

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR PERMIT TO DRILL, DEEPEN**

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

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

2. NAME OF OPERATOR  
**Newfield Production Company**  
 3. ADDRESS AND TELEPHONE NUMBER:  
**Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721**

4. LOCATION OF WELL (FOOTAGE)  
 At Surface **NE/SW 583295X 1963' FSL 1817' FWL**  
 At proposed Producing Zone **4441187Y 40-118765 -110.022531**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 8.4 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) <b>Approx. 497' 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>6950'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5207' GL**  
 22. APPROX. DATE WORK WILL START\*  
**4th Quarter 2008**

**23. PROPOSED CASING AND CEMENTING PROGRAM**

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

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

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

**SURFACE PIPE** - 155 sx Class G Cement +/- 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

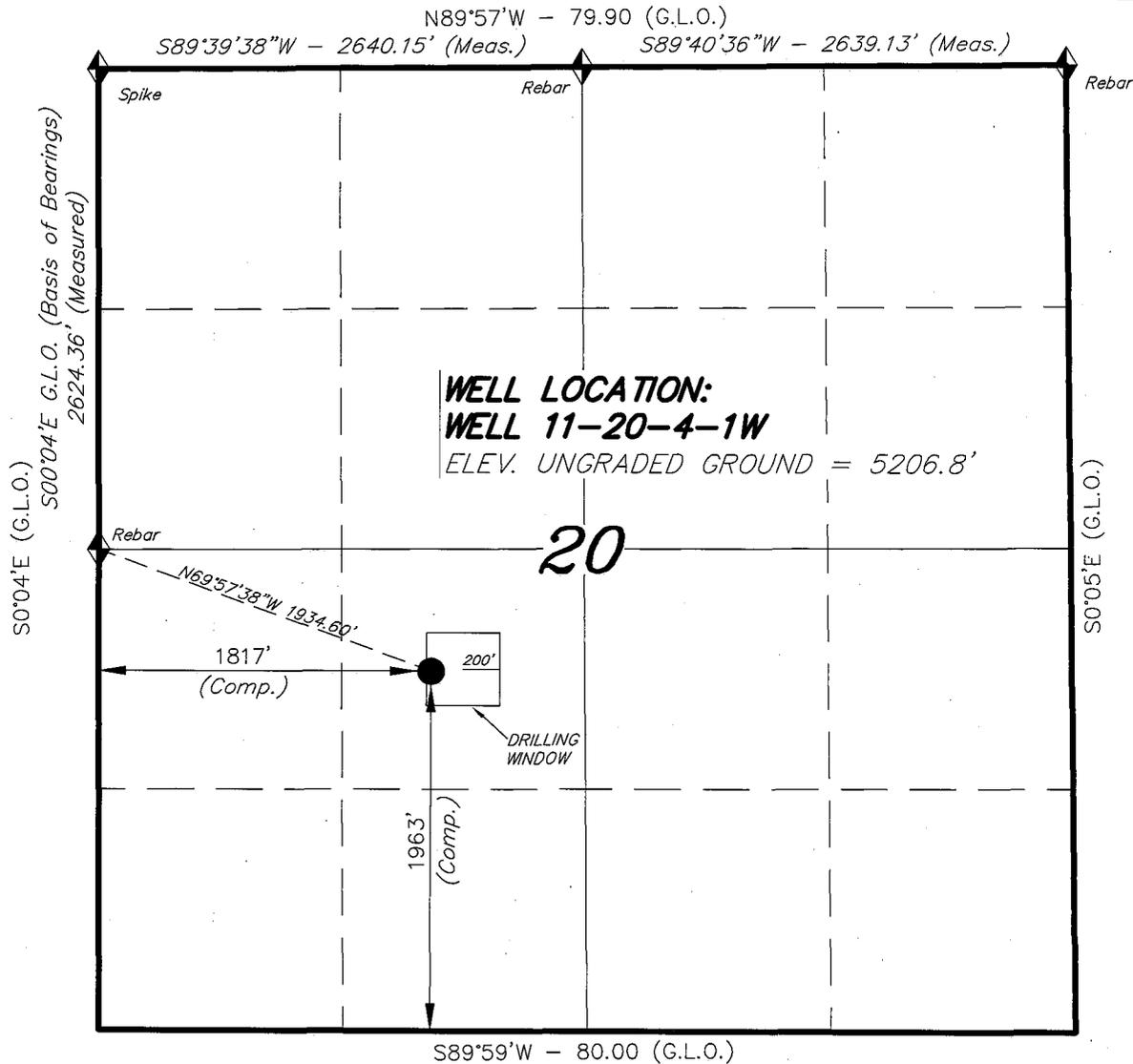
24. Name & Signature *Mandie Crozier* Title: Regulatory Specialist Date: 8/19/2008  
**Mandie Crozier**

(This space for State use only)  
 API Number Assigned: 43013-34063 APPROVAL: \_\_\_\_\_

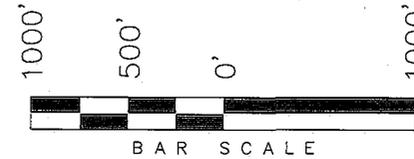
**RECEIVED**  
**AUG 25 2008**  
 DIV. OF OIL, GAS & MINING

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

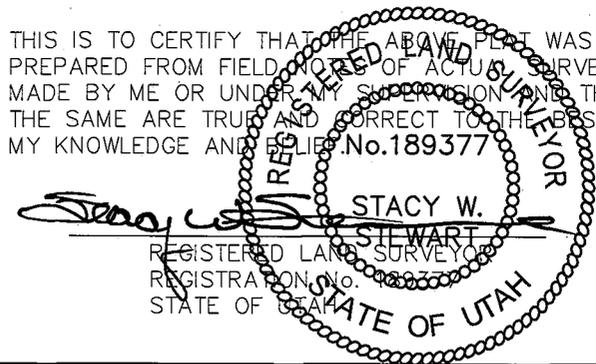
# NEWFIELD PRODUCTION COMPANY



WELL LOCATION, WELL 11-20-4-1W,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 20, T4S, R1W, U.S.B.&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



◆ = SECTION CORNERS LOCATED

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

**WELL 11-20-4-1W**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 07' 07.40"  
 LONGITUDE = 110° 01' 23.93"

## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 06-25-2008	SURVEYED BY: T.H.
DATE DRAWN: 06-27-2008	DRAWN BY: R.A.B.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
MALNAR 11-20-4-1  
NE/SW SECTION 20, T4S, R1W  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 – 2,010'
Green River	2,010'
Wasatch	6,950'

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

Green River Formation (Oil) 2,010' – 6,950'

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

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

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

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

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

4. PROPOSED CASING PROGRAM:

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

From surface to ±350 feet will be drilled with an air/mist system. From about 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

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

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 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:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

It is anticipated that the drilling operations will commence the fourth quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY  
MALNAR 11-20-4-1  
NE/SW SECTION 20, T4S, R1W  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Malnar 11-20-4-1 located in the NE¼ SW¼ Section 20, T4S, R1W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, approximately 3.0 miles to it's junction with an existing road to the east; proceed easterly and then southerly approximately 3.2 miles to it's junction with an existing road to the east; proceed in a southeasterly direction approximately 1.3 miles to it's junction with an existing road to the southwest; proceed southwesterly approximately 0.5 miles to it's junction with the beginning of the proposed access road to the southeast; proceed southeasterly along the proposed access road approximately 2,110' 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 2,110' of access road is proposed. See attached **Topographic Map "B"**.

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

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

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

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

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

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

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

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

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

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

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

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

a) **Producing Location**

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

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

b) **Dry Hole Abandoned Location**

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

11. **SURFACE OWNERSHIP:** Alpine Springs LLC.  
See attached Easement ROW and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

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

**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 Malnar 11-20-4-1, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Malnar 11-20-4-1 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Representative

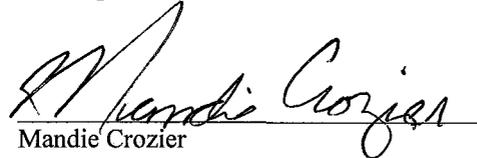
Name: Dave Allred  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #11-20-4-1, NE/SW Section 20, T4S, R1W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

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

8/19/08  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

MEMORANDUM  
of  
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 February, 2007 by and between **Alpine Springs, LLC**, whose address is **4722 Bountiful Ridge Drive, Bountiful, UT 84010-5888** ("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 County, Utah described as follows:

Township 4 South, Range 1 West

Section 19: NESE

Section 20: N/2SW, North 40 rods of the SWSW (ada N/2SWSW)

being, 140 acres more or less,

and associated roads and pipeline routes beginning at each wellsite and traversing the lands as shall be agreed upon prior to the construction of same.

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

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated February 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.

ALPINE SPRINGS, LLC

By: Deedre Adamson  
Deedre Adamson  
Title: Manager

NEWFIELD PRODUCTION COMPANY

By: Gary D. Packer *KHP*  
Gary D. Packer, President

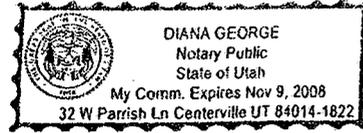
STATE OF UTAH )  
 )ss  
COUNTY OF Davis )

This instrument was acknowledged before me this 15 day of February, 2007 by Deedre Adamson as Manager, on behalf of Alpine Springs, LLC.

Witness my hand and official seal.

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

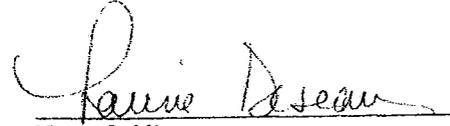
My commission expires November 9, 2008



STATE OF COLORADO )  
 )ss  
COUNTY OF Denver )

This instrument was acknowledged before me this February 28, 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.

