

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> Stewart 5-24-4-2		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE		
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY				<b>7. OPERATOR PHONE</b> 435 646-4825		
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052				<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee</b>		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Allan Smith and Shirley Smith				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 1137 Park Ridge Drive #5121, Roosevelt, UT 84066				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
LOCATION AT SURFACE	1837 FNL 531 FWL	SWNW	24	4.0 S	2.0 W	U
Top of Uppermost Producing Zone	1837 FNL 531 FWL	SWNW	24	4.0 S	2.0 W	U
At Total Depth	1837 FNL 531 FWL	SWNW	24	4.0 S	2.0 W	U
<b>21. COUNTY</b> DUCHESNE		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 531		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1478		<b>26. PROPOSED DEPTH</b> MD: 7160 TVD: 7160		
<b>27. ELEVATION - GROUND LEVEL</b> 5268		<b>28. BOND NUMBER</b> B001834		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-7478		

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Mandie Crozier	<b>TITLE</b> Regulatory Tech	<b>PHONE</b> 435 646-4825
<b>SIGNATURE</b>	<b>DATE</b> 04/14/2010	<b>EMAIL</b> mcrozier@newfield.com
<b>API NUMBER ASSIGNED</b> 43013503050000	<b>APPROVAL</b>  Permit Manager	

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	5.5	0	7160		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 LT&C	7160	15.5			

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	8.625	0	400		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	400	24.0			

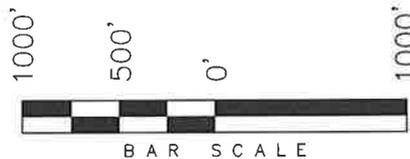
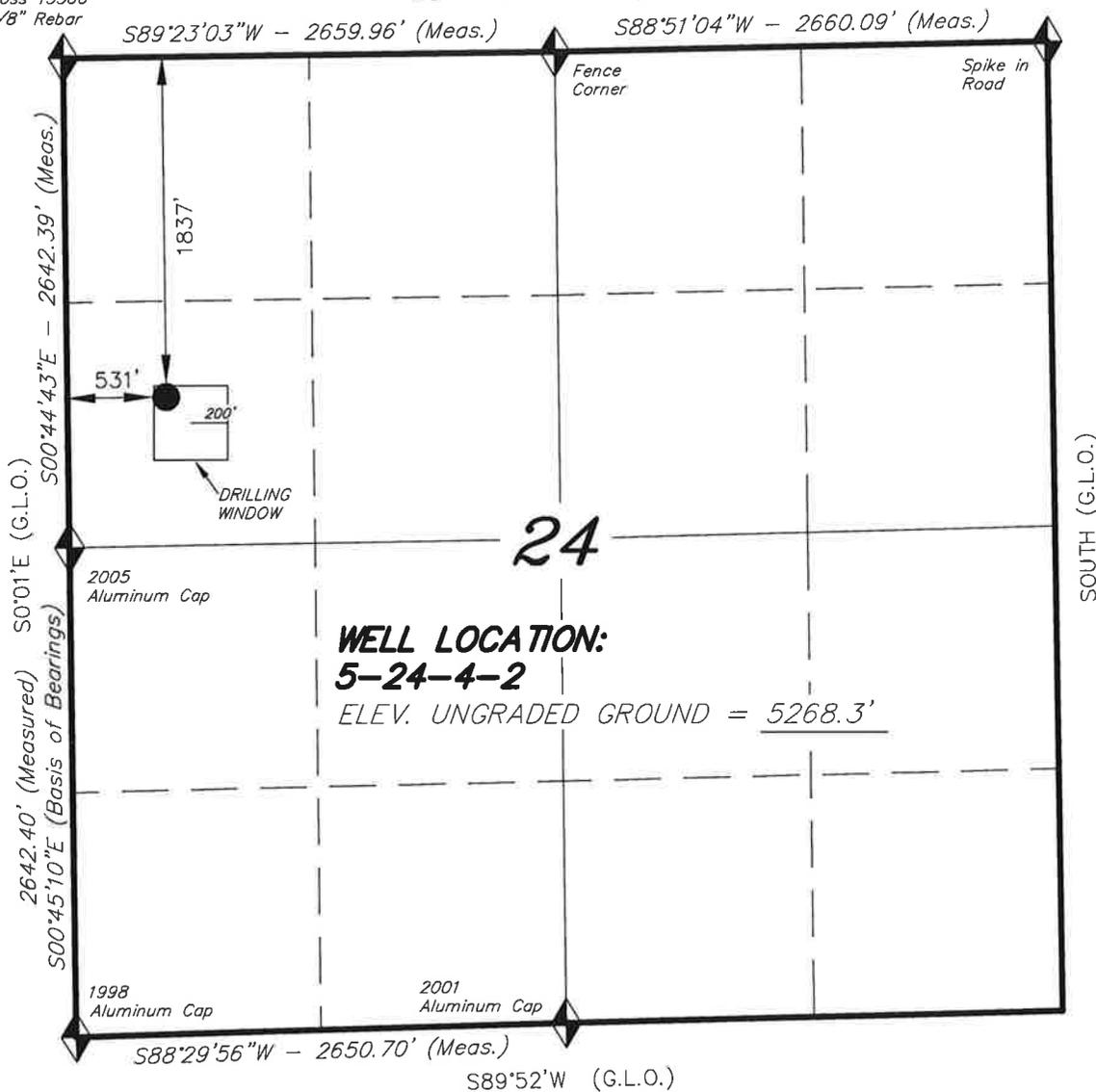
# T4S, R2W, U.S.B.&M.

N89°59'W - 80.18 (G.L.O.)

## NEWFIELD PRODUCTION COMPANY

Plastic Cap  
marked  
Peatross 15566  
on 5/8" Rebar

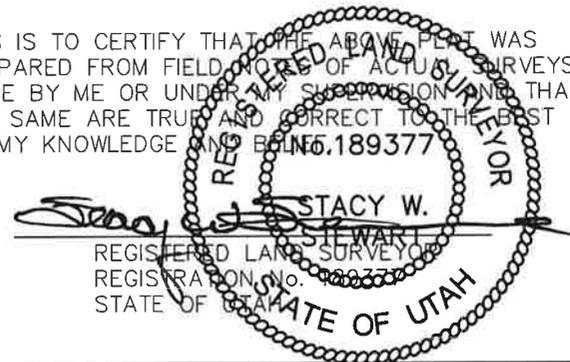
WELL LOCATION, 5-24-4-2, LOCATED  
AS SHOWN IN THE SW 1/4 NW 1/4 OF  
SECTION 24, T4S, R2W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH.



**WELL LOCATION:  
5-24-4-2**

ELEV. UNGRADED GROUND = 5268.3'

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. 6.189377



◆ = SECTION CORNERS LOCATED

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

**5-24-4-2**  
(Surface Location) NAD 83  
LATITUDE =  $40^{\circ}07'21.88''$   
LONGITUDE =  $110^{\circ}03'54.56''$

### TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 02-22-10	SURVEYED BY: C.M.
DATE DRAWN: 02-24-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

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

This Easement, Right-of-Way and Surface Use Agreement ("Agreement") is entered into this 10<sup>th</sup> day of February, 2010 by and between, **Allan Evans Smith & Shirley Jean Smith, Trustees of the Allan Evans Smith Trust and the Shirley Jean Smith Trust whose address is 1137 Park Ridge Drive #5121, Roosevelt, Utah 84066**, ("Surface Owner," whether one or more) and Newfield Production Company, a Texas corporation ("NEWFIELD"), with offices at 1001 Seventeenth Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Duchesne County, Utah described as follows:

Township 4 South, Range 2 West

Section 24: NW/4

Duchesne County, Utah  
Being 160 acres, more or less,

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 10<sup>th</sup>, 2010 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. This agreement replaces and supersedes any and all prior agreements covering the lands described herein.

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

ALLAN EVANS SMITH TRUST AND THE  
SHIRLEY JEAN SMITH TRUST

NEWFIELD PRODUCTION COMPANY

By:   
Allan Evans Smith, Trustee

By: \_\_\_\_\_  
Daniel W. Shewmake  
Vice President – Development

By:   
Shirley Jean Smith, Trustee

STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 10<sup>th</sup> day of February, 2010 by **Allan Evans Smith**, as Trustee of the Allan Evans Smith Trust and the Shirley Jean Smith Trust.

Witness my hand and official seal.

My commission expires 9/8/2013

*Tim Lutz*  
Notary Public



STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 10<sup>th</sup> day of February, 2010 by **Shirley Jean Smith**, as Trustee of the Allan Evans Smith Trust and the Shirley Jean Smith Trust.

Witness my hand and official seal.

My commission expires 9/8/2013

*Tim Lutz*  
Notary Public



STATE OF COLORADO )  
 )ss  
COUNTY OF Denver )

This instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2010 by **Daniel W. Shewmake, Vice President – Development of Newfield Production Company**, a Texas corporation, on behalf of the corporation.

Witness my hand and official seal.

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

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

NEWFIELD PRODUCTION COMPANY  
STEWART 5-24-4-2  
SW/NW SECTION 24, T4S, R2W  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1,990'
Green River	1,990'
Wasatch	6,910'
<b>Proposed TD</b>	<b>7,160'</b>

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

Green River Formation (Oil) 1,990' – 6,910'

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

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

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

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

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

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: Stewart 5-24-4-2**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	400'	24.0	J-55	STC	2,950 13.15	1,370 10.77	244,000 25.42
Prod casing 5-1/2"	0'	7,160'	15.5	J-55	LTC	4,810 2.11	4,040 1.77	217,000 1.96

Assumptions:

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

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

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

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

b. **Cementing Design: Stewart 5-24-4-2**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	400'	Class G w/ 2% CaCl	183 215	30%	15.8	1.17
Prod casing Lead	5,160'	Prem Lite II w/ 10% gel + 3% KCl	357 1162	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

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

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

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

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

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

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

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

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

From surface to  $\pm 400$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 400$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

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

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 400' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from 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 third quarter of 2010, and take approximately seven (7) days from spud to rig release.

