 438 ft

**Burst**Max anticipated surface  
pressure: 1,550 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,054 psi

No backup mud specified.

**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)**Non-directional string.**

Tension is based on buoyed weight.

Neutral point: 5,946 ft

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	6835	5.5	15.50	J-55	LT&C	6835	6835	4.825	913.4
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	3054	4040	1.323	3054	4810	1.58	92	217	2.35 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & MineralsPhone: 801-538-5357  
FAX: 801-359-3940Date: December 20, 2006  
Salt Lake City, Utah

## Remarks:

Collapse is based on a vertical depth of 6835 ft, a mud weight of 8.6 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.*

**NEWFIELD**



July 11, 2006

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

RE: Exception Location: Hancock 11-21-4-1  
1700' FSL, 1748' FWL  
NESW Sec 21-T4S-R1W  
Duchesne Cty., Utah

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 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 above referenced location is an exception location under Rule 649-3-2, being 25' west and 82' south of the drilling window tolerance for the NESW of Sec 21-T4S-R1W. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. This location has been selected due to a request from the surface owner.

Please note the location is completely within Fee minerals and surface. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company.

If you have any questions or need additional information please contact me at (303) 382-4479. Thank you for your assistance in this matter.

Sincerely,

Rhonda Deimer  
Land Associate

**RECEIVED**

**JUL 14 2006**

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

Form 3160-3  
(September 2001)

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

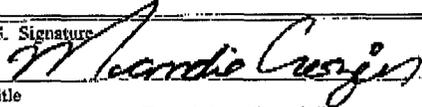
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> RRENTER		5. Lease Serial No. FEE
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or C/A Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Hancock 11-21-4-1
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NE/SW 1700' FSL 1748' FWL At proposed prod. zone		9. API Well No.
14. Distance in miles and direction from nearest town or post office* Approximately 9.0 miles southeast of Myton, Utah		10. Field and Pool, or Exploratory Wildcat
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 380' from, NA ft/unit		11. Sec., T., R., M., or Blk. and Survey or Area NE/SW Sec. 21, T4S R1W
16. No. of Acres in lease NA	17. Spacing Unit dedicated to this well 40 Acres	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 6835'	13. State UT
20. BLM/BIA Bond No. on file UTB000192	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5159' GL	22. Approximate date work will start* 4th Quarter 2006
23. Estimated duration Approximately seven (7) days from spud to rig removal.		24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/6/06
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

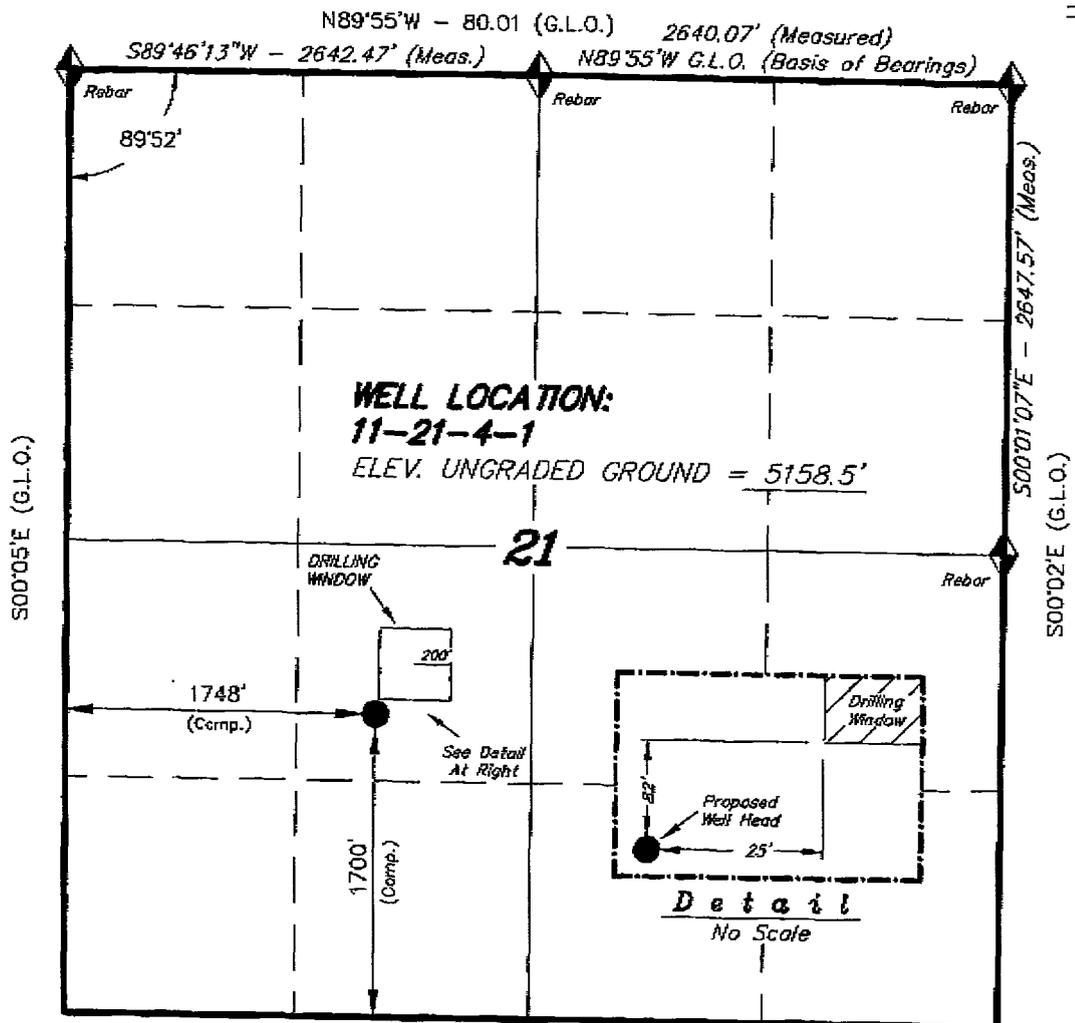
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

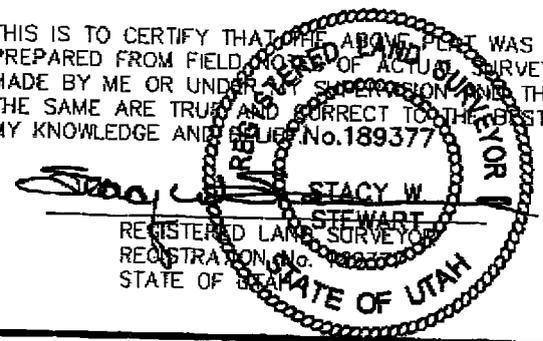
# T4S, R1W, U.S.M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 11-21-4-1, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 21, T4S, R1W, U.S.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLOT 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



N89'57'W - 79.96 (G.L.O.)

◆ = SECTION CORNERS LOCATED

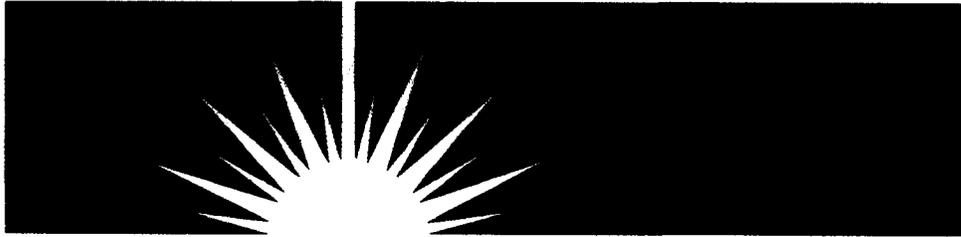
BASIS OF ELEV;  
 U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**11-21-4-1**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 07' 04.63"  
 LONGITUDE = 110° 00' 16.49"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 02-25-06	SURVEYED BY: D.P.
DATE DRAWN: 03-01-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



# NEWFIELD



March 9, 2007

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Amended Application for Permit to Drill, Hancock #11-21-4-1

Dear Diana:

Enclosed find the amended Form 3 and plats for the Hancock #11-21-4-1. Since submission the proposed location was moved. Everything else in the APD will remain unchanged. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

enclosures

RECEIVED

MAR 12 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
**DIVISION OF OIL, GAS AND MINING**

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>FEE</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
1a. TYPE OF WORK <b>DRILL</b> <input type="checkbox"/> <b>DEEPEN</b> <input checked="" type="checkbox"/> <b>RE-ENTER</b> <input type="checkbox"/>	7. UNIT AGREEMENT NAME <b>N/A</b>	
1b. TYPE OF WELL  OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/>	8. FARM OR LEASE NAME <b>FEE</b>	
2. NAME OF OPERATOR <b>Newfield Production Company</b>		9. WELL NO. <b>Hancock 11-21-4-1</b>
3. ADDRESS AND TELEPHONE NUMBER: <b>Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721</b>		10. FIELD AND POOL OR WILDCAT <b>Undesignated</b>
4. LOCATION OF WELL (FOOTAGE) At Surface <b>NE/SW 1590' FSL 1960' FWL</b> At proposed Producing Zone <b>584946X 44410834</b> <i>40.117663</i> <i>-10.003164</i>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NE/SW Sec. 21, T4S, R1W</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 9.0 miles southeast of Myton, UT</b>		12. County <b>Duchesne</b>
		13. STATE <b>UT</b>

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx. 640' f/lse 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>40</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>NA</b>	19. PROPOSED DEPTH <b>6835'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5159' GL</b>	22. APPROX. DATE WORK WILL START* <b>2nd Quarter 2007</b>
---	--

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'	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 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 +/I 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

24. Name & Signature: *Mandie Crozier* Title: Regulatory Specialist Date: 3/9/2007  
**Mandie Crozier**

(This space for State use only)