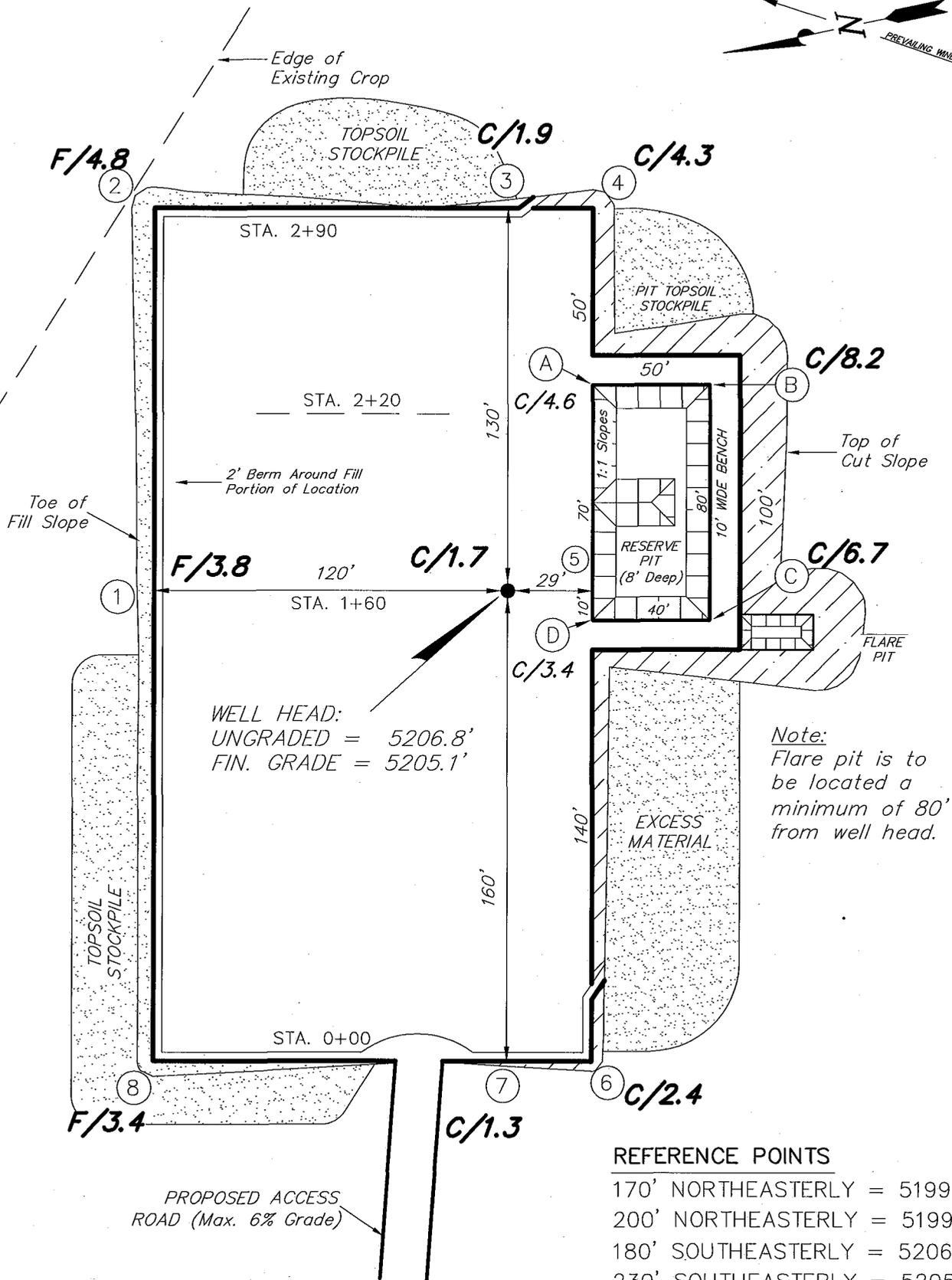
  
\_\_\_\_\_  
Notary Public

My Commission Expires 05/05/2008  
My commission expires \_\_\_\_\_

# NEWFIELD PRODUCTION COMPANY

WELL 11-20-4-1W

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



### REFERENCE POINTS

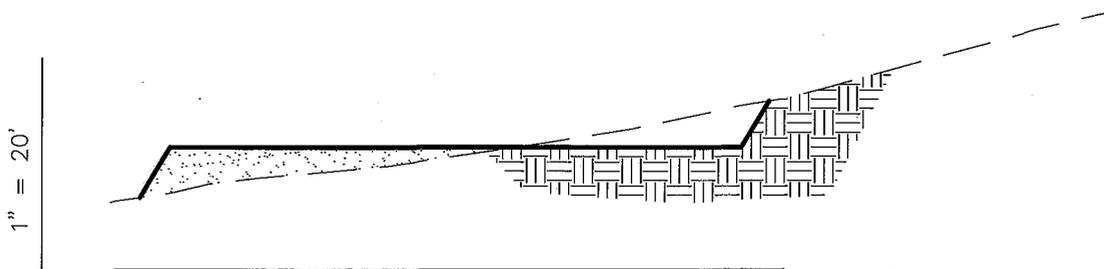
- 170' NORTHEASTERLY = 5199.7'
- 200' NORTHEASTERLY = 5199.1'
- 180' SOUTHEASTERLY = 5206.3'
- 230' SOUTHEASTERLY = 5205.9'

SURVEYED BY: T.H.	DATE SURVEYED: 06-25-08
DRAWN BY: R.A.B.	DATE DRAWN: 06-30-08
SCALE: 1" = 50'	REVISED:

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

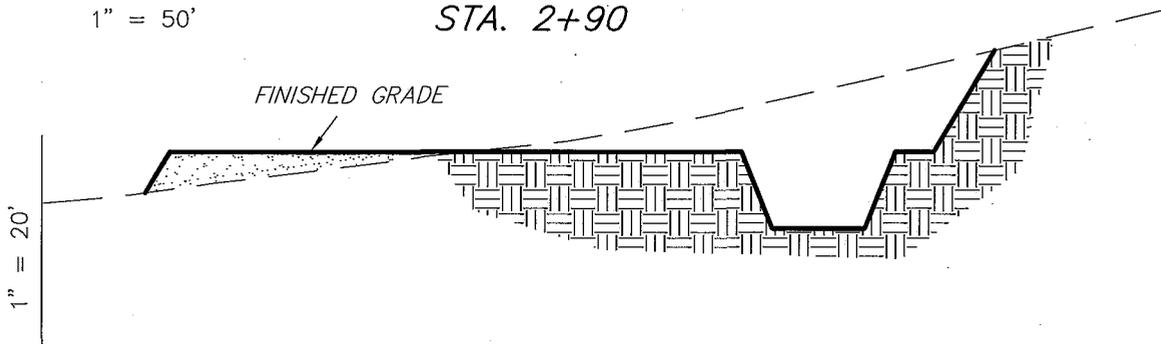
# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS WELL 11-20-4-1W



1" = 50'

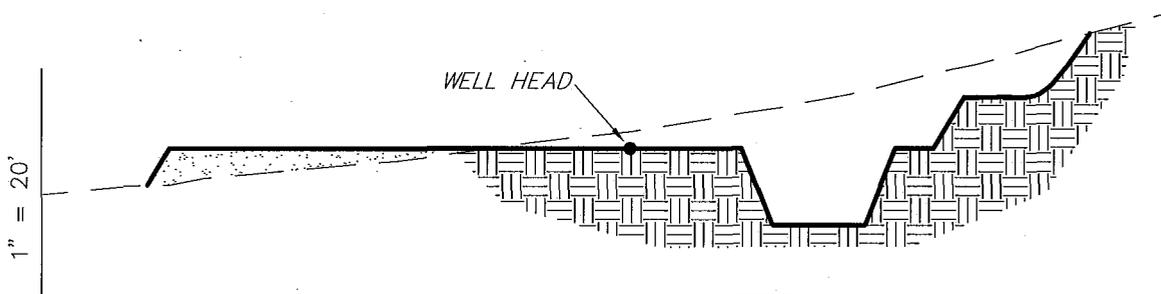
STA. 2+90



1" = 20'

1" = 50'

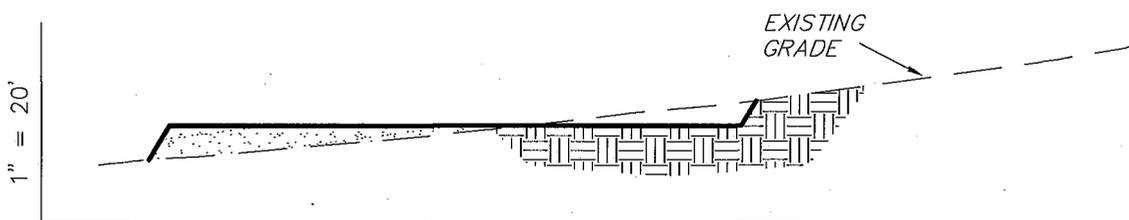
STA. 2+20



1" = 20'

1" = 50'

STA. 1+60



1" = 20'

1" = 50'

STA. 0+00

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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,490	2,480	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	3,130	2,480	1,031	650

SURVEYED BY: T.H.

DATE SURVEYED: 06-25-08

DRAWN BY: R.A.B.

DATE DRAWN: 06-30-08

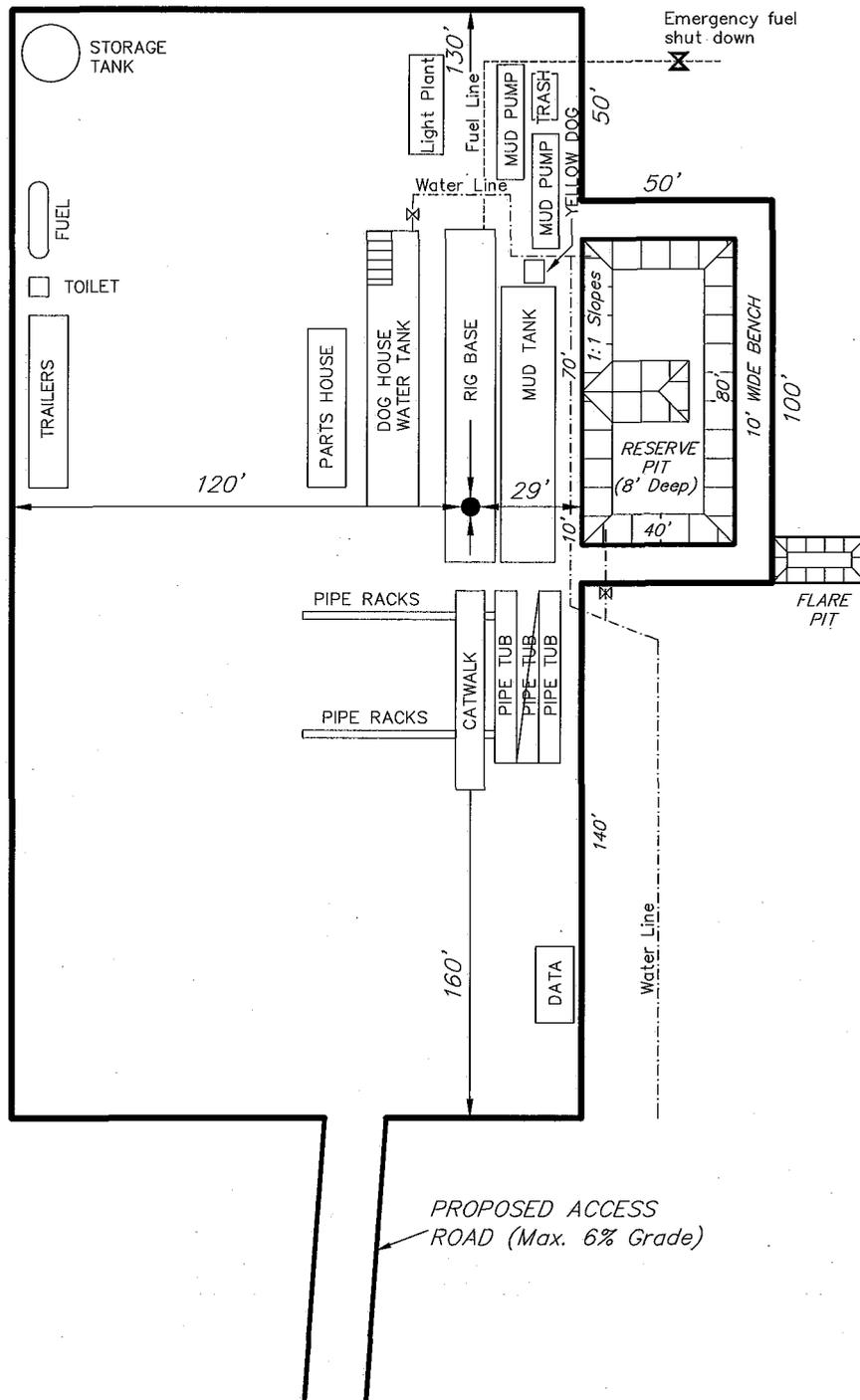
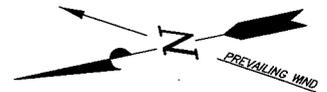
SCALE: 1" = 50'