# 2-M SYSTEM

Blowout Prevention Equipment Systems

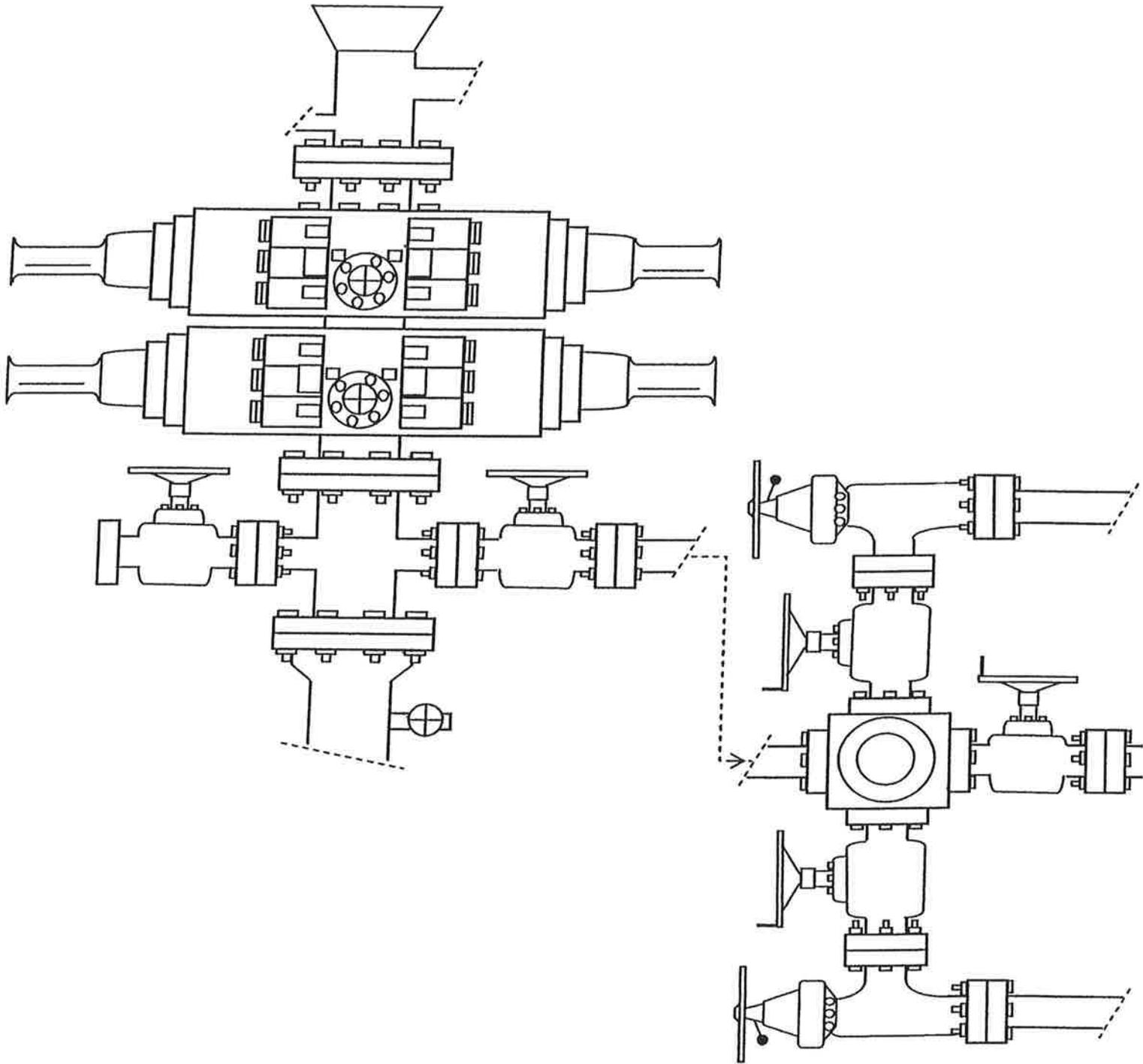
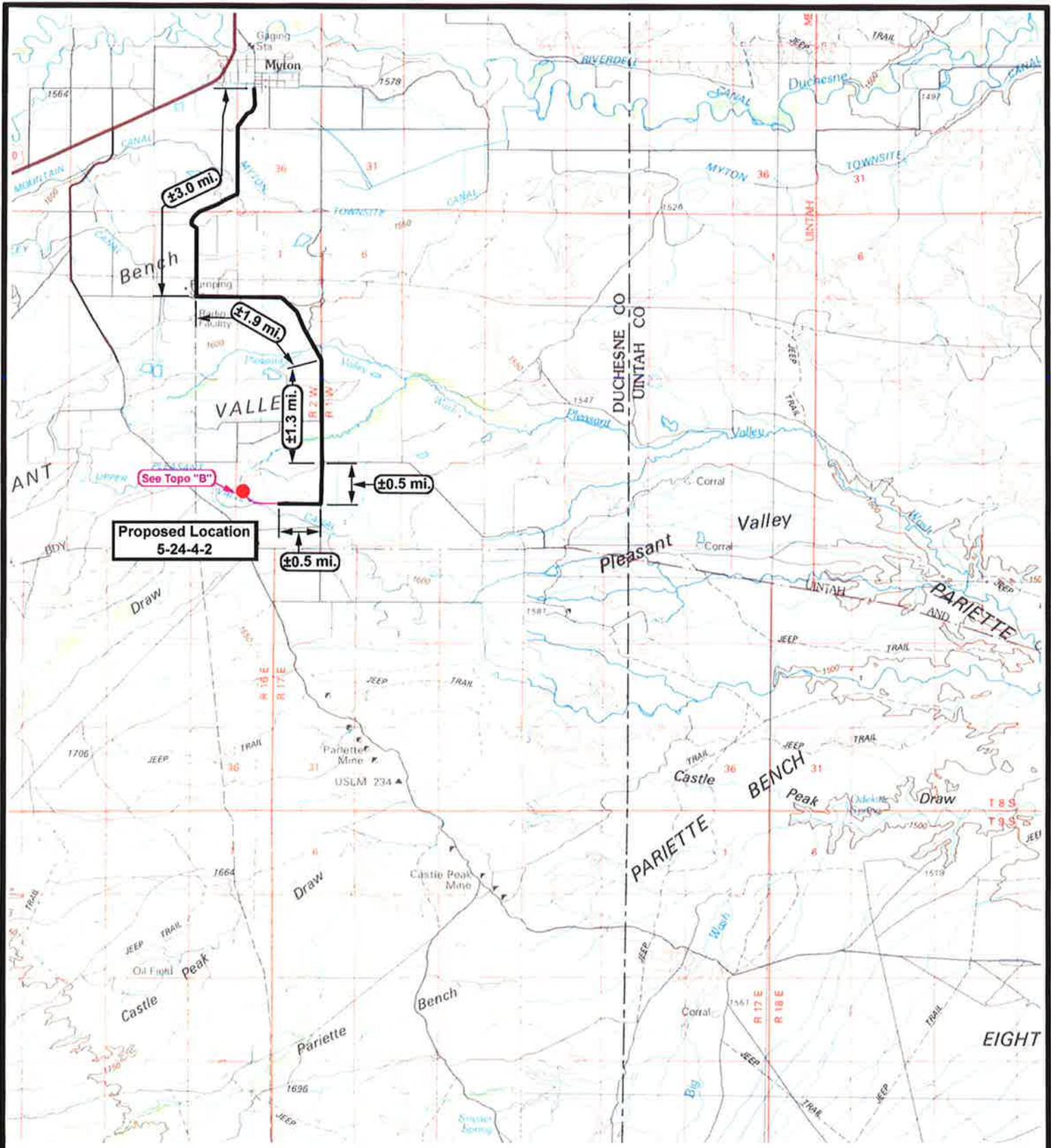


EXHIBIT C



**NEWFIELD**  
Exploration Company

**5-24-4-2**  
**SEC. 24, T4S, R2W, U.S.B.&M.**



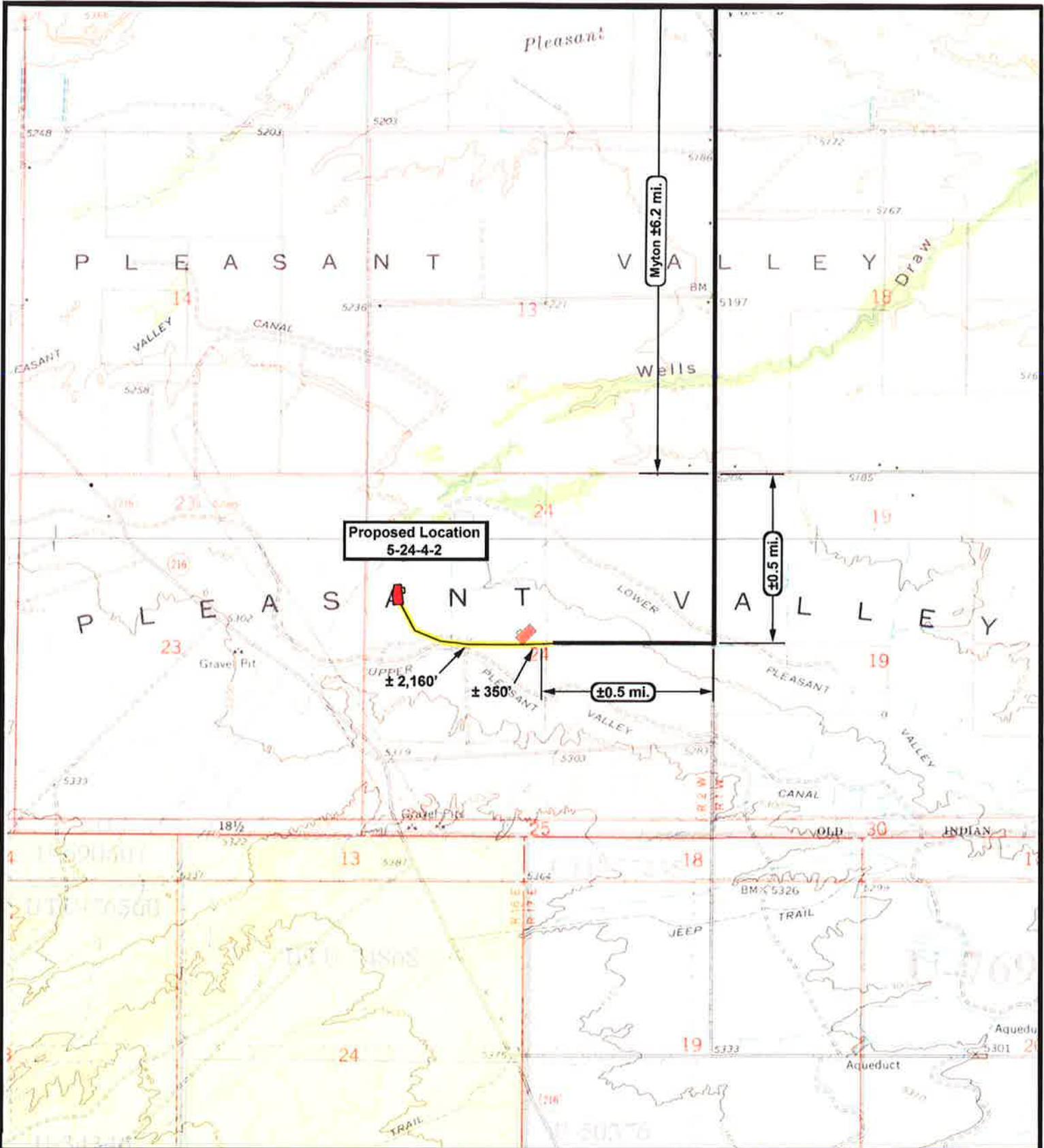
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1 : 100,000**  
**DRAWN BY: mw**  
**DATE: 02-24-2010**

**Legend**

- Existing Road
- Proposed Access

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



Proposed Location  
5-24-4-2

±2,160'

±350'

±0.5 mi.

