

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER GMBU 8-27-9-15
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT MONUMENT BUTTE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		7. OPERATOR PHONE 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052		9. OPERATOR E-MAIL mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-66185	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2132 FNL 532 FEL	SENE	27	9.0 S	15.0 E	S
Top of Uppermost Producing Zone	2132 FNL 532 FEL	SENE	27	9.0 S	15.0 E	S
At Total Depth	2132 FNL 532 FEL	SENE	27	9.0 S	15.0 E	S

21. COUNTY DUCHEсне	22. DISTANCE TO NEAREST LEASE LINE (Feet) 812	23. NUMBER OF ACRES IN DRILLING UNIT 40
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1670	26. PROPOSED DEPTH MD: 6015 TVD: 6015	
27. ELEVATION - GROUND LEVEL 6484	28. BOND NUMBER WYB000493	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6015	15.5	J-55 LT&C	8.3	Premium Lite High Strength	277	3.43	11.0
							50/50 Poz	363	1.24	14.4

ATTACHMENTS

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

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

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 01/29/2013	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013519960000	APPROVAL  Permit Manager	

NEWFIELD PRODUCTION COMPANY
GMBU 8-27-9-15
SE/NE SECTION 27, T9S R15E
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' – 1435'
Green River	1435'
Wasatch	5865'
Proposed TD	6015'

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

Green River Formation (Oil) 1435' – 5865'

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 ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU 8-27-9-15**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6015'	15.5	J-55	LTC	4,810 2.51	4,040 2.11	217,000 2.33

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: GMBU 8-27-9-15**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,015'	Prem Lite II w/ 10% gel + 3% KCl	277	30%	11.0	3.26
			904			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

*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 ± 300 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 ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

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

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

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

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

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

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

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

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

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

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

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

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

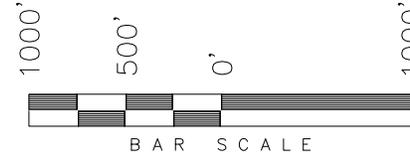
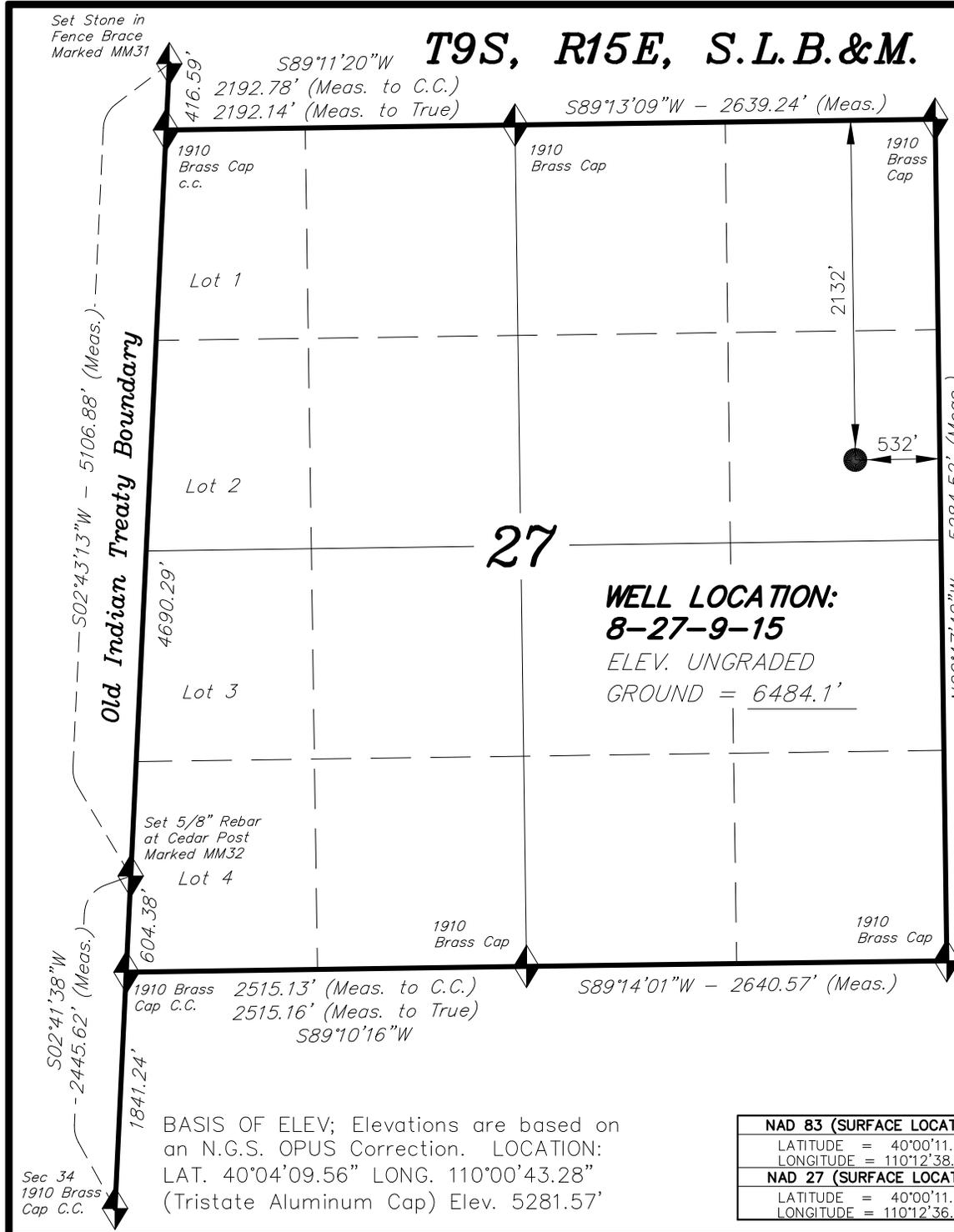
It is anticipated that the drilling operations will commence the second quarter of 2013, and take approximately seven (7) days from spud to rig release.

Set Stone in
Fence Brace
Marked MM31

T9S, R15E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 8-27-9-15, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 27, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.



◆ = SECTION CORNERS LOCATED

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.

REGISTERED LAND SURVEYOR
 No. 189377
 11-15-12
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

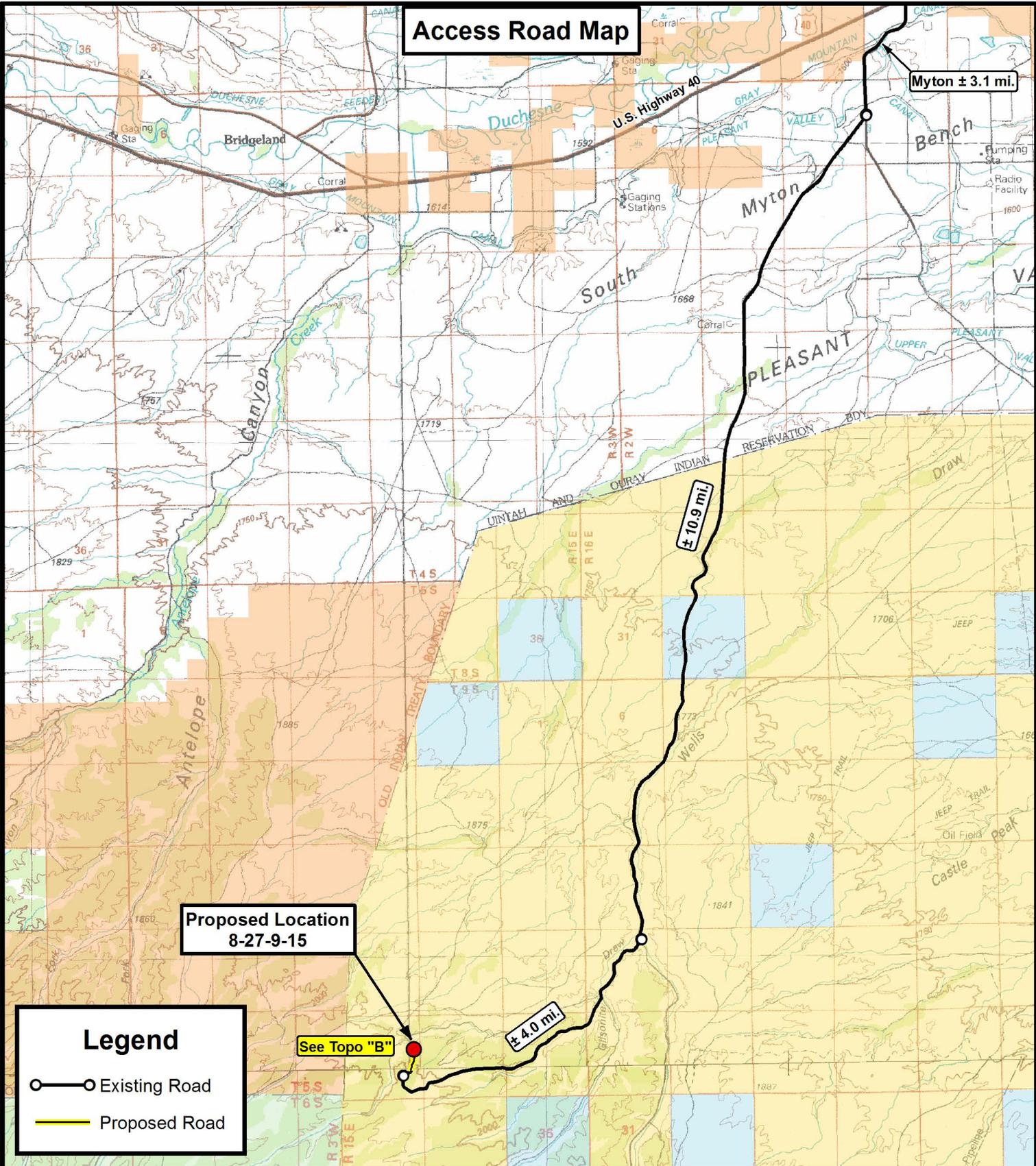
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'11.82"
LONGITUDE = 110°12'38.61"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'11.96"
LONGITUDE = 110°12'36.06"

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

DATE SURVEYED: 08-03-12	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 11-15-12	DRAWN BY: V.H.	V2
REVISED:	SCALE: 1" = 1000'	

Access Road Map



Proposed Location
8-27-9-15

See Topo "B"

Legend

- Existing Road
- Proposed Road

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

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

8-27-9-15
SEC. 27, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	11-15-2012		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A

Access Road Map

**Proposed Location
8-27-9-15**

± 1,282'

± 0.1 mi.

Myton ± 18.0 mi.

Legend

-  Existing Road
-  Proposed Road

Total Road Distances	
Proposed Road	± 1,282'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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NEWFIELD EXPLORATION COMPANY

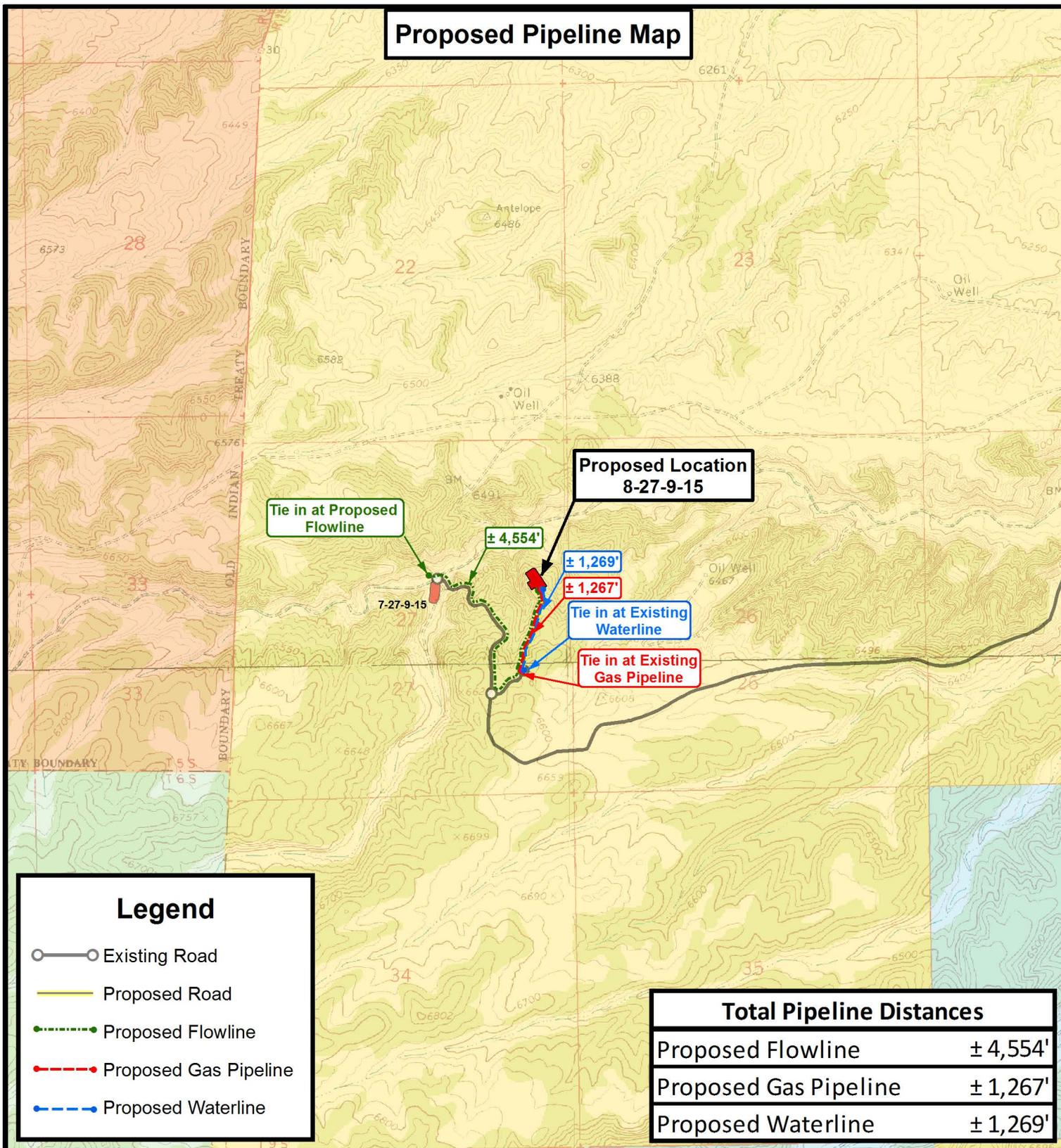
**8-27-9-15
SEC. 27, T9S, R15E, S.L.B.&M.
Duchesne County, UT.**

DRAWN BY:	D.C.R.	REVISED:	11-15-12 D.C.R.	VERSION:
DATE:	08-09-2012			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Proposed Flowline
- Proposed Gas Pipeline
- Proposed Waterline

Total Pipeline Distances

Proposed Flowline	± 4,554'
Proposed Gas Pipeline	± 1,267'
Proposed Waterline	± 1,269'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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NEWFIELD EXPLORATION COMPANY