REVISED:

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

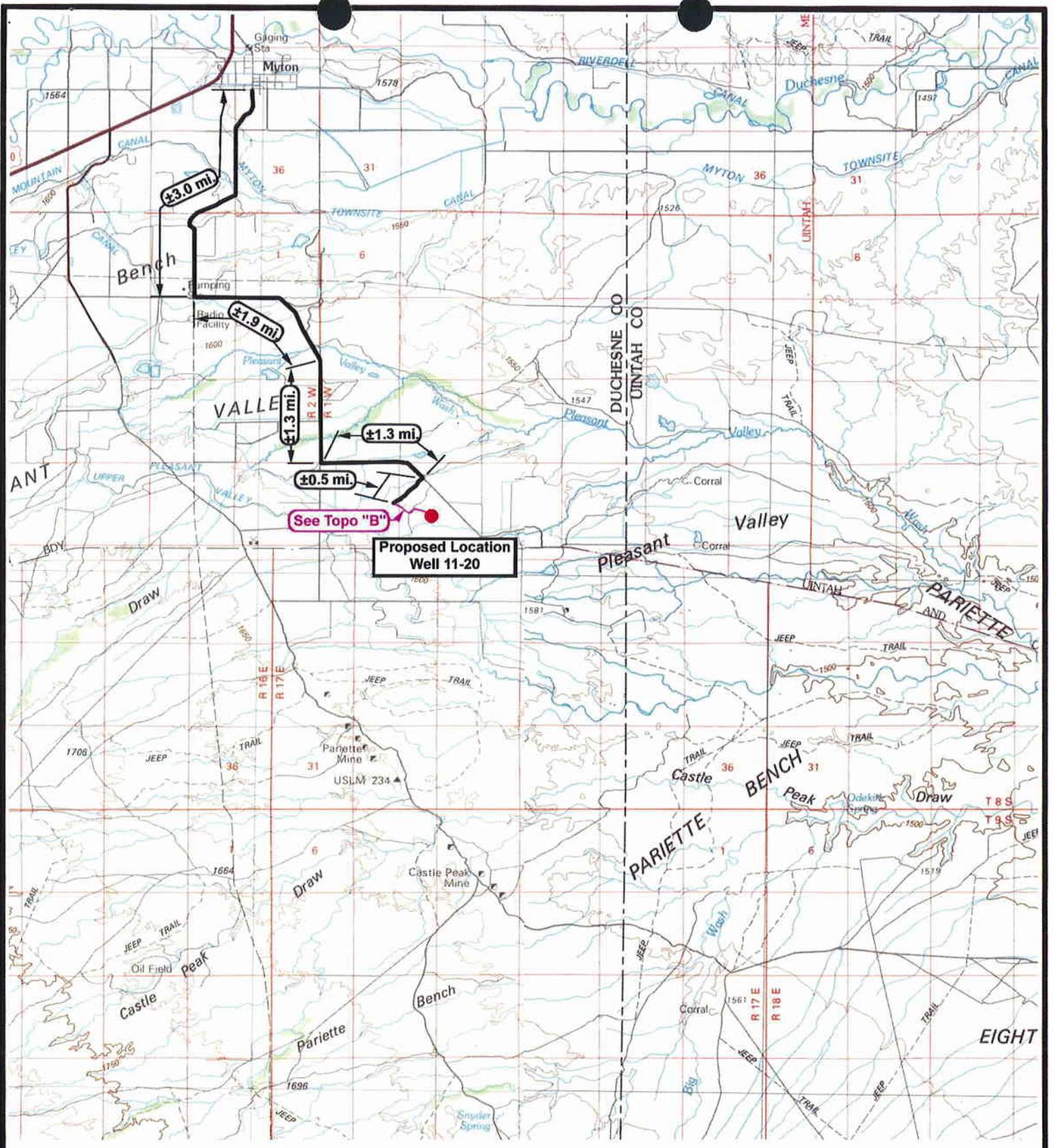
# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT WELL 11-20-4-1W



SURVEYED BY: T.H.	DATE SURVEYED: 06-25-08
DRAWN BY: R.A.B.	DATE DRAWN: 06-30-08
SCALE: 1" = 50'	REVISED:


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



See Topo "B"