API Number Assigned: 43-013-33 242 APPROVAL: \_\_\_\_\_

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

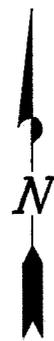
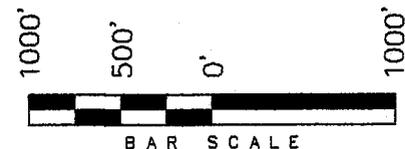
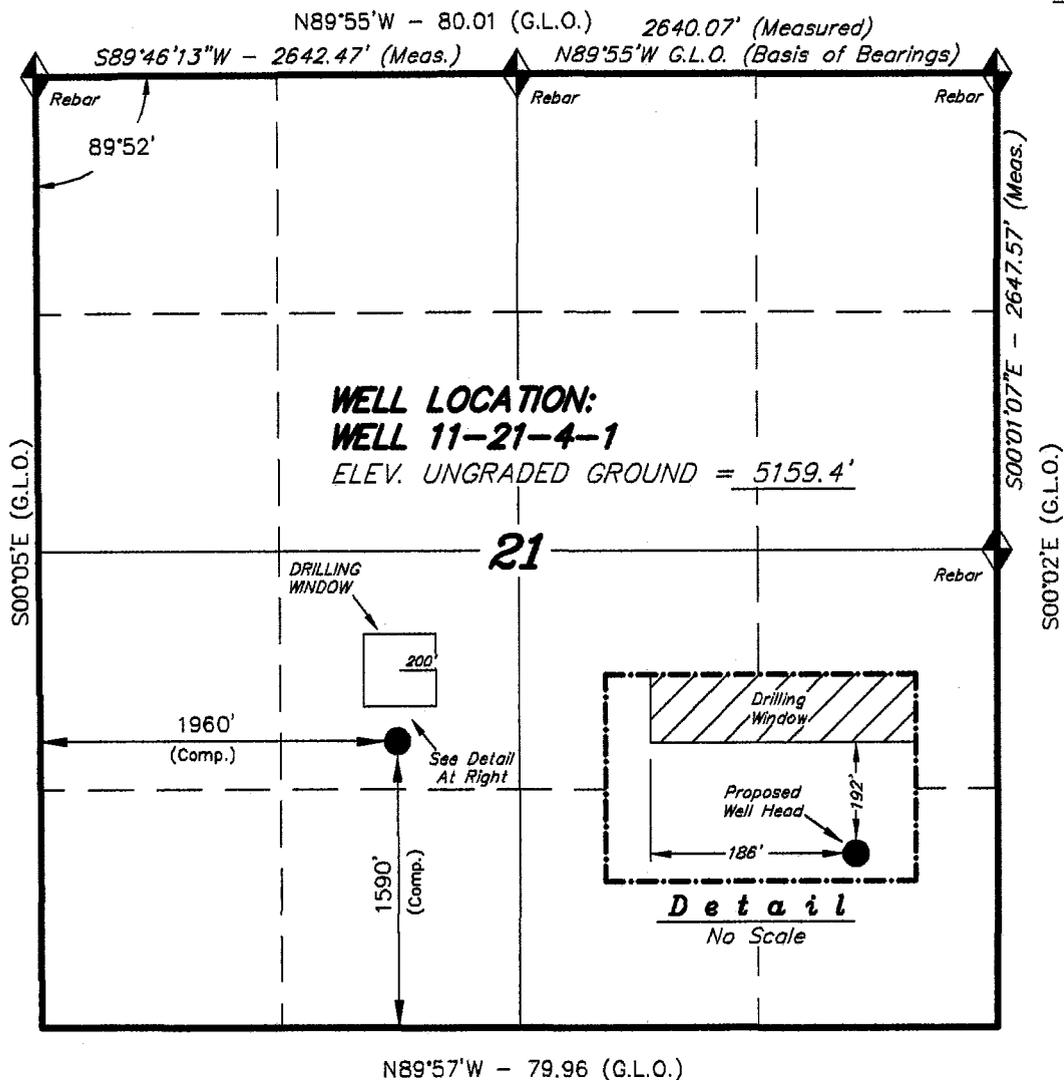
Date: 03-22-07  
 By: *[Signature]* \*See Instructions On Reverse Side

**RECEIVED  
 MAR 12 2007  
 DIV. OF OIL, GAS & MINING**

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

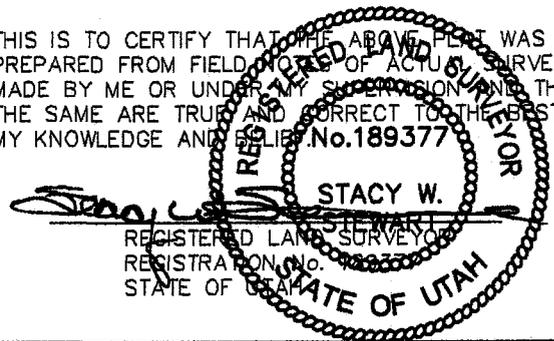
# NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WELL 11-21-4-1,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 21, T4S, R1W,  
 U.S.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**  
 The Proposed Well head bears  
 S72°19'06"W 3463.84' from the East  
 1/4 Corner of Section 21.

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



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

**WELL 11-21-4-1**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 07' 03.55"  
 LONGITUDE = 110° 00' 13.77"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 11-9-06	SURVEYED BY: C.M.
DATE DRAWN: 11-10-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

EASEMENT, RIGHT-OF-WAY  
and  
SURFACE USE AGREEMENT

This Easement, Right-of-Way and Surface Use Agreement ("Agreement") is entered into this 1st day of March, 2007 by and between **Gerald N. Family Trust, Gerald N. Andersen and Rhea J. Andersen**, Trustees, whose address is 657 W. Lakeview Road, Lindon, Utah 84042 ("Surface Owner," whether one or more) and Newfield Production Company, a Texas corporation ("NEWFIELD"), with offices at 1401 17<sup>th</sup> Street, Suite #1000, Denver, Colorado 80202; covering certain lands, (the "Lands") situated in Duchesne and Uintah Counties, Utah described as follows:

**Township 4 South, Range 1 West**  
**Section 21: NESW (11-21-4-1 well)**  
**Section 21: SWSE (15-21-4-1 well)**  
**comprising of 80 acres, more or less**

**and**

**associated pipeline routes beginning at each of the two (2) wellsites and traversing the lands to follow the route depicted on the attached map as nearly as possible. (Exhibit "A")**

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 March 1, 2007, 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

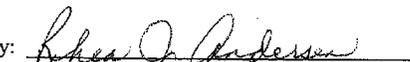
Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline 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.

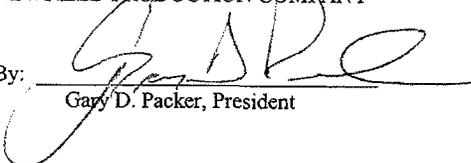
These Parties hereto have executed this document effective as of the day first above written.

GERALD N. FAMILY TRUST

By:   
Gerald N. Andersen, Trustee

By:   
Rhea J. Andersen, Trustee

NEWFIELD PRODUCTION COMPANY

By:   
Gary D. Packer, President

STATE OF UTAH )  
 )ss  
COUNTY OF Utah )

This instrument was acknowledged before me this 8 day of Mar, 2007 by **Gerald N. Andersen**, as Trustee of the Gerald N. Andersen Family Trust.

Witness my hand and official seal.

My commission expires Dec. 28, 2010

Glenna Gottfredson  
Notary Public



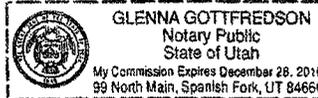
STATE OF UTAH )  
 )ss  
COUNTY OF Utah )

This instrument was acknowledged before me this 8 day of Mar, 2007 by **Rhea J. Andersen**, as Trustee of the Gerald N. Andersen Family Trust.

Witness my hand and official seal.

My commission expires Dec. 28, 2010

Glenna Gottfredson  
Notary Public



STATE OF COLORADO )  
 )ss  
COUNTY OF Denver )

This instrument was acknowledged before me this March 19, 2007 by **Gary D. Packer**, as President of **Newfield Production Company**, a Texas corporation, on behalf of the corporation.

Witness my hand and official seal.

My commission expires 05/05/2009

Paurie DeLeon  
Notary Public

Address: 1401 17<sup>th</sup> St., Suite 1000  
Denver, CO 80202

NEWFIELD PRODUCTION COMPANY  
HANCOCK 11-21-4-1  
NE/SW SECTION 21, 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 – 2835'
Green River	2835'
Wasatch	6835'

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

Green River Formation 2835' – 6835' – Oil

4. PROPOSED CASING PROGRAM:

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (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:

The well will be drilled with air mist system to 3200', then from 3200' +/- to TD a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

Surface – 3200’  
3200’ – TD’

**MUD TYPE**

fresh water or air/mist system  
fresh water system

From surface to ± 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's preference. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. 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.

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 @ 290’ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500’ +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

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

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

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

It is anticipated that the drilling operations will commence the fourth quarter of 2006, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY  
HANCOCK 11-21-4-1  
NE/SW SECTION 21 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 11-21-4-1 located in the NE¼ SW¼ Section 21, T4S, R1W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah approximately 3.0 miles to it's junction with an existing road to the east; continue easterly and then southeasterly approximately 3.2 miles to it's junction with an existing road to the east; proceed easterly approximately 2.5 miles to it's junction with an existing road to the east; proceed easterly and then southeasterly approximately 2.8 miles to it's junction with the beginning of the access road; proceed in a northwesterly direction along the proposed access road approximately 500' 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 500' 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 Desert Tan. All facilities will be painted within six months of installation.

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

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

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 (20' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the cement cuttings removed from the wellbore.

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 or as to meet the land owners request. 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:** Gerald N. Andersen Family Trust

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 re-entry 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 Cultural Resource Survey for this proposed location is attached.**

**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 11-21-4-1, 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 11-21-4-1 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: Shon McKinnon  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production is considered to be the operator of well #11-21-4-1, NE/SW Section 21, 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 Resources, Inc. 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.