±0.5 mi.

Myton ±6.2 mi.

**NEWFIELD**  
Exploration Company

**5-24-4-2**  
**SEC. 24, T4S, R2W, U.S.B.&M.**



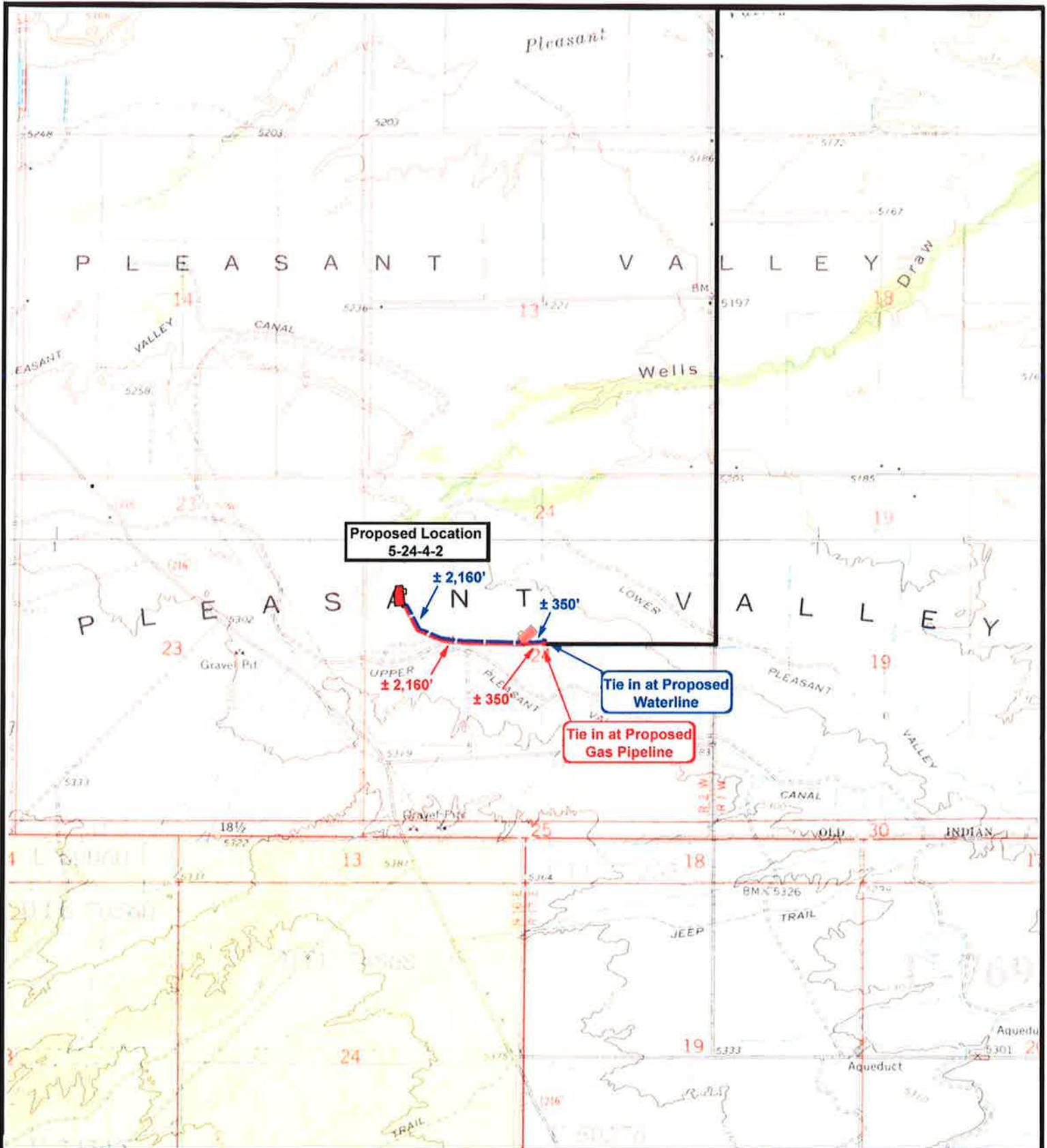
*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 02-24-2010

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**  
**"B"**



 **NEWFIELD**  
Exploration Company

**5-24-4-2**  
**SEC. 24, T4S, R2W, U.S.B.&M.**



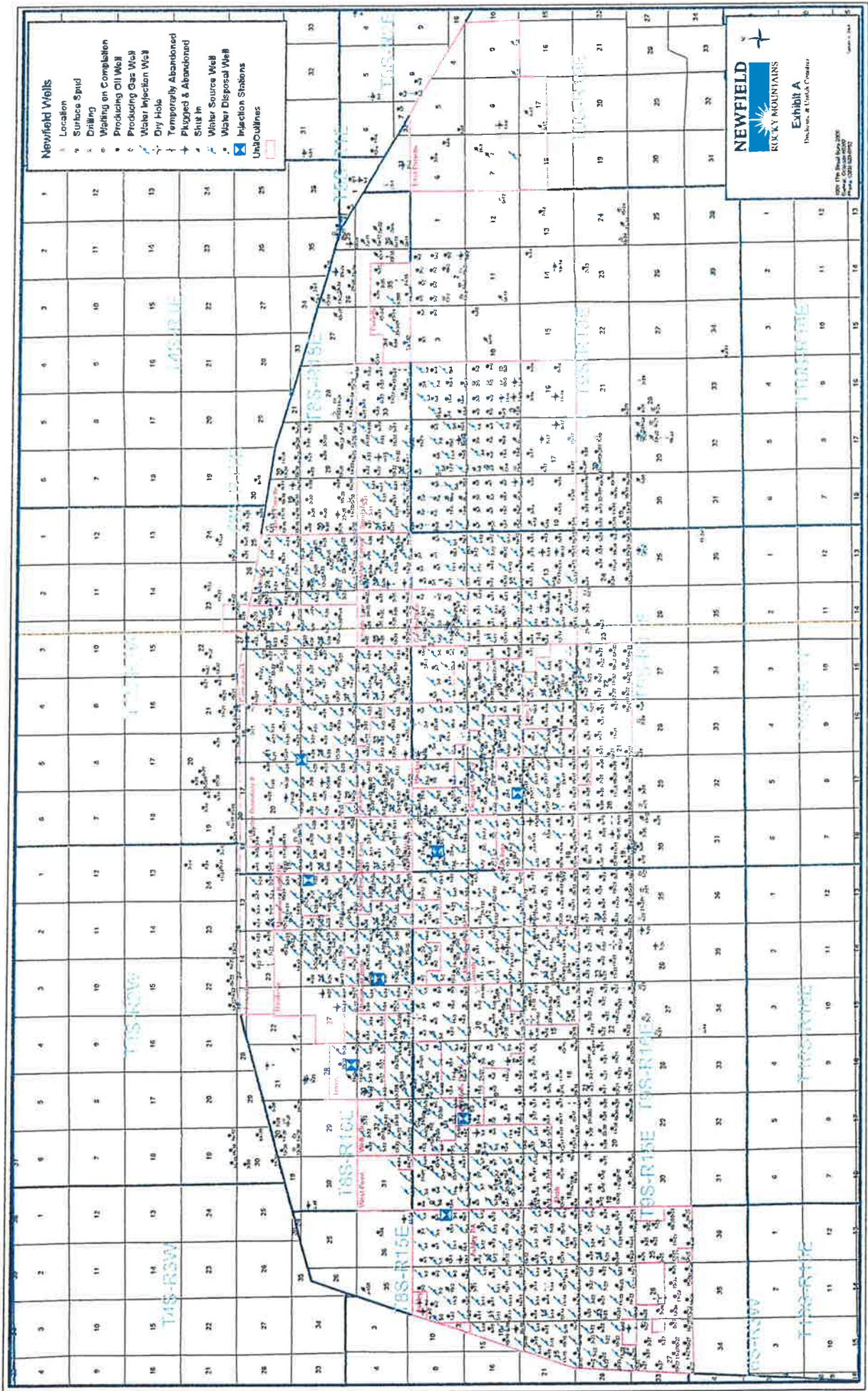
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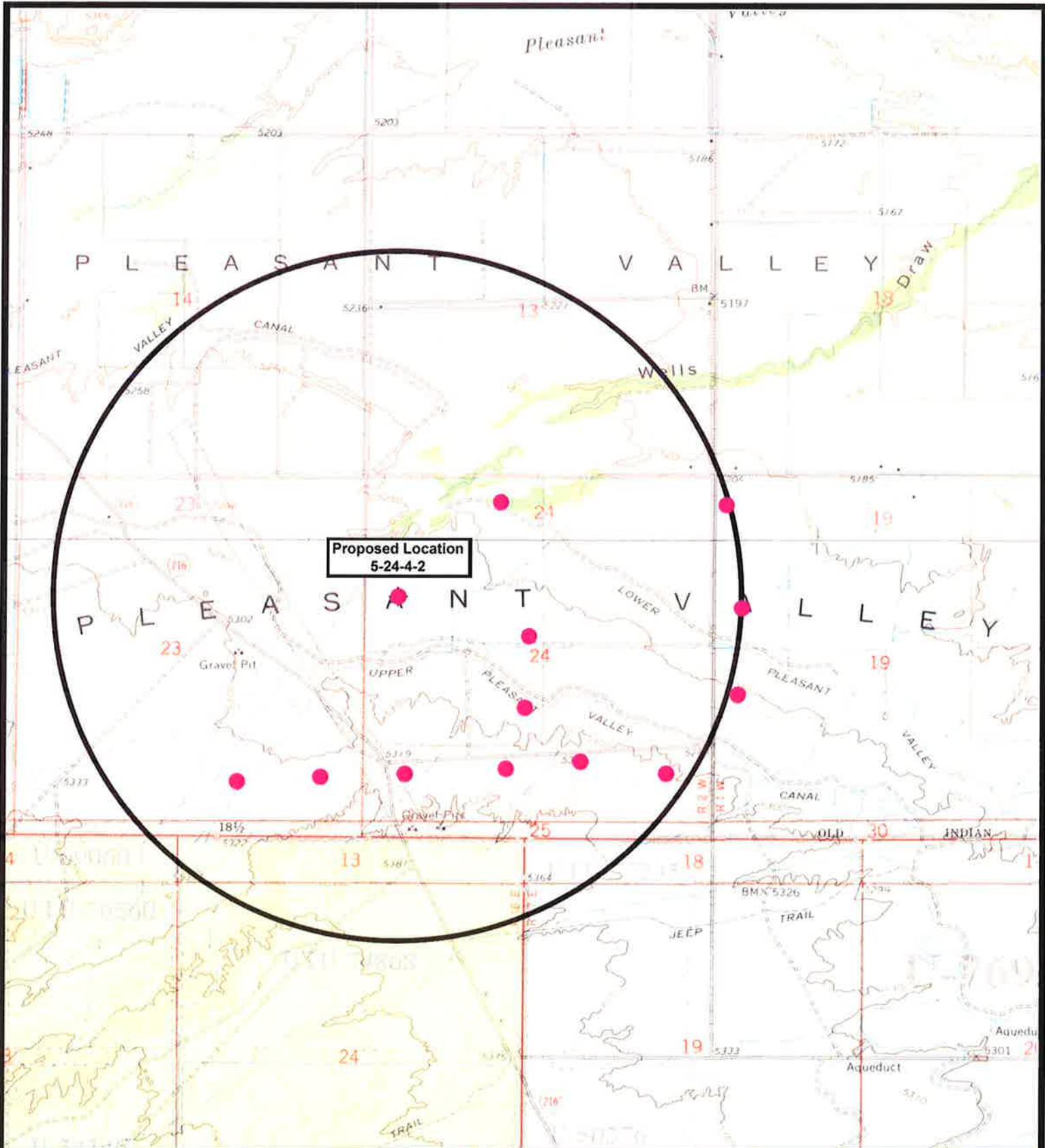
**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 02-24-2010**