**Proposed Location Well 11-20**

**NEWFIELD**  
Exploration Company

---

**Well 11-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B.&M.**



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

---

SCALE: 1:100,000  
DRAWN BY: JAS  
DATE: 07-31-2008

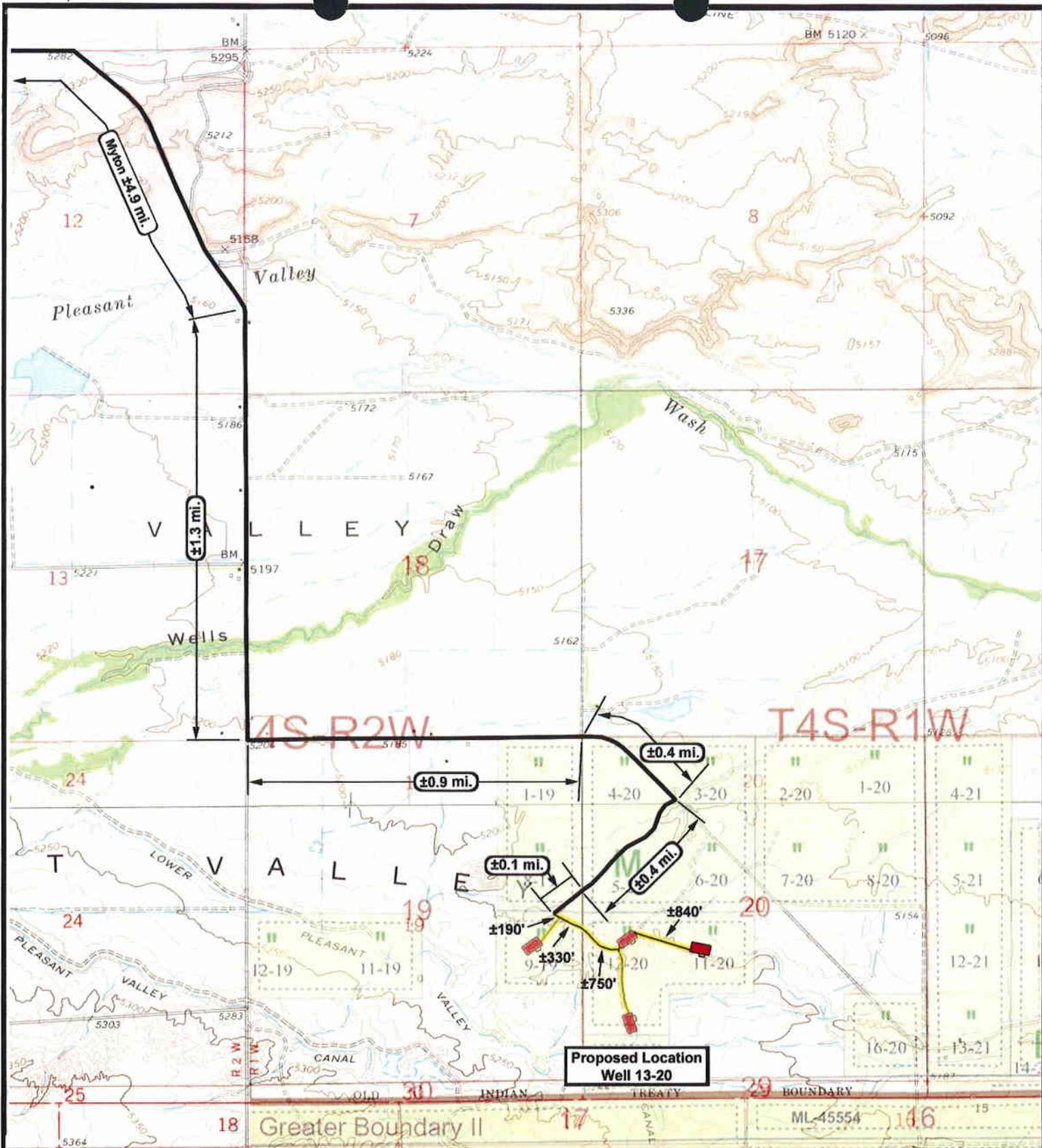
**Legend**

- Existing Road
- Proposed Access

---

TOPOGRAPHIC MAP

**"A"**



**NEWFIELD**  
Exploration Company

**Well 11-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B.&M.**

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

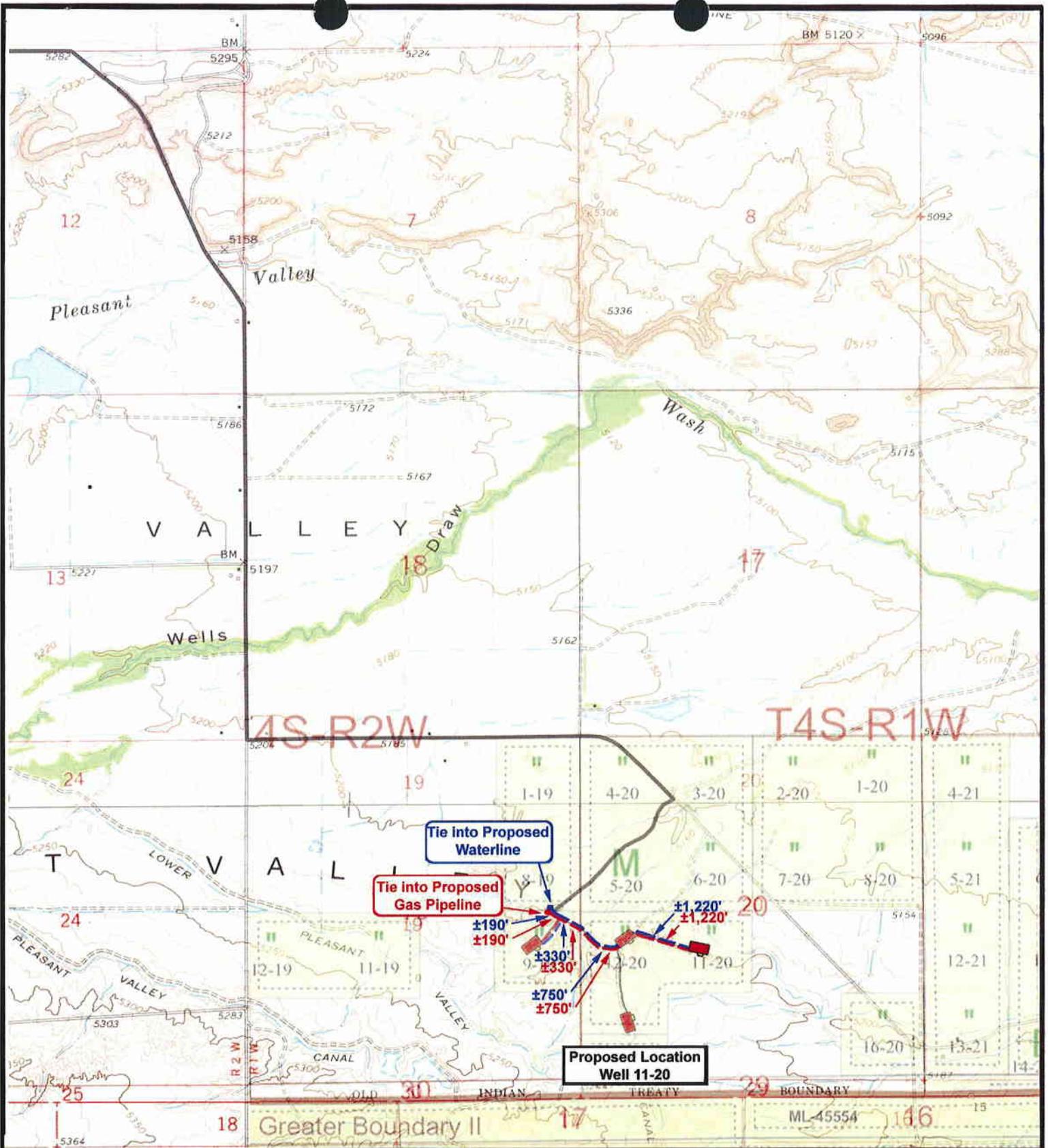
SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 07-31-2008

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"B"**




**NEWFIELD**  
Exploration Company

---

**Well 11-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B.&M.**




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

---

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 07-31-2008

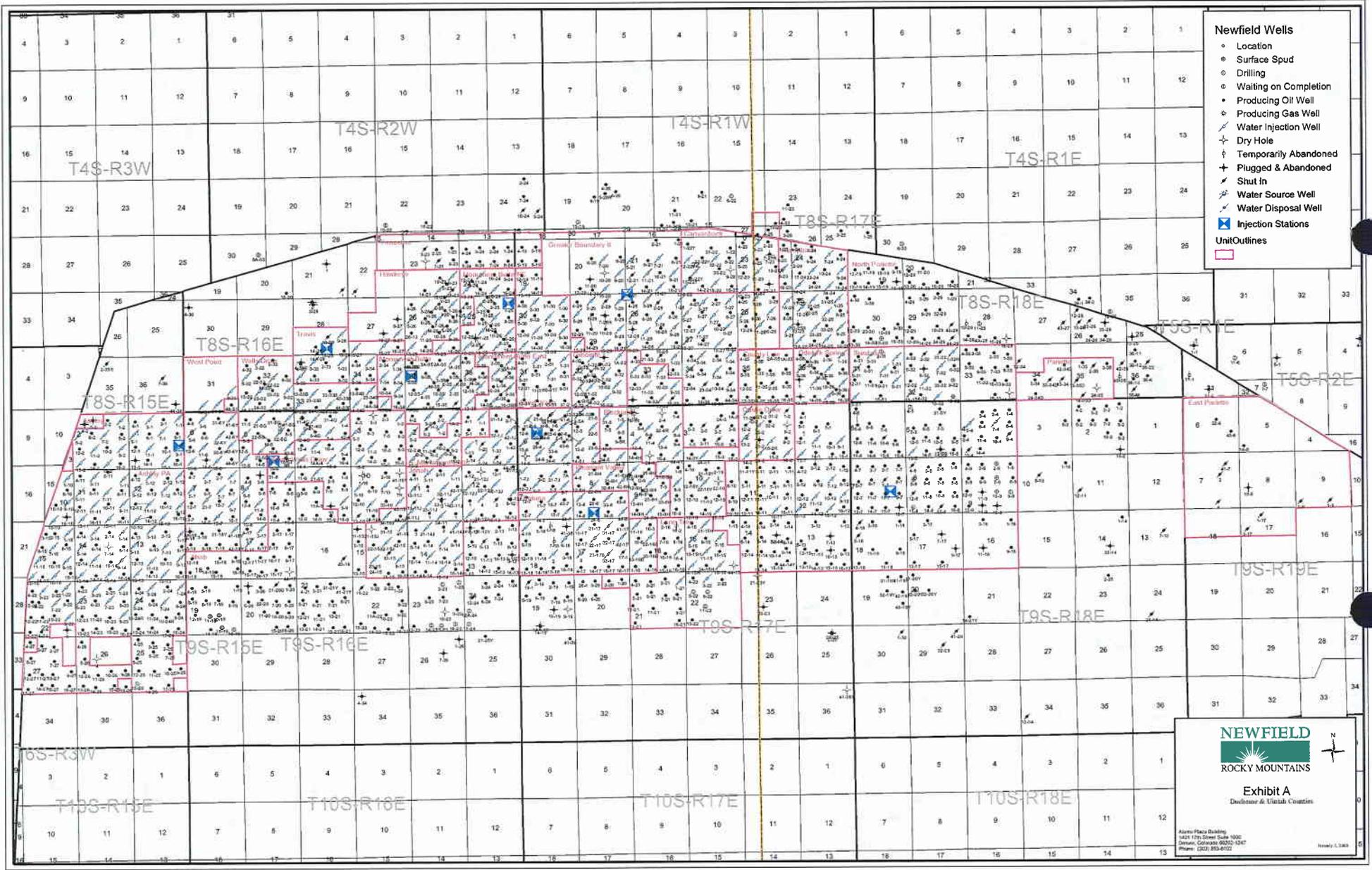
**Legend**

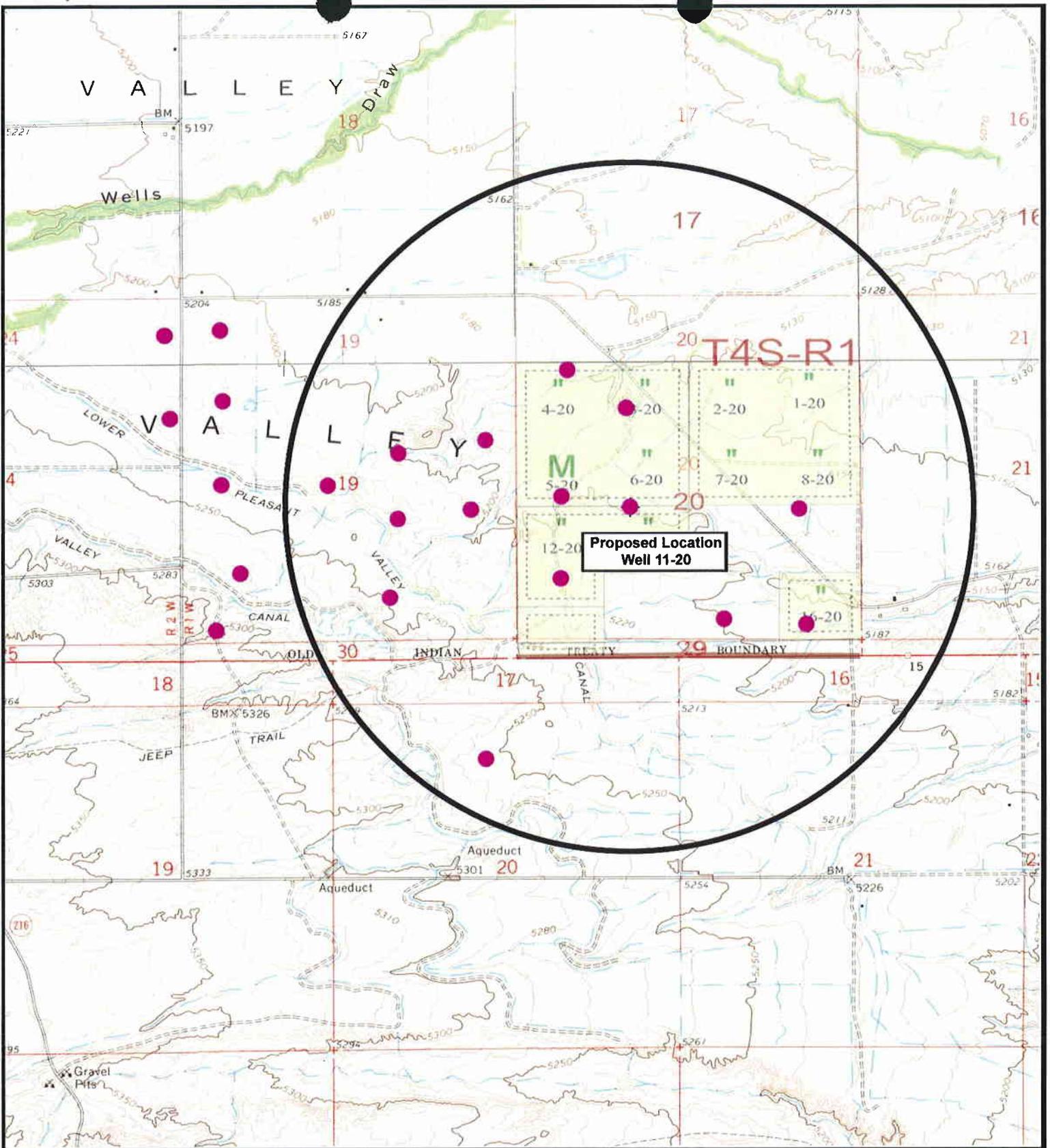
-  Roads
-  Proposed Gas Line
-  Proposed Water Line

---

TOPOGRAPHIC MAP

"C"