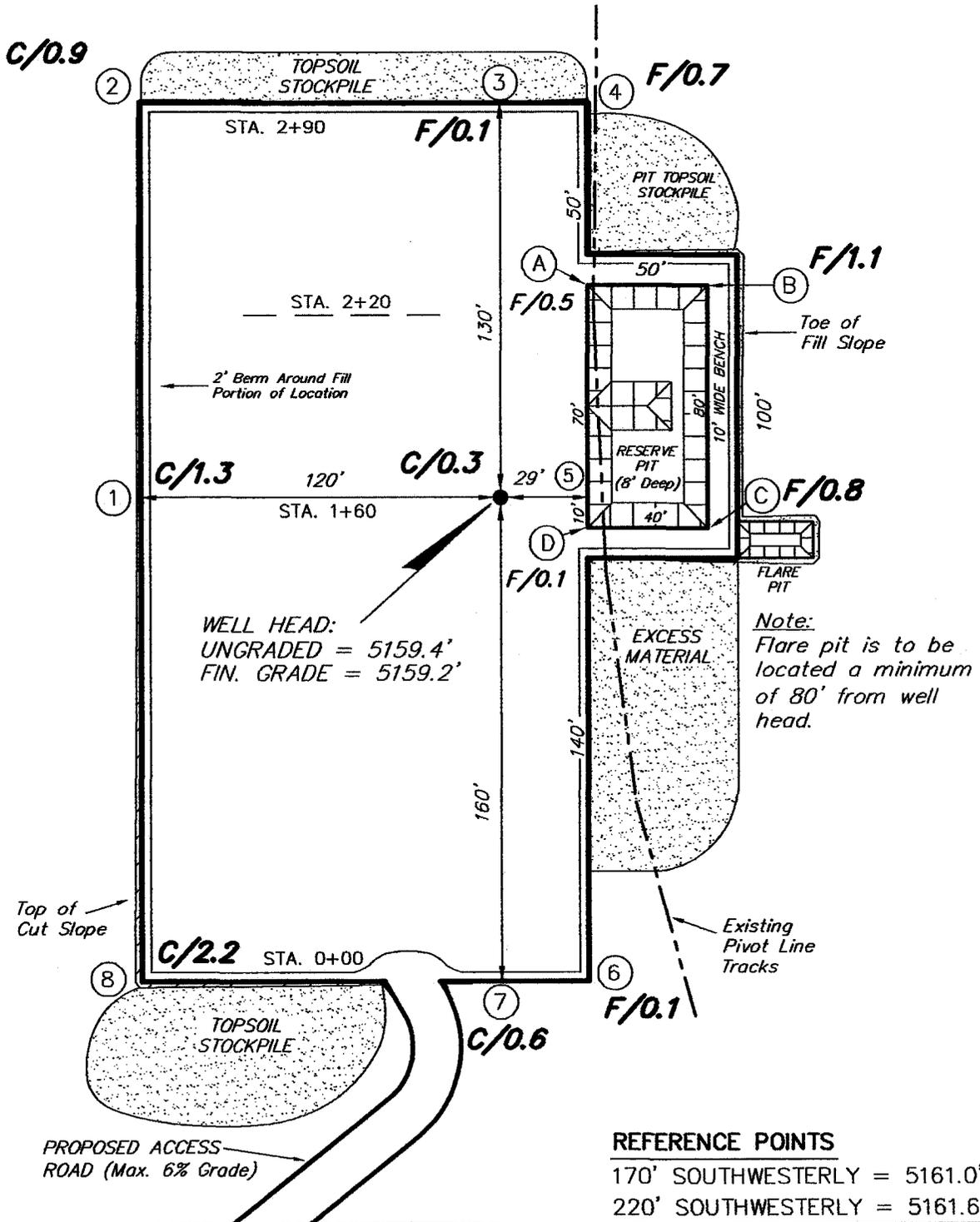
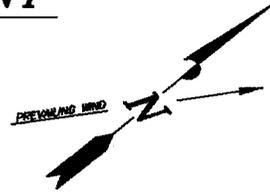
7/6/06  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

WELL 11-21-4-1

Section 21, T4S, R1W, U.S.B.&M.



WELL HEAD:  
UNGRADED = 5159.4'  
FIN. GRADE = 5159.2'

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

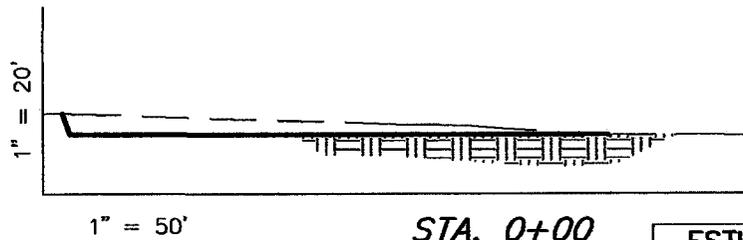
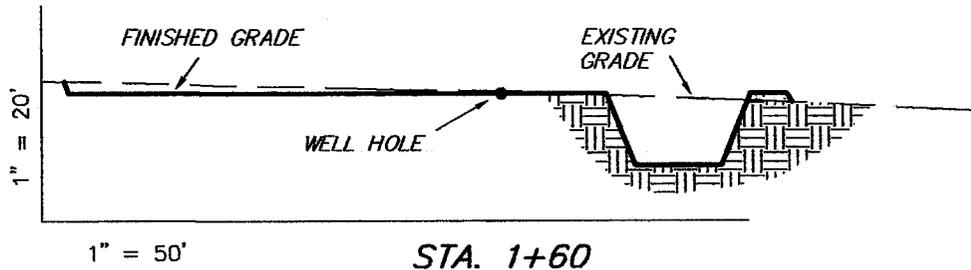
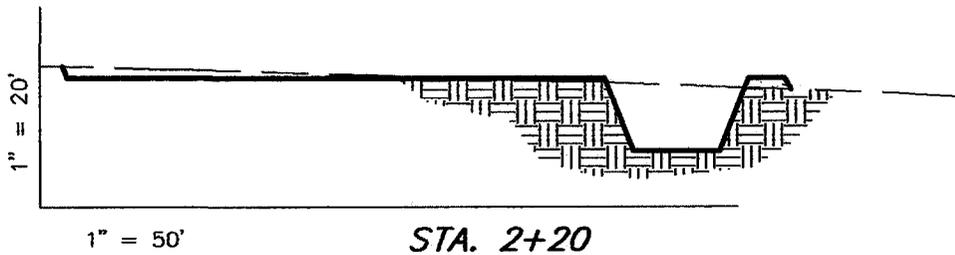
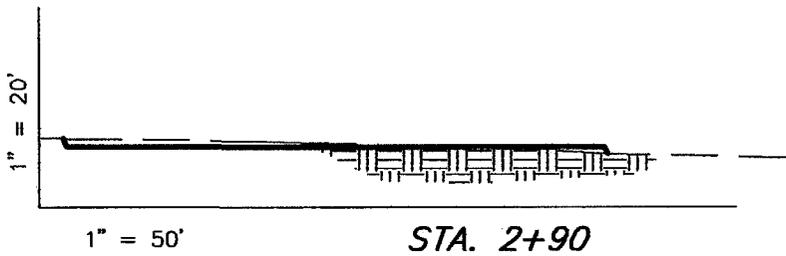
REFERENCE POINTS  
170' SOUTHWESTERLY = 5161.0'  
220' SOUTHWESTERLY = 5161.6'

SURVEYED BY: C.M.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078	(435) 781-2501
DRAWN BY: F.T.M.	DATE: 11-10-06		

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### WELL 11-21-4-1



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	450	370	Topsoil is not included in Pad Cut	80
PIT	640	0		640
TOTALS	1,090	370	920	720

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 11-10-06

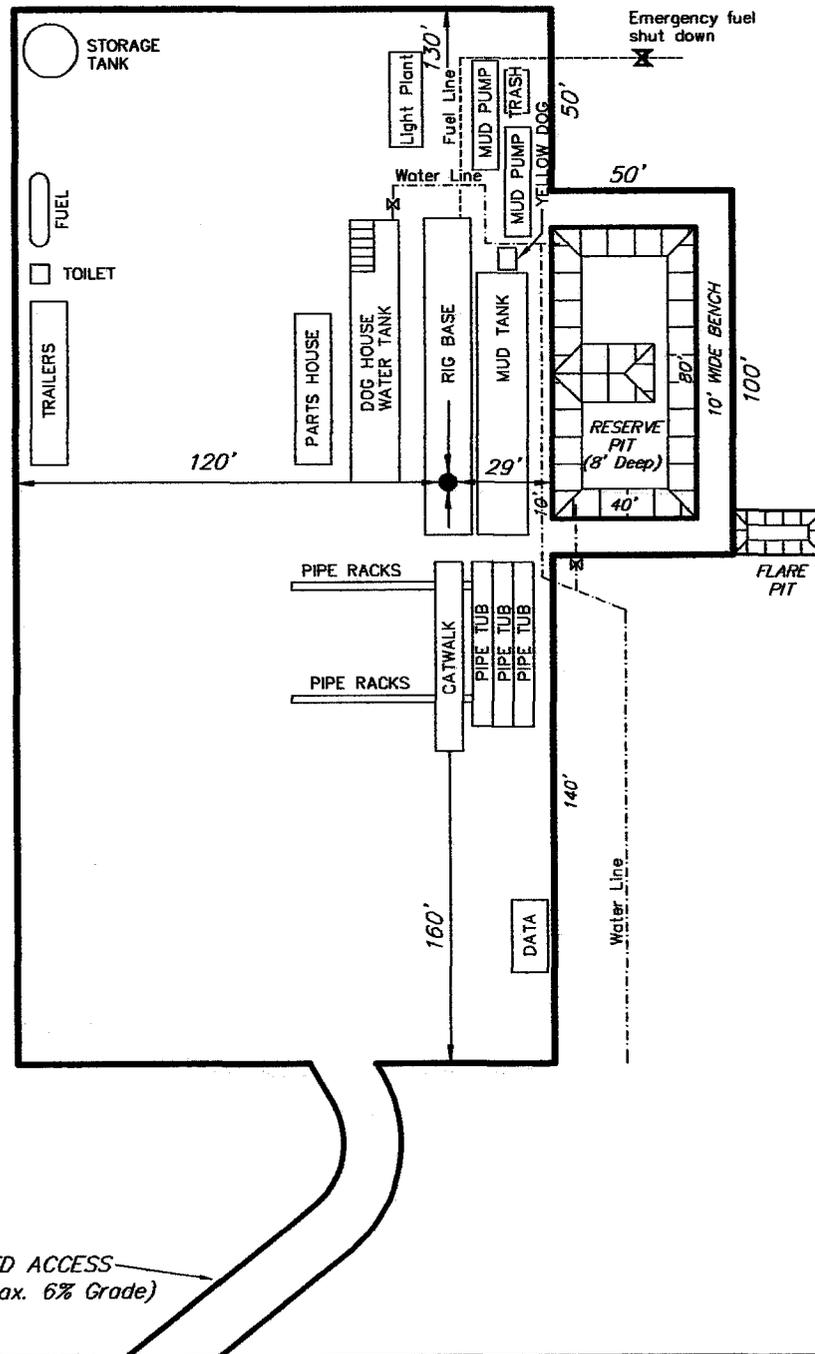
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