**Legend**

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

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





**Proposed Location  
5-24-4-2**

**NEWFIELD**  
Exploration Company

**5-24-4-2**  
**SEC. 24, T4S, R2W, 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: 02-24-2010**

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

NEWFIELD PRODUCTION COMPANY  
STEWART 5-24-4-2  
SW/NW SECTION 24, T4S, R2W  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Stewart 5-24-4-2 located in the SW¼ NW¼ Section 24, T4S, R2W, S.L.B. & M., Duchesne County, Utah:

Proceed in a southerly direction out of Myton, approximately 3.0 miles to it's junction with an existing road to the east; proceed in a southeasterly direction approximately 3.7 miles to it's junction with an existing road to the west; proceed westerly approximately 0.5 miles to it's junction with the beginning of the proposed access road to the west; proceed in a northwesterly direction along the proposed access road approximately 2,510' 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 2,150' of access road is proposed. See attached **Topographic Map "B"**.

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

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

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

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

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District  
Water Right: 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

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

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

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

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

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

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

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

a) **Producing Location**

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

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

b) **Dry Hole Abandoned Location**

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

11. **SURFACE OWNERSHIP:** Allan Evans Smith and Shirley Jean Smith.  
See attached Memorandum of Surface Use Agreement and Easement ROW.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 2,510' of disturbed area be granted for construction of the proposed gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both proposed lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Newfield Production Company requests 2,510' of disturbed area be granted to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Both proposed lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

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

The Archaeological and Paleontological Report Waiver 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 Stewart 5-24-4-2, 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 Stewart 5-24-4-2 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Representative

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

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #5-24-4-2, SW/NW Section 24, T4S, R2W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

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.

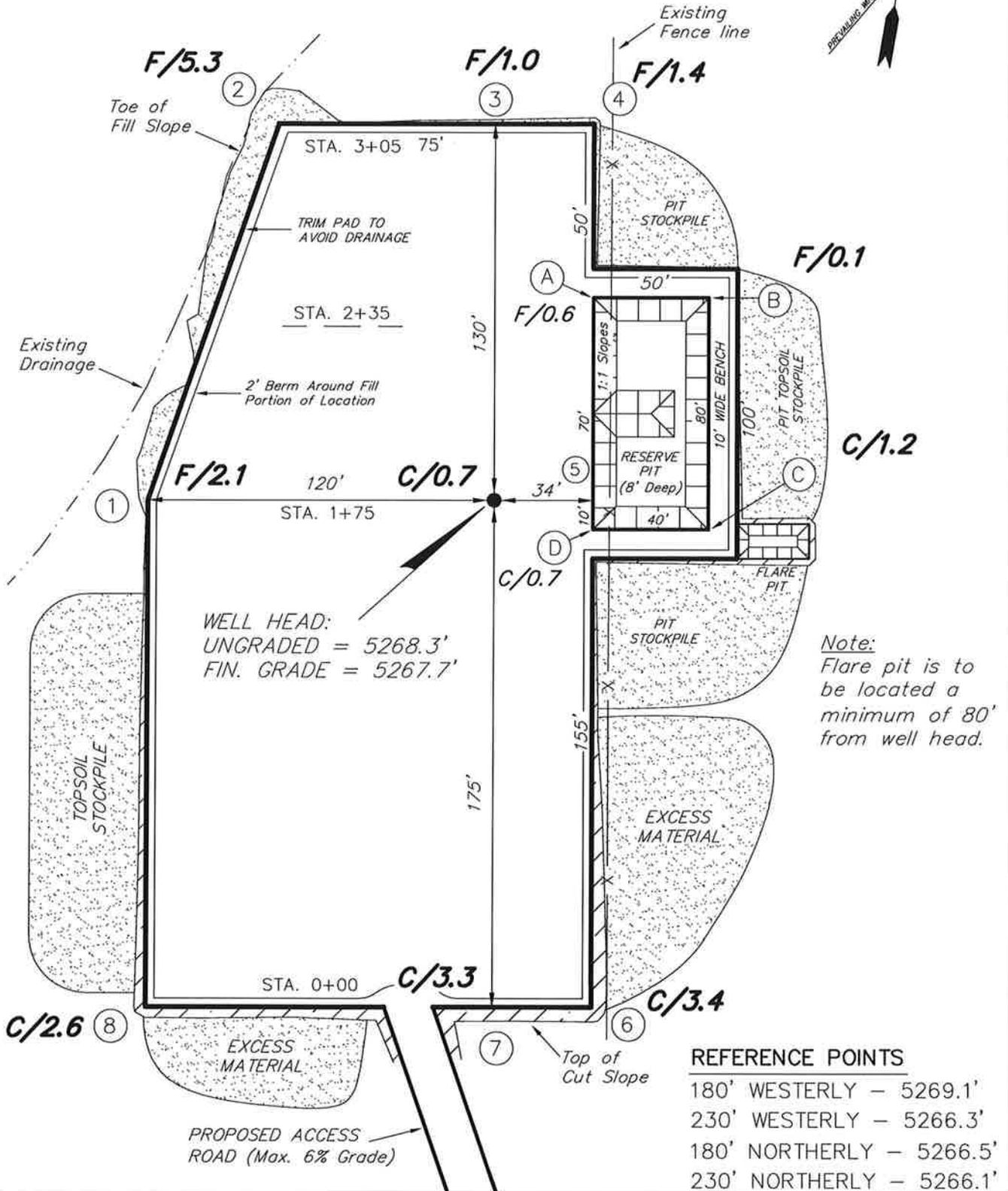
4/14/10  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

5-24-4-2

Section 24, T4S, R2W, U.S.B.&M.



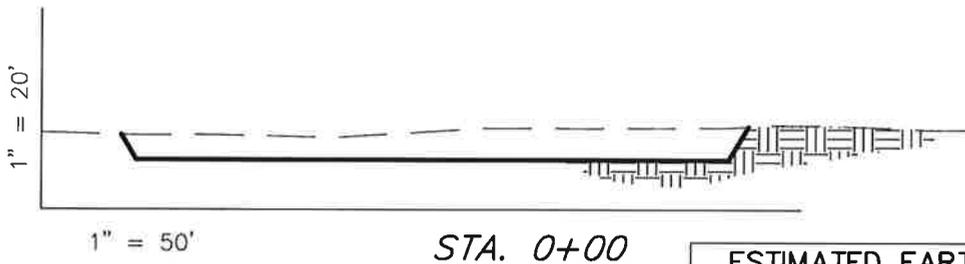
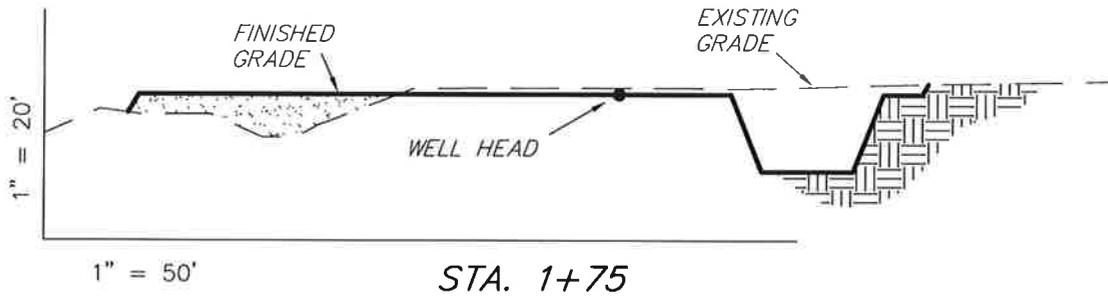
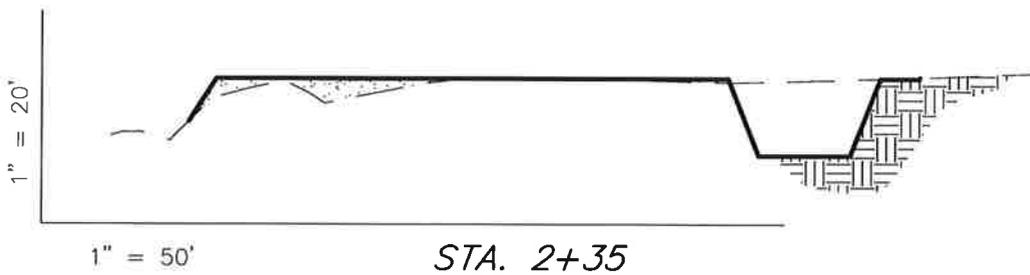
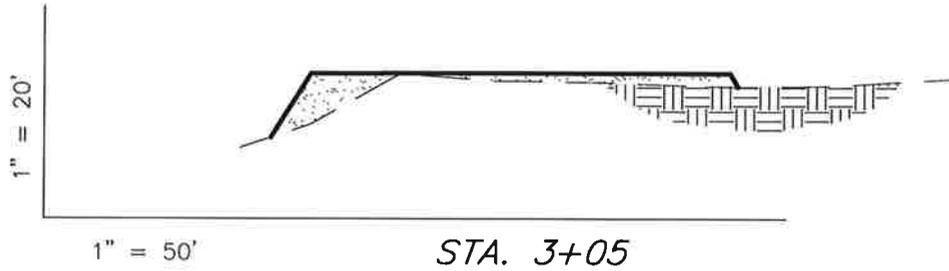
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DRAWN BY: M.W.	DATE DRAWN: 02-24-10
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### 5-24-4-2



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,170	1,160	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	1,810	1,160	980	650

