

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 Y-10-9-17				
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-70821			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 type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" 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 type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		877 FNL 770 FEL		NENE	16	9.0 S	17.0 E	S		
Top of Uppermost Producing Zone		348 FNL 359 FEL		NENE	16	9.0 S	17.0 E	S		
At Total Depth		245 FSL 131 FWL		SWSW	10	9.0 S	17.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 131			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 624			26. PROPOSED DEPTH MD: 6186 TVD: 5985				
27. ELEVATION - GROUND LEVEL 5241			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 - 6186	15.5	J-55 LT&C	8.3	Premium Lite High Strength	289	3.26	11.0
							50/50 Poz	363	1.24	14.3
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 checked="" 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 02/22/2012			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013512530000				APPROVAL  Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU Y-10-9-17
AT SURFACE: NE/NE SECTION 16, T9S R17E
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' – 1285'
Green River	1285'
Wasatch	5845'
Proposed TD	6186'

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

Green River Formation (Oil) 1285' – 5845'

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 Y-10-9-17**

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'	6,186'	15.5	J-55	LTC	4,810 2.44	4,040 2.05	217,000 2.26

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 Y-10-9-17**

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	4,186'	Prem Lite II w/ 10% gel + 3% KCl	289	30%	11.0	3.26
			943			
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:**

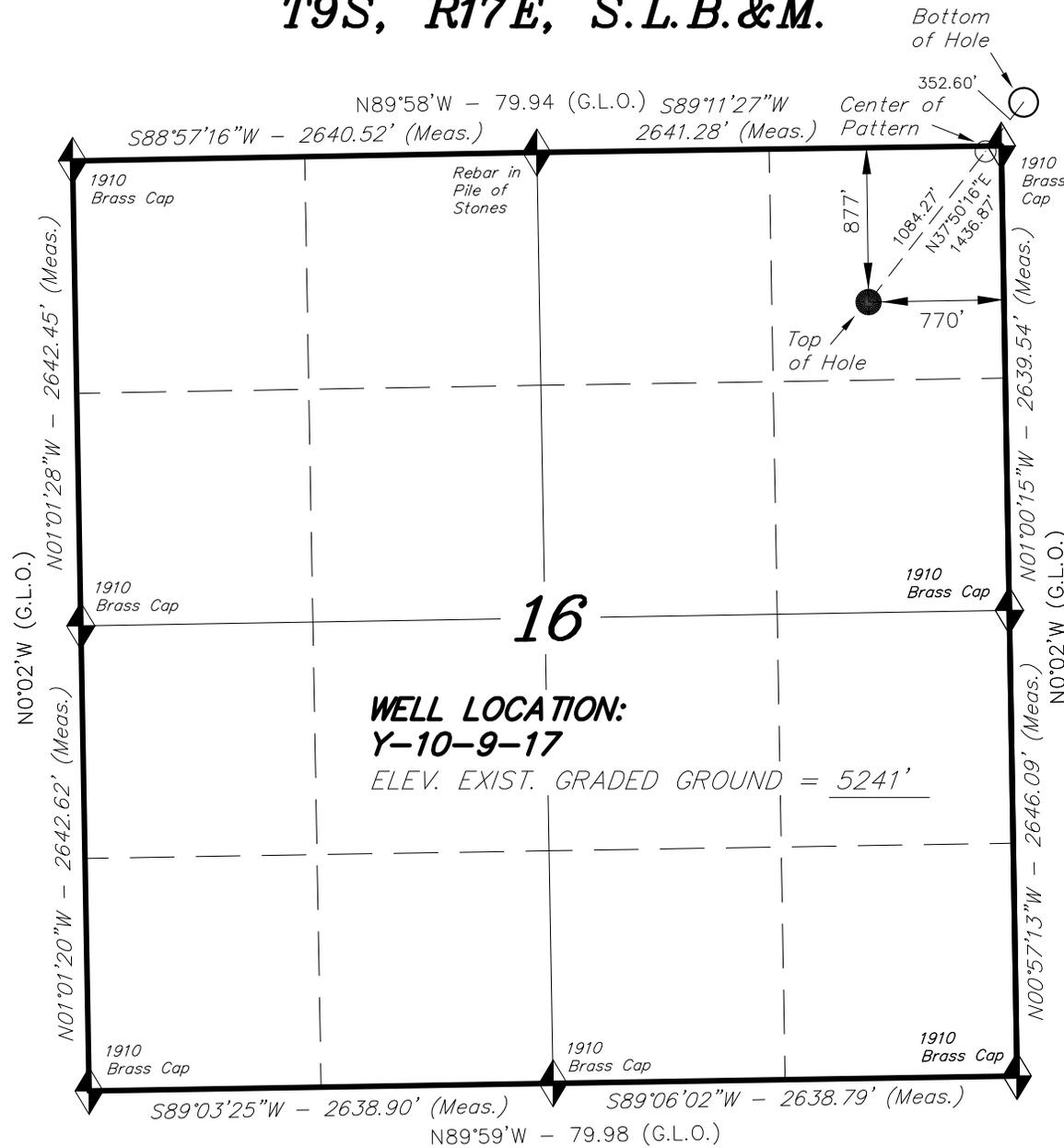
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