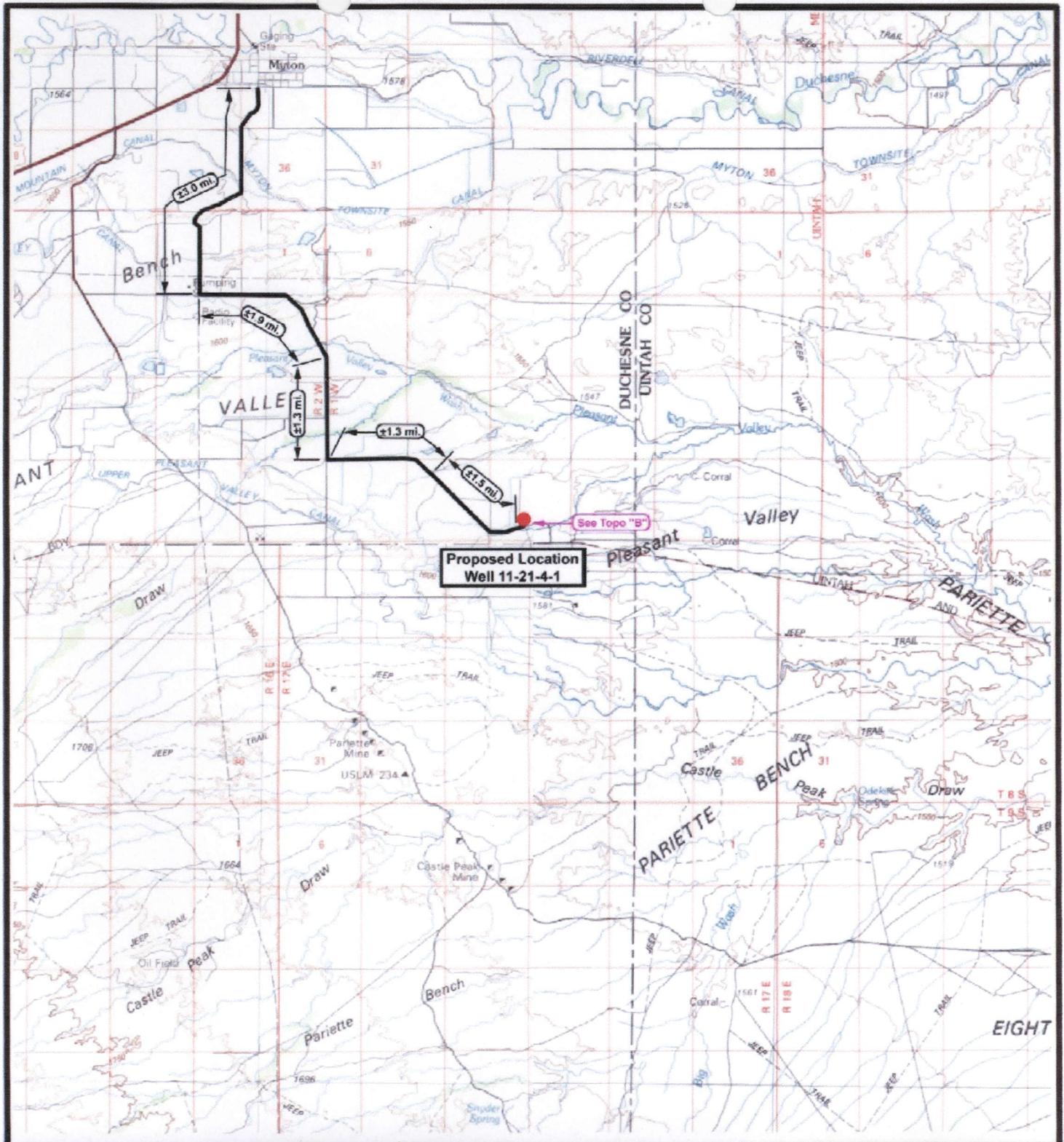
## TYPICAL RIG LAYOUT

### WELL 11-21-4-1



SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 11-10-06

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



**Proposed Location  
Well 11-21-4-1**



**NEWFIELD**  
Exploration Company

**Well 11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.B. & M.**

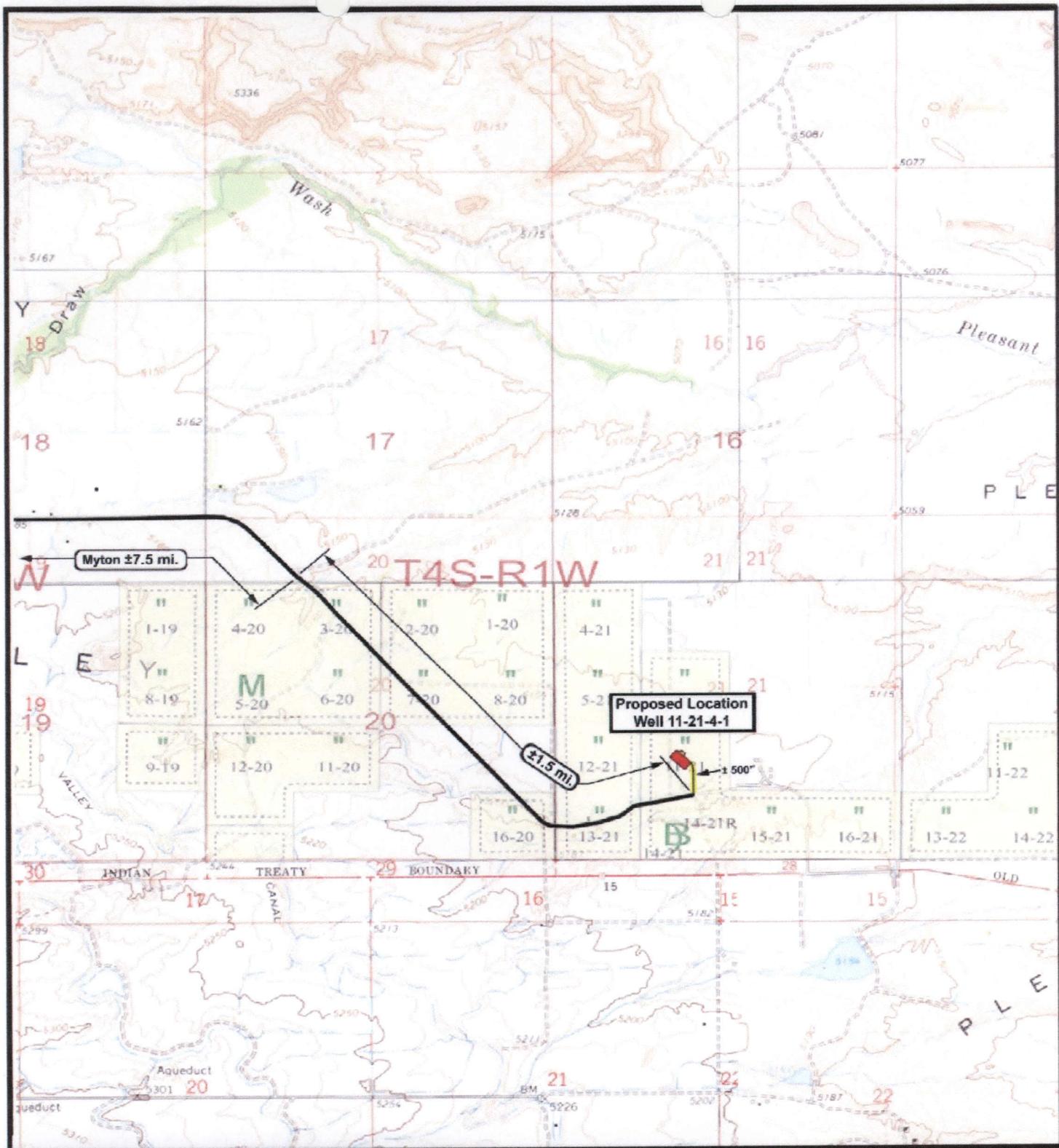


*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 11-14-2006

**Legend**  
Existing Road  
Proposed Access

TOPOGRAPHIC MAP  
**"A"**



 **NEWFIELD**  
Exploration Company

**Well 11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.B. & M.**



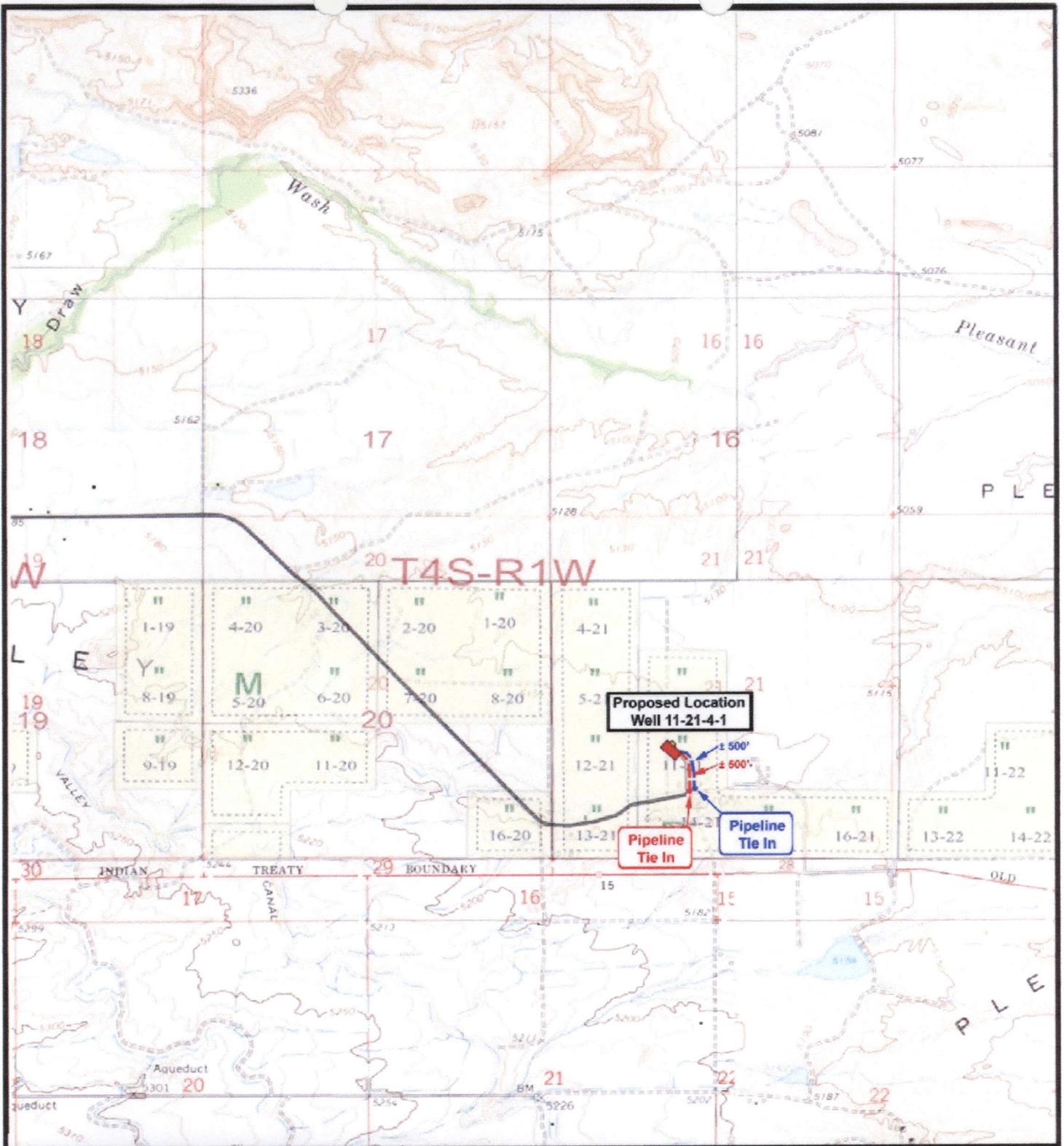
  
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 11-14-2006

**Legend**

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**NEWFIELD**  
Exploration Company