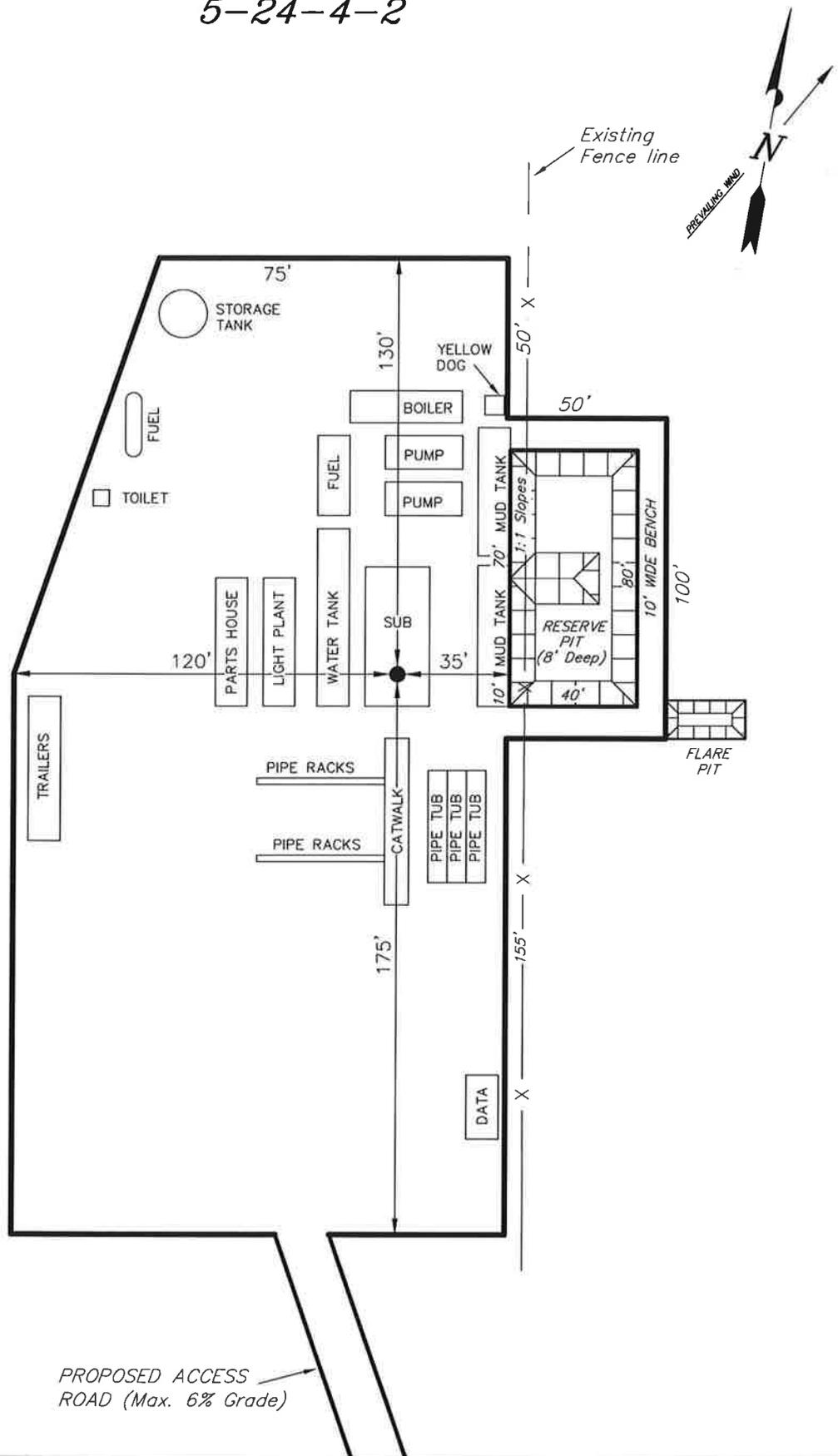
SURVEYED BY: C.M.	DATE SURVEYED: 02-22-10
DRAWN BY: M.W.	DATE DRAWN: 02-24-10
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

5-24-4-2



SURVEYED BY: C.M.  
 DRAWN BY: M.W.  
 SCALE: 1" = 50'

DATE SURVEYED: 02-22-10  
 DATE DRAWN: 02-24-10  
 REVISED:

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

**EXHIBIT D**

Township 4 South, Range 2 West

Section 24: NW/4

Duchesne County, Utah

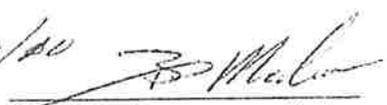
**ARCHAEOLOGICAL & PALEOTOLOGICAL REPORT WAIVER**

For the above referenced location; Allan Evans Smith & Shirley Jean Smith, Trustees of the Allan Evans Smith Trust and the Shirley Jean Smith Trust. (Having a Surface Owner Agreement with Newfield Production Company)

Allan Evans Smith & Shirley Jean Smith, representing this entity does agree to waive the request from the State of Utah and Bureau of Land Management for an Archaeological/Cultural and Paleotological Resource Survey for any wells covered by the Surface Use Agreement dated 2/10/2010 between the above said private land owner and Newfield Production. This waiver hereby releases Newfield Production Company from this request.



Allan Evans Smith, Trustee Date  
Allan Evans Smith Trust and the  
Shirley Jean Smith Trust

 2-10-10

Brad Mecham Date  
Newfield Production Company



Shirley Jean Smith, Trustee Date  
Allan Evans Smith Trust and the  
Shirley Jean Smith Trust

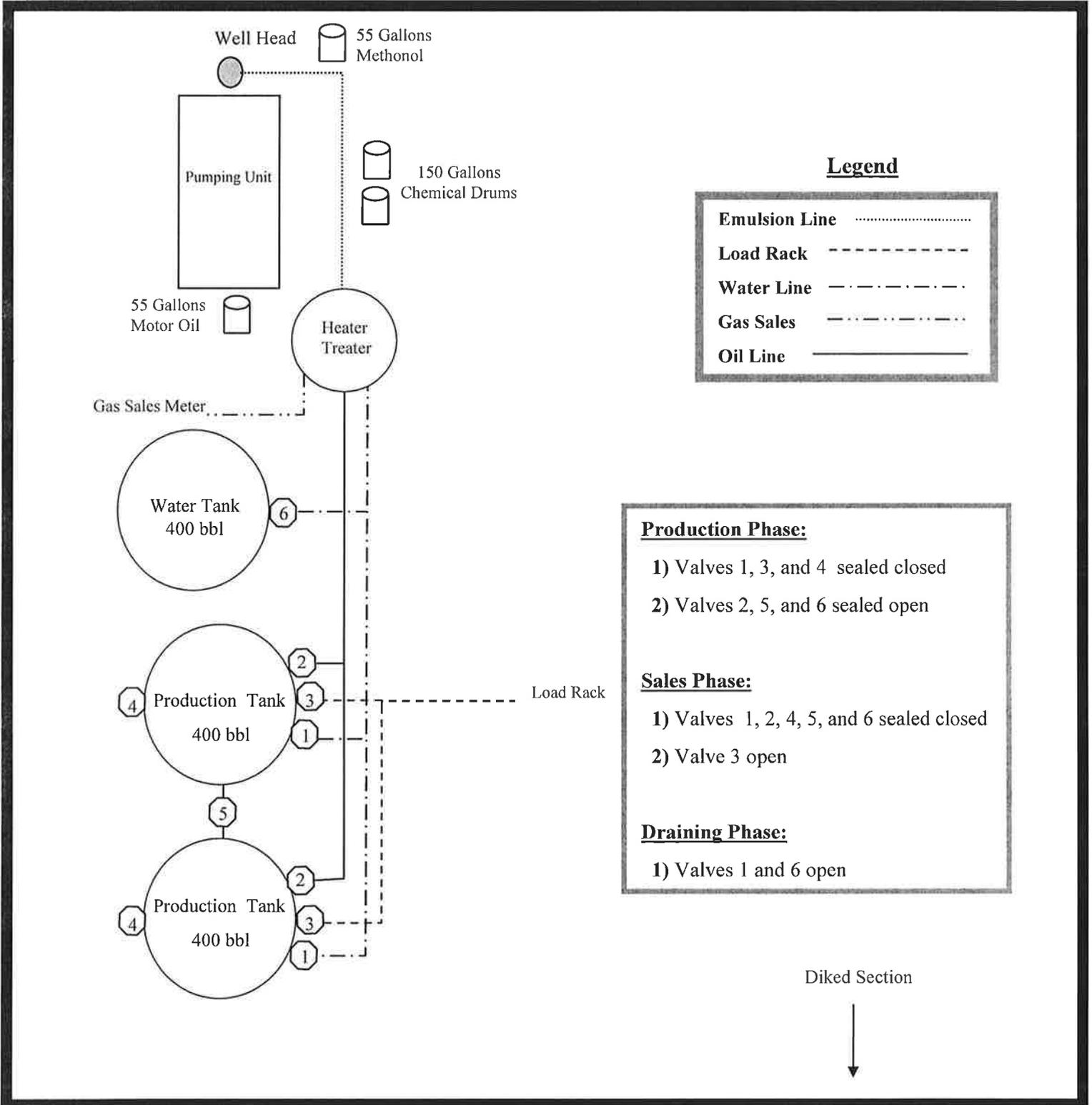
# Newfield Production Company Proposed Site Facility Diagram

Stewart 5-24-4-2

SW/NW Sec. 24, T4S, R2W

Duchesne County, Utah

FEE



### Legend

Emulsion Line	.....
Load Rack	-----
Water Line	- . - . - .
Gas Sales	- . - . - .
Oil Line	—————

### Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

### Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

### Draining Phase:

- 1) Valves 1 and 6 open

Well Name	NEWFIELD PRODUCTION COMPANY Stewart 5-24-4-2 43013503050000		
String	Surf	Prod	
Casing Size(")	8.625	5.500	
Setting Depth (TVD)	400	7160	
Previous Shoe Setting Depth (TVD)	0	400	
Max Mud Weight (ppg)	8.3	8.3	
BOPE Proposed (psi)	500	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	3100	8.3	

Calculations	Surf String	8.625	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	173	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	125	YES      air drill
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	85	YES      OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	85	NO      OK
Required Casing/BOPE Test Pressure=		400	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi      *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	3090	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	2231	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	1515	YES      OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	1603	NO      Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		400	psi      *Assumes 1psi/ft frac gradient