8-27-9-15
SEC. 27, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

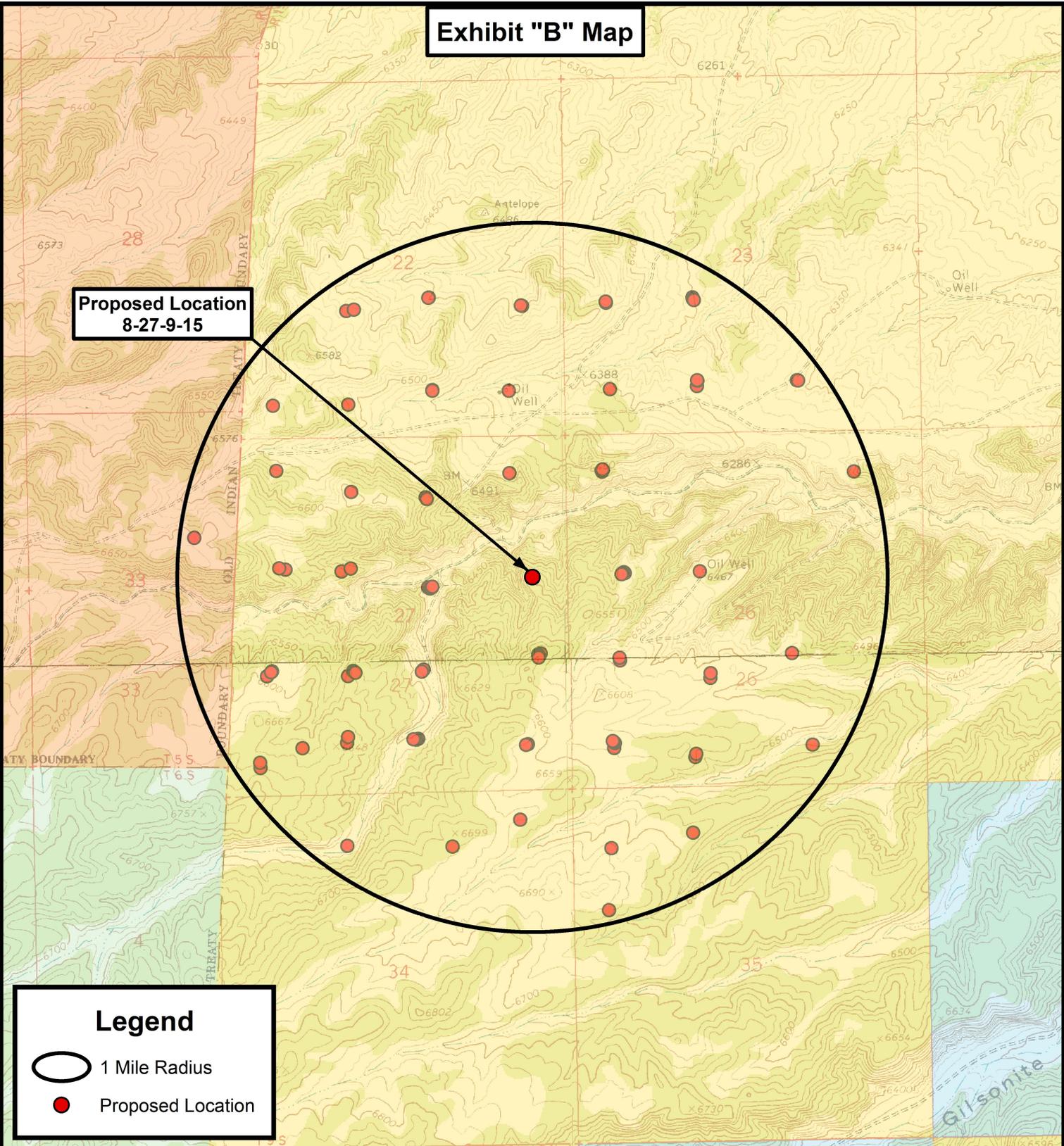
DRAWN BY:	D.C.R.	REVISED:	11-15-12 D.C.R.	VERSION:	
DATE:	08-09-2012			V2	
SCALE:	1" = 2,000'				

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Proposed Location
8-27-9-15**



Legend

-  1 Mile Radius
-  Proposed Location

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NEWFIELD EXPLORATION COMPANY

**8-27-9-15
SEC. 27, T9S, R15E, S.L.B.&M.
Duchesne County, UT.**

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	11-15-2012		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D

**NEWFIELD PRODUCTION COMPANY
GMBU 8-27-9-15
SE/NE SECTION 27, T9S R15E
DUCHESNE COUNTY, UTAH**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

This is a new pad with one proposed vertical well.

1. EXISTING ROADS

To reach Newfield Production Company well location site GMBU 8-27-9-15 located in the SE 1/4 NE 1/4 Section 27, T9S, R15E, Duchesne County, Utah:

- a) Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction –16.6 miles \pm to it's junction with an existing road to the northeast; proceed in a northeasterly direction – 0.1 miles \pm to it's junction with the beginning of the access road; proceed in a northeasterly direction along the proposed access road – 1,282' \pm to the proposed well location.
- b) The proposed location is approximately 18.3 miles southwest of Roosevelt, Utah
- c) Existing native surface roads in the area range from clays to a sandy-clay shale material.
- d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

2. PLANNED ACCESS ROAD

- a) Approximately 1,282 feet of access road is planned. The planned access consists of entirely new disturbance across entirely BLM surface. See attached Topographic Map "B".
- b) The planned access road will consist of a 20-foot permanent running surface crowned and ditched in order to handle any run-off from any precipitation events. The maximum grade will be 10% or less.
- c) There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.
- d) There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.
- e) All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

- a) Refer to Topographic Map "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- a) There are no existing facilities that will be utilized.
- b) It is anticipated that this well will be a producing oil well with some associated natural gas.

- c) 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.
- d) Tank batteries will be built to Federal Gold Book specifications.
- e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- f) Newfield Production Company requests 1,267' of surface gas line be granted. Newfield Production Company requests 1,269' of buried water line be granted. Newfield Production Company proposes 4,554 feet of surface flow line be granted. See attached Topographic Map "C".
- g) Where parallel corridors exist the disturbed area will be 60 feet wide to allow for construction of the proposed access road and pipeline corridor. The pipeline corridor will consist of a 12-inch or smaller natural gas pipeline, a 6-inch or smaller fuel gas line and an 10-inch or smaller produced water pipeline.
- h) The pipelines will tie in to the existing Newfield pipeline infrastructure. The proposed pipelines will be buried 4-feet deep or greater in a trench constructed with a trencher, trackhoe or backhoe for the length of the proposal. The construction phase of the planned access road, proposed pipelines will last approximately (10) days.
- i) The centerline of the proposed route will be staked prior to installation. Pipelines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated.
- j) Lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country, travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet to adequately support the equipment .

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

- a) Newfield Production will transport water by truck from nearest water source. The available water sources are as follows:
 - Johnson Water District (Water Right : 43-7478)
 - Maurice Harvey Pond (Water Right: 47-1358)
 - Neil Moon Pond (Water Right: 43-11787)
 - Newfield Collector Well (Water Right: 47-1817 - A30414DVA, contracted with the Duchesne County Conservancy District).

6. **SOURCE OF CONSTRUCTION MATERIALS**

- a) Construction material for this access road will be borrowed material accumulated during construction of the access road. If any additional borrow or gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

- a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The 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.
- b) The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.
- c) A portable toilet will be provided for human waste.
- d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.
- e) After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw 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, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.
- f) 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.

Newfield Production Company guarantees that during the drilling and completion of the referenced well, 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 referenced well, 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.

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

- a) See attached Location Layout Sheet.

Fencing Requirements

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
 3. 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.
- b) 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
 1. 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.
 2. 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
 1. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP

Bureau of Land Management.

12. OTHER ADDITIONAL INFORMATION

- a) Montgomery Archeological Consultants, Inc. has conducted a Class III archeological survey. State of Utah Antiquities Project Permit # U-04-MQ-1417b 6/28/05. The report has been submitted under separate cover by Montgomery Archeological Consultants, Inc. The cover page of the report has been attached to this submittal for reference. Newfield would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- b) Wade E. Miller Ph.D. Paleontological Consultant has conducted a paleontological survey. The report has been submitted under separate cover by Wade E. Miller dated 10/10/12. The cover page of the report has been attached to this submittal for reference.
- c) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal 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.

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

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

Representative

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

Certification

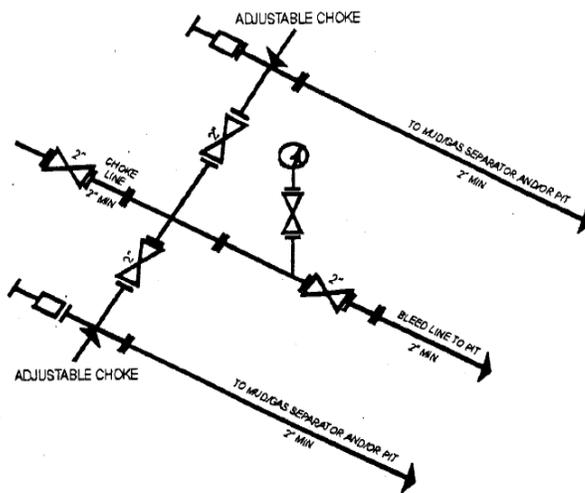
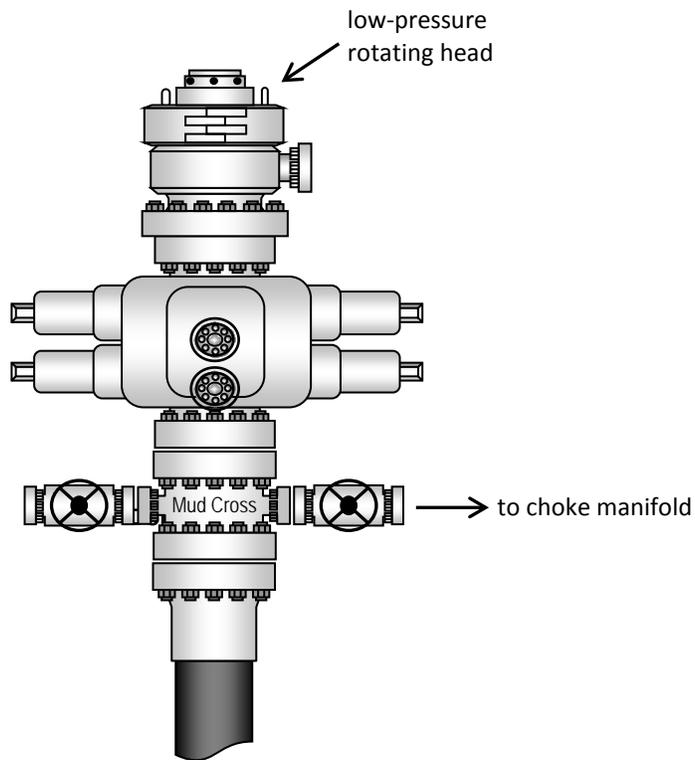
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-27-9-15, Section 27, Township 9S, Range 15E: Lease UTU-66185 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

1/24/13
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

Typical 2M BOP stack configuration



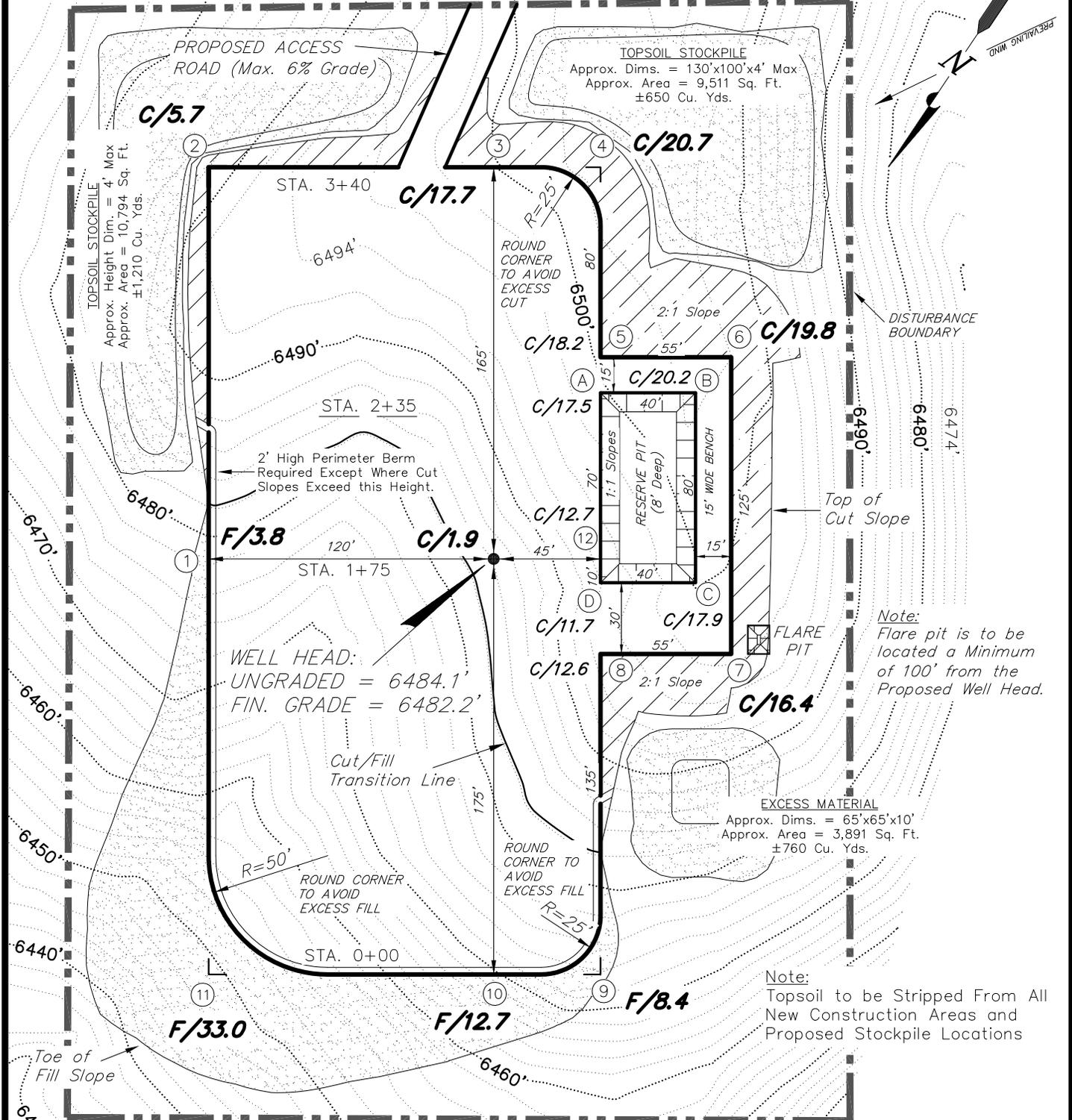
2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

8-27-9-15

Pad Location: SENE Section 27, T9S, R15E, S.L.B.&M.



Note: Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

Note: Topsoil to be Stripped From All New Construction Areas and Proposed Stockpile Locations

REFERENCE POINTS

225' NORTHWESTERLY	= 6457.3'
273' NORTHWESTERLY	= 6452.5'
170' NORTHEASTERLY	= 6474.1'
220' NORTHEASTERLY	= 6463.7'

NOTE: The topsoil & excess material areas are calculated as being mounds containing 2,620 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.H.	DATE SURVEYED: 08-03-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-15-12	V2
SCALE: 1" = 60'	REVISED:	

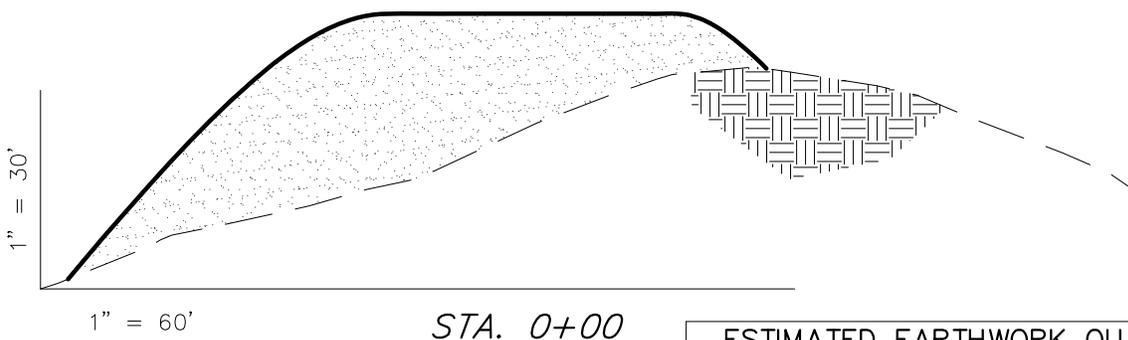
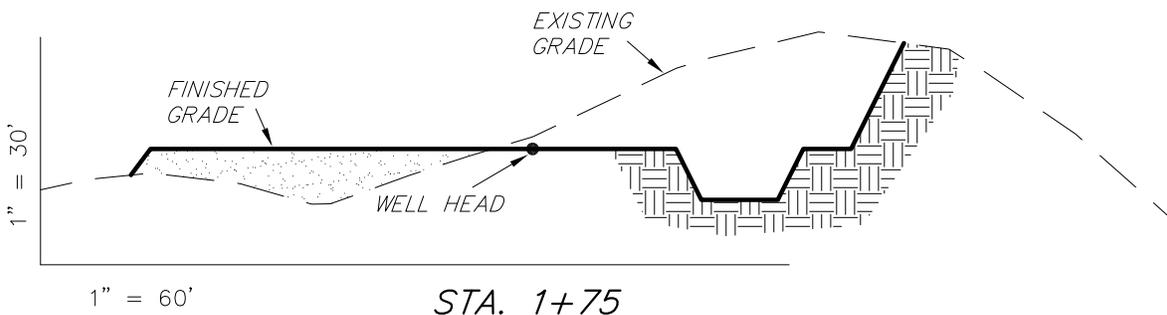
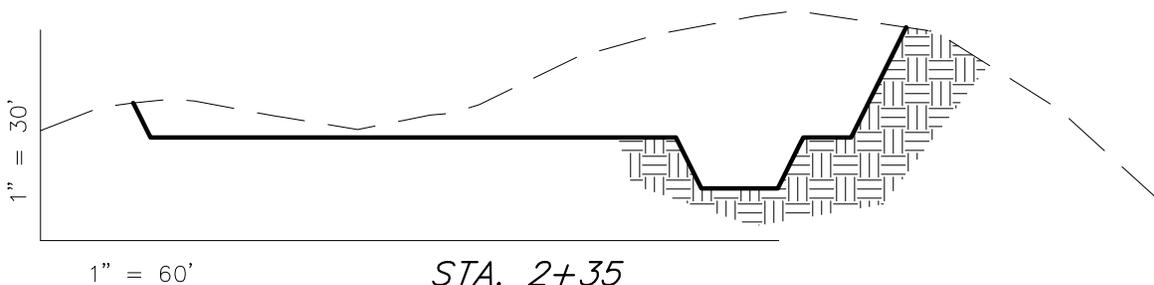
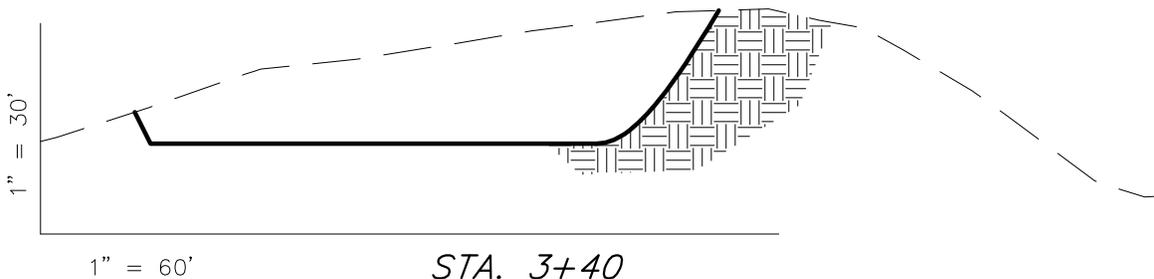
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

8-27-9-15

Pad Location: SENE Section 27, T9S, R15E, S.L.B.&M.



ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	16,700	16,700	Topsoil is not included in Pad Cut Volume	0
PIT	690	0		690
TOTALS	17,390	16,700	1,690	690

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

SURVEYED BY: S.H.	DATE SURVEYED: 08-03-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-15-12	V2
SCALE: 1" = 60'	REVISED:	

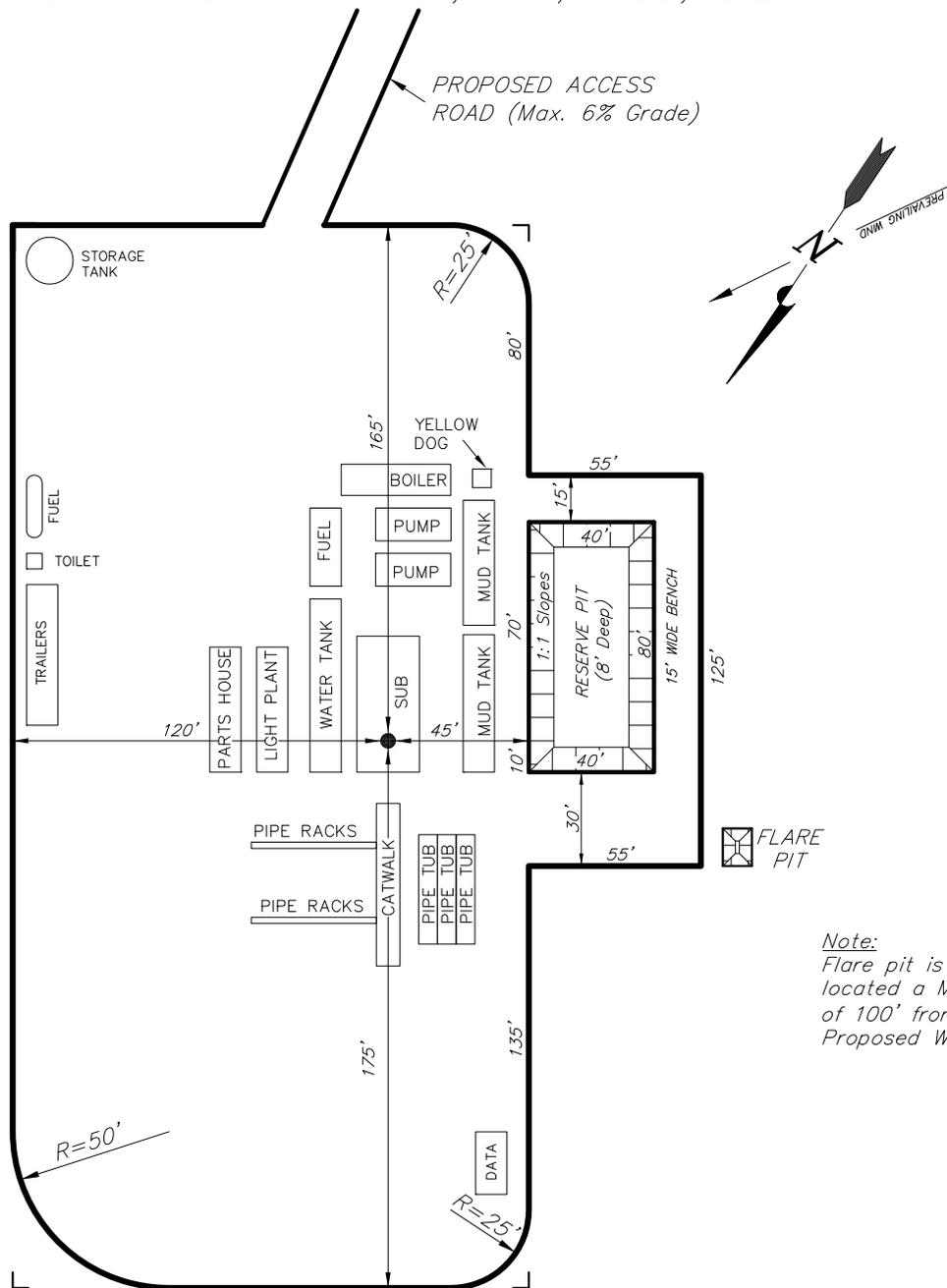
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

8-27-9-15

Pad Location: SENE Section 27, T9S, R15E, S.L.B.&M.



Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

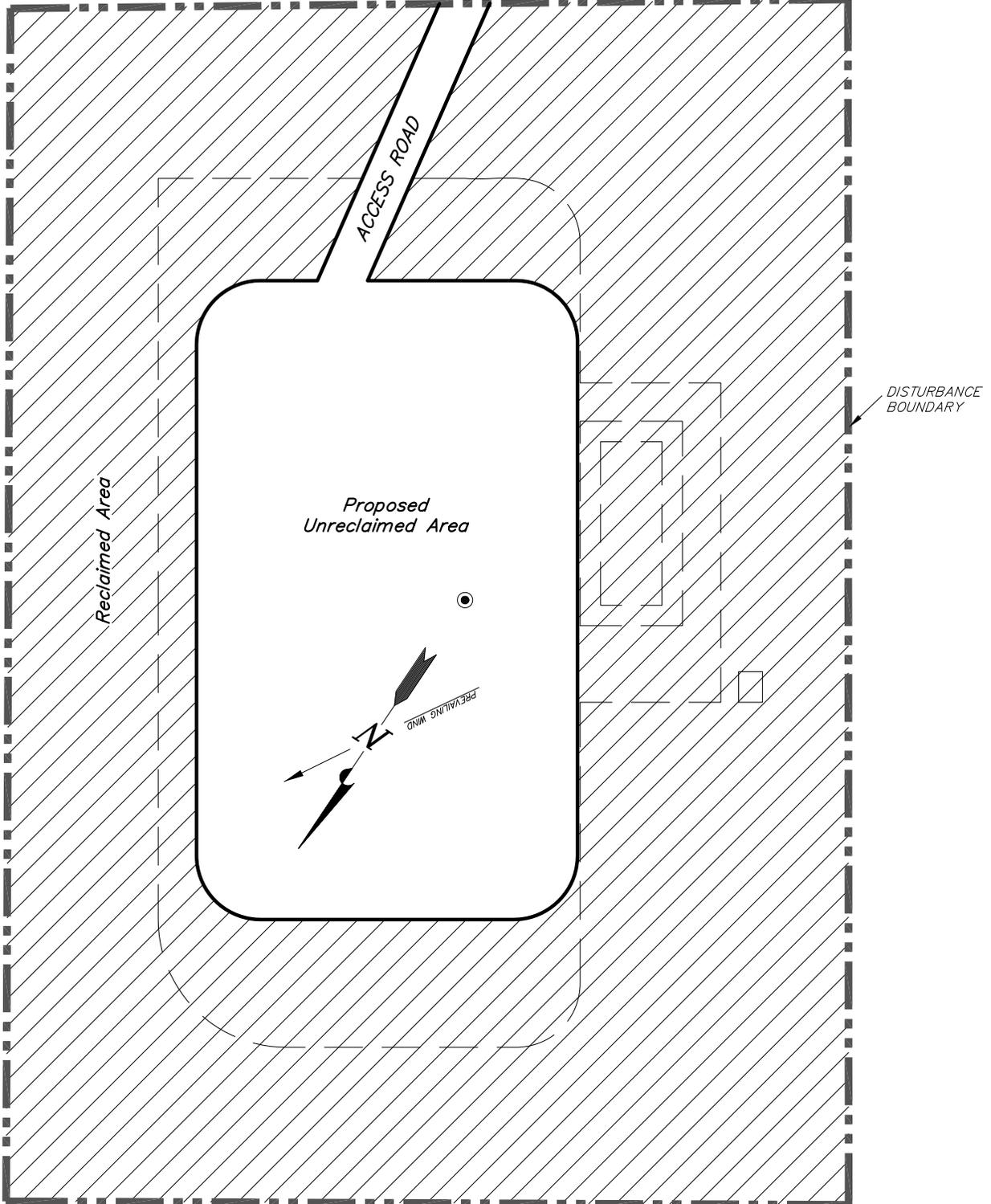
SURVEYED BY: S.H.	DATE SURVEYED: 08-03-12	VERSION:	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: V.H.	DATE DRAWN: 11-15-12	V2		
SCALE: 1" = 60'	REVISED:			

NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

8-27-9-15

Pad Location: SENE Section 27, T9S, R15E, S.L.B.&M.



Notes:

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = 3.54 ACRES
 TOTAL RECLAIMED AREA = 2.65 ACRES
 UNRECLAIMED AREA = 0.89 ACRES

SURVEYED BY: S.H.	DATE SURVEYED: 08-03-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-15-12	V2
SCALE: 1" = 60'	REVISED:	

Tri State

Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

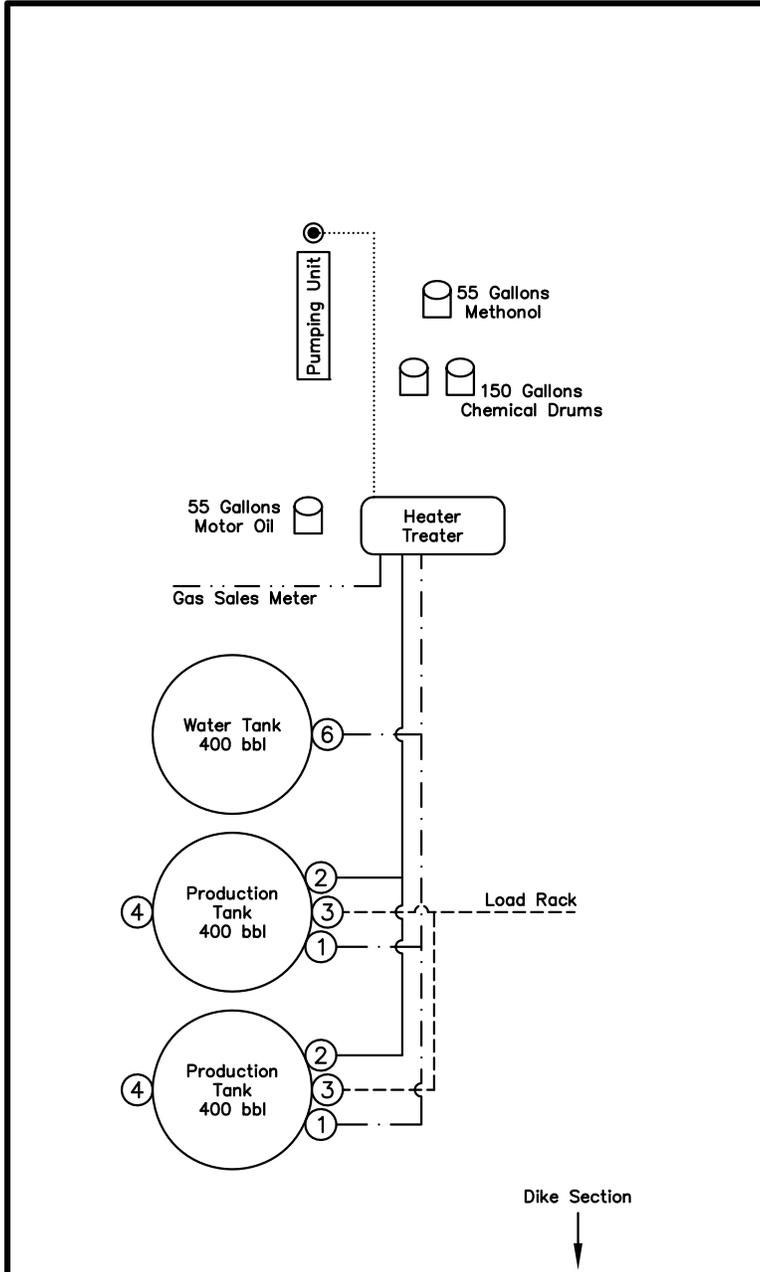
(435) 781-2501

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

8-27-9-15 UTU-66185

*Pad Location: SENE Section 27, T9S, R15E, S.L.B.&M.
Duchesne County, Utah*



Legend

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

NOT TO SCALE

SURVEYED BY: S.H.	DATE SURVEYED: 08-03-12	VERSION: V2	<p style="font-size: small; margin: 0;">(435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: V.H.	DATE DRAWN: 11-15-12		
SCALE: NONE	REVISED:		

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160
(UT-922)

February 20, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51977	GMBU 104-5-9-17	Sec 32 T08S R17E 0483 FSL 0663 FWL BHL Sec 05 T09S R17E 0182 FNL 0660 FWL
43-013-51978	GMBU 127-36-8-16	Sec 36 T08S R16E 2147 FSL 1819 FWL BHL Sec 36 T08S R16E 1173 FSL 2055 FWL
43-013-51979	GMBU 104-1-9-16	Sec 36 T08S R16E 0724 FSL 0856 FEL BHL Sec 01 T09S R16E 0376 FNL 0575 FWL
43-013-51980	GMBU 111-32-8-17	Sec 32 T08S R17E 0672 FNL 1977 FWL BHL Sec 32 T08S R17E 1463 FNL 1934 FWL
43-013-51981	GMBU 118-3-9-16	Sec 03 T09S R16E 1862 FSL 1919 FEL BHL Sec 03 T09S R16E 2567 FNL 1865 FEL
43-013-51993	GMBU 3-10-9-16	Sec 10 T09S R16E 0814 FNL 2092 FWL
43-013-51994	GMBU 6-30-9-16	Sec 30 T09S R16E 2341 FNL 0398 FWL BHL Sec 30 T09S R16E 1981 FNL 1883 FWL

RECEIVED: February 20, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51995	GMBU 5-30-9-16	Sec 30 T09S R16E 2362 FNL 0400 FWL
43-013-51996	GMBU 8-27-9-15	Sec 27 T09S R15E 2132 FNL 0532 FEL
43-013-51997	GMBU 16-32-8-17	Sec 32 T08S R17E 0836 FSL 0587 FEL

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

Michael L. Coulthard

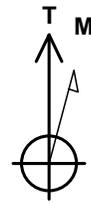
Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land
Management, ou=Branch of Minerals,
email=Michael_Coulthard@blm.gov, c=US
Date: 2013.02.20 13:16:01 -07'00'