---

**Well 11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.B. & M.**



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

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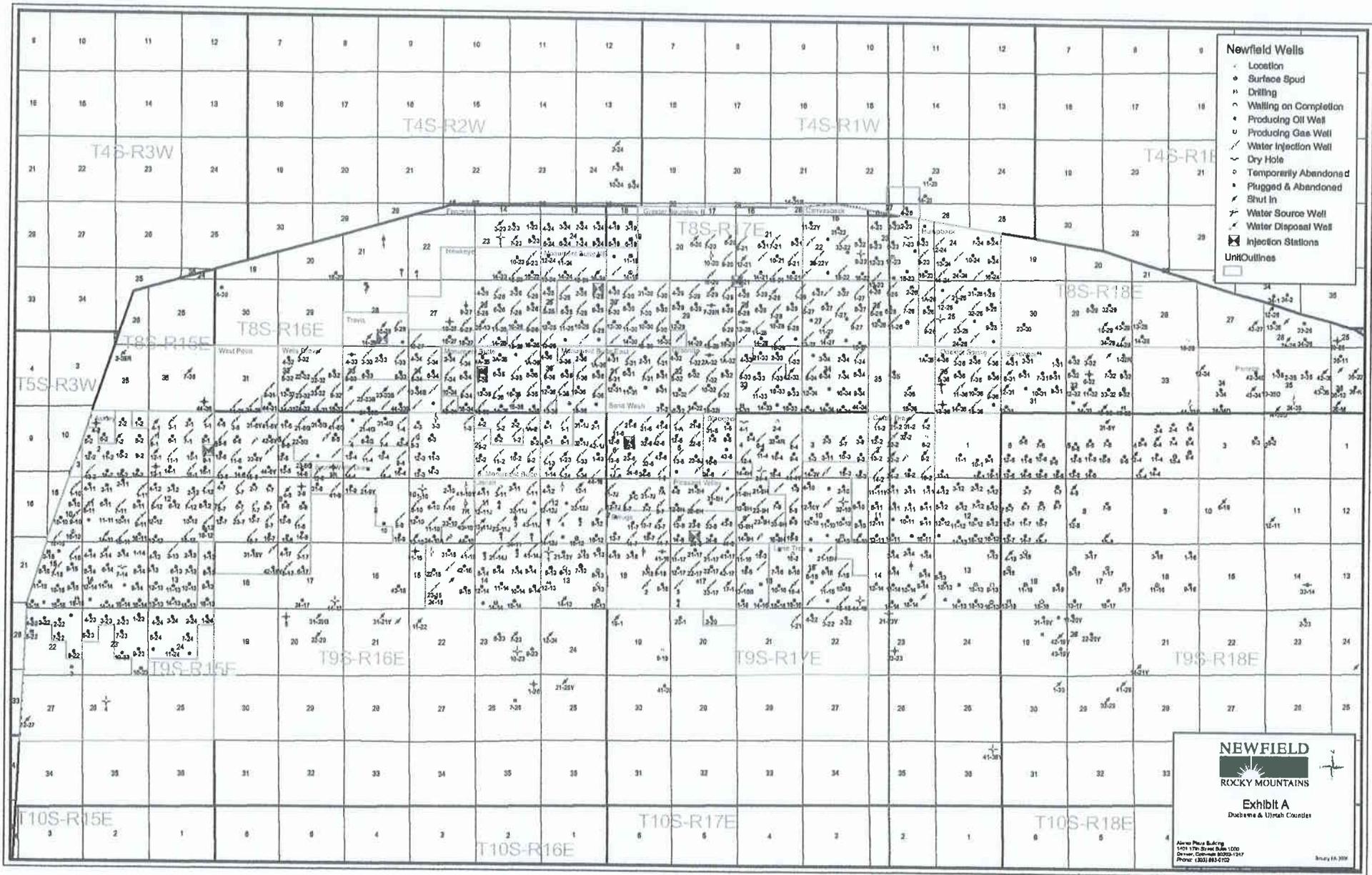
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 11-14-2006

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

---

TOPOGRAPHIC MAP  
**"C"**

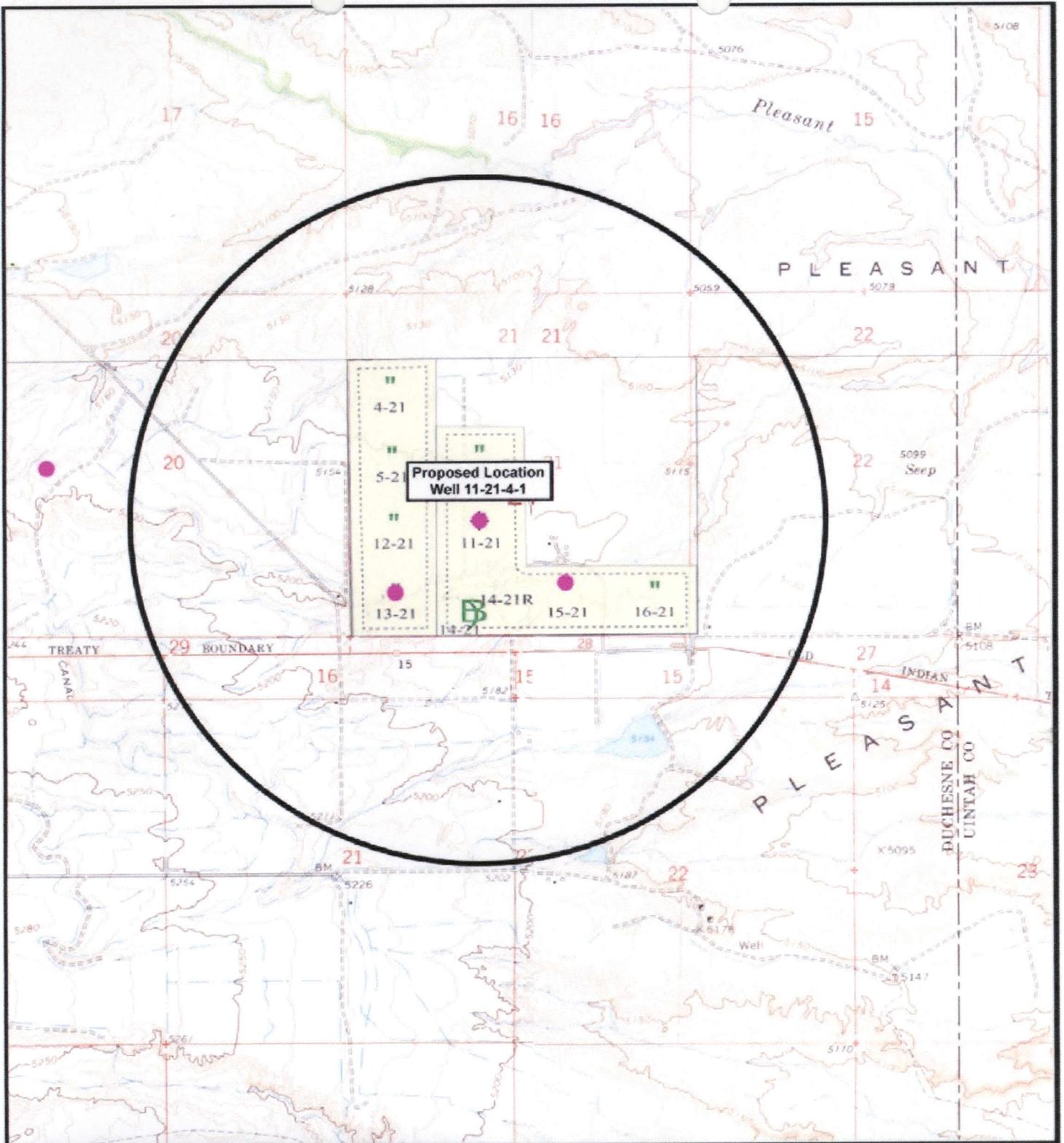


- Newfield Wells**
- Location
  - Surface Spud
  - Drilling
  - Welling on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Water Source Well
  - Water Disposal Well
  - Injection Stations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



**Exhibit A**  
Dobson & Ullrich Counties

Alvin Price Building  
1401 17th Street, Suite 1000  
Denver, Colorado 80202-2917  
Phone: (303) 885-6102  
May 19, 2009