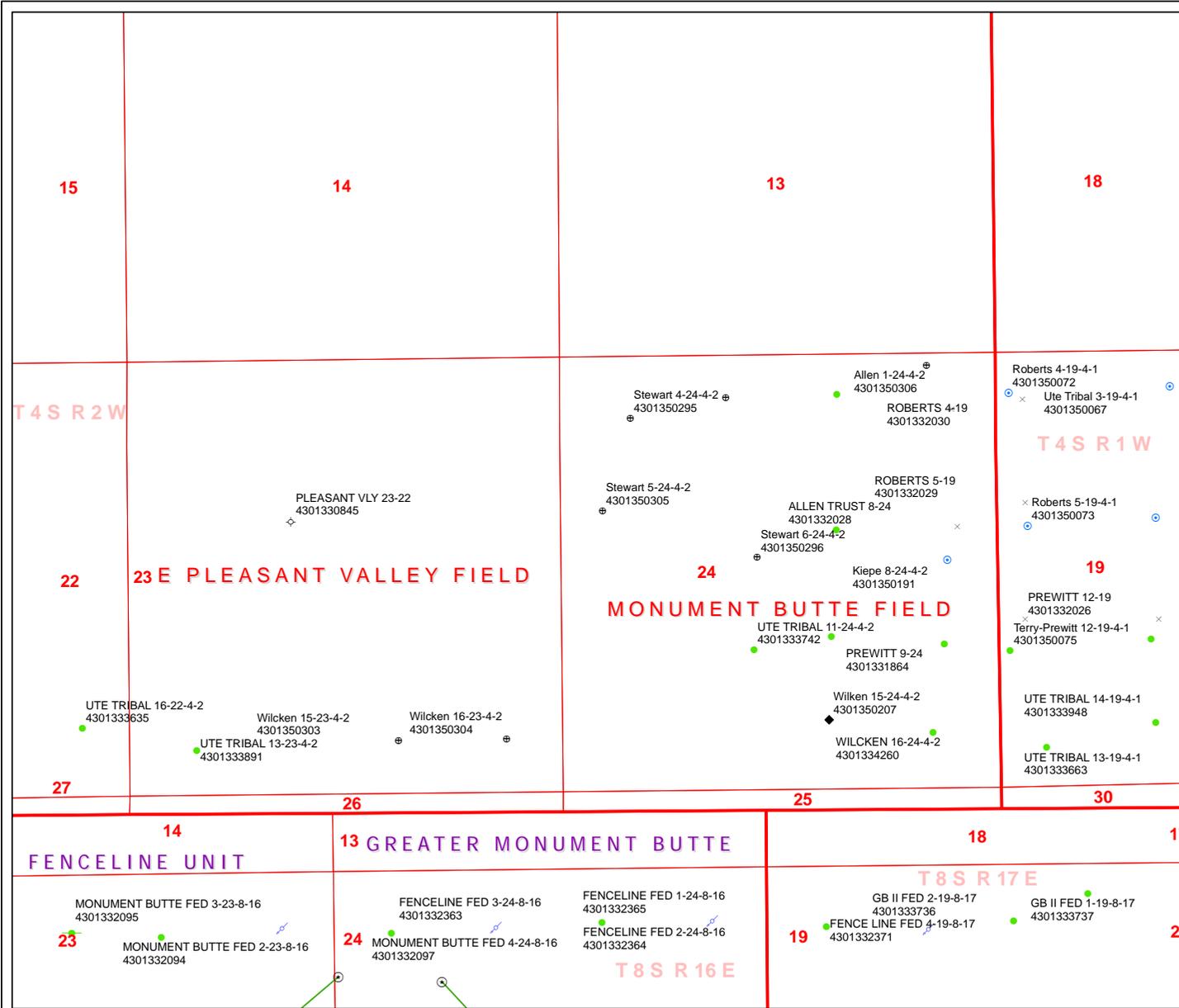
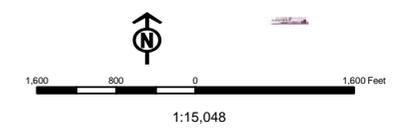
Calculations	String		"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi      *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi      *Assumes 1psi/ft frac gradient

**API Number: 4301350305**  
**Well Name: Stewart 5-24-4-2**  
**Township 04.0 S Range 02.0 W Section 24**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

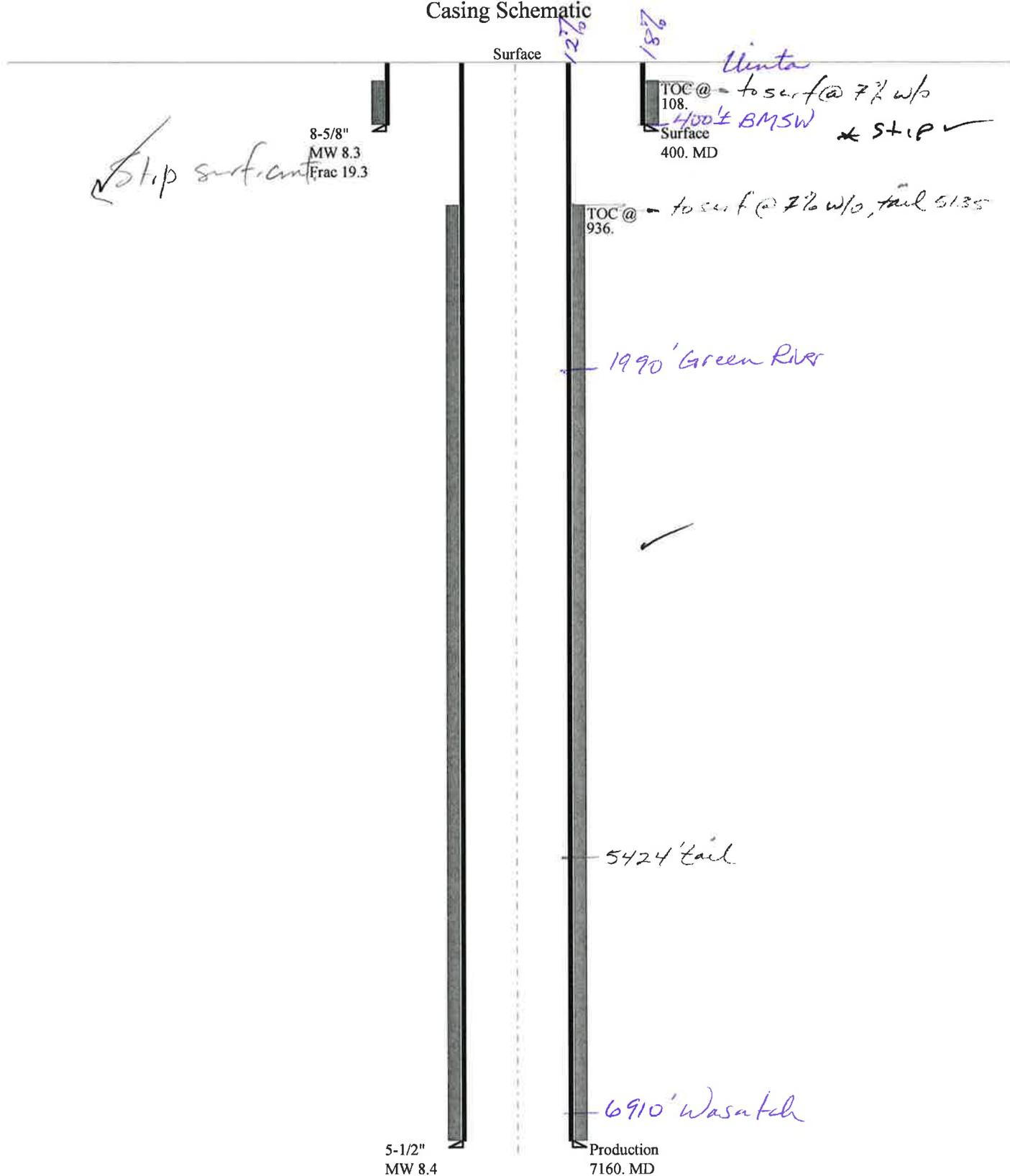
Map Prepared:  
 Map Produced by Diana Mason

<b>Units Status</b>	<b>Wells Query</b>
ACTIVE	✕ -call other values-
EXPLORATORY	◆ Status
GAS STORAGE	◆ APD - Approved Permit
NF PP OIL	○ DRL - Spudded (Drilling Commenced)
NF SECONDARY	○ GW - Gas Injection
PI OIL	○ GS - Gas Storage
PP GAS	✕ LA - Location Abandoned
PP GEOTHERMAL	⊕ LOC - New Location
PP OIL	⊖ OPS - Operation Suspended
SECONDARY	⊖ PA - Plugged Abandoned
TERMINATED	⊖ PGW - Producing Gas Well
<b>Fields</b>	● POW - Producing Oil Well
Sections	⊖ RET - Returned APD
Township	⊖ SGW - Shut-in Gas Well
	● SOW - Shut-in Oil Well
	⊖ TA - Temp. Abandoned
	○ TW - Test Well
	○ WDW - Water Disposal
	○ WWI - Water Injection Well
	● WSW - Water Supply Well



# 43013503050000 Stewart 5-24-4-2

## Casing Schematic



Well name:	<b>43013503050000 Stewart 5-24-4-2</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Surface	Project ID:	43-013-50305
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 352 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 400 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 350 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 80 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
  
 Cement top: 108 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,160 ft  
 Next mud weight: 8.400 ppg  
 Next setting BHP: 3,124 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 400 ft  
 Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	2059
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	173	1370	7.917	400	2950	7.38	9.6	244	25.42 J

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

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

Date: May 12, 2010  
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013503050000 Stewart 5-24-4-2</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-013-50305
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,549 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 3,124 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 6,250 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 174 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 936 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7160	5.5	15.50	J-55	LT&C	7160	7160	4.825	25282
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	3124	4040	1.293	3124	4810	1.54	111	217	1.96 J

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

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

Date: May 12, 2010  
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7160 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 & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Stewart 5-24-4-2  
**API Number** 43013503050000      **APD No** 2562      **Field/Unit** MONUMENT BUTTE  
**Location: 1/4,1/4** SWNW    **Sec** 24    **Tw** 4.0S    **Rng** 2.0W    1837 FNL 531 FWL  
**GPS Coord (UTM)** 579721 4441599      **Surface Owner** Allan Smith and Shirley Smith

**Participants**

Floyd Bartlett (DOGM), Tim Eaton, (Newfield Production Co.), Dustin Gardiner (Tri State Land Surveying), Alan Smith (Surface Owner) Scott Harvey (Farm Manager for Alan Smith).

**Regional/Local Setting & Topography**

The proposed location is approximately 7.2 road miles southwest of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. Approximately 2160 feet of road will be improved or constructed across private land to reach the location.

The proposed Stewart 5-24-4-2 oil well location is on the edge of an alfalfa field. A barbed-wire fence also follows the edge of the field. The topography is essentially flat with a slight slope to the north. The location is within the normal drilling window. The reserve pit and the pit stockpile and the excess location spoils and pit top soil are shown within the irrigated field. The excess material will be moved so as not to be within the agricultural field. The two pit stock pile spoils will be combined and the pit top-soil pile replace one of these locations. This will be done so as to reduce the temporary and long-term impact on the agricultural field. The pad between Corners 1&2 will be angled to avoid a drainage in that area. No springs, streams, seeps or ponds are known to exist in the immediate area. The location appears to be a suitable site for drilling and operating a well.

Alan Smith owns the surface.

**Surface Use Plan**

**Current Surface Use**

- Grazing
- Agricultural
- Recreational
- Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.5	<b>Width</b> 204 <b>Length</b> 305	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?**

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

Greasewood, Russian knapweed, tamarix and numerous weedy annuals

Cattle, deer, small mammals and birds.