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

MCoulthard:mc:2-20-13

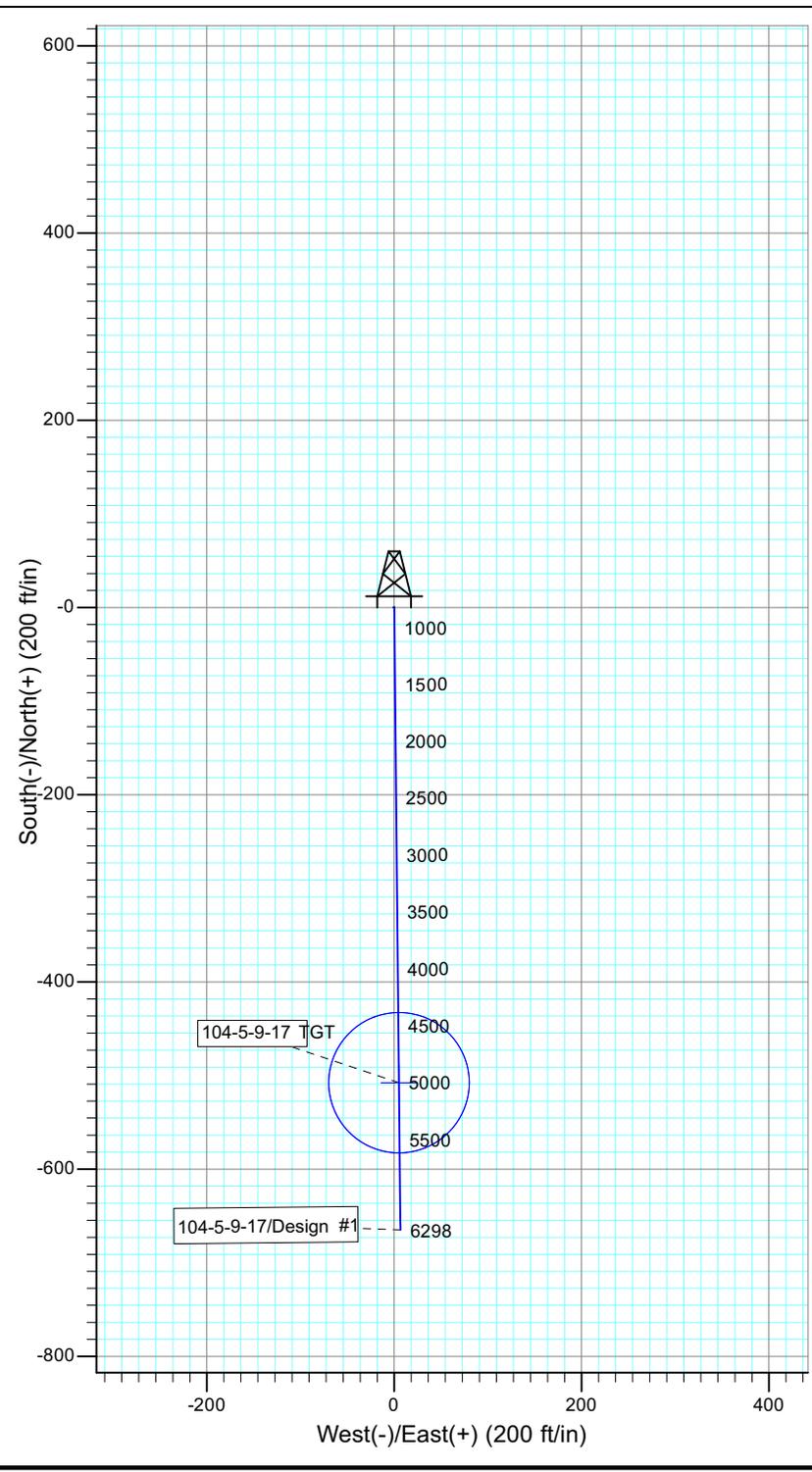
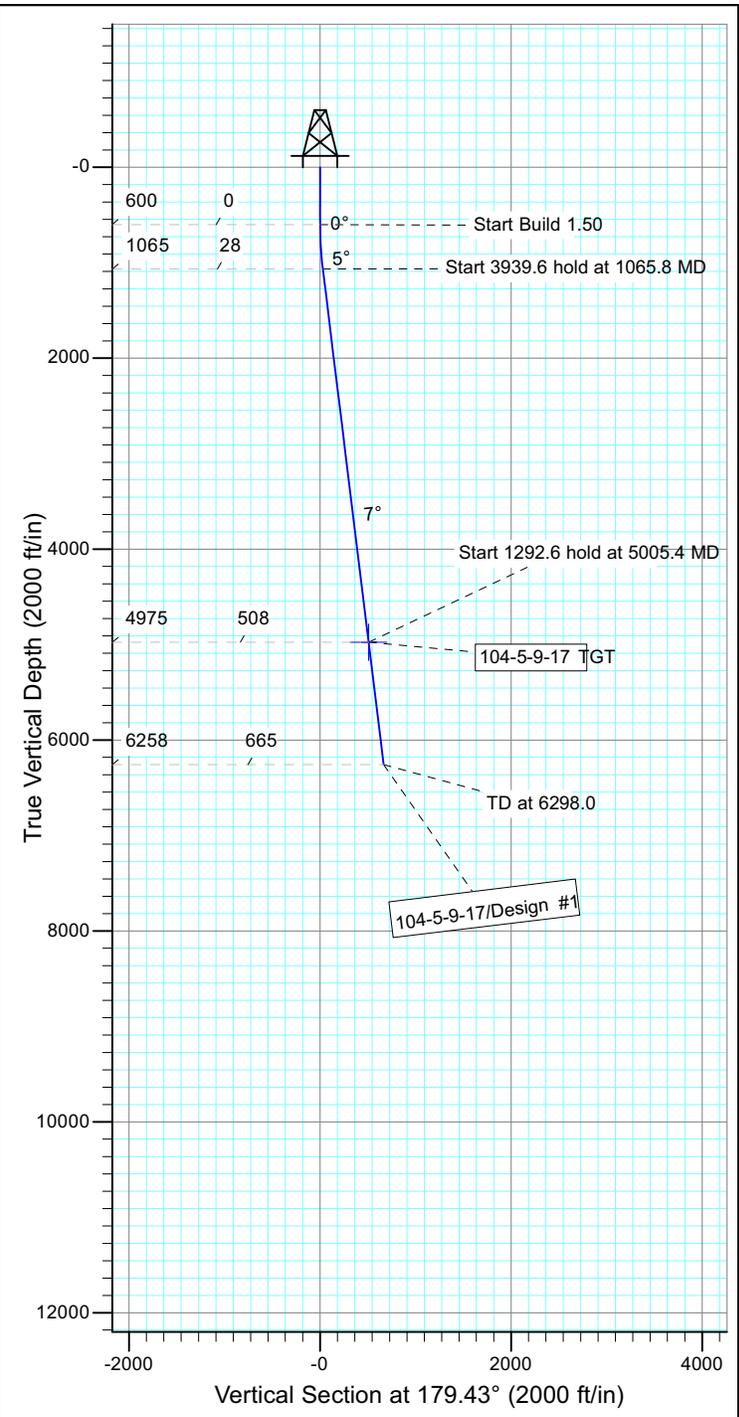


Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R17E
 Well: 104-5-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52150.4snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
104-5-9-17 TGT	4975.0	-507.6	5.0	Circle (Radius: 75.0)

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1065.8	6.99	179.43	1064.7	-28.4	0.3	1.50	179.43	28.4	
4	5005.4	6.99	179.43	4975.0	-507.6	5.0	0.00	0.00	507.6	104-5-9-17 TGT
5	6298.0	6.99	179.43	6258.0	-664.8	6.6	0.00	0.00	664.9	



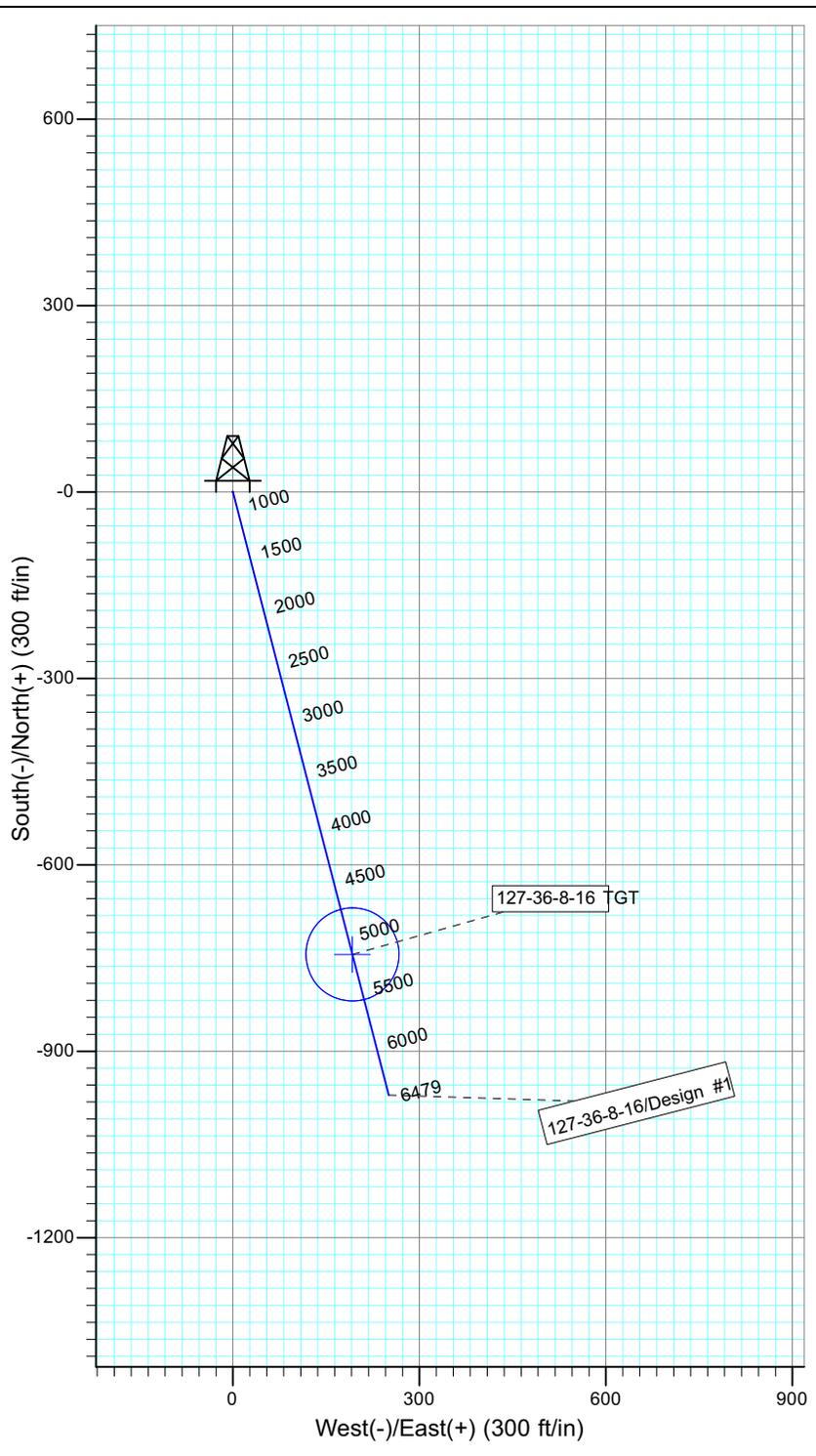
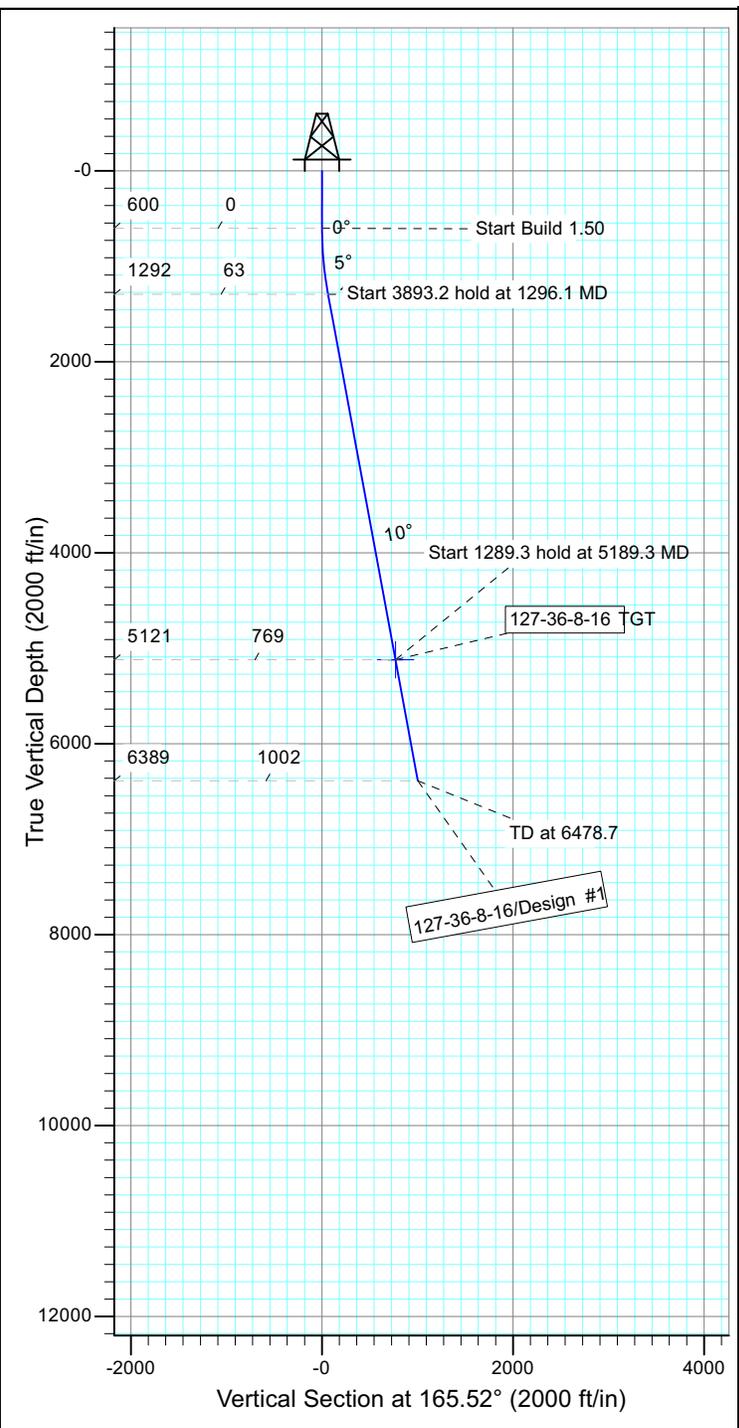


Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 127-36-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52146.3snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



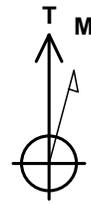
WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
127-36-8-16 TGT	5121.0	-744.4	192.2	Circle (Radius: 75.0)

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1296.1	10.44	165.52	1292.2	-61.2	15.8	1.50	165.52	63.2	
4	5189.3	10.44	165.52	5121.0	-744.4	192.2	0.00	0.00	768.8	127-36-8-16 TGT
5	6478.7	10.44	165.52	6389.0	-970.6	250.7	0.00	0.00	1002.5	