**NEWFIELD**  
Exploration Company

**Well 11-20-4-1W**  
**SEC. 20, T4S, R1W, U.S.B.&M.**




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

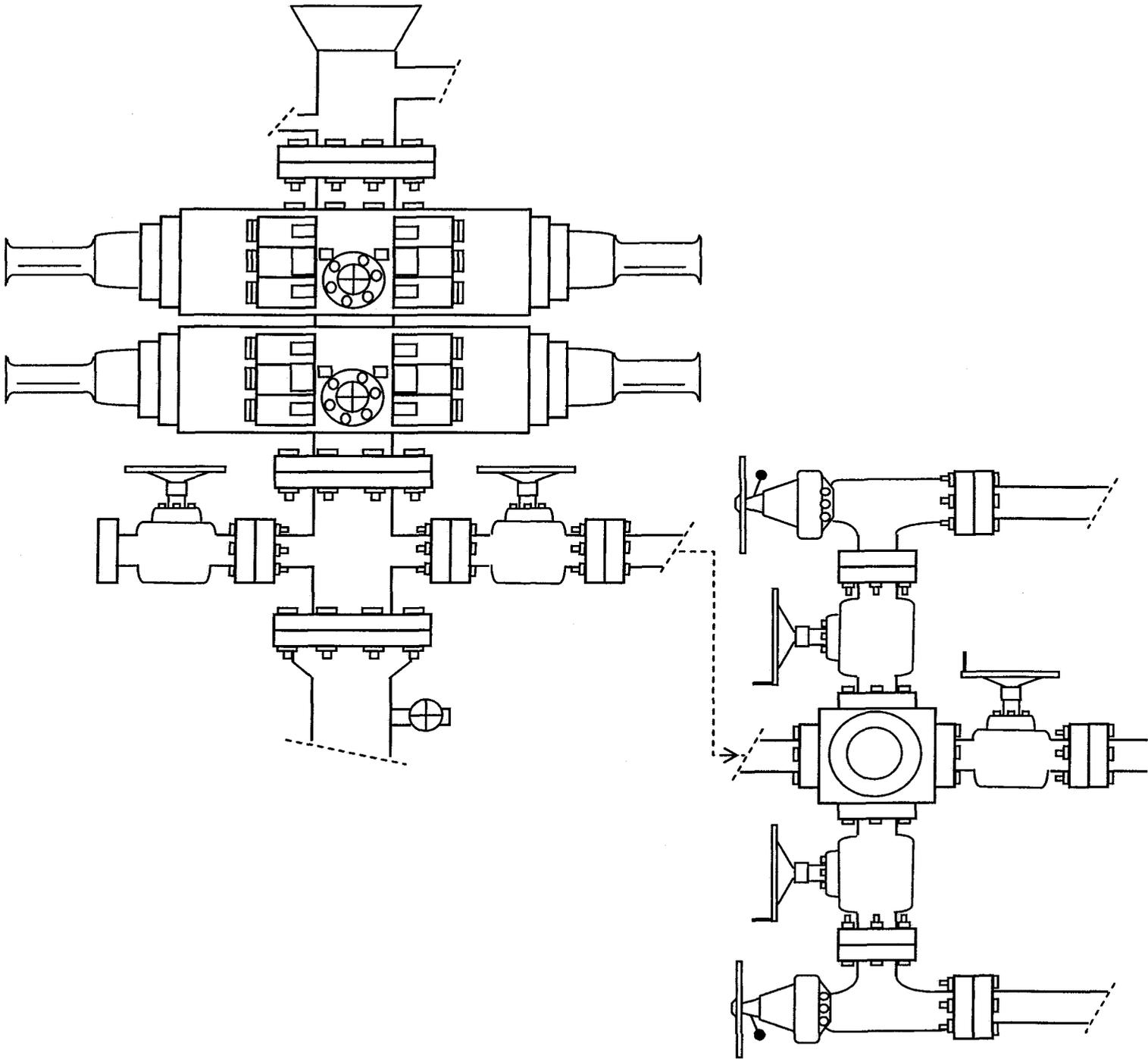
SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 07-31-2008

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

**2-M SYSTEM**  
Blowout Prevention Equipment Systems



**EXHIBIT C**

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/25/2008

API NO. ASSIGNED: 43-013-34063

WELL NAME: MALNAR 11-20-4-1  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 20 040S 010W  
 SURFACE: 1963 FSL 1817 FWL  
 BOTTOM: 1963 FSL 1817 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.11877 LONGITUDE: -110.0225  
 UTM SURF EASTINGS: 583295 NORTHINGS: 4441187  
 FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DRCO	12/4/08
Geology		
Surface		

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

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 6001834 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10136 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

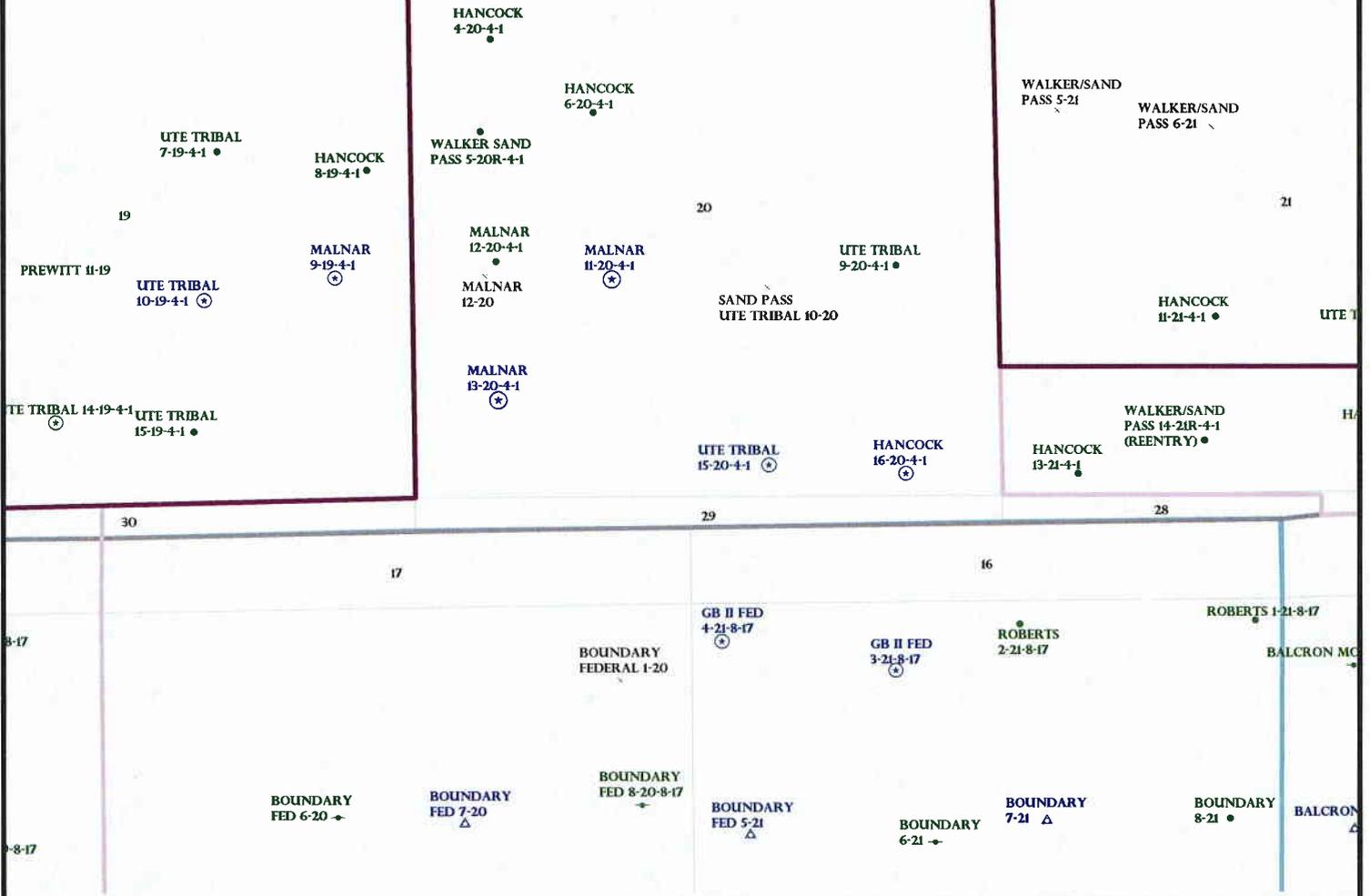
- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: \_\_\_\_\_
- Eff Date: \_\_\_\_\_
- Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (09-23-08)

STIPULATIONS: 1- Spacing Strip  
2- STATEMENT OF BASIS  
3- Surface Csg Curt strip

T4S R1W

# MONUMENT BUTTE FIELD



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 20 T.4S R. 1W

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

**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

**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



PREPARED BY: DIANA MASON  
DATE: 28-AUGUST-2008

# Application for Permit to Drill

## Statement of Basis

10/2/2008

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
1008	43-013-34063-00-00		OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>		
<b>Well Name</b>	MALNAR 11-20-4-1	<b>Unit</b>			
<b>Field</b>	MONUMENT BUTTE	<b>Type of Work</b>			
<b>Location</b>	NESW 20 4S 1W U 1963 FSL 1817 FWL GPS Coord (UTM) 583295E 4441187N				

### Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 500'. A search of Division of Water Rights records shows 12 water wells within a 10,000 foot radius of the center of Section 20. All wells are privately owned. Three of these wells are within 1 mile from the proposed location. Depth is listed for only 1 well and is shown as 24 feet in depth. Water use is listed as irrigation, stock watering, and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to cover the estimated base of the moderately saline ground water.

**APD Evaluator**

**Date / Time**

### Surface Statement of Basis

The proposed location is approximately 8.4 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 contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 13 miles downstream from the location. Broad flats frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Seeps are common in the draws. Access is by State and County roads and existing private oilfield development road to within eight hundred and forty feet where a new road will be constructed.

The proposed Malnar 11-20-4-1 oil well location lies longitudinally along the north slope of a gentle ridge. Location corner 2, which is on the northeast corner of the pad, is at the edge of a cultivated field irrigated by a pivot sprinkler system. The location has been moved to the edge of the normal drilling window to avoid this field. No drainages intersect the location and no diversions will be required. No seeps, springs or streams occur in the immediate area. Lower Pleasant Valley canal is about ¼ mile to the southeast. The location appears to be a suitable site for drilling and operating a well.

Surface owner is Alpine Springs L.L.C.. Deedre Adamson is the contact. She was called and invited to the pre-site and said she would not attend. A surface agreement has been completed.