  
**NEWFIELD**  
 Exploration Company

---

**Well 11-21-4-1**  
**SEC. 21, 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: mw  
 DATE: 11-14-2006

**Legend**

- Location
- One-Mile Radius

---

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

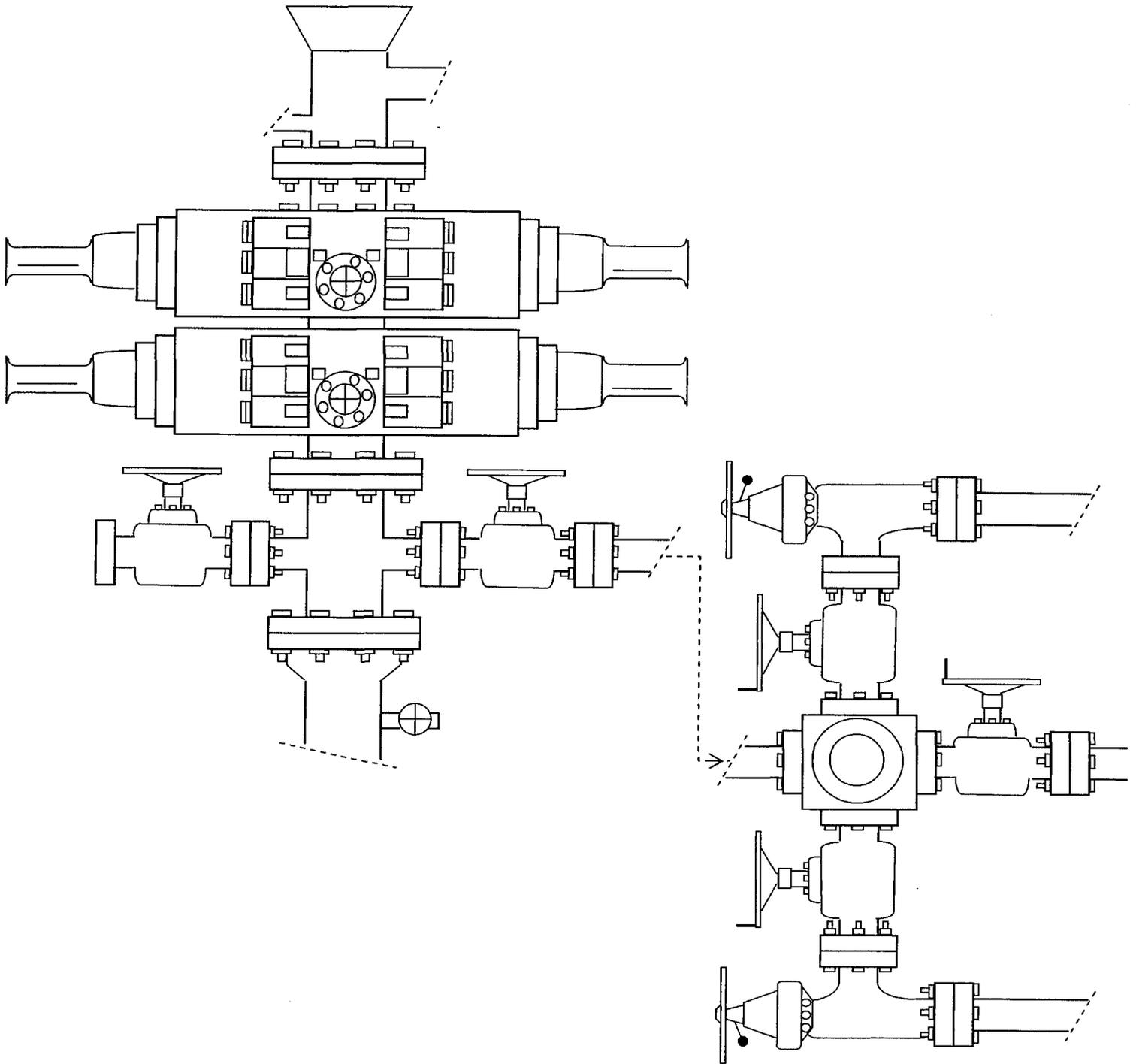


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATIONS' PROPOSED  
WELL LOCATIONS 11-21-4-1 AND 15-21-4-1  
(T4S R1W SEC. 21)  
DUCHESNE COUNTY, UTAH

by

Kiera Simms

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 06-307

June 30, 2006

United States Department of Interior (FLPMA)  
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-06-MQ-0905p

43-013-33242

**NEWFIELD**



March 16, 2007

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Mason  
Salt Lake City, Utah 84114-5801

RE: Revised Exception Location  
Hancock 11-21-4-1  
1590' FSL, 1960' FWL  
NESW Sec 21-T4S-R1W  
Duchesne Cty., Utah

Dear Ms. Mason:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 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.

Newfield originally submitted an APD in July of 2006 with an exception location under Rule 649-3-2, being 25' west and 82' south of the drilling window tolerance for the NESW of Sec. 21-T4S-R1W. The surface owner has requested that we move the well location, so an amended APD has been submitted dated 3/9/07. The new location is also an exception location under Rule 649-3-2, being 192' south of the drilling window tolerance for the NESW of Sec. 21-T4S-R1W. The attached plat depicts the new proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2.

Please note the location is completely within Fee minerals and surface. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company.

If you have any questions or need additional information please contact me at (303) 382-4479. Thank you for your assistance in this matter.

Sincerely,

Rhonda Deimer  
Land Associate

**RECEIVED**

**MAR 21 2007**

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

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

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 **NE/SW 1590' FSL 1960' FWL**  
 At proposed Producing 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  
**FEE**

9. WELL NO.  
**Hancock 11-21-4-1**

10. FIELD AND POOL OR WILDCAT  
**Undesignated**

11. QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NE/SW  
 Sec. 21, T4S, R1W**

12. County **Duchesne** 13. STATE **UT**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 9.0 miles southeast of Myton, UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**Approx. 640' f/lease line and NA' f/unit line**

16. NO. OF ACRES IN LEASE  
**NA**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
**NA**

19. PROPOSED DEPTH  
**6835'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5159' GL**

22. APPROX. DATE WORK WILL START\*  
**2nd Quarter 2007**

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'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
				Sec 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 +/- 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

24. Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 3/9/2007  
 Mandie Crozier

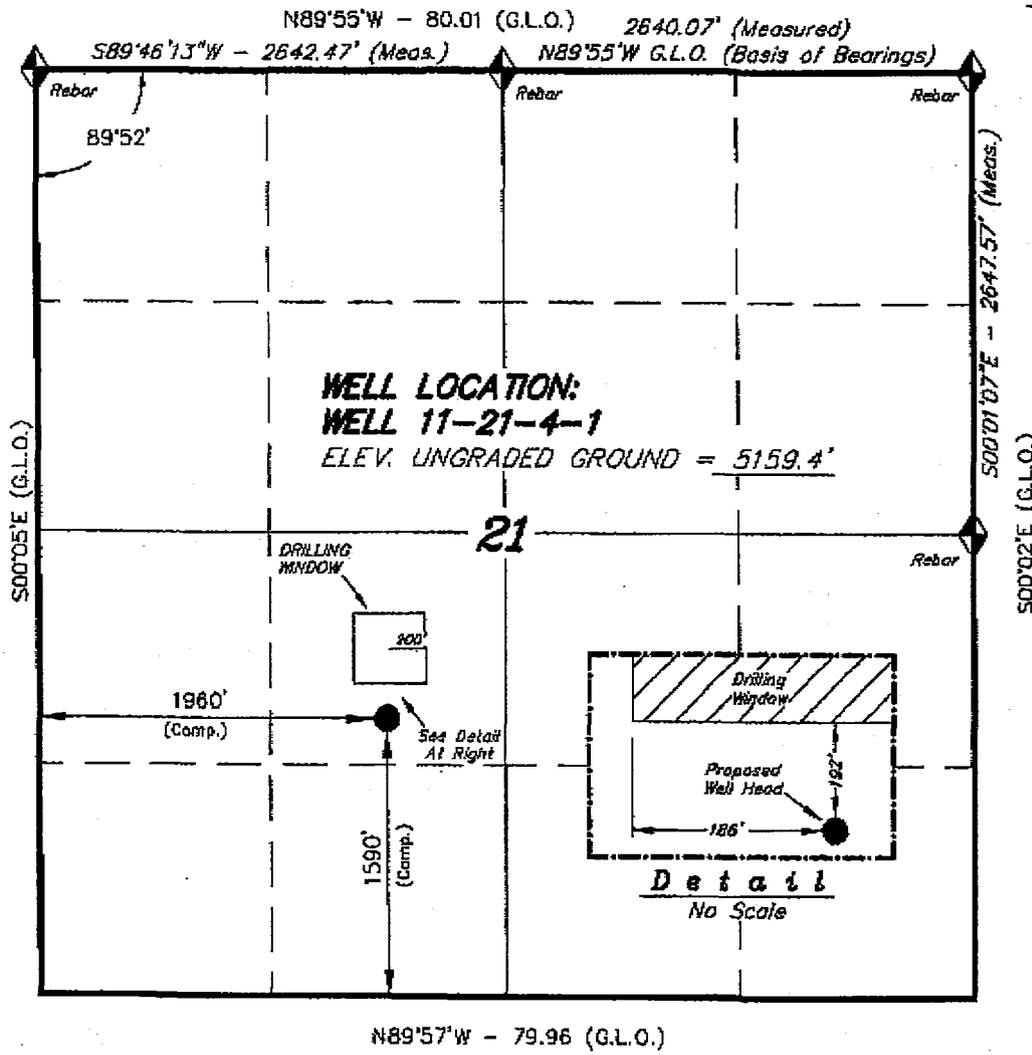
(This space for State use only)  
 API Number Assigned: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

**RECEIVED**  
**MAR 21 2007**  
 DIV. OF OIL, GAS & MINING

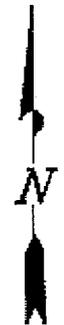
\*See Instructions On Reverse Side

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

# NEWFIELD PRODUCTION COMPANY

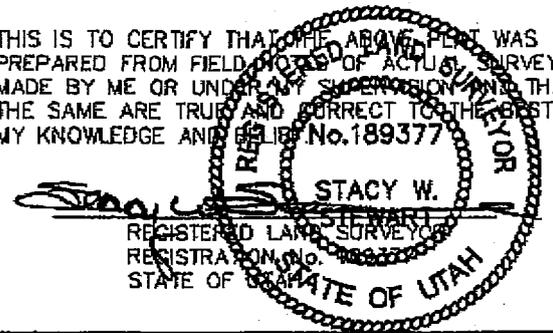


WELL LOCATION, WELL 11-21-4-1,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 21, T4S, R1W;  
 U.S.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**  
 The Proposed Well head bears  
 S72°19'06"W 3463.84' from the East  
 1/4 Corner of Section 21.