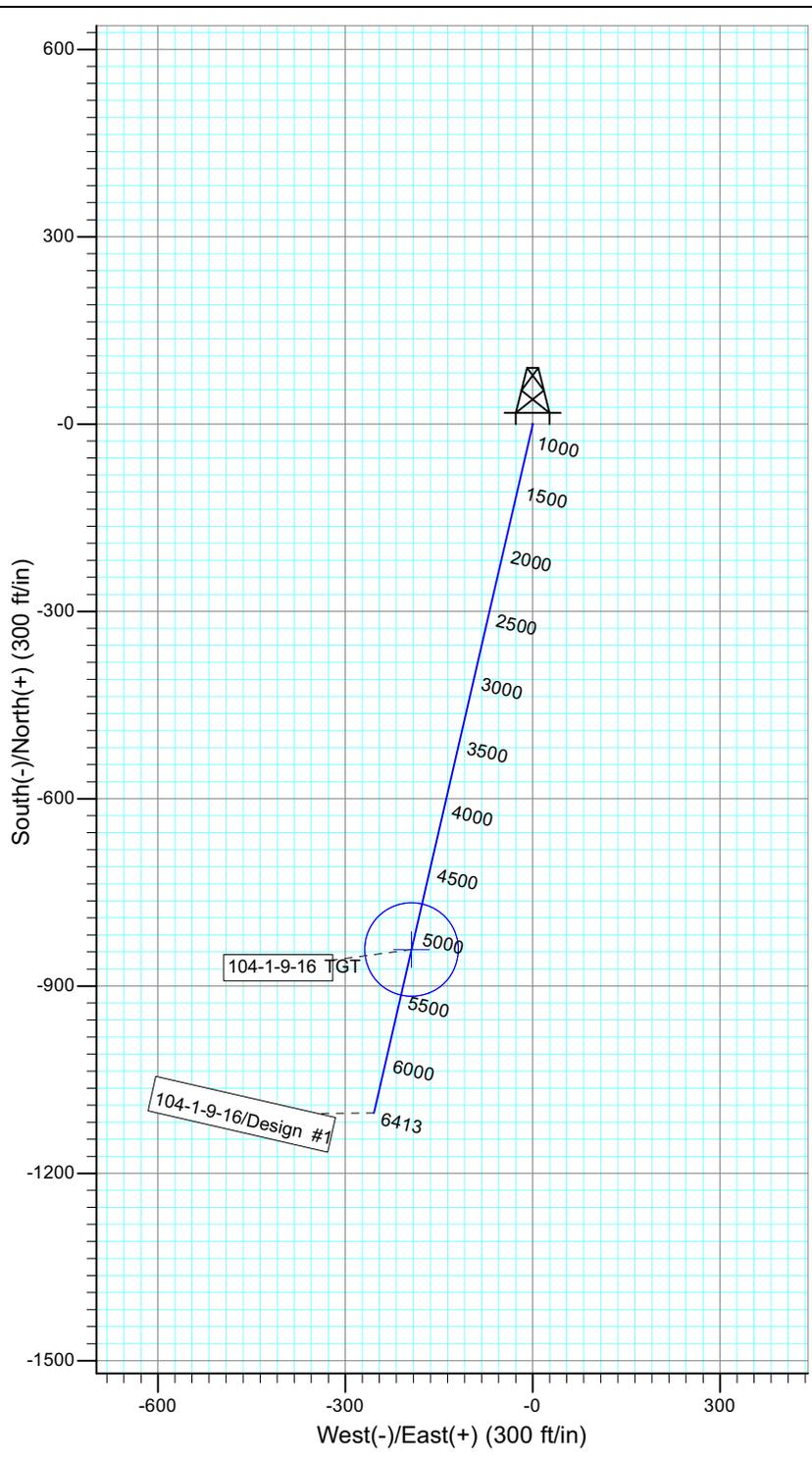
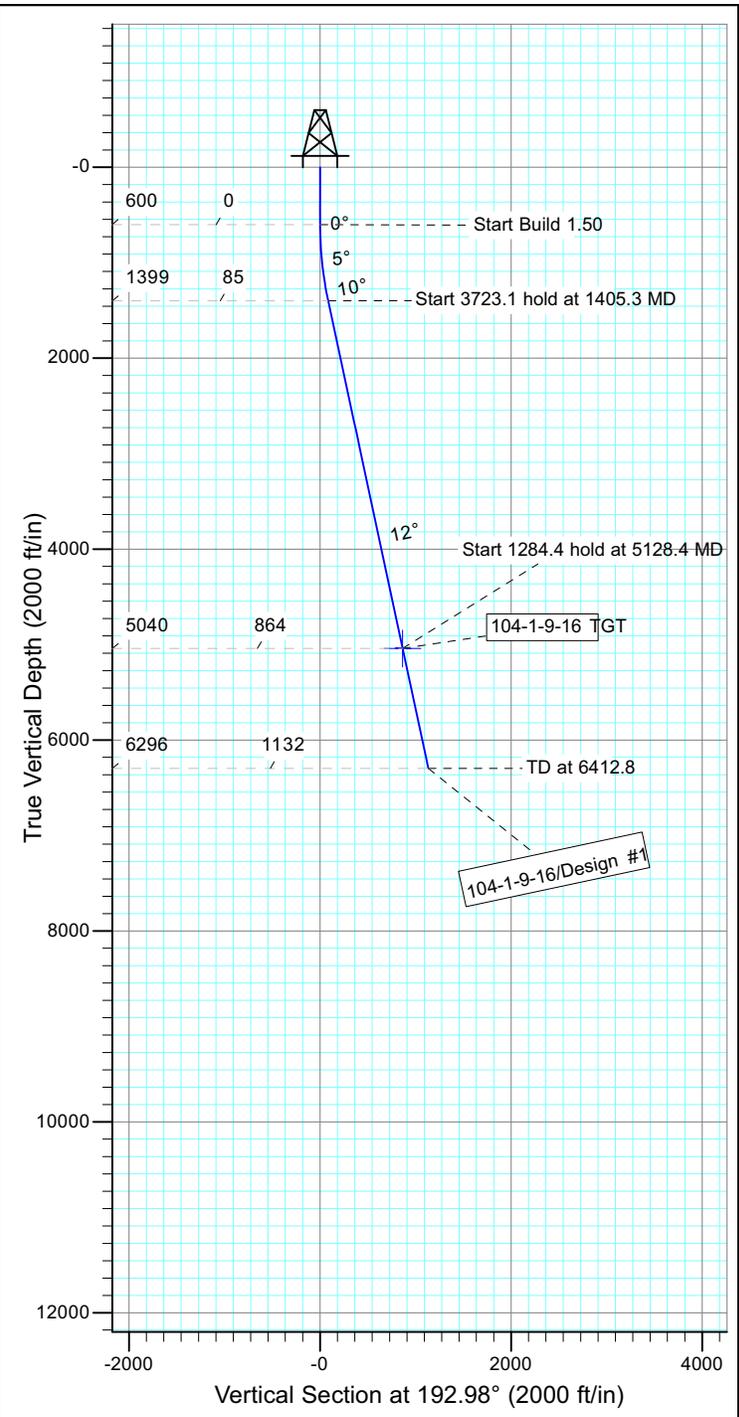


Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 104-1-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52144.4snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
104-1-9-16 TGT	5040.0	-841.6	-194.0	Circle (Radius: 75.0)

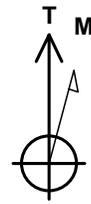
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1405.3	12.08	192.98	1399.3	-82.4	-19.0	1.50	192.98	84.6	
4	5128.4	12.08	192.98	5040.0	-841.6	-194.0	0.00	0.00	863.7	104-1-9-16 TGT
5	6412.8	12.08	192.98	6296.0	-1103.5	-254.4	0.00	0.00	1132.5	



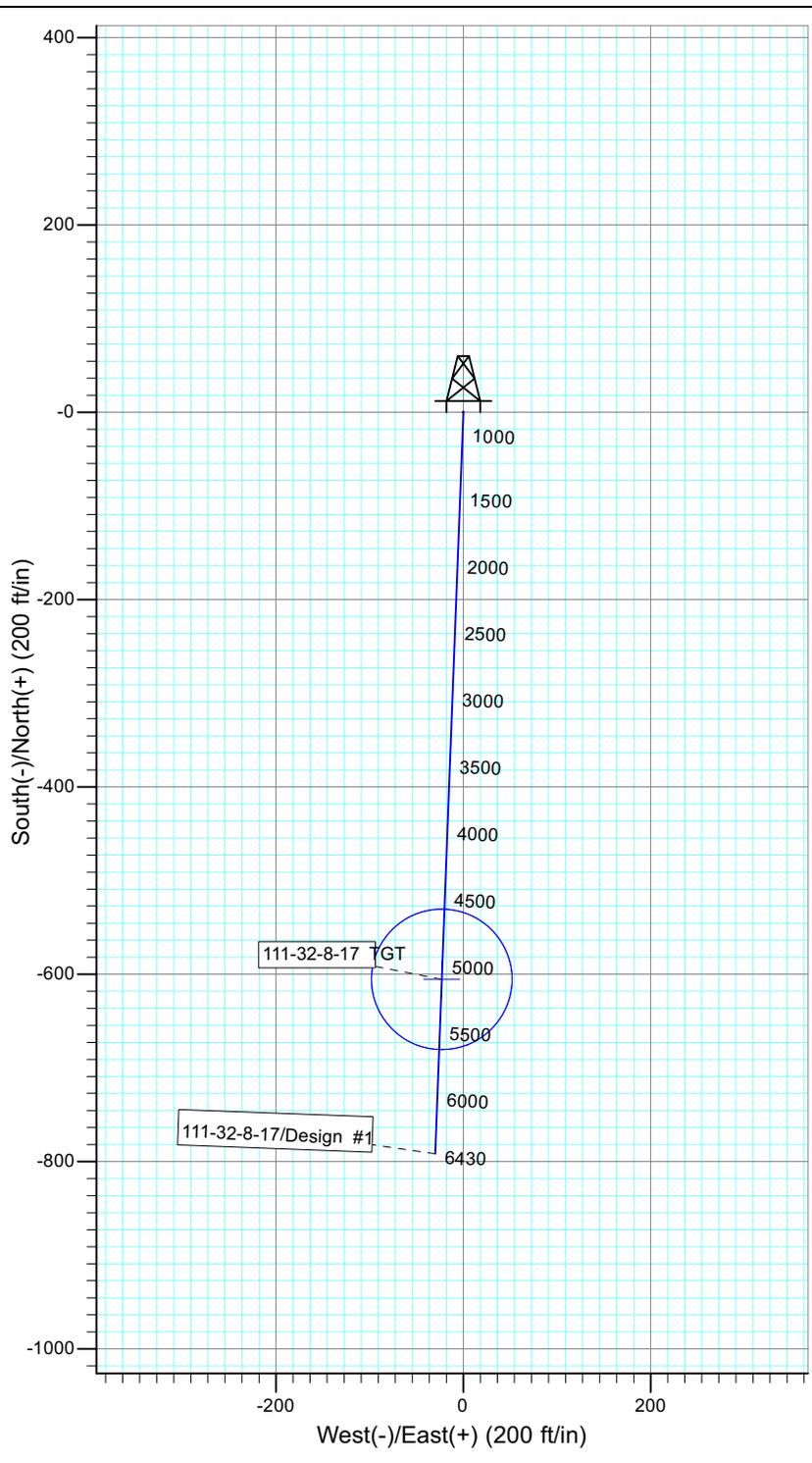
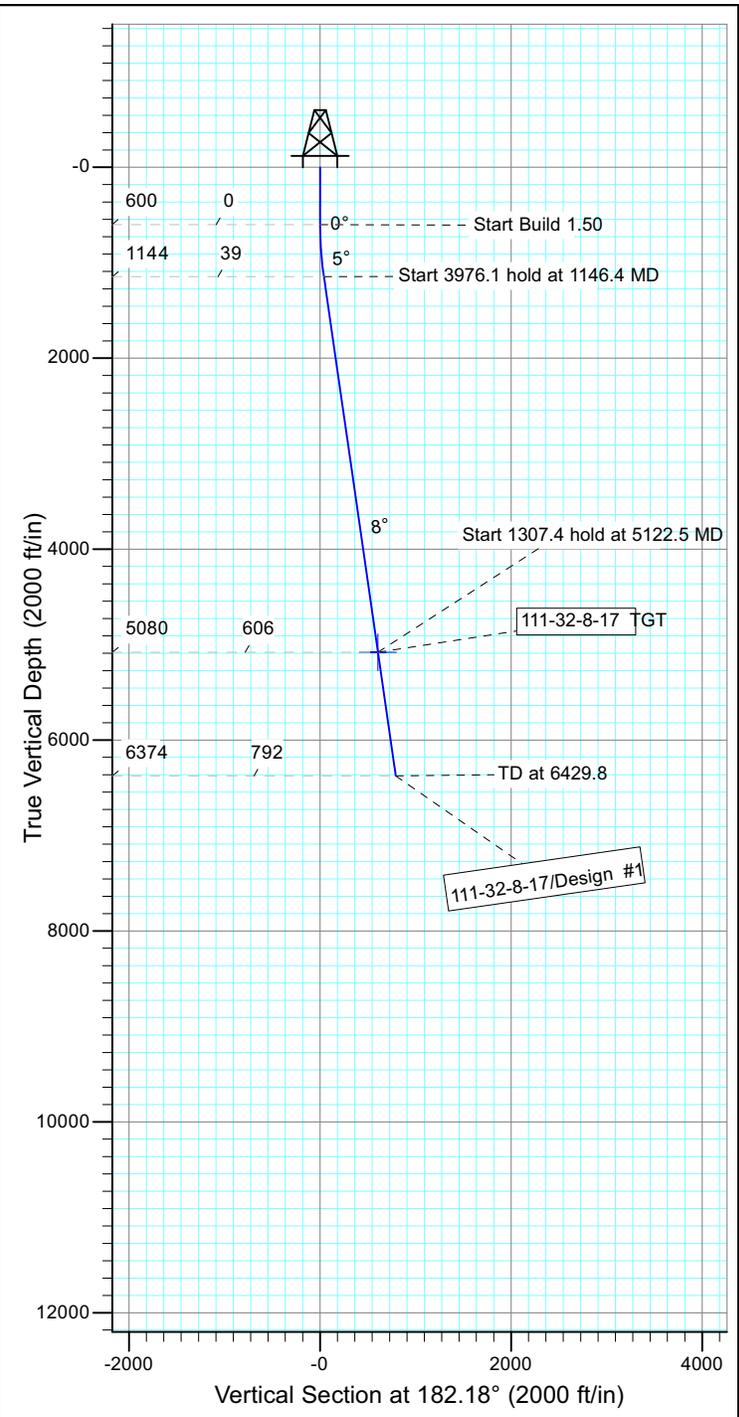


Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R17E
 Well: 111-32-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52157.5snT
 Dip Angle: 65.79°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
111-32-8-17 TGT	5080.0	-605.4	-23.0	Circle (Radius: 75.0)

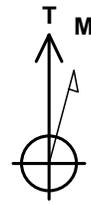
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1146.4	8.20	182.18	1144.5	-39.0	-1.5	1.50	182.18	39.0	
4	5122.5	8.20	182.18	5080.0	-605.4	-23.0	0.00	0.00	605.8	111-32-8-17 TGT
5	6429.8	8.20	182.18	6374.0	-791.6	-30.1	0.00	0.00	792.2	



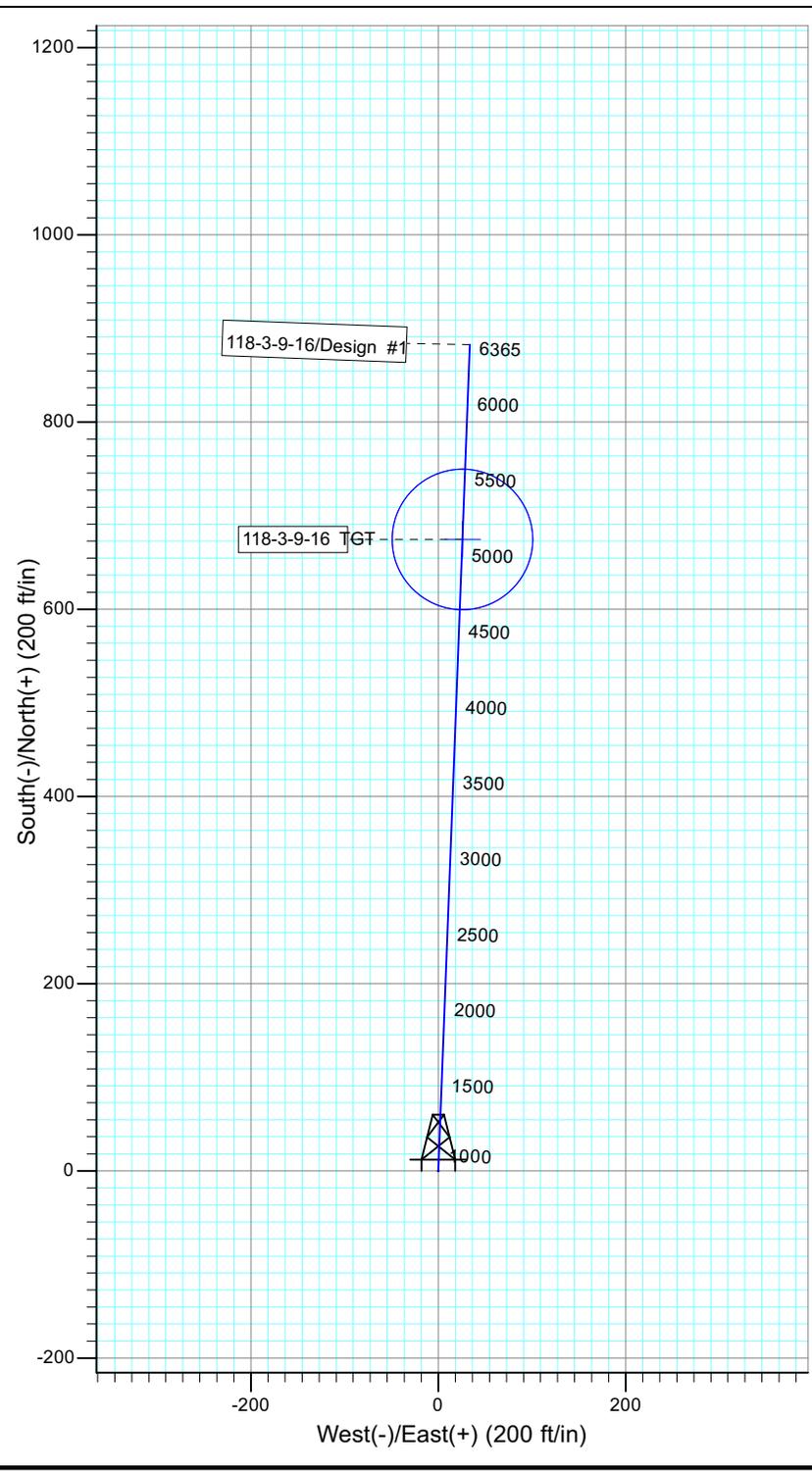
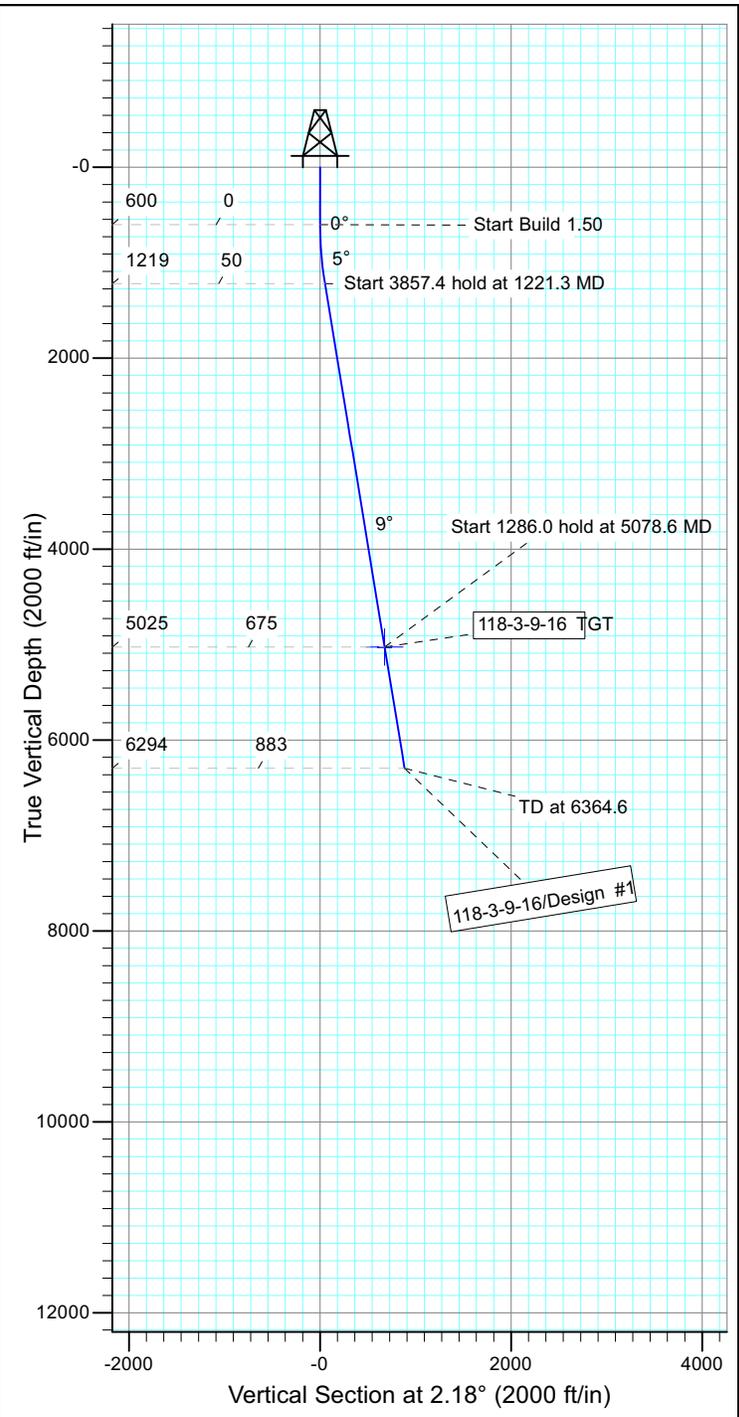