Floyd Bartlett

9/23/2008

**Onsite Evaluator**

**Date / Time**

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

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

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator**----- NEWFIELD PRODUCTION COMPANY-----  
**Well Name** MALNAR 13-20-4-1  
**API Number** 43-013-34062-0 **APD No** 1007 **Field/Unit** MONUMENT BUTTE  
**Location:** 1/4,1/4 SWSW **Sec** 20 **Tw** 4S **Rng** 1W 885 FSL 775 FWL  
**GPS Coord (UTM)** 582974 4440860 **Surface Owner**

### Participants

Floyd Bartlett (DOGM), Kevan Stevens (Newfield), Kory Miller (Tri-State Land Surveying)

### Regional/Local Setting & Topography

The proposed location is approximately 8.4 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 contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 13 miles downstream from the location. Broad flats frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Seeps are common in the draws. Access is by State and County roads and existing private oilfield development road to within one thousand and forty feet where a new road will be constructed.

The proposed pad for the Malnar 13-20-4-1 oil well lies perpendicular to a gentle north slope. To the south, a fence and the lower Pleasant Valley Canal border it. This canal is used during the irrigation system. West of the location is a seep or wet area covered by riparian type vegetation. The small flow in the wet area is probably coming from the canal. The flow and wet area hits the southwest side of the proposed pad. A diversion is needed paralleling the west side of the location and rejoining the drainage beyond the fill portion of the pad. This constructed ditch may need to be armored with rock to keep the bottom from eroding. The location has been moved to the northeast to avoid most of this wet area and is a short distance outside the drilling window. With the modifications above, the location appears to be a suitable site for drilling and operating a well.

Surface owner is Alpine Springs L.L.C.. A surface agreement has been completed.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Agricultural  
Wildlfe Habitat

#### **New Road**

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

**Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

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

West of the location is a seep or wet area covered by riparian type vegetation. The flow and wet area hits the southwest side of the proposed pad.

#### **Flora / Fauna**

Moderately vegetated with greasewood, rye grass, shadscale, broom snakeweed, globe mallow, cheatgrass, curly

mesquite, Gardner saltbrush, Russian thistle, horsebrush and prickly pear.

Deer, coyotes, small mammals and birds. Livestock may graze the area.

**Soil Type and Characteristics**

Moderately deep gavelly, sandy, clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** Y

A diversion is needed paralleling the west side of the location and rejoining the drainage beyond the fill portion of the pad. This constructed ditch may need to be armored with rock to keep the bottom from eroding.

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

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

**Final Score** 65    1    **Sensitivity Level**

**Characteristics / Requirements**

The reserve pit is located in an area of cut in the northeast portion of the location. Dimensions are 40' x 70' x 8' deep. A 16-mil liner with a felt sub-liner as needed will be installed.

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

**Other Observations / Comments**

Floyd Bartlett  
Evaluator

9/23/2008  
Date / Time



Online Services

Agency List

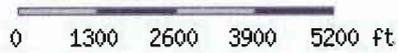
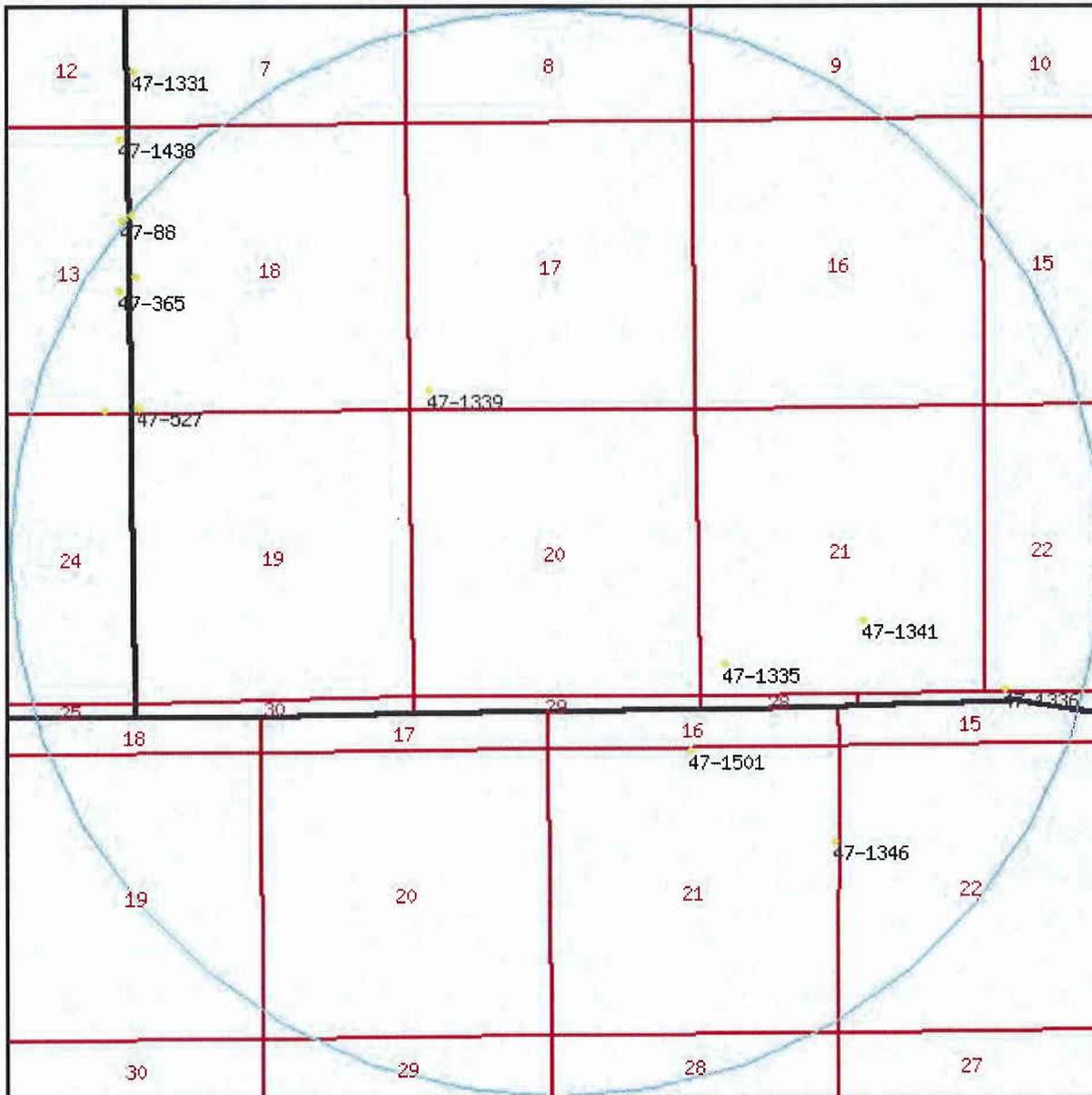
Business

# Utah Division of Water Rights

## WRPLAT Program Output Listing

Version: 2007.04.13.01    Rundate: 10/02/2008 10:51 AM

Radius search of 10000 feet from a point N2640 E2640 from the SW corner, section 20, Township 4S, Range 1W, US b&m Criteria:wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



## Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner
<u>47-1331</u>	Underground N1030 E100 SW 07 4S 1W US		P	19481202	DS	0.015	0.000	RUDOLPH J. MA 7504 WATERLO
<u>47-1334</u>	Underground N120 E150 SW 18 4S 1W US		P	19450306	DS	0.015	0.000	MARVIN L. ROS MYTON UT 840
<u>47-1335</u>	Underground S2050 E470 W4 21 4S 1W US		P	19470807	D	0.015	0.000	HOWARD D. RO MYTON UT 840
<u>47-1336</u>	Underground N80 E340 SW 22 4S 1W US		P	19470310	D	0.015	0.000	ANDREW M. JO MYTON UT 840
<u>47-1337</u>	Underground S90 E100 W4 18 4S 1W US		P	19471218	DIS	0.011	0.000	SCOTT ERWIN / KAE HARVEY RT 3 BOX 3710
<u>47-1338</u>	Underground S1600 E75 NW 18 4S 1W US		P	19510302	DIS	0.015	0.000	MYTON WARD MYTON UT 840
<u>47-1339</u>	Underground N375 E347 SW 17 4S 1W US		P	19510303	DIS	0.015	0.000	KEN HIGLEY MYTON UT 840
<u>47-1341</u>	Underground N1350 W2230 SE 21 4S 1W US		P	19511018	DS	0.015	0.000	DEAN D. ROBE 68 EAST 400 NO
<u>47-1346</u>	Underground S1730 W100 NE 21 8S 17E SL		P	19550318	D	0.015	0.000	LOUIS CLARK F MYTON UT
<u>47-1438</u>	Underground S200 W130 NE 13 4S 2W US		P	19330000	DIS	0.015	0.000	RUDOLPH J. MA 7504 WATERLO
<u>47-1501</u>	Underground S50 W50 N4 21 8S 17E SL		P	19630905	DIS	0.015	0.000	CLARK AND AR MYTON UT 840
<u>47-255</u>	Underground N60 W470 SE 13 4S 2W US		P	19490711	DIS	0.015	0.000	NATHAN D. ALI MYTON UT 840
<u>47-365</u>	Underground S375 W160 E4 13 4S 2W	<u>well info</u>	P	19630105	S	0.015	0.000	SCOTT ERWIN / KAE HARVEY