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:**

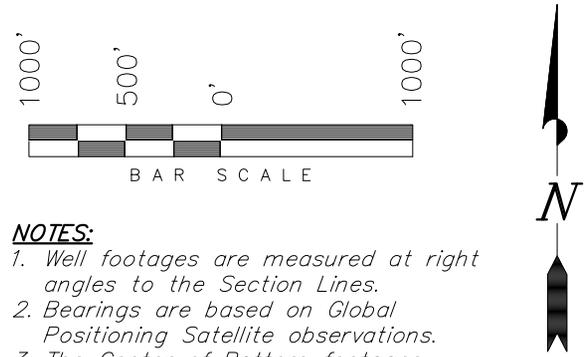
It is anticipated that the drilling operations will commence the third quarter of 2012, and take approximately seven (7) days from spud to rig release.

T9S, R17E, S.L.B.&M.



NEWFIELD EXPLORATION COMPANY

WELL LOCATION, Y-10-9-17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 16, T9S, R17E, 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.
 3. The Center of Pattern footages are 30' FNL & 90' FEL.

◆ = 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.

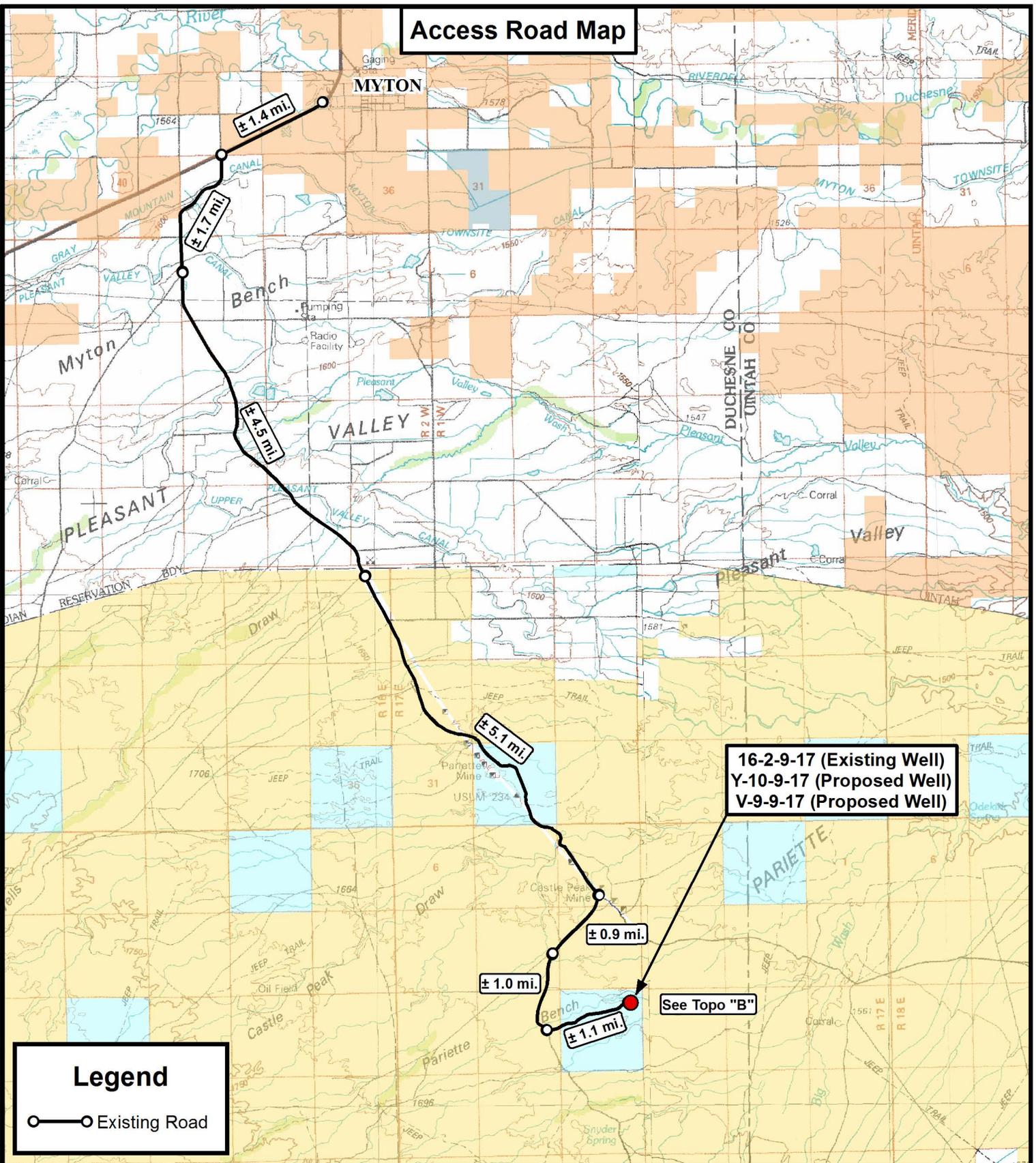
REGISTERED LAND SURVEYOR
 No. 189377
 11-30-11
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

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

Y-10-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 08.89"
 LONGITUDE = 110° 00' 17.73"

TRI STATE LAND SURVEYING & CONSULTING		
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078		
(435) 781-2501		
DATE SURVEYED: 03-06-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 09-07-11	DRAWN BY: F.T.M.	V3
REVISED: 11-30-11 F.T.M.	SCALE: 1" = 1000'	

Access Road Map



Legend

○—○ Existing Road

16-2-9-17 (Existing Well)
 Y-10-9-17 (Proposed Well)
 V-9-9-17 (Proposed Well)

See Topo "B"