Project: USGS Myton SW (UT)
 Site: SECTION 3 T9S, R16E
 Well: 118-3-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.15°

Magnetic Field
 Strength: 52132.7snT
 Dip Angle: 65.76°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
118-3-9-16 TGT	5025.0	674.6	25.7	Circle (Radius: 75.0)

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1221.3	9.32	2.18	1218.5	50.4	1.9	1.50	2.18	50.4	
4	5078.6	9.32	2.18	5025.0	674.6	25.7	0.00	0.00	675.0	118-3-9-16 TGT
5	6364.6	9.32	2.18	6294.0	882.7	33.6	0.00	0.00	883.3	



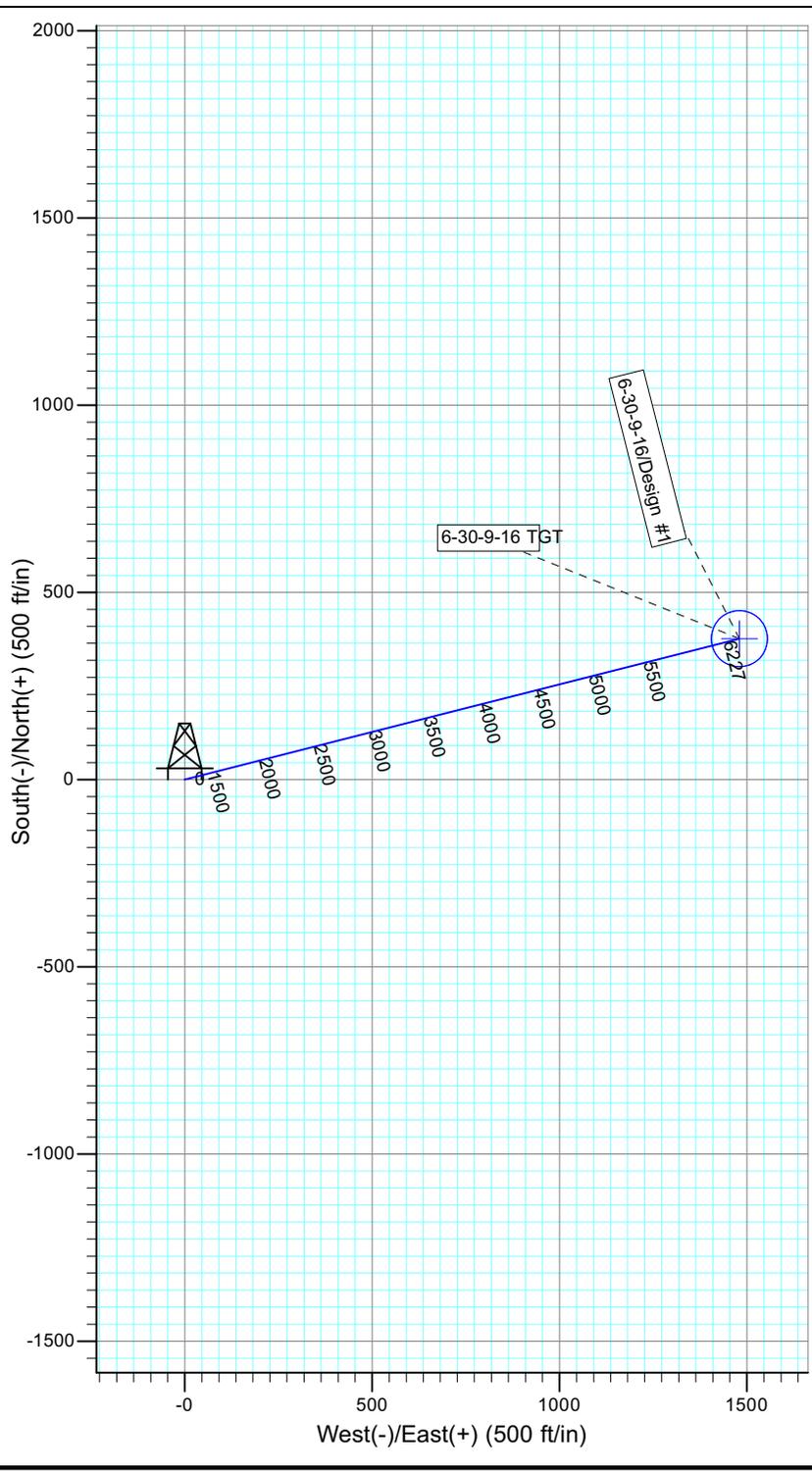
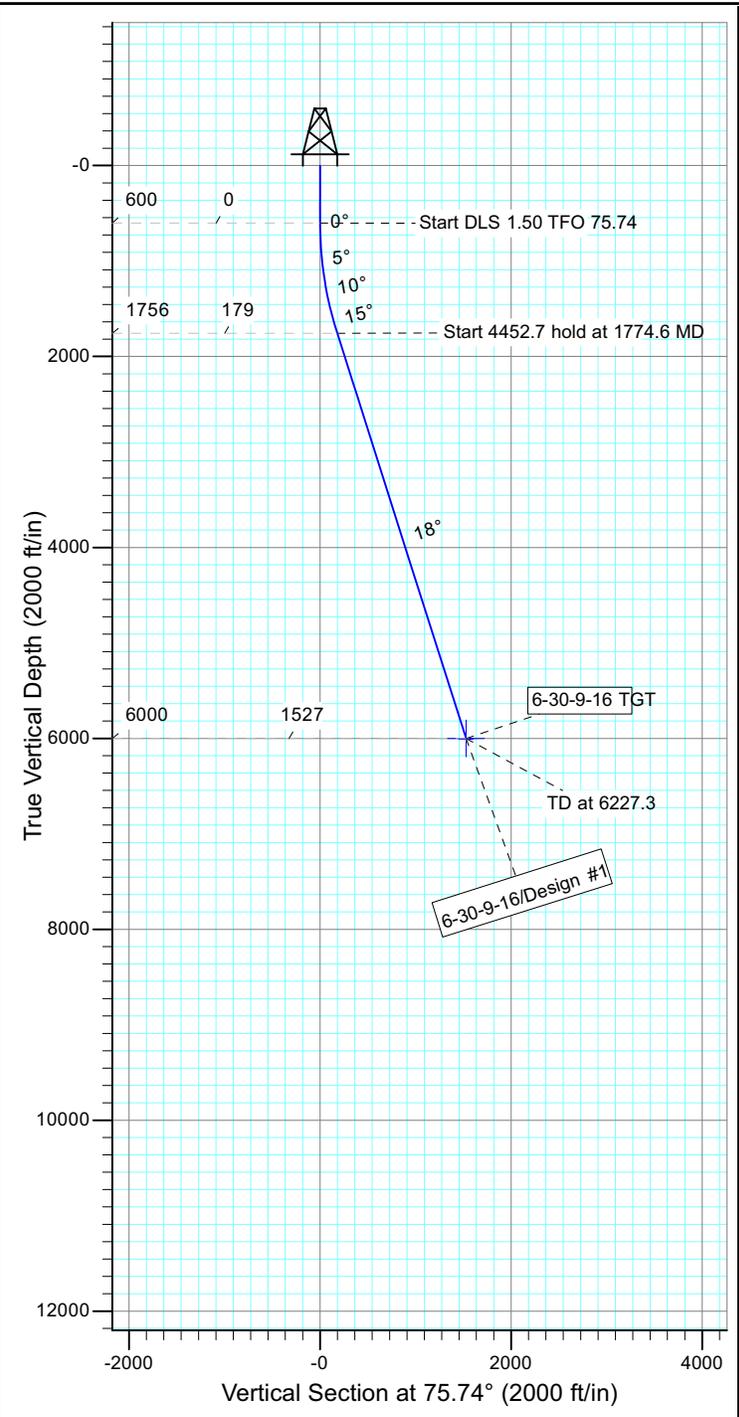


Project: USGS Myton SW (UT)
 Site: SECTION 30 T9S, R16E
 Well: 6-30-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52067.1snT
 Dip Angle: 65.70°
 Date: 1/23/2013
 Model: IGRF2010



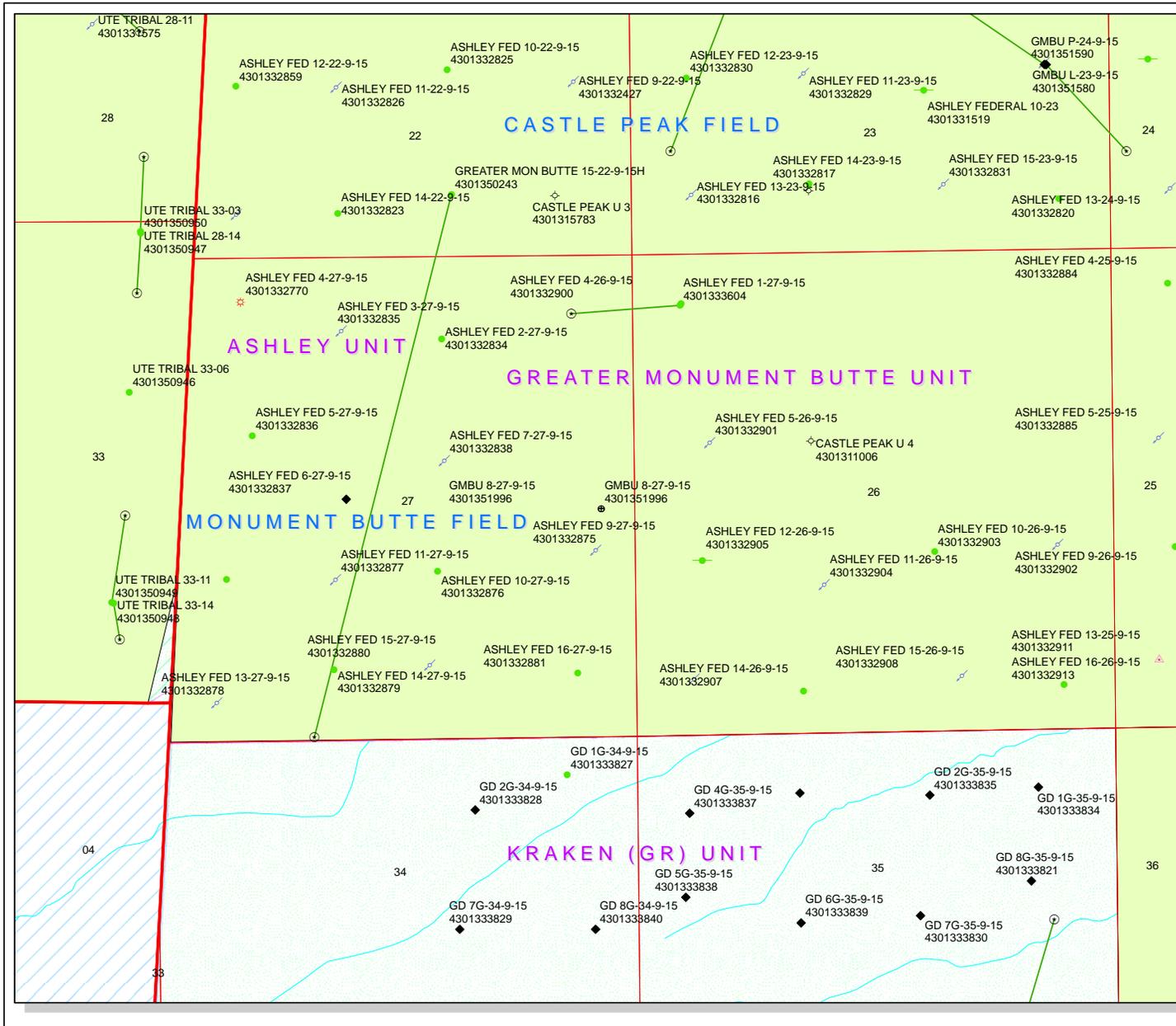
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
6-30-9-16 TGT	6000.0	376.1	1479.9	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1774.6	17.62	75.74	1756.2	44.1	173.7	1.50	75.74	179.2	
4	6227.3	17.62	75.74	6000.0	376.1	1479.9	0.00	0.00	1527.0	6-30-9-16 TGT

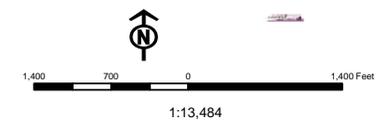




API Number: 4301351996
Well Name: GMBU 8-27-9-15
Township T09.0S Range R15.0E Section 27
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|------------------------------------|
| Units | Wells Query |
| STATUS | Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LOC - New Location |
| P1 OIL | OPS - Operation Suspended |
| PP GAS | PA - Plugged Abandoned |
| PP GEOTHERMAL | PGW - Producing Gas Well |
| PP OIL | POW - Producing Oil Well |
| SECONDARY | SGW - Shut-in Gas Well |
| TERMINATED | SOW - Shut-in Oil Well |
| Fields | TA - Temp. Abandoned |
| Unknown | TW - Test Well |
| ABANDONED | WDW - Water Disposal |
| ACTIVE | WW - Water Injection Well |
| COMBINED | WSW - Water Supply Well |
| INACTIVE | Bottom Hole Location - Oil/Gas/Oil |
| STORAGE | |
| TERMINATED | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/29/2013

API NO. ASSIGNED: 43013519960000

WELL NAME: GMBU 8-27-9-15

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SENE 27 090S 150E

Permit Tech Review:

SURFACE: 2132 FNL 0532 FEL

Engineering Review:

BOTTOM: 2132 FNL 0532 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.00333