**Soil Type and Characteristics**

Deep sandy clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required?** Y

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

<b>Site-Specific Factors</b>	<b>Site Ranking</b>	
<b>Distance to Groundwater (feet)</b>		20
<b>Distance to Surface Water (feet)</b>	300 to 1000	2
<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>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	47
		1 Sensitivity Level

**Characteristics / Requirements**

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

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

**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

4/6/2010  
**Date / Time**

# Application for Permit to Drill Statement of Basis

5/17/2010

## Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	API WellNo	Status	Well Type	Surf Owner	CBM
2562	43013503050000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Allan Smith and Shirley Smith	
<b>Well Name</b>	Stewart 5-24-4-2		<b>Unit</b>		
<b>Field</b>	MONUMENT BUTTE		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNW 24 4S 2W U 1837 FNL 531 FWL GPS Coord (UTM) 579718E 4441585N				

### Geologic Statement of Basis

Newfield proposes to set 400' 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 400'. A search of Division of Water Rights records shows 8 water wells within a 10,000 foot radius of the center of Section 24. Uses for these wells are listed as domestic, irrigation and stock watering. Depth is listed for only 2 of the wells, at 24 and 70 feet. The well producing from 70 feet is approximately 1/2 mile northwest of the proposed location. 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 should adequately protect ground water in this area.

Brad Hill  
**APD Evaluator**

4/27/2010  
**Date / Time**

### Surface Statement of Basis

The proposed location is approximately 7.2 road miles southwest of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. Approximately 2160 feet of road will be improved or constructed across private land to reach the location.

The proposed Stewart 5-24-4-2 oil well location is on the edge of an alfalfa field. A barbed-wire fence also follows the edge of the field. The topography is essentially flat with a slight slope to the north. The location is within the normal drilling window. The reserve pit and the pit stockpile and the excess location spoils and pit top soil are shown within the irrigated field. The excess material will be moved so as not to be within the agricultural field. The two pit stock pile spoils will be combined and the pit top-soil pile replace one of these locations. This will be done so as to reduce the temporary and long-term impact on the agricultural field. The pad between Corners 1&2 will be angled to avoid a drainage in that area. No springs, streams, seeps or ponds are known to exist in the immediate area. The location appears to be a suitable site for drilling and operating a well.

Alan Smith owns the surface. Mr. Smith and Mr. Scott Harvey, who manages the Smith property, were invited to and attended the pre-site evaluation. The proposal was explained to them. They agreed with the proposal as modified. A Surface Use Agreement exists. The minerals are owned by another party and under lease to Newfield Production Company.

Floyd Bartlett  
**Onsite Evaluator**

4/6/2010  
**Date / Time**

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# Application for Permit to Drill Statement of Basis

5/17/2010

Utah Division of Oil, Gas and Mining

Page 2

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## Conditions of Approval / Application for Permit to Drill

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

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

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**APD RECEIVED:** 4/14/2010

**API NO. ASSIGNED:** 43013503050000

**WELL NAME:** Stewart 5-24-4-2

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

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** SWNW 24 040S 020W

**Permit Tech Review:**

**SURFACE:** 1837 FNL 0531 FWL

**Engineering Review:**

**BOTTOM:** 1837 FNL 0531 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.12270

**LONGITUDE:** -110.06445

**UTM SURF EASTINGS:** 579718.00

**NORTHINGS:** 4441585.00

**FIELD NAME:** MONUMENT BUTTE

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** Fee

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

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

---

**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** STATE/FEE - B001834
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** 43-7478
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

**Commingle Approved**

**LOCATION AND SITING:**

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

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
23 - Spacing - dmason  
25 - Surface Casing - hmadonald



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Stewart 5-24-4-2  
**API Well Number:** 43013503050000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 5/18/2010

**Issued to:**

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

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

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

**Conditions of Approval:**

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.

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

Surface casing shall be cemented to the surface.

**Additional Approvals:**

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

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

**Notification Requirements:**

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

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

**Contact Information:**

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

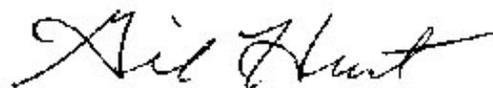
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

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

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

**Approved By:**



Gil Hunt  
Associate Director, Oil & Gas

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #29 Submitted  
By Ryan Crum Phone Number 823-7065  
Well Name/Number Stewart 5-24-4-2  
Qtr/Qtr SW/NW Section 24 Township 4s Range 2w  
Lease Serial Number Fee  
API Number 43013503050000

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

Date/Time 8/5/10      8:00 AM  PM

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

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

Date/Time 8/5/10      4:00 AM  PM

BOPE

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

Date/Time \_\_\_\_\_ AM  PM

Remarks \_\_\_\_\_

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	17741	4301350295	STEWART 4-24-4-2	NWNW	24	4S	2W	DUCHESNE	8/6/2010	8/19/10
WELL 1 COMMENTS: <i>GRRV</i>											
A	99999	17742	4301350305	STEWART 5-24-4-2	SWNW	24	4S	2W	DUCHESNE	8/6/2010	8/19/10
WELL 1 COMMENTS: <i>GRRV</i>											
B	99999	17400	4301334182	FEDERAL 12-30-8-16	NWSW	30	8S	16E	DUCHESNE	8/4/2010	8/19/10
WELL 1 COMMENTS: <i>GRRV</i>											
O	99999	17588	4301334048	UTE TRIBAL 12-30-4-2	NWSW	30	4S	2W	DUCHESNE	4/10/2010	5/15/10
CHANGE FORMATION F/ GRRV TO <u>GR-WS</u>											
O	99999	17636	4301350164	UTE TRIBAL 15-26-4-3	SWSE	26	4S	3W	DUCHESNE	5/28/2010	6/26/10
WELL 5 COMMENTS: CHANGE FORMATION F/ GRRV TO <u>GR-WS</u>											
O	99999	17587	4301350204	UTE TRIBAL 3-21-4-1	NENW	21	4S	1W	DUCHESNE	4/13/2010	5/13/10
WELL 5 COMMENTS: CHANGE FORMATION F/ GRRV TO <u>GR-WS</u>											

**CONFIDENTIAL** 8/19/10  
**CONFIDENTIAL** 8/19/10

- ACTION CODES (See instructions on back of form)
- A - 1 new entity for new well (single well only)
  - B - 1 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 - ther (explain in comments section)

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

RECEIVED  
 AUG 10 2010

DIV. OF OIL, GAS & MINING

*[Signature]*  
 Signature  
 Jentri Park  
 Production Clerk  
 08/10/10  
 Date

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
STEWART 5-24-4-2

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301350305

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:  
MYTON-TRIBAL EDA

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

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 24, T4S, R2W STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 08/12/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 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 8-5-10 MIRU ROSS spud rig #29. Drill 430' of 12 1/4" hole with air mist. TIH W/10 Jt's 8 5/8" J-55 24# csgr. Set @ 431.62. On 8-10-10 Cement with 200 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 3 bbls cement to pit.

NAME (PLEASE PRINT) Xabier Lasa

TITLE Drilling Foreman

SIGNATURE Xabier Lasa

DATE 08/12/2010

(This space for State use only)

**RECEIVED**

**AUG 17 2010**

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





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
STEWART 5-24-4-2

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301350305

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:  
MYTON-TRIBAL EDA

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1834 FNL 0531 FWL  
COTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 24, T4S, R2W

COUNTY: DUCHESNE  
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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: 09/15/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 09-15-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 09/16/2010

(This space for State use only)

**RECEIVED**  
**SEP 20 2010**  
**DIV. OF OIL, GAS & MINING**

## Daily Activity Report

Format For Sundry

**STEWART 5-24-4-2**

**7/1/2010 To 11/30/2010**

**9/2/2010 Day: 1**

**Completion**

Rigless on 9/2/2010 - Ran CBL & perforated 1st stage. SIWFN w/ 170 BWTR. - NU frac head & Cameron BOP's. RU Hot oiler & test casing, frac head, frac valves & BOP to 4500 psi. RU WLT w/ mast & pack off tool. Run CBL under pressure. WLTD was 7070' w/ TOC @ 24'. RIH w/ 3 1/8" ported guns & perforate CP5 sds @ 6709- 17', CP4 sds @ 6642- 44' & 6610- 13' w/ (11 gram, .36"EH, 16.82¢ pen. 120°) 3 spf for total of 39 shots. RD WLT & Hot Oiler. SIWFN w/ 170 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$13,024

**9/8/2010 Day: 2**

**Completion**

Rigless on 9/8/2010 - Frac well. Flow well back. - Stage #1; RU BJ Services "Ram Head" frac flange. RU BJ & open well w/ 0 psi on casing. Perfs broke down @ 2867 psi back to 2608 w/ 5 bbls @ 3 bpm. ISIP was 2325 w/ .78FG. 1 min was 2065. 4 min was 1810. Pump 6 bbls of 15% HCL acid (had 500 psi drop when hit perfs). Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 75,259#'s of 20/40 sand in 677 bbls of Lightning 17 frac fluid . Treated @ ave pressure of 3376 @ ave rate of 40 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 3136 w/ .90FG. 5 min was 2646. 10 min was 2372. 15 min was 2291. Leave pressure on well. 847 bbls EWTR. - Stage #2; RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & perf guns. Set plug @ 6550'. Perferate CP3 / 1 sds w/ 3-1/8" Slick Guns (16 gram, .34"EH, 120°, 21"pen) w/ 3 spf for total of 27 shots. RU BJ & open well w/ 1880 psi on casing. Perfs broke down @ 2380 psi back to 1967 w/ 2 bbls @ 4 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 39,271#'s of 20/40 sand in 450 bbls of Lightning 17 frac fluid . Treated @ ave pressure of 2736 @ ave rate of 40 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2255 w/ .78FG. 5 min was 2157. 10 min was 2105. 15 min was 2066. Leave pressure on well. 1297 bbls EWTR. - Stage #3; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5930'. Perferate B1 sds w/ 3 spf for total of 9 shots. RU BJ & open well w/ 1960 psi on casing. Perfs broke down @ 2835 psi back to 2700 w/ 2 bbls @ 7 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 9104#'s of 20/40 sand in 265 bbls of Lightning 17 frac fluid . Treated @ ave pressure of 3476 @ ave rate of 18 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2310 w/ .83FG. 5 min was 2093. 10 min was 2015. 15 min was 1887. Leave pressure on well. 1562 bbls EWTR - Stage #4; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5740'. Perferate D3/2 sds w/ 3 spf for total of 27 shots. RU BJ & open well w/ 1801 psi on casing. Perfs broke down @ 2156 psi back to 2133 w/ 2 bbls @ 4 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 20,419#'s of 20/40 sand in 341 bbls of Lightning 17 frac fluid . Treated @ ave pressure of 3012 @ ave rate of 36 bpm w/ 6 ppg of sand. ISIP was 2250 w/ .83FG. 5 min was 1899. 10 min was 1809. 15 min was 1754. 1903 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed 450 bbls & turned to oil. 1453 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$85,213