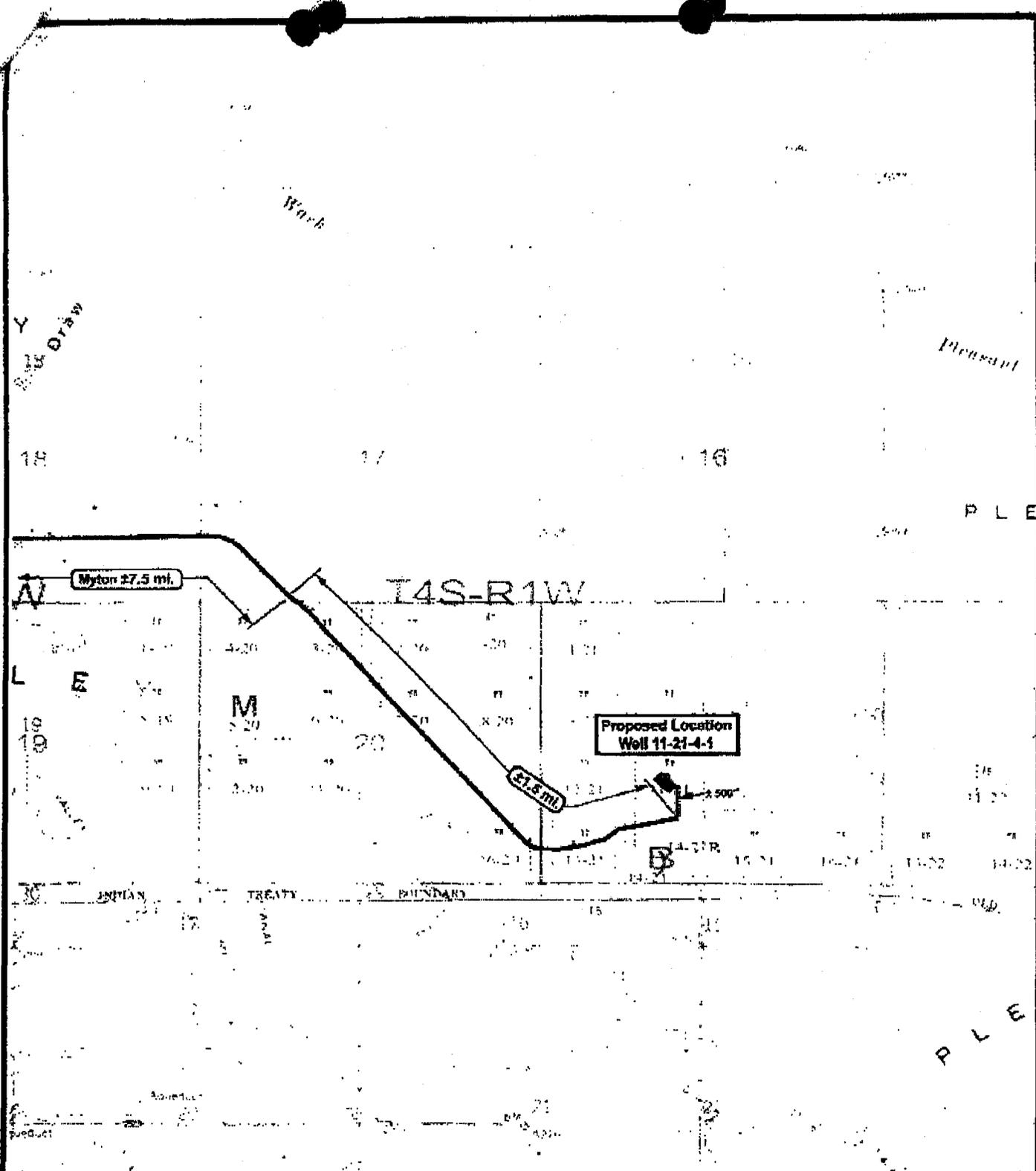
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



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

**WELL 11-21-4-1**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 07' 03.55"  
 LONGITUDE = 110° 00' 13.77"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 11-9-06	SURVEYED BY: C.M.
DATE DRAWN: 11-10-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



NEWFIELD  
Exploration Company

**Well 11-21-4-1**  
**SEC. 21, T4S, R1W, U.S.B. & M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vermel Ave. Vermel, Utah 84070

SCALE: 1" = 2,000'  
DRAWN BY: mhw  
DATE: 11-14-2006

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 22, 2007

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

Re: Hancock 11-21-4-1 Well, 1590' FSL, 1960' FWL, NE SW, Sec. 21, 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 43-013-33242.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor



Page 2

43-013-33242

March 22, 2007

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.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: Newfield Exploration & Production

Well Name: Hancock 11-21-4-1

API No: 43-013-33242 Lease Type: Fee

Section 21 Township 04S Range 01E County Duchesne

Drilling Contractor NDSI RIG # NS#1

### SPUDDED:

Date 4-13-07

Time 10:30 AM

How Dry

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

Reported by Ray

Telephone # 435-828-1990

Date 4-13-07 Signed RM

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 84652

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	16053	43-013-32650	FEDERAL 13-13-9-16	SW/SW	13	9S	16E	DUCHESNE	4/13/2007	4/23/07
WELL 1 COMMENTS: <u>GRUV</u>											
A	99999	16054	43-013-33242	HANCOCK 11-21-4-1	SW/SE	21	4S	1E	DUCHESNE	4/13/2007	4/23/07
WELL 2 COMMENTS: <u>GRUV</u>											
A	99999	16055	43-013-33243	HANCOCK 15-21-4-1	SW/SE	21	4S	1E	DUCHESNE	4/16/2007	4/23/07
WELL 3 COMMENTS: <u>GRUV</u>											
WELL 5 COMMENTS:											
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 (group or unit well)  
 C - from one existing entity to another existing entity  
 D - well from one existing entity to a new entity  
 E - Error (explain in comments section)

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

RECEIVED  
 APR 18 2007

Jenri Park  
 Signature  
 Production Clerk  
 April 18, 2007  
 Date

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

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:

**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.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		8. WELL NAME and NUMBER: HANCOCK 11-21-4-1
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4301333242
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: 1590 FSL 1960 FWL		COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 21, 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  <hr/>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  04/20/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 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 4/13/07 MIRU NDSI NS#1. Spud well @ 10:30am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.91' On 4/16/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 2 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Don Bastian	TITLE Drilling Foreman
SIGNATURE <i>Don Bastian</i>	DATE 04/20/2007

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**RECEIVED**  
**APR 24 2007**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 320.91

LAST CASING 8 5/8" SET AT 320.91'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Hancock 11-21-4-1  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS#1

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.33'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	309.06
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			310.91
TOTAL LENGTH OF STRING		310.91	7	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>320.91</b>
<b>TOTAL</b>		309.06	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		309.06	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud	4/13/2007	10:30AM	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE		4/13/2007	4:30PM	Bbls CMT CIRC TO SURFACE <u>0</u>			
BEGIN CIRC		4/16/2007	12:06PM	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT		4/16/2007	12:18PM	N/A			
BEGIN DSPL. CMT		4/16/2007	12:29 PM	BUMPED PLUG TO _____ 250 _____ PSI			
PLUG DOWN		4/16/2007	12:36PM				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	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 Don Bastian DATE 4/18/2007

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**FEE**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**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.

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR:  
**NEWFIELD PRODUCTION COMPANY**

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1590 FSL 1960 FWL      COUNTY: DUCHESNE

O/R/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 21, T4S, R1W      STATE: UT

8. WELL NAME and NUMBER:  
**HANCOCK 11-21-4-1**

9. API NUMBER:  
4301333242

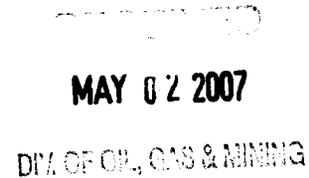
10. FIELD AND POOL, OR WILDCAT:  
**MONUMENT BUTTE**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>04/27/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 4/20/07 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 @ 251'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6750'. 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, 152 jt's of 5.5 J-55, 15.5# csgn. Set @ 6729.98' KB. Cement with 400 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 59 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 109,000 #'s tension. Release rig @ 4:30am 4/27/07.



NAME (PLEASE PRINT) Don Bastian      TITLE Drilling Foreman

SIGNATURE *Don Bastian*      DATE 04/27/2007

(This space for State use only)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6729.98

Flt clr @ 6696.12

LAST CASING 8 5/8" Set @ 320.91

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Hancock 11-21-4-1

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # Patterson-UTI Rig # 155

TD DRILLER 6750' TD loggers 6732'

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 6.22' @ 4683.52'					
151	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6682.12
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	34.61
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6731.98
TOTAL LENGTH OF STRING		6731.98	152	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		109.59	3	CASING SET DEPTH			<b>6729.98</b>
TOTAL		<b>6826.32</b>	155	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6826.32	155				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		4:00 PM	4/26/2007	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		8:00 PM	4/26/2007	Bbls CMT CIRC to surface			59
BEGIN CIRC		8:30 PM	4/26/2007	RECIPROCATED PIPE FOR			THRUSTROKE
BEGIN PUMP CMT		10:22 PM	4/26/2007	DID BACK PRES. VALVE HOLD ?			Yes
BEGIN DSPL. CMT		11:24 PM	4/26/2007	BUMPED PLUG TO			2350 PSI
PLUG DOWN		11:23 PM	4/26/2007				

TOTAL		<b>6826.32</b>	155	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6826.32	155				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		4:00 PM	4/26/2007	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		8:00 PM	4/26/2007	Bbls CMT CIRC to surface			59
BEGIN CIRC		8:30 PM	4/26/2007	RECIPROCATED PIPE FOR			THRUSTROKE
BEGIN PUMP CMT		10:22 PM	4/26/2007	DID BACK PRES. VALVE HOLD ?			Yes
BEGIN DSPL. CMT		11:24 PM	4/26/2007	BUMPED PLUG TO			2350 PSI
PLUG DOWN		11:23 PM	4/26/2007				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	400	Premlite II w/ 10% gel + 3 % KCL, 5#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.49 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING			
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Don Bastian DATE 4/26/2007

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

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:

**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.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		8. WELL NAME and NUMBER: HANCOCK 11-21-4-1
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4301333242
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: 1590 FSL 1960 FWL		COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 21, T4S, R1W		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small>  Approximate date work will <u>05/30/2007</u>	<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"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>  Date of Work Completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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 type="checkbox"/> OTHER: -
	<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.

Formation water is produced 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.

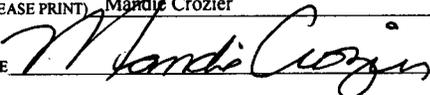
Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

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

**RECEIVED**

**JUN 04 2007**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Mandi Crozier</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE 	DATE <u>05/31/2007</u>

(This space for State use only)

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**FEE**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**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.

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR:  
**NEWFIELD PRODUCTION COMPANY**

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1590 FSL 1960 FWL      COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 21, T4S, R1W      STATE: UT

8. WELL NAME and NUMBER:  
**HANCOCK 11-21-4-1**

9. API NUMBER:  
**4301333242**

10. FIELD AND POOL, OR WILDCAT:  
**MONUMENT BUTTE**

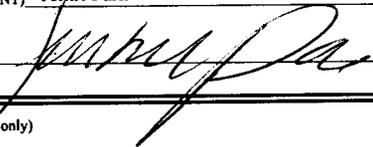
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>06/06/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 05/30/07, attached is a daily completion status report.

**RECEIVED**  
**JUN 08 2007**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jentri Park      TITLE Production Clerk

SIGNATURE       DATE 06/06/2007

(This space for State use only)

## Daily Activity Report

Format For Sundry

**HANCOCK 11-21-4-1**

**3/1/2007 To 7/30/2007**

**5/12/2007 Day: 1**

**Completion**

Rigless on 5/11/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6636' & cement top @ 40'. Perforate stage #1, CP5 sds @ 6592-6601', 6571-75' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 52 shots. 159 bbls EWTR. SIFN.