LONGITUDE: -110.21011

UTM SURF EASTINGS: 567424.00

NORTHINGS: 4428215.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-66185

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000493
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit: GMBU (GRRV)
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 213-11
- Effective Date: 11/30/2009
- Siting: Suspends General Siting
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
27 - Other - bhill



GARY R. HERBERT
Governor

GREGORY S. BELL
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

Permit To Drill

Well Name: GMBU 8-27-9-15
API Well Number: 43013519960000
Lease Number: UTU-66185
Surface Owner: FEDERAL
Approval Date: 2/25/2013

Issued to:

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

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 30 2013

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

5. Lease Serial No. UTU66185	
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No. GREATER MONUMENT	
8. Lease Name and Well No. GMBU 8-27-9-15	
9. API Well No. 43 013 51996	
10. Field and Pool, or Exploratory MONUMENT BUTTE	
11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T9S R15E Mer SLB	
12. County or Parish DUCHESNE	13. State UT
17. Spacing Unit dedicated to this well 40.00	
20. BLM/BIA Bond No. on file WYB000493	
23. Estimated duration 7 DAYS	

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	
2. Name of Operator NEWFIELD EXPLORATION Contact: MANDIE CROZIER E-Mail: mcrozier@newfield.com	
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENE 2132FNL 532FEL At proposed prod. zone SENE 2132FNL 532FEL	
14. Distance in miles and direction from nearest town or post office* 18.3 MILES SW OF MYTON, UT	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 812'	16. No. of Acres in Lease 2286.40
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1670'	19. Proposed Depth 6015 MD 6015 TVD
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6484 GL	22. Approximate date work will start 03/31/2012

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 01/29/2013
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date SEP 12 2013
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

Electronic Submission #191959 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 02/04/2013 ()

NOTICE OF APPROVAL

UDOGM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU 8-27-9-15
API No: 43-013-51996

Location: SENE, Sec. 27, T9S, R15E
Lease No: UTU-66185
Agreement:

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).
- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants; 4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

CONDITIONS OF APPROVAL

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.
- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

COA's derived from mitigating measures in the EA:

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.
- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
 - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fish
 - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
 - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
 - Screen all pump intakes with 3/32-inch mesh material.
- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
Utah Division of Wildlife Resources
Northeastern Region
152 East 100 North
Vernal, UT 84078
(435) 781-9453

Air Quality

1. All internal combustion equipment will be kept in good working order.
2. Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
3. Open burning of garbage or refuse will not occur at well sites or other facilities.
4. Drill rigs will be equipped with Tier II or better diesel engines.
5. Low bleed pneumatics will be installed on separator dump valves and other controllers.
6. During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
7. Telemetry will be installed to remotely monitor and control production.
8. When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m)

from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.

9. Green completions will be used for all well completion activities where technically feasible.
10. Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

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

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb. 16, 2012).
- The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's and with other orders and instructions of the, authorized officer.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU 8-27-9-15
Qtr/Qtr SE/NE Section 27 Township 9S Range 15E
Lease Serial Number UTU-66185
API Number 43-013-51996

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

Date/Time 12/4/13 8:00 AM PM

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

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

Date/Time 12/4/13 3:00 AM PM

BOPE

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

RECEIVED

DEC 03 2013

DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-66185
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: GMBU 8-27-9-15
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013519960000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2132 FNL 0532 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 15.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/5/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

On 1/5/14 Drill and set 4' of 14" conductor. Drill F/4' to 331' KB of 12 1/4 hole. P/U and run 7 joints of 24 # J-55 8 5/8 casing set depth 326' KB. On 1/7/14 Cement w/200 sx of G Neat cement returned 5 bbls back to pit

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 08, 2014**

NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 1/8/2014	

NEWFIELD**Casing****Conductor**

Legal Well Name GMBU 8-27-9-15		Wellbore Name Original Hole	
API/UWI 43013519960000	Surface Legal Location SENE 2132 FNL 532 FEL Sec 27 T9S R15E Mer SLB	Field Name GMBU CTB3	Well Type Development
Well RC 500159137	County Duchesne	State/Province Utah	Spud Date 1/5/2014 09:00
		Well Configuration Type Vertical	
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole			Kick Off Depth (ftKB)		
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	14	1/5/2014	1/5/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Conductor	Set Depth (ftKB) 14	Run Date 1/5/2014	Set Tension (kips)	
Centralizers	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40		1	4.00	10.0	14.0			

Jewelry Details									
External Casing Packer									
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)		
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)		

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern		Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)	

Liner Hanger						
Retrievable?	Elastomer Type	Element Center Depth (ft)		Polish Bore Size (in)	Polish Bore Length (ft)	
Slip Description				Set Mechanics		
Setting Procedure						
Unsetting Procedure						

NEWFIELD

Casing

Surface

Legal Well Name GMBU 8-27-9-15		Wellbore Name Original Hole	
API/UWI 43013519960000	Surface Legal Location SENE 2132 FNL 532 FEL Sec 27 T9S R15E Mer SLB	Field Name GMBU CTB3	Well Type Development
Well RC 500159137	County Duchesne	State/Province Utah	Spud Date 1/5/2014 09:00
		Well Configuration Type Vertical	
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole			Kick Off Depth (ftKB)		
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	14	1/5/2014	1/5/2014
Vertical	12 1/4	14	331	1/5/2014	1/5/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Surface	Set Depth (ftKB) 326	Run Date 1/5/2014	Set Tension (kips)	
Centralizers 3	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.00	9.9	11.9			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	42.79	11.9	54.7			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	224.00	54.7	278.7			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	278.7	279.7			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	44.81	279.7	324.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	324.5	326.0			

Jewelry Details							
External Casing Packer							
Type	Setting Requirement	Release Requirements		Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)	
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger							
Retrievable?	Elastomer Type	Element Center Depth (ft)		Polish Bore Size (in)	Polish Bore Length (ft)		
Slip Description				Set Mechanics			
Setting Procedure							
Unsetting Procedure							

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU66185

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

7. Unit or CA Agreement Name and No.
UTU87538X

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.
GMBU 8-27-9-15

3. Address ROUTE #3 BOX 3630
MYTON, UT 84052

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

9. API Well No.
43-013-51996

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

At surface 2132' FNL 532' FEL (SE/NE) SEC 27 T9S R15E (UTU-66185)

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC 27 T9S R15E Mer SLB

At top prod. interval reported below

At total depth 2203' FSL 591' FWL (SE/NE) SEC 27 T9S R15E (UTU-66185)

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
01/05/2014

15. Date T.D. Reached
01/18/2014

16. Date Completed 02/11/2014
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6484' GL 6494' KB

18. Total Depth: MD 5982'
TVD 5980'

19. Plug Back T.D.: MD 5945'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, 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	0'	326'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	5970'		250 Econocem 480Expandacem		0'	

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@5427'	TA@5325'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4646'	5340'	4646' - 5340' MD	0.34	48	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4646' - 5340' MD	Frac w/ 217,060#s of 20/40 white sand in 1,997 bbls of Lightning 17 fluid, in 3 stages.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/11/14	2/21/14	24	➔	76	20	12			2.5 X 1.75 X 24' RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔					PRODUCING	

28a. Production - Interval B

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

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

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.)

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 MARK GARDEN GULCH 1	3460' 3709'
				GARDEN GULCH 2 POINT 3	3824' 4057'
				X MRKR Y MRKR	4330' 4366'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4470' 4704'
				B LIMESTONE MRK CASTLE PEAK	4798' 5367'
				BASAL CARBONATE WASATCH	5823' 5953'

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) Heather Calder Title Regulatory Technician
 Signature *Heather Calder* Date 03/10/2014

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.

NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 27

8-27-9-15

Wellbore #1

Design: Actual

End of Well Report

21 January, 2014





Payzone Directional

End of Well Report



Sundry Number: 48718 API Well Number: 43013519960000

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 27
Well: 8-27-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: WELL @ 6494.0usft (SS #1)
MD Reference: WELL @ 6494.0usft (SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 8-27-9-15
 WELL @ 6494.0usft (SS #1)
 WELL @ 6494.0usft (SS #1)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Project: USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone

Mean Sea Level

System Datum:

Site: SECTION 27

Site Position: Northing: 7,174,111.94 usft Latitude: 40° 0' 27.380 N
 From: Lat/Long Easting: 2,002,592.07 usft Longitude: 110° 12' 25.040 W
Position Uncertainty: Slot Radius: 0 " Grid Convergence: 0.83 °

Well: 8-27-9-15, SHL: 40° 00' 11.82" -110° 12' 38.61"

Well Position: +N/-S 0.0 usft Northing: 7,172,522.48 usft Latitude: 40° 0' 11.820 N
 +E/-W 0.0 usft Easting: 2,001,559.04 usft Longitude: 110° 12' 38.610 W
Position Uncertainty: Wellhead Elevation: 6,494.0 usft Ground Level: 6,484.0 usft

Wellbore: Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/21/2014	11.03	65.67	51,962

Design: Actual

Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0

Vertical Section: Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°)
 0.0 0.0 0.0 219.59

Survey Program: Date 1/21/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
403.0	5,982.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 27
Well: 8-27-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: WELL @ 6494.0usft (SS #1)
MD Reference: WELL @ 6494.0usft (SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 8-27-9-15
 WELL @ 6494.0usft (SS #1)
 WELL @ 6494.0usft (SS #1)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	403.0	0.90	40.00	403.0	-3.2	2.4	2.0	0.22	0.22	0.00
	493.0	0.80	26.60	493.0	-4.5	3.5	2.8	0.25	-0.11	-14.89
	584.0	0.80	32.90	584.0	-5.7	4.6	3.4	0.10	0.00	6.92
	674.0	0.90	23.60	674.0	-7.0	5.8	4.0	0.19	0.11	-10.33
	765.0	0.90	28.70	764.9	-8.4	7.1	4.7	0.09	0.00	5.60
	856.0	1.10	40.50	855.9	-10.0	8.4	5.6	0.31	0.22	12.97
	946.0	1.20	46.20	945.9	-11.8	9.7	6.8	0.17	0.11	6.33
	1,037.0	1.20	48.00	1,036.9	-13.7	11.0	8.2	0.04	0.00	1.98
	1,127.0	1.20	49.60	1,126.9	-15.6	12.2	9.6	0.04	0.00	1.78
	1,217.0	1.20	48.40	1,216.9	-17.4	13.5	11.0	0.03	0.00	-1.33
	1,306.0	1.00	51.50	1,305.8	-19.1	14.6	12.3	0.23	-0.22	3.48
	1,394.0	0.80	63.20	1,393.8	-20.4	15.3	13.5	0.31	-0.23	13.30
	1,484.0	0.70	63.50	1,483.8	-21.5	15.8	14.5	0.11	-0.11	0.33
	1,575.0	0.40	59.10	1,574.8	-22.3	16.3	15.3	0.33	-0.33	-4.84
	1,667.0	0.20	121.30	1,666.8	-22.6	16.3	15.7	0.38	-0.22	67.61
	1,756.0	0.40	203.10	1,755.8	-22.3	16.0	15.7	0.47	0.22	91.91
	1,846.0	0.80	203.80	1,845.8	-21.4	15.1	15.4	0.44	0.44	0.78
	1,938.0	1.10	204.70	1,937.8	-20.0	13.7	14.7	0.33	0.33	0.98
	2,027.0	1.30	199.40	2,026.8	-18.2	12.0	14.0	0.26	0.22	-5.96
	2,119.0	1.50	204.40	2,118.7	-16.0	9.9	13.2	0.25	0.22	5.43
	2,209.0	1.50	202.90	2,208.7	-13.8	7.8	12.3	0.04	0.00	-1.67
	2,298.0	1.40	200.80	2,297.7	-11.6	5.7	11.4	0.13	-0.11	-2.36
	2,388.0	1.40	206.60	2,387.7	-9.5	3.7	10.5	0.16	0.00	6.44
	2,478.0	1.30	203.00	2,477.6	-7.5	1.7	9.6	0.15	-0.11	-4.00
	2,569.0	1.30	213.80	2,568.6	-5.5	-0.1	8.7	0.27	0.00	11.87
	2,659.0	1.30	218.20	2,658.6	-3.4	-1.7	7.5	0.11	0.00	4.89

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 27
Well: 8-27-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: WELL @ 6494.0usft (SS #1)
MD Reference: WELL @ 6494.0usft (SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 8-27-9-15
 WELL @ 6494.0usft (SS #1)
 WELL @ 6494.0usft (SS #1)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,747.0	1.20	222.60	2,746.6	-1.5	-3.2	6.2	0.16	-0.11	5.00
2,834.0	1.50	225.00	2,833.5	0.5	-4.7	4.8	0.35	0.34	2.76
2,926.0	1.90	210.70	2,925.5	3.2	-6.8	3.2	0.63	0.43	-15.54
3,013.0	2.10	212.20	3,012.5	6.2	-9.4	1.6	0.24	0.23	1.72
3,103.0	1.90	211.40	3,102.4	9.4	-12.1	-0.1	0.22	-0.22	-0.89
3,190.0	1.30	212.20	3,189.4	11.8	-14.2	-1.3	0.69	-0.69	0.92
3,280.0	1.40	209.70	3,279.3	13.9	-16.0	-2.4	0.13	0.11	-2.78
3,370.0	1.50	205.50	3,369.3	16.1	-18.0	-3.5	0.16	0.11	-4.67
3,458.0	1.50	201.60	3,457.3	18.3	-20.1	-4.4	0.12	0.00	-4.43
3,547.0	1.70	203.70	3,546.2	20.7	-22.4	-5.4	0.23	0.22	2.36
3,637.0	1.80	207.50	3,636.2	23.3	-24.9	-6.6	0.17	0.11	4.22
3,724.0	1.80	214.90	3,723.2	26.0	-27.2	-8.0	0.27	0.00	8.51
3,814.0	1.20	232.40	3,813.1	28.4	-28.9	-9.5	0.83	-0.67	19.44
3,904.0	1.40	231.20	3,903.1	30.4	-30.2	-11.1	0.22	0.22	-1.33
3,996.0	1.50	219.70	3,995.1	32.7	-31.8	-12.8	0.33	0.11	-12.50
4,084.0	1.50	225.20	4,083.0	35.0	-33.5	-14.3	0.16	0.00	6.25
4,173.0	1.50	222.20	4,172.0	37.3	-35.2	-15.9	0.09	0.00	-3.37
4,261.0	1.70	220.40	4,260.0	39.7	-37.1	-17.6	0.23	0.23	-2.05
4,352.0	1.90	213.30	4,350.9	42.6	-39.3	-19.3	0.33	0.22	-7.80
4,442.0	2.10	211.20	4,440.9	45.7	-42.0	-20.9	0.24	0.22	-2.33
4,533.0	1.50	223.50	4,531.8	48.5	-44.3	-22.6	0.78	-0.66	13.52
4,625.0	1.80	217.00	4,623.8	51.2	-46.3	-24.3	0.38	0.33	-7.07
4,716.0	1.80	213.60	4,714.8	54.0	-48.7	-26.0	0.12	0.00	-3.74
4,804.0	2.30	226.90	4,802.7	57.2	-51.0	-28.0	0.78	0.57	15.11
4,894.0	2.30	240.30	4,892.6	60.6	-53.1	-30.9	0.60	0.00	14.89
4,985.0	2.30	235.10	4,983.6	64.1	-55.1	-34.0	0.23	0.00	-5.71
5,073.0	1.00	248.80	5,071.5	66.5	-56.4	-36.2	1.53	-1.48	15.57



Payzone Directional

End of Well Report



Sundry Number: 48718 API Well Number: 43013519960000

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 27
Well: 8-27-9-15
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: WELL @ 6494.0usft (SS #1)
MD Reference: WELL @ 6494.0usft (SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 8-27-9-15

WELL @ 6494.0usft (SS #1)
 WELL @ 6494.0usft (SS #1)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	5,163.0	1.80	237.40	5,161.5	68.5	-57.4	-38.1	0.94	0.89	-12.67
	5,251.0	2.00	216.80	5,249.4	71.4	-59.4	-40.2	0.80	0.23	-23.41
	5,341.0	1.40	252.30	5,339.4	73.9	-61.0	-42.1	1.32	-0.67	39.44
	5,432.0	1.50	244.80	5,430.4	75.9	-61.8	-44.3	0.24	0.11	-8.24
	5,520.0	1.70	241.20	5,518.3	78.1	-63.0	-46.5	0.25	0.23	-4.09
	5,609.0	2.00	233.70	5,607.3	80.9	-64.5	-48.9	0.43	0.34	-8.43
	5,697.0	2.20	229.50	5,695.2	84.0	-66.5	-51.4	0.29	0.23	-4.77
	5,785.0	1.50	248.10	5,783.2	86.7	-68.0	-53.8	1.04	-0.80	21.14
	5,874.0	1.70	241.60	5,872.2	88.9	-69.1	-56.0	0.30	0.22	-7.30
	5,930.0	1.80	233.00	5,928.1	90.6	-70.0	-57.4	0.50	0.18	-15.36
	5,982.0	1.80	233.00	5,980.1	92.2	-71.0	-58.7	0.00	0.00	0.00