**9/10/2010 Day: 3**

**Completion**

Nabors #147 on 9/10/2010 - MIRUSU. Set kill plug. PU tbg. - MIRUSU. Open well w/ 500 psi

on casing. RU Hot Oiler & pump 14 bbls down casing @ 225°. RU PSI WLT w/ lubricator. RIH w/ Weatherford solid composite plug & set @ 5550'. RD WLT. RD Cameron BOP's & frac head. RU 3M production ntbg head & Schefer BOP's. RU 4-3/4" Chomp mill . Tally, pickup & TIH w/ new 2-7/8", 6.5#, J-55 tbg. 90 Jts in RU pump & tanks. SIFN. - Continue PU tbg & TIH. Circulate well clean. Tag plug @ 5550'. RU swivel. Drlg out kill plug. TIH w/ tbg. Tag plug @ 5740'. Continue TiH drlg out plugs. Tag fill @ 6960'. C/O to PBSD @ 7130'. LD 3 jts tbg. RU swab equipment. SIFN. - MIRUSU. Open well w/ 500 psi on casing. RU Hot Oiler & pump 14 bbls down casing @ 225°. RU PSI WLT w/ lubricator. RIH w/ Weatherford solid composite plug & set @ 5550'. RD WLT. RD Cameron BOP's & frac head. RU 3M production ntbg head & Schefer BOP's. RU 4-3/4" Chomp mill . Tally, pickup & TIH w/ new 2-7/8", 6.5#, J-55 tbg. 90 Jts in RU pump & tanks. SIFN. - Continue PU tbg & TIH. Circulate well clean. Tag plug @ 5550'. RU swivel. Drlg out kill plug. TIH w/ tbg. Tag plug @ 5740'. Continue TiH drlg out plugs. Tag fill @ 6960'. C/O to PBSD @ 7130'. LD 3 jts tbg. RU swab equipment. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$138,346

**9/14/2010 Day: 5**

**Completion**

Nabors #147 on 9/14/2010 - Swab well for cleanup. POOH w/ tbg. RIH w/ partial tbg. string. - Csg. @ 350 psi, tbg. @ 250 psi. Bleed off well. RIH w/ swab. SFL @ surface. Made 26 runs. Recovered 180 bbls. Ending oil cut @ approx. 10%. No show of sand. EFL @ 500'. RD swab. RIH w/ tbg. Tag PBSD @ 7130'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 80 jts 2 7/8" tbg. SWIFN. 1290 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$157,752

**9/15/2010 Day: 6**

**Completion**

Nabors #147 on 9/15/2010 - RIH w/ tbg. ND BOP. Set TAC @ 6701' w/ 18,000# tension. RIH w/ rod string. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. PWOP @ 5:30 p.m. 122" stroke length, 5 spm. Final Report. 1290 BWTR. - Cont. RIH w/ tbg. ND BOP. Set TAC @ 6701' w/ 18,000# tension. NU wellhead. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 1/2" x 20' RHAC rod pump, 6- 1 1/2" weight bars, 162- 3/4" guided rods, 99- 7/8" guided rods, 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 5:30 p.m. 122" stroke length, 5 spm. Final Report. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$193,866

**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
FEE

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
STEWART 5-24-4-2

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

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

9. AFI Well No.  
43-013-50305

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface 1837' FNL & 531' FWL (SW/NW) SEC.24 , T4S, R2W  
 At top prod. interval reported below  
 At total depth 7160'

10. Field and Pool or Exploratory  
MYTON-TRIBAL EDA

11. Sec., T., R., M., on Block and Survey or Area  
SEC.24 , T4S, R2W

12. County or Parish  
DUCHESNE

13. State  
UT

14. Date Spudded  
08/05/2010

15. Date T.D. Reached  
08/27/2010

16. Date Completed 09/14/2010  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5268' GL 5280' KB

18. Total Depth: MD 7160' TVD

19. Plug Back T.D.: MD 7130' TVD

20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	431.62'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	7149.34'		315 PRIMLITE		24'	
						440 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@6800'	TA @ 6701'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6610-6717 (CP4 & CP5)	.36"	3	39
B) Green River			6479-6520 (CP1 & CP3)	.36"	3	27
C) Green River			5831-5834 (B1)	.36"	3	9
D) Green River			5593-5641 (D2 & D3)	.36"	3	27

26. Perforation Record

Depth Interval	Amount and Type of Material
6610-6717	Frac w/ 75259# of 20/40 sand 331 bbls Lightning 17 fluid
6479-6520	Frac w/ 39271# of 20/40 sand 181 bbls Lightning 17 fluid.
5831-5834	Frac w/ 9104# of 20/40 sand 59 bbls Lightning 17 fluid.
5593-5641	Frac w/ 20419# of 20/40 sand 124 bbls Lightning 17 fluid.

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

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
9-14-10	9-23-10	24	→	221.85	0.00	265.58			2-1/2" x 1-1/2" x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
2-7/8"	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		→						

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

RECEIVED  
SEP 30 2010

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.)

SOLD AND 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	4456 4672
				GARDEN GULCH 2 POINT 3	4797 5094
				X MRKR Y MRKR	5322 5354
				DOUGALS CREEK MRK BI CARBONATE MRK	5481 5754
				B LIMESTON MRK CASTLE PEAK	5903 6391
				BASAL CARBONATE WASATCH	6762 6913

32. Additional remarks (include plugging procedure):

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

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

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

Name (please print) Monica Bradley Title Office Services Assistant

Signature Monica Bradley Date 09/23/2010

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

**Daily Activity Report**

Format For Sundry

**STEWART 5-24-4-2****6/1/2010 To 10/30/2010****STEWART 5-24-4-2****Waiting on Cement****Date:** 8/8/2010

Ross #29 at 432. Days Since Spud - set@431.62', On 8-10-10 cement w/ BJ w/200sks of Class G+2%KCL+.25#CF mixed @ 15.8ppg and 1.17 - yield, returned 3 bbls to pit, bump plug to 170 psi. BLM and state were notified via email - On 8-5-10 spud w/ Ross rig # 29 and drill 430' of 12 1/4" hole, P/U and run 10 jts of 8 5/8" casing

**Daily Cost:** \$0**Cumulative Cost:** \$53,983**STEWART 5-24-4-2****Waiting on Cement****Date:** 8/21/2010

Ross #29 at 432. 0 Days Since Spud - Rig down , work on mud pump and change hub on # 1 drawworks motors

**Daily Cost:** \$0**Cumulative Cost:** \$56,978**STEWART 5-24-4-2****Drill 7 7/8" hole with fresh water****Date:** 8/22/2010

NDSI #1 at 618. 1 Days Since Spud - Move rig w/ RWJones, set equipment, and rig up - No H2S or flow in last 24 hours - P/U BHA , test Extreme toll and Tag @ 375', work on pason encoder - Drill 7 7/8" hole F/ 375' to 618' w/ 12K WOB,TRPM-165,GPM-360,Avg ROP-61 ft/hr - R/U, B&C and test kelly,pipe&blinds,choke man. To 2000#/10 minutes,casing 1500#/30 min - Work on drawworks, change out hub on # 1 drawworks motor

**Daily Cost:** \$0**Cumulative Cost:** \$87,643**STEWART 5-24-4-2****Drill 7 7/8" hole with fresh water****Date:** 8/23/2010

NDSI #1 at 2614. 2 Days Since Spud - NO H2S or flow reported in last 24 hours - Drill 7 7/8" hole F/ 2237' to 2614' w/ 18K WOB,TRPM-155,GPM-350,Avg ROP-84 ft/hr - Work on mud pump, (pony rod broke) - Drill 7 7/8" hole F/ 1863' to 2237' w/ 18K WOB,TRPM-155,GPM-350,Avg ROP-94 ft/hr - Change swab in pump - Drill 7 7/8" hole F/ 618' to 1863' w/ 18K WOB,TRPM-155,GPM-350,Avg ROP-108 ft/hr - Rig Service, check crownomatic and BOP

**Daily Cost:** \$0**Cumulative Cost:** \$102,120**STEWART 5-24-4-2****TOOH****Date:** 8/24/2010

NDSI #1 at 4148. 3 Days Since Spud - Service rig. Function test BOP and crown-o-matic. - Drill 7 7/8" hole from 3023' to 3836' with 20 klbs WOB, 150 total RPM, and 81 ft/hr avg ROP. - Drill 7 7/8" hole from 3836' to 4148' with 20 klbs WOB, 150 total RPM, and 35 ft/hr avg ROP. - Work on pump. - Drill 7 7/8" hole from 2614' to 3023' with 20 klbs WOB, 150 total RPM, and 116 ft/hr avg ROP.

**Daily Cost:** \$0**Cumulative Cost:** \$116,597

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**STEWART 5-24-4-2****Drill 7 7/8" hole with fresh water****Date:** 8/25/2010

NDSI #1 at 5778. 4 Days Since Spud - Circulate well to trip out of hole for bit. - Gain circulation and ream from 4118' to 4148'. - Drill 7 7/8" hole from 4148' to 4901' with 15 klbs WOB, 150 total RPM, and 94 ft/hr avg ROP. - Drill 7 7/8" hole from 4901' to 5778' with 15 klbs WOB, 150 total RPM, and 73 ft/hr avg ROP. - Trip out of hole for Ulterra bit and trip back into hole with Smith MI 616 bit.

**Daily Cost:** \$0**Cumulative Cost:** \$131,074

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**STEWART 5-24-4-2****Lay Down Drill Pipe/BHA****Date:** 8/26/2010

NDSI #1 at 7160. 5 Days Since Spud - Service rig. Function test BOP and crown-o-matic. - Lay down drill pipe. - Drill 7 7/8" hole from 5778' to 6216' with 20 klbs WOB, 150 total RPM, and 110 ft/hr avg ROP. - Circulate and condition well. - Drill 7 7/8" hole from 6690' to TD (7160') with 20 klbs WOB, 150 total RPM, and 59 ft/hr avg ROP. - Drill 7 7/8" hole from 6216' to 6690' with 20 klbs WOB, 150 total RPM, and 63 ft/hr avg ROP.

**Daily Cost:** \$0**Cumulative Cost:** \$170,146

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**STEWART 5-24-4-2****Wait on Completion****Date:** 8/27/2010

NDSI #1 at 7160. 6 Days Since Spud - Circulate well and rig up BJ Services to cement. - Pump 315 sacks of lead cement at 11 ppg and 3.54 cuft/sk. Follow with 440 sacks of tail cement - at 14.4 ppg and 1.24 cuft/sk. Displace with 170 bbls of water. Return 17 bbls of cement to pit. - Nipple down and set slips with 80,000 lbs of tension. - Clean mud tanks and rig down. - Release rig 12:00 am at on 8/27/10. - and top of float collar set at 7129.86'. - guide shoe, shoe joint, float collar, and 168 joints of casing. Top of short joint set at 4538.42' - Rig up B&C Quick Test and pressure test casing rams to 2000 psi for 10 minutes. - DSN/SDL/GR/CAL suite from logger's TD (7150') to 3000'. - Rig up PSI and run DISGL/SP/GR suite from logger's TD (7150') to surface casing. Run - Finish laying down drill pipe and BHA. - Rig up Marcus Liddell casing crew and run 169 joints 5 1/2" J-55 15.5# casing set at 7149.34'. Run **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$351,210

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**Pertinent Files: Go to File List**