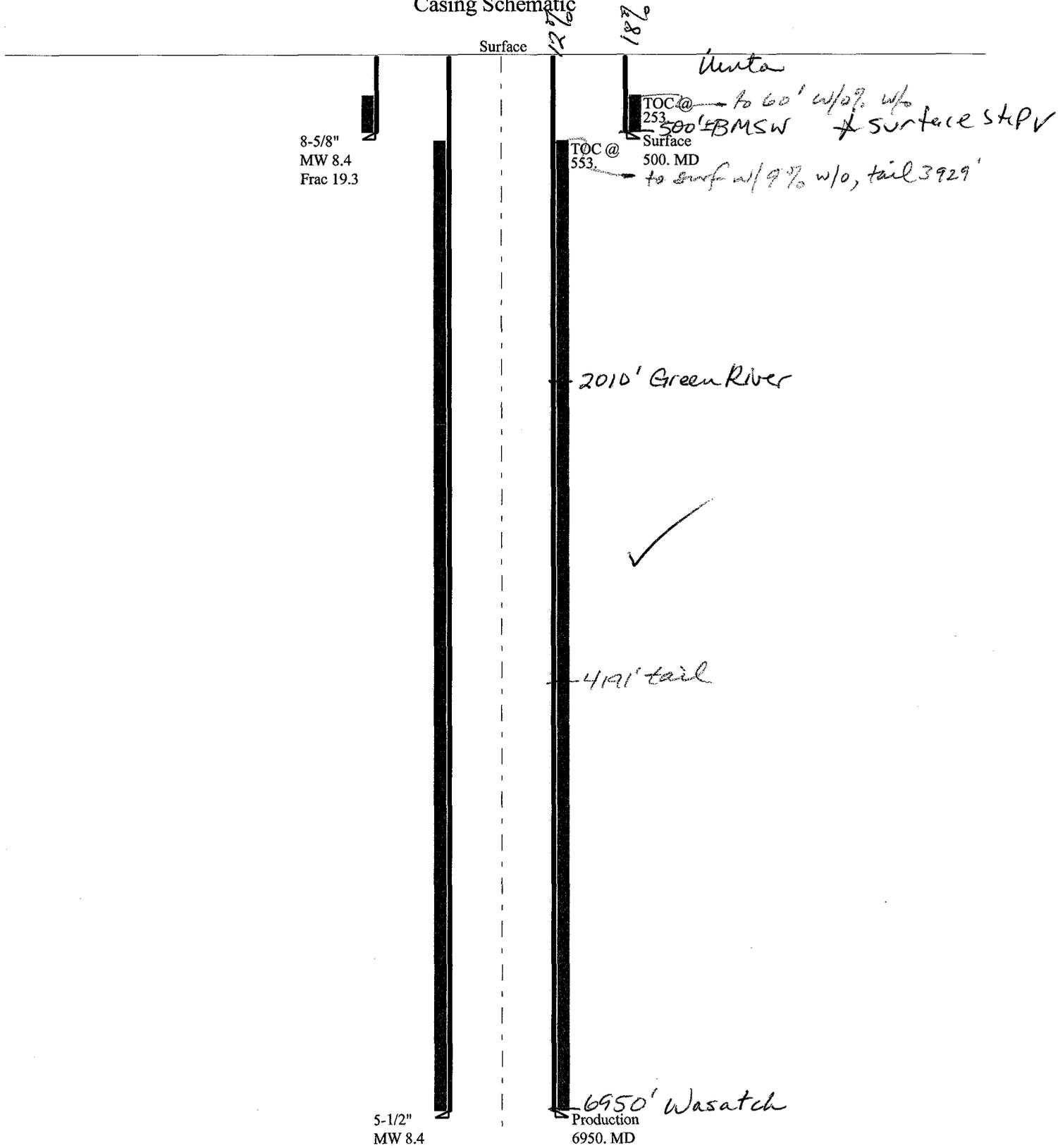
<u>47-527</u>	US Underground N125 E155 SW 18 4S 1W US	P	19660908 DIS 0.015 0.000	RT. 3 BOX 3710 MARVIN L. ROS MYTON UT 8404
<u>47-88</u>	US Underground N950 W140 E4 13 4S 2W US	P	19470120 DIS 0.015 0.000	VINCENT CARR ROUTE 3 BOX 3

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240

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43013340630000 Malnar 11-20-4-1

Casing Schematic



Well name:	<b>43013340630000 Malnar 11-20-4-1</b>	
Operator:	<b>Newfiled Production Company</b>	
String type:	Surface	Project ID: 43-013-34063-0000
Location:	Duchesne County	

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<b>Collapse</b>	<b>Collapse:</b>	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 72 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 185 ft
	<b>Burst:</b>	Cement top: 253 ft
	Design factor 1.00	
<b>Burst</b>		
Max anticipated surface pressure: 440 psi		
Internal gradient: 0.120 psi/ft	<b>Tension:</b>	<b>Non-directional string.</b>
Calculated BHP 500 psi	8 Round STC: 1.80 (J)	
No backup mud specified.	8 Round LTC: 1.80 (J)	
	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	<b>Re subsequent strings:</b>
	Body yield: 1.50 (B)	Next setting depth: 6,950 ft
	Tension is based on air weight.	Next mud weight: 8.400 ppg
	Neutral point: 437 ft	Next setting BHP: 3,033 psi
		Fracture mud wt: 19.250 ppg
		Fracture depth: 500 ft
		Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	8.625	24.00	J-55	ST&C	500	500	7.972	178.7

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	218	1370	6.282	500	2950	5.90	12	244	20.34 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals  
 Phone: 810-538-5357  
 Date: October 30, 2008  
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

Well name:	<b>43013340630000 Malnar 11-20-4-1</b>		
Operator:	<b>Newfiled Production Company</b>		
String type:	Production	Project ID:	43-013-34063-0000
Location:	Duchesne County		

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<b>Collapse</b>	<b>Collapse:</b>	H2S considered? No
Mud weight: 8,400 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 162 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 368 ft
	<b>Burst:</b>	Cement top: 553 ft
	Design factor 1.00	
<b>Burst</b>		
Max anticipated surface pressure: 1,504 psi		
Internal gradient: 0.220 psi/ft	<b>Tension:</b>	<b>Non-directional string.</b>
Calculated BHP 3,033 psi	8 Round STC: 1.80 (J)	
No backup mud specified.	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: 6,067 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 (ft³)
1	6950	5.5	15.50	J-55	LT&C	6950	6950	4.825	928.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3033	4040	1.332	3033	4810	1.59	94	217	2.31 J

Prepared by: Helen Sadik-Macdonald, Div of Oil, Gas & Minerals  
 Phone: 810-538-5357  
 Date: October 30, 2008, Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 6950 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

**BOPE REVIEW**

**Newfield Malner 11-20-4-1W**

**API 43-013-34063-0000**

**INPUT**

Well Name

Newfield Malner 11-20-4-1W		API 43-013-34063-0000	
String 1	String 2		
Casing Size (")	8 5/8	5 1/2	
Setting Depth (TVD)	500	6950	
Previous Shoe Setting Depth (TVD)	0	500	
Max Mud Weight (ppg)	8.4	8.4	
BOPE Proposed (psi)	0	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	3009	8.3 ppg	

**Calculations**

**String 1 8 5/8 "**

Max BHP [psi]	.052*Setting Depth*MW =	218	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	158	BOPE Adequate For Drilling And Setting Casing at Depth? NO <i>OK</i> Air drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	108	NO
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	108	*Can Full Expected Pressure Be Held At Previous Shoe? ← NO <i>OK</i>
Required Casing/BOPE Test Pressure		500 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0 psi	*Assumes 1psi/ft frac gradient

**Calculations**

**String 2 5 1/2 "**

Max BHP [psi]	.052*Setting Depth*MW =	3036	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2202	BOPE Adequate For Drilling And Setting Casing at Depth? NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1507	YES ✓
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	1617	*Can Full Expected Pressure Be Held At Previous Shoe? ← NO <i>Reasonable</i>
Required Casing/BOPE Test Pressure		2000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		500 psi	*Assumes 1psi/ft frac gradient

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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

**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 583295X 1963' FSL 1817' FWL 40.118765**  
At proposed Producing Zone **4441187Y -110.022531**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 8.4 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) <b>Approx. 497' 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>6950'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5207' GL**

22. APPROX. DATE WORK WILL START\*  
**4th Quarter 2008**

**23. PROPOSED CASING AND CEMENTING PROGRAM**

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

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

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

**SURFACE PIPE** - 155 sx Class G Cement +/I 10%, w/ 2% CaCl2 & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H2O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 gal/sk

24. Name & Signature *Mandie Crozier* Title: Regulatory Specialist Date: 11/6/2008  
**Mandie Crozier**

(This space for State use only)

API Number Assigned: 43-013-34063

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

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**NOV 06 2008**

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

Date: 12-08-08  
By: *[Signature]*

\*See Instructions On Reverse Side



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 8, 2008

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

Re: Malnar 11-20-4-1 Well, 1963' FSL, 1817' FWL, NE SW, Sec. 20, T. 4 South, R. 1 West,  
Duchesne County, Utah

Gentlemen:

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

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 43-013-34063.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor



Operator: Newfield Production Company  
Well Name & Number Malnar 11-20-4-1  
API Number: 43-013-34063  
Lease: Fee

Location: NE SW Sec. 20 T. 4 South R. 1 West

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

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

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

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

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

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

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

#### 3. Reporting Requirements

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

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

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

spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #  
21 Submitted By Jay Burton  
Phone Number 823-0736  
Well Name/Number Malner 11-20-4-1  
Qtr/Qtr NE/SW Section 20 Township 4S  
Range 1W  
Lease Serial Number FEE  
API Number 43-013-34063

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

Date/Time 12/23/08 11:00 AM   
PM

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

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

Date/Time 12/24/08 11:00 AM   
PM

BOPE

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

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QR	SC	TP	RG	COUNTY		
B	99999	12391	4301334039	GREATER BOUNDARY FEDERAL R-34-8-17	SESW	34	8S	17E	DUCHESNE	1/1/2009	4/15/09
WELL 1 COMMENTS: <i>GRRU</i> <i>BHL = SWSE</i>											
A	99999	17260	4301334063	MALNAR 11-20-4-1	NESW	20	4S	1W	DUCHESNE	12/23/2008	1/15/09
WELL 2 COMMENTS: <i>GRRU</i>											
A	99999	17261	4304740344	OSMOND-MEYER 2-33-4-1E	NWNE	33	4S	1E	UINTAH	1/6/2009	1/15/09
WELL 3 COMMENTS: <i>GRRU</i>											
A	99999	17262	4304740256	OSMOND-MEYER 15-28-4-1E	SWSE	28	4S	1E	UINTAH	1/8/2009	1/15/09
WELL 4 COMMENTS: <i>GRRU</i>											
B	99999	12391	4301333602	Greater II Federal BOUNDARY 4-21-8-17	NWNW	21	8S	17E	DUCHESNE	1/8/2009	4/15/09
WELL 5 COMMENTS: <i>GRRU</i>											
WELL 6 COMMENTS:											

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DIV. OF OIL, GAS & MINING

- 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 - see (explain in comments section)

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

  
 Signature Jentri Park  
 Production Clerk  
 Date 01/02/09

**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: MALNAR 11-20-4-1
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4301334063
3. ADDRESS OF OPERATOR: Route 3 Box 3630	CITY Myton STATE UT ZIP 84052	10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		COUNTY: DUCHESNE
OTR/TR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 20, T4S, R1W		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  <u>12/23/2008</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 (Submit Original Form Only)  Date of Work Completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY 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 12/23/08 MIRU Ross #21. Spud well @ 11:30am. Drill 535' of 12 1/4" hole with air mist. TIH w/12 jt's 85/8" j-55 24# csgn. set @ 537.97KB. On 1/3/09 cement with 285 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello-Flake mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 21 bbls cement to pit. Woc.

NAME (PLEASE PRINT) Jay Burton TITLE Drilling Foreman  
SIGNATURE Jay E. Burton DATE 01/05/2009

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**JAN 12 2009**  
**DIV. OF OIL, GAS & MINING**





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MALNAR 11-20-4-1

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301334063

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 20, T4S, R1W STATE: UT

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

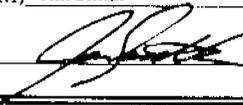
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 01/25/2009	<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 1/15/09 MIRU NDSI Rig # 1. 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 @ 495'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6800'. 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, 175 jt's of 5.5 J-55, 15.5# csgn. Set @ 6780.86' / KB. Cement with 330 sks cement mixed @ 11.0 ppg & 3.43 yld. The 475 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 121 bbis of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 3:30 AM on 1/21/09.