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 F: (435) 781-2518



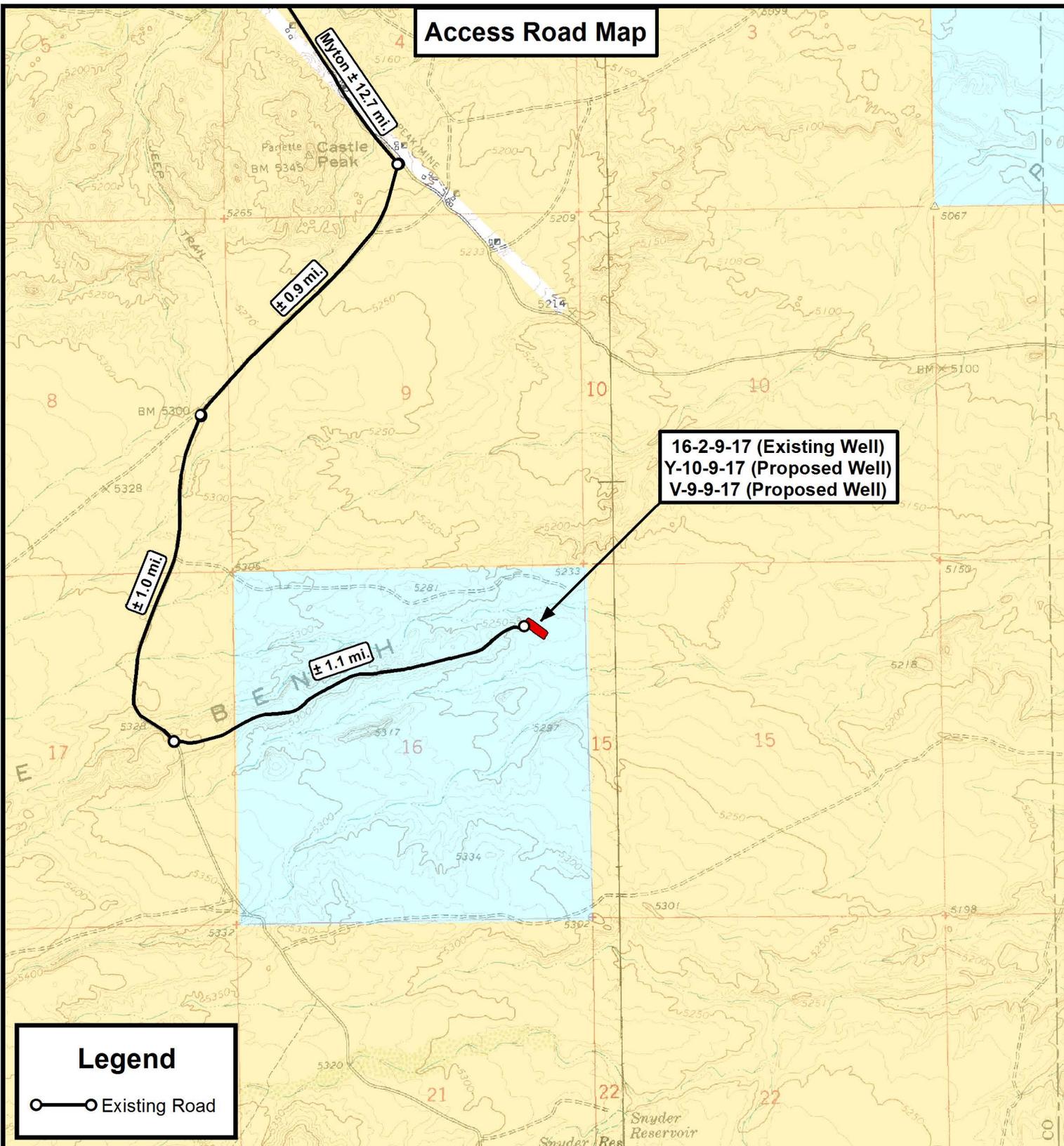
NEWFIELD EXPLORATION COMPANY
 16-2-9-17 (Existing Well)
 Y-10-9-17 (Proposed Well)
 V-9-9-17 (Proposed Well)
 SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-30-11 A.P.C.	VERSION:
DATE:	10-18-2011			V3
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