**5/22/2007 Day: 2**

**Completion**

Rigless on 5/21/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac stage #1, CP5 sds down casing w/ 40,137#'s of 20/40 sand in 441 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2690 psi. Treated @ ave pressure of 2671 @ ave rate of 24.6 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2700. 600 bbls EWTR. Leave pressure on well RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite solid plug & 8' perf gun. Set plug @ 6530'. Perforate CP4 sds @ 6495-6503' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 32 shots. RU BJ & perfs won't break down. RIH & had to bust out bridge to get to perfs twice (still won't break down). Decision made to pass stage #2 for now. RIH w/ solid plug & 10' perf gun. Set plug @ 6455'. Perforate CP3 sds @ 6420-30' w/ 4 spf for total of 40 shots. RU BJ & frac stage #3 w/ 19,168#'s of 20/40 sand in 335 bbls of Lightning 17 frac fluid. Open well w/ 640 psi on casing. Perfs broke down @ 3747 psi. Treated @ ave pressure of 2163 @ ave rate of 24.6 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1985. 935 bbls EWTR. Leave pressure on well. SIFN.

**5/23/2007 Day: 3**

**Completion**

Rigless on 5/22/2007 - RU WLT. RIH w/ solid plug & 18' perf gun. Set plug @ 6360'. Perforate CP1 sds @ 6302-20' w/ 4 spf for total of 72 shots. RU BJ & frac stage #4 w/ 90,379#'s of 20/40 sand in 701 bbls of Lightning 17 frac fluid. Open well w/ 656 psi on casing. Perfs broke down @ 1736 psi. Treated @ ave pressure of 1886 @ ave rate of 24.7 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2300. 1636 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 12' perf gun. Set plug @ 5760'. Perforate C sds @ 5638-50' w/ 4 spf for total of 48 shots. RU BJ & frac stage #5 w/ 81,468#'s of 20/40 sand in 622 bbls of Lightning 17 frac fluid. Open well w/ 1615 psi on casing. Perfs broke down @ 2122 psi. Treated @ ave pressure of 1710 @ ave rate of 24.9 bpm w/ 8 ppg of sand. ISIP was 2235. 2258 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 200 bbls rec'd. SIFN.

**5/24/2007 Day: 4**

**Completion**

NC #3 on 5/23/2007 - MIRUSU. ND frac head & BOP. NU production head & BOP. X-over to tbg eq. RU rig floor. PU TIH w/ 4 3/4 chomp bit & 183- jts 2 7/8 tbg. Tag plug @ 5750', drill out. PU TIH w/ 2 7/8 tbg to jt # 202. Tag fill @ 6310', clean out to plug @ 6370', drill out plug. CWC. TOH w/ 2- jts 2 7/8 tbg. SDFD @ 7:00.

**5/25/2007 Day: 5**

**Completion**

NC #3 on 5/24/2007 - PU TIH w/ tbg to fill @ 6400'. Clean out fill & drill out Plg @ 6455'. TIH w/ tbg to fill @ 6474'. Clean out fill & drill out plg @ 6530'. TIH w/ tbg to fill @ 6565'. Clean out fill to PBTD @ 6655'. CWC. RD power swivel. TOH w/ 213- jts 2 7/8, chomp bit. PU TIH w/ Plg & Pkr combo & 209- jts 2 7/8. Set Plg @ 6540'. TOH w/ 3- jts 2 7/8. Pkr @ 6447'. Wait for frac crew. SDFD @ 4:00.

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**5/26/2007 Day: 6**

**Completion**

NC #3 on 5/25/2007 - Open well w/ 0 psi on casing. Set packer @ 6447'. Fill casing w/ 1 bbl. RU BJ & frac CP4 sds w/ 41,100#'s of 20/40 sand in 331 bbls of Lightning 17 frac fluid. Perfs broke down @ 2558 psi. Treated @ ave pressure of 3290 @ ave rate of w/ 6.5 ppg of sand. ISIP was 2302. Flow well back. Well flowed for 1 hours & died w/ 40 bbls rec'd. Pressure casing to 200 psi. Release pkr. Circulate tbg clean. TIH w/ tbg to tag ' of fill in RBP. C/O to RBP & release. TOOH w/ tbg to 5550'. SDFD @

---

**5/30/2007 Day: 7**

**Completion**

NC #3 on 5/29/2007 - OWU. 300 psi on csg & 150 psi on tbg. RU rig pump & CWC. TOH w/ tbg & Plg & Pkr combo. PU TIH w/ bar NC & 213- jts 2 7/8. No new fill. LD 3- jts 2 7/8. EOT @ 6565'. RU sandline to swab. IFL @ 300'. Made 12 swab runs. Recovered 160 bbls total fluid w/ final oil cut @ 20% w/ no sand. FFL @ 1400'. RD sandline. TIH w/ 3- jts 2 7/8. Tag fill @ 6650'. Clean out fill to PBTD @ 6690'. CWC. LD 3- jts 2 7/8. TOH w/ 2 7/8 tbg & bar NC. PU TIH w/ BP, 3- jts 2 7/8, GA, 1- jt 2 7/8, SN, 1- jt 2 7/8, TA, 20- jts 2 7/8. SDFD @ 6:30.

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**5/31/2007 Day: 8**

**Completion**

NC #3 on 5/30/2007 - TIH w/ 186- jts 2 7/8. RD rig floor. ND BOP. Set TA w/ 15000 tension. NU wellhead. Flush tbg w/ 60 bbls water. X- over to rod eq. PU TIH w/ 2 1/2 x 1 1/2 x 12 x 16 RHAC, 6- 1 1/2 wt bars, 10- 3/4 guided rods, 143- 3/4 plain rods, 100- 7/8 guided rods, 8', 6', 4', 4', x 7/8 pony rods, 1 1/2 x 26' polish rod. RU pumping unit. W/ tbg full stroke test rod pump to 800 psi. Good test. RD MOSU @ 6:30 POP @ 6:30 W/ 102 SL 4 1/2 SPM FINAL REPORT!!

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**Pertinent Files: Go to File List**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

<p><b>1a. TYPE OF WORK</b></p> <p>OIL WELL <input checked="" type="checkbox"/>      GAS WELL <input type="checkbox"/>      DRY <input type="checkbox"/>      Other _____</p> <p><b>1b. TYPE OF WELL</b></p> <p>NEW WELL <input checked="" type="checkbox"/>      WORK OVER <input type="checkbox"/>      DEEPEN <input type="checkbox"/>      PLUG BACK <input type="checkbox"/>      DIFF RESVR. <input type="checkbox"/>      Other _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <b>FEE</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>NA</b></p> <p>7. UNIT AGREEMENT NAME <b>Hancock</b></p> <p>8. FARM OR LEASE NAME, WELL NO. <b>Hancock 11-21-4-1</b></p>
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2. NAME OF OPERATOR  
**Newfield Exploration Company**

3. ADDRESS AND TELEPHONE NO.  
**1401 17th St. Suite 1000 Denver, CO 80202**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
At Surface **1700' ESL & 1748' FWL (NE/SW) Sec. 21, T4S, R1E**  
At top prod. Interval reported below **1590 fsl 1960 fwl**

14. API NO. <b>43-013-33242</b>	DATE ISSUED <b>03/22/07</b>	12. COUNTY OR PARISH <b>Duchesne</b>	13. STATE <b>UT</b>
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15. DATE SPUNDED <b>04/13/07</b>	16. DATE T.D. REACHED <b>04/25/07</b>	17. DATE COMPL. (Ready to prod.) <b>05/30/07</b>	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>5159' GL      5171' KB</b>	19. ELEV. CASINGHEAD
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20. TOTAL DEPTH, MD & TVD <b>6750'</b>	21. PLUG BACK T.D., MD & TVD <b>6690'</b>	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY <b>-----&gt;</b>	ROTARY TOOLS <b>X</b>	CABLE TOOLS
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**Green River 5638'-6601'**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log**

27. WAS WELL CORED  
**No**

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	321'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6730'	7-7/8"	400 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6614'	TA @ 6449'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
(CP5) 6592'-6601', 6571'-75'	.49"	4/52	6571'-6601'	Frac w/ 40,137# 20/40 sand in 441 bbls fluid	
(CP4) 6495'-6503'	.49"	4/32	6495'-6503'	No Frac	
(CP3) 6420'-30'	.49"	4/40	6420'-6430'	Frac w/ 19,168# 20/40 sand in 335 bbls fluid	
(CP1) 6302'-6320'	.49"	4/72	6302'-6320'	Frac w/ 90,379# 20/40 sand in 701 bbls fluid	
(C) 5638'-5650'	.49"	4/48	5638'-5650'	Frac w/ 81,468# 20/40s and in 622 bbls fluid	

33.\* PRODUCTION

DATE FIRST PRODUCTION <b>05/30/07</b>	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>2-1/2" x 1-1/2" x 12' x 16' RHAC SM Plunger Pump</b>	WELL STATUS (Producing or shut-in) <b>PRODUCING</b>					
DATE OF TEST <b>10 day ave</b>	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD <b>-----&gt;</b>	OIL--BBL. <b>51</b>	GAS--MCF. <b>18</b>	WATER--BBL. <b>75</b>	GAS-OIL RATIO <b>353</b>
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE <b>-----&gt;</b>	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Sold & Used for Fuel**

TEST WITNESSED BY  
**JUN 15 2007**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Jentri Park* TITLE Production Clerk DATE 6/12/2007

DIV. OF OIL, GAS & MINING

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Hancock 11-21-4-1	Garden Gulch Mkr	4408'	
				Garden Gulch 1	4606'	
				Garden Gulch 2	4726'	
				Point 3 Mkr	5016'	
				X Mkr	5248'	
				Y-Mkr	5278'	
				Douglas Creek Mkr	5416'	
				BiCarbonate Mkr	5705'	
				B Limestone Mkr	5841'	
				Castle Peak	6256'	
				Basal Carbonate	6666'	
				Total Depth (LOGGERS)	6732'	



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

43 013 33242  
Hancock 11-21-4-1  
21 43 1W

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

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.

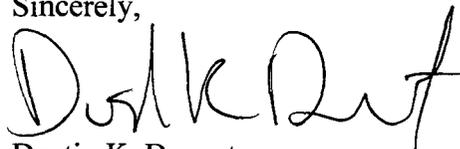
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

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

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITLA

# ATTACHMENT A

	<b>Well Name</b>	<b>API</b>	<b>LEASE</b>	<b>Years.Months Inactive</b>
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

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