NAME (PLEASE PRINT) Jim Smith

TITLE Drilling Foreman

SIGNATURE 

DATE 01/25/2009

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**FEB 02 2009**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6780.86

LAST CASING 8 5/8" SET AT 537.97  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 TD DRILLER 6800 LOGC 6825  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company  
 WELL MALNAR 11-20-4-1  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Landing jt	15.5	J-55	LTC	A	14
174	5 1/2"	csg	15.5	J-55	LTC	A	6729.81
1		Float collar			LTC		0.6
1	5 1/2"	Shoe jt	15.5	J-55	LTC	A	37.8
1	5 1/2"	Guide shoe			LTC		0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6782.86
TOTAL LENGTH OF STRING		6782.86		LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		276.22	7	CASING SET DEPTH			<b>6,780.86</b>
TOTAL		7043.83	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		7034.83	182				
TIMING							
BEGIN RUN CSG.	Spud	3:00 PM	1/20/2009	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		7:30 PM	1/20/2009	Bbls CMT CIRC TO SURFACE			121
BEGIN CIRC		7:45 PM	1/20/2009	RECIPROCATED PIPE			Yes
BEGIN PUMP CMT		9:00 PM	1/20/2009	BUMPED PLUG TO			1720
BEGIN DSPL. CMT		10:23 PM	1/20/2009				
PLUG DOWN		10:50 PM	1/20/2009				



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
FEE

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

6. If Indian, Allottee or Tribe Name  
NA  
7. Unit or CA Agreement Name and No.  
FEDERAL

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
MALNAR 11-20-4-1

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

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

9. AFI Well No.  
43-013-34063

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

At surface 1963' FSL & 1817' FWL (NE/SW) SEC. 20, T4S, R1W

10. Field and Pool or Exploratory  
MONUMENT BUTTE

At top prod. interval reported below

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 20, T4S, R1W

At total depth 6800'

12. County or Parish  
DUCHESNE  
13. State  
UT

14. Date Spudded  
12/23/2008

15. Date T.D. Reached  
01/19/2009

16. Date Completed 02/10/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5207' GL 5219' KB

18. Total Depth: MD 6800'  
TVD

19. Plug Back T.D.: MD 6742'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		538'		285 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6781'		340 PRIMLITE		200'	
						475 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6053'	TA @ 6316'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP5) 6640-6647'	.49"	4	28
B) GREEN RIVER			(CP2) & (CP1) see below	.49"	4	84
C) GREEN RIVER			(A3) 6001-6008'	.49"	4	28
D) GREEN RIVER			(GB2) 4880-4889'	.49"	4	36

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

Depth Interval	Amount and Type of Material
6640-6647'	Frac w/ 18922# of 16/30 snd 312 bbls fluid
6344-6424'	Frac w/ 58186# of 16/30 snd 581 bbls fluid
6001-6008'	Frac w/ 23718# 16/30 snd 383 bbls fluid
4880-4889'	Frac w/ 35618# 16/30 snd 415 bbls fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/10/09	02/20/09	24	→	67	21	12			2-1/2" x 1-1/2" x 16' x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→					PRODUCING	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4400' 4604'
				GARDEN GULCH 2 POINT 3	4726' 5019'
				X MRKR Y MRKR	5245' 5280'
				DOUGALS CREEK MRK BI CARBONATE MRK	5409' 5689'
				B LIMESTON MRK CASTLE PEAK	5840' 6298'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6706' 6825'

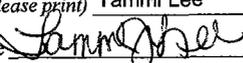
32. Additional remarks (include plugging procedure):

(CP2) 6417-6424', 6376-6382' (CP1) 6344-6352'

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

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

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

Name (please print) Tammi Lee      Title Production Clerk  
 Signature       Date 02/25/2009

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MALNAR 11-20-4-1

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301334063

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

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

STATE: UT

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

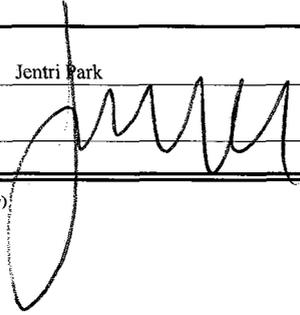
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>02/27/2009</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 02/11/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 02/27/2009

(This space for State use only)

**RECEIVED**

**MAR 02 2009**

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

**Daily Activity Report**

Format For Sundry

**MALNAR 11-20-4-1****12/1/2008 To 4/28/2009****1/29/2009 Day: 1****Completion**

Rigless on 1/28/2009 - 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 @ 6695' & cement top @ 200'. Perforate stage #1, CP5 sds @ 6640-47' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 28 shots. 160 bbls EWTR. SIFN.

**2/4/2009 Day: 2****Completion**

Rigless on 2/3/2009 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 18,922#'s of 16/30 sand in 312 bbls of Lightning 17 frac fluid. Open well w/ 280 psi on casing. Perfs broke down @ 3904 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 3191 w/ ave rate of 31 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. Screened out frac w/ 4 ppg on perfs w/ 7671#'s in perfs w/ 11251#'s in casing w/ 66 bbls left in flush. Well didn't flow back (rec'd 40 bbls water). SIFN.

**2/5/2009 Day: 3****Completion**

Western #1 on 2/4/2009 - MIRUSU. Thaw well out. Open well w/ 1400 psi on casing. RD Cameron BOP's & frac head. Instal production head & Scharfer BOP's. Tally, pickup & TIH w/ NC, new J-55, 2-7/8", 6.5# tbg off racks to tag sand @ 5713'. C/O to 6310'. Circulate well clean. LD 2 jts tbg to leave EOT @ 6247'. SIFN.

**2/6/2009 Day: 4****Completion**

Western #1 on 2/5/2009 - Thaw well out. Open well w/ 800 psi on casing. RU pump & tanks. TIH w/ tbg to tag sand @ 6272'. C/O to 6590'. Circulate well clean. TOOH w/ tbg. RD Scharfer BOP's. NU Cameron BOP's. Pressure casing to 1000 psi. SIFN.

**2/7/2009 Day: 5****Completion**

Western #1 on 2/6/2009 - Stage #2, CP1, CP2 Thaw WH. RU Perforators WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 7', 6' & 8' perf guns. Set plug @ 6524'. Perforate CP2 sds @ 6417-6424 & CP1 sds @ 6376-6382' & 6344-6352' all w/ 3-1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331) w/ 4 spf for total of 84 shots. RU BJ Services. 230 psi on well. Pumped 5bbls of fresh water after break to calculate initial frac gradient. Pre-frac ISIP was 990. Pre-frac gradient is .56. (might not have pumped enough fluid to get accurate data) Frac CP1/CP2 w/ 58,186 #'s of 16/30 sand in 581 bbls of Lightning 22 fluid. Broke @ 3676 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1758 psi @ ave rate of 25.4 BPM. Flushed w/ 150 bbls. ISIP 1990 psi. 1013 BWTR. Stage #3, A3 RU

Perforators WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 7' perf gun. Set plug @ 6100'. Perforate A3 sds @ 6001-6008' w/ 3-1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331) w/ 4 spf for total of 28 shots. RU BJ Services. 1631 psi on well. Could not breakdown A3 zone. RIH w/ Perforator's dump bail w/ 8 gals of 15% acid. Spot acid @ 6008'. RU BJ Pumped 6.6 bbls of fresh water after break and shut down to calculate initial frac gradient. Pre-frac ISIP was 1850. Pre-frac gradient is .74. Frac A3 w/ 23,718 #'s of 16/30 sand in 383 bbls of Lightning 22 fluid. Broke @ 4031 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2611 psi @ ave rate of 25.4 BPM. Flushed w/ 140.8 bbls. ISIP 2765 psi. 1396 BWTR. Stage #4, GB2 RU Perforators WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 9' perf gun. Set plug @ 4980'. Perforate GB2 sds @ 4880-4889' w/ 3-1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331) w/ 4 spf for total of 36 shots. RU BJ Services. 1631 psi on well. Pumped 6 bbls of fresh water after break and shut down to calculate initial frac gradient. Pre-frac ISIP was 1527. Pre-frac gradient is .75. Frac GB2 w/ 35,618 #'s of 16/30 sand in 415 bbls of Lightning 22 fluid. Broke @ 1840 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1911 psi @ ave rate of 25.7 BPM. Flushed w/ 114.1 bbls. ISIP 2100 psi. Flowback immediately to pit @ ~ 3 BPM for 3 hrs. Recovered 540 bbls. 1260 BWTR.

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**2/10/2009 Day: 6****Completion**

Western #1 on 2/9/2009 - Thaw wellhead. 400 psi on casing. Bleed pressure off to pit. TIH w/ 4-3/4" chomp bit. Tag Plug #1 @ 4980'. Drill out plug in 10 min. PU tag plug #2 @ 6100'. Drill out plug in 11 min. Tag fill @ 6459'. Clean out to Plug #3 @ 6524'. Drill out plug in 11 min. Tag fill @ 6552'. Clean out to PBDT @ 6742'. Circulate well clean. LD 2 jts EOT @ 6676'. Lost 60 bbls of water while drilling plugs. SWIFN.

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**2/11/2009 Day: 7****Completion**

Western #1 on 2/10/2009 - Thaw wellhead. 75 psi on casing. 0 psi on tubing. RU swab equipment. EOT @ 6676'. IFL @ surface. Make 10 runs. Recovered 137 bbls w/ some gas and 5% oil, no sand. FFL @ 700'. PU 2 jts tag PBDT @ 6742'. Circulate well clean. LD 8 jts. TOOH w/ 207 jts. LD 4-3/4" chomp bit. TIH w/ 2-7/8" bull plug, 3 jts 2-7/8" J-55 6.5# EUE 8 rd., 2-7/8" nipple, PBGA, 1 jt, SN, 1 jt, TAC, 202 jts. ND BOP's. Set TAC @ 6315.53' w/ 16,000# tension. SN @ 6349.81'. EOT @ 6481.83'. Flush tubing w/ 60 bbls. Prime Central Hydraulic pump. RIH w/ pump, 6 x 1-1/2" weight rods, 20 x 3/4" guided rods. SWIFN. 1183

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**2/12/2009 Day: 8****Completion**

Western #1 on 2/11/2009 - 0 Pressure on wellhead. RIH w/ 128 x 3/4" slick rods, 99 x 7/8" guided rods, 1 x 4' 7/8" pony rod, 1 x 2' 7/8", 1-1/2" x 26' polish rod. Seat pump. Pressure test to 800 psi with pumping unit. Test good. RDMO. FINAL REPORT! PWOP @ 11:00 AM w/ 5 SPM and SL = 104"

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**Pertinent Files: Go to File List**