Checked By: _____

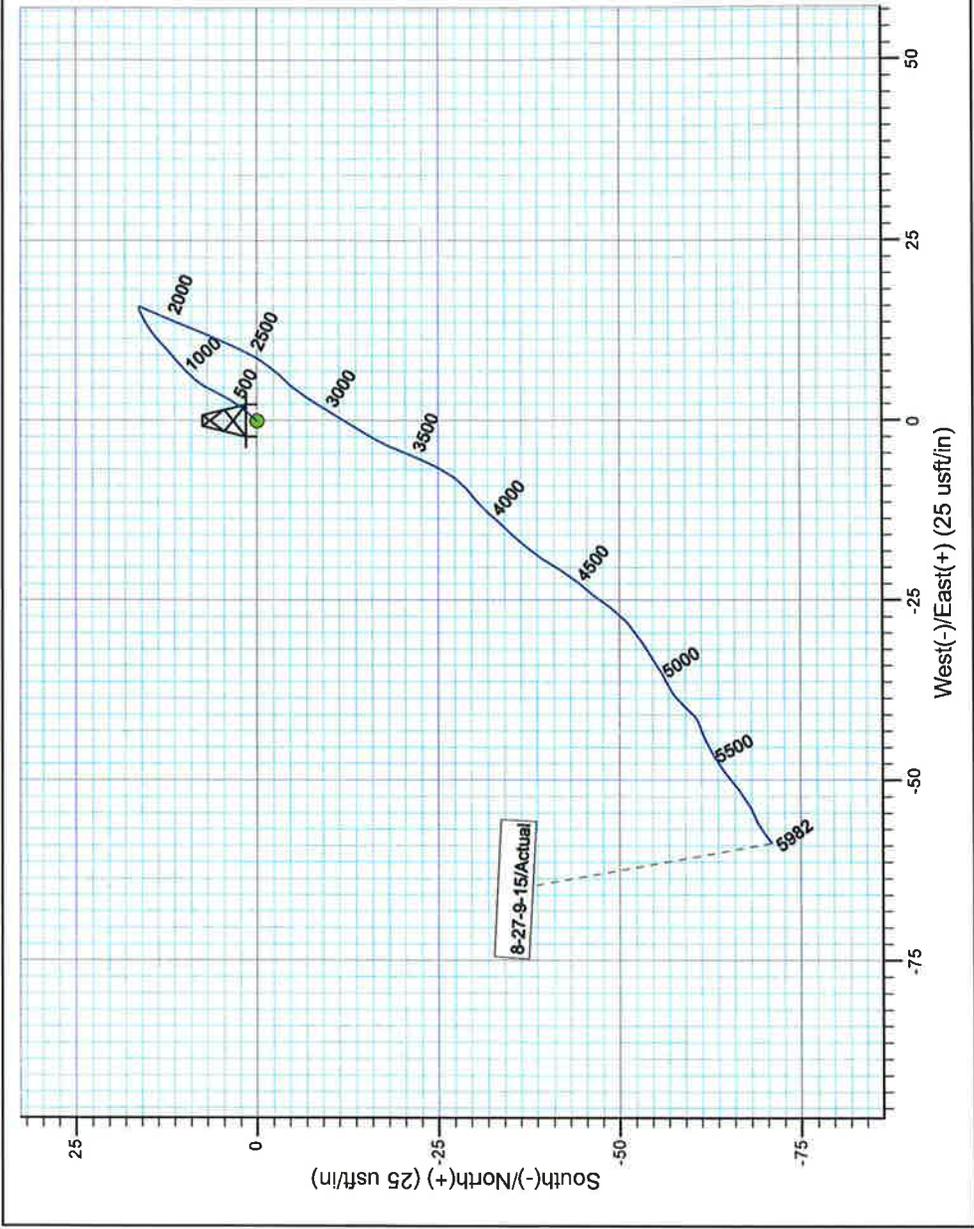
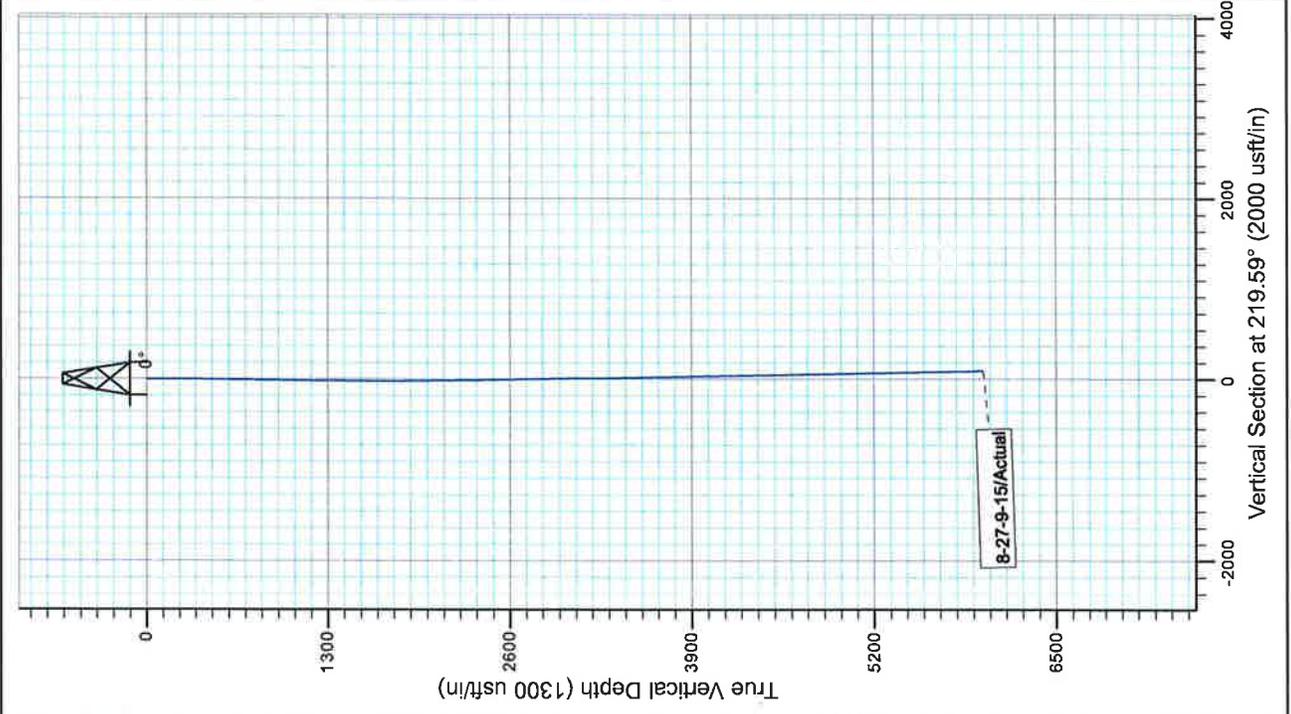
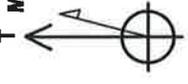
Approved By: _____

Date: _____

Project: USGS Myton SW (UT)
 Site: SECTION 27
 Well: 8-27-9-15
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 11.03°
 Magnetic Field
 Strength: 51962.4snT
 Dip Angle: 65.67°
 Date: 1/21/2014
 Model: IGRF2010



Design: Actual (8-27-9-15/Wellbore #1)

Created By: Matthew Linton Date: 8:09, January 21 2014

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA



Summary Rig Activity

Well Name: GMBU 8-27-9-15

Job Category	Job End Date

Report Start Date	Report End Date	24hr Activity Summary	Start Time	End Time	Comment
2/5/2014	2/6/2014	R/U Extreme W/L RIH w/ CBL tools tag PBTD 5912' POOH under 0# Est. cmt top @ Sur, Pres. test csg to 4300# for min. (good) & Frac stack as per Newfield reg. RIH perf sig. 1 LODC snds f/ 5318-40' all 2 spf @ 180 deg.	06:30	09:00	R/U Extreme W/L RIH w/ CBL tools tag PBTD @ 5912' log OOH w/ 0# @ 75' pm, est. cmt top @ Sur, L/D Logging tools and wait on BOP testing
Start Time	End Time		09:00		
Start Time	End Time		09:00	12:30	R/U S&S testers, P/T csg, to 4300# hold for 30-min. (good) P/T all components of Frac stack @ flowback lines 250# low for 5- min. and 4300# high for 10-min. (all tests good)
Start Time	End Time		12:30	14:30	R/U w/ Extreme again P/U RIH w/ 3-1/8 perf gun perf stg. 1 LODC snds f/ (5338-40')(5334-35)(5330-31')(5318-20') 2 spf @ 180 deg. POOH L/D guns & R/D W/L Tarp well R/U htr & SWI
Start Time	End Time		14:30	00:00	SDFN
Report Start Date	Report End Date	24hr Activity Summary	Start Time	End Time	Comment
2/6/2014	2/7/2014	Frac stgs. 1-3 open well to flowback @ 1 bpm recovered ~400 bbls turned to oil trace of sand to to sur.	00:00	04:30	SDFN
Start Time	End Time		04:30		
Start Time	End Time		04:30	06:45	Cont. HES R/U hold PJSM and PT lines
Start Time	End Time		06:45	07:15	STG. 1 Open well w/ 0# break perms @ 3717, w/ 2.8 bbls @ 4.9 bpm, F/ inj rate 18.6 bpm @ 1777, ISIP @ 1657 for FG of .76, Frac stg. 1 w/ 49k 20/40, 17# delta fluid, Max pres. 3063, Avg. pres. 2493, Max Rt. 26.9, Avg. Rt. 26.1, ISDP @ 2333, and FG. of .89, 5-min. 1906, 10-min. 1606, 15-min. 1515, Shut well in and turn over to Extreme W/L 515 bwr
Start Time	End Time		07:15	08:00	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 5000' and perf stg. # 2, A3, B2 & B-half sands f/ (4924-28')(4914-16')(4777-79')(4742-43')(4736-37') 2 spf @ 180 deg. Phasing POOH L/D setting tool and guns Turn over to HES
Start Time	End Time		08:00	09:00	STG. 2 Open well w/ 1328# break perms @ 4220, w/ 1.5 bbls @ 2.5 bpm, F/ inj. pres. of 3730 @ 24.2 bpm ISIP @ 1855 for FG of .84, Frac stg. 2 w/ 86k 20/40, 17# delta fluid, Max pres. 3821, Avg. pres. 3405, Max Rt. 34.6, Avg. Rt. 31.8, ISDP @ 1881, and FG. of .84, 5-min. 1744, 10-min. 1662, 15-min. 1614, Shut well in and turn over to Extreme W/L 735 bwr
Start Time	End Time		09:00	09:30	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 4710' and perf stg. # 3, C sands f/ (4668-72') (4654-56')(4646-48') 2 spf @ 180 deg. Phasing POOH L/D setting tool and guns Turn over to HES
Start Time	End Time		09:30	11:00	STG. 3 Open well w/ 1467# try several times to break perms along w/ surging after 30 min. break perms @ 3358, w/ 1.8 bbls @ 11 bpm, F/ inj. pres. of 2940 @ 32.2 bpm ISIP @ 1982 for FG of .88, Frac stg. 3 w/ 82,060# 20/40, 17# delta fluid, Max pres. 3036, Avg. pres. 2333, Max Rt. 36.6, Avg. Rt. 36.3, ISDP @ 2231, and FG. of .93, 5-min. 1860, 10-min. 1776, 15-min. 1739, SWI 731 bwr
Start Time	End Time		11:00	16:30	Open well to flowback @ 1 bpm recovered ~400 bbls seeing just trace of sand well turned to oil SWI
Start Time	End Time		16:30	00:00	SDFN
Report Start Date	Report End Date	24hr Activity Summary	Start Time	End Time	Comment
2/7/2014	2/8/2014	MIRUSU, N/U and PT stack start in w/ D/O BHA	00:00	06:00	SDFN
Start Time	End Time		06:00		



Well Name: GMBU 8-27-9-15

Summary Rig Activity

Start Time	End Time	Comment
06:00	07:00	Crew Travel
07:00	08:00	R/U Extreme W/L RIH set KP @ 4560' POOH L/D setting tool preform 30 min. neg. test (good)
08:00	08:30	Bring in Rustin Mair, N/D 5k FMC frac valve and N/U Knight double BOP
08:30	10:30	R/U B&C testers P/T all components of BOPE and chambers to Newfield reg. (all tests good)
10:30	11:30	MIRUSU/ DERRICK INSPECTION
11:30	13:00	RU TBG EQUIPMENT, UNLOAD PREP AND TALLEY 191 JNTS 2 7/8" J-55 TBG
13:00	16:00	PU RIH W/ 4 3/4" MILL, X-O, 142 JNTS TAGGING KILL PLUG @ 4560, STRIPPING ON WASHINGTON RUBBER
16:00	17:00	ROLL HOLE CLEAN, LD 2 JNTS, EOT @ 4500'
17:00	18:00	Crew Travel
18:00	21:00	SDFN
Report Start Date 2/10/2014	Report End Date 2/11/2014	24hr Activity Summary D/O plugs C/O to PBTD, POOH L/D D/O BHA, RIH w/ prod. tbg.
00:00	06:00	SDFN
06:00	07:00	Crew Travel
07:00	12:00	RU POWER SWIVEL, BREAK CIRC, DRILL OUT KILL PLUG (18 MIN) @ 4560, JNT 142, 700 PSI UNDER PLUG, ROLL OUT PRESSURE, SWIVEL IN 4 JNTS, TAGGING CFP @ 4700, JNT 146, DRILL OUT PLUG 15 MIN (NO PRESSURE), HANG SWIVEL BACK PU 7 JNTS, TAGGING 75' OF FILL @ 4925 ON SECOND PLUG, CLEAN OUT FILL DWN TO PLUG @ 5,000', JNT 156, DRILL OUT PLUG (17MIN), NO PRESSURE UNDER PLUG, ROLL OUT FILL BEFORE MAKING CONNECTIONS, HANG SWIVEL BACK PU 29 JNTS TAGGING 15' OF FILL ON PBTD, CLEAN OUT FILL DWN TO PBTD @ 5945
12:00	13:00	ROLL HOLE 130 BBLS UNTIL RETURNS WERE CLEAN (CSG AND TBG DEAD)
13:00	14:30	LD 23 TOTAL JNTS ON RACKS, POOH W/ 168 JNTS TO DERRICK, LD BHA
14:30	16:00	RIH W/ NC, 2 JNTS, SN, 1 JNT, TAC, 165 JNTS, ADDING 4' SUB TO WELL, SETTING TAC W/ 18K PULLED INTO IT (21" STRETCH)
16:00	17:30	RD WORKFLOOR, ND BOP, ND BLIND RAM, REMOVE 4' SUB FROM WELL, LAND WELL, NU WELLHEAD, 10' KB, 165 JNTS, TAC @ 5324.62, 1 JNT, SN @ 5359.90, 2 JNTS, NC, EOT @ 5426.13
17:30	18:00	X-O ROD EQUIPMENT, WINTERIZE EQUIPMENT, SWIFN, SDFN



Well Name: GMBU 8-27-9-15

Summary Rig Activity

Start Time	18:00	End Time	19:00	Comment	Crew Travel
Start Time	19:00	End Time	00:00	Comment	SDFN
Report Start Date	2/11/2014	Report End Date	2/11/2014	24hr Activity Summary	
Start Time	00:00	End Time	05:00	PIU RIH w/ 1-3/4 RHAC pump and rods, space out PIU horse head hang well off RDSUMOL	
Start Time	05:00	End Time	06:00	Comment	SDFN
Start Time	06:00	End Time	08:00	Comment	Crew Travel
Start Time	08:00	End Time	09:30	Comment	NCPS SAFETY MEETING
Start Time	09:30	End Time	12:30	Comment	SPOT IN ROD TRAILER, PREP RODS, TBG 200 PSI, CSG 300 PSI, ROLL HOLE DWN TBG 100 BBLs
Start Time	12:30	End Time	13:00	Comment	PU AND PRIME NEW CENTRAL HYDRAULICS PUMP, 2.5 X 1.75 X 24' RHAC, PU 30 7/8" 8PERS, PU 97 3/4' 4PERS, PU 85 7/8" 4PERS, SPACE OUT W/ 2,4,6 AND 8' 7/8" PONIES, PU 30' X 1 1/2" POLISH ROD, HOLE FULL STROKE UP TO 800 PSI (GOOD)
Start Time	13:00	End Time	14:00	Comment	HANG HORSE HEAD, NU UNIT
Start Time	13:00	End Time	14:00	Comment	RDSUMOL, PWOP