**16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)**

Legend

○—○ Existing Road

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

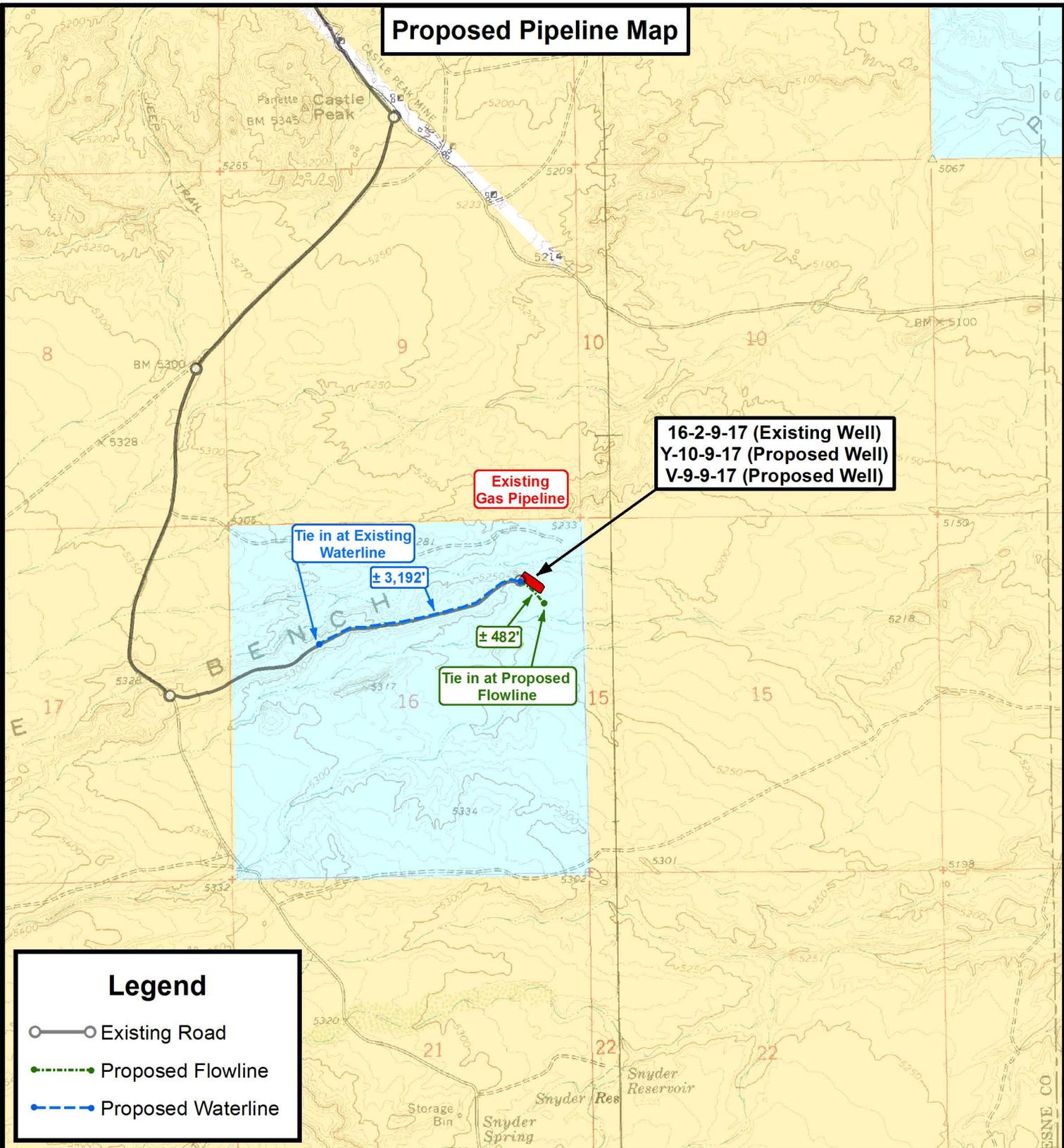
16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-30-11 A.P.C.	VERSION:
DATE:	10-18-2011			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



**16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)**

Existing Gas Pipeline

Tie in at Existing Waterline

$\pm 3,192'$

$\pm 482'$

Tie in at Proposed Flowline

Legend

- Existing Road
- Proposed Flowline
- Proposed Waterline

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NEWFIELD EXPLORATION COMPANY

16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)

SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

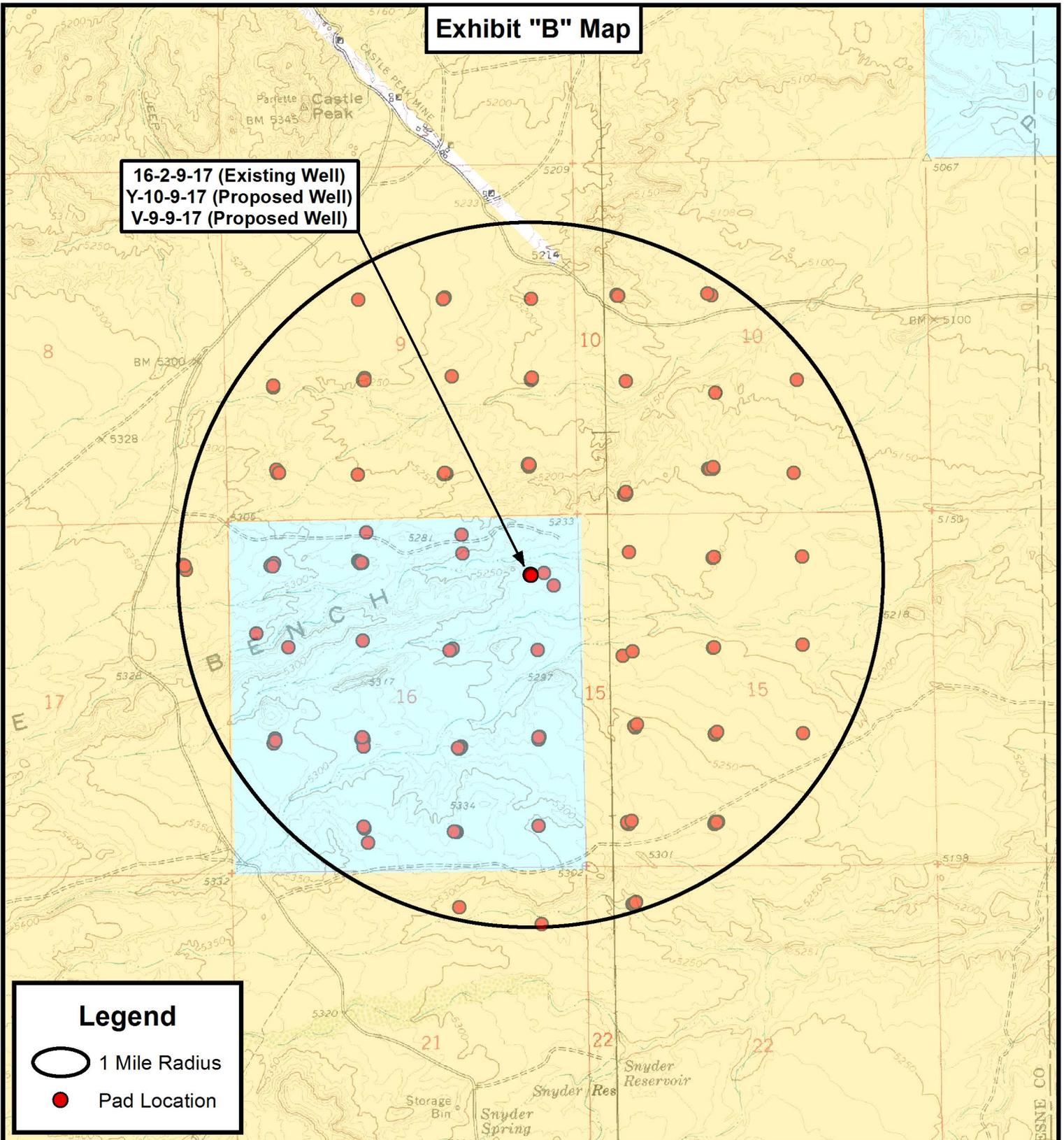
DRAWN BY:	A.P.C.	REVISED:	11-30-11 A.P.C.	VERSION:
DATE:	10-18-2011			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET **C**

Exhibit "B" Map

16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)



Legend

-  1 Mile Radius
-  Pad Location

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 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)
 SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-30-11 A.P.C.	VERSION:
DATE:	10-18-2011			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
D

**NEWFIELD PRODUCTION COMPANY
GMBU Y-10-9-17
AT SURFACE: NE/NE SECTION 16, T9S R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU Y-10-9-17 located in the NE 1/4 NE 1/4 Section 16, T9S R17E, Duchesne County, Utah:

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 southeasterly direction – 11.3 miles \pm to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 1.9 miles \pm to it's junction with an existing road to the northeast; proceed in a northeasterly direction – 1.1 miles \pm to it's junction with the beginning of the access road the existing 16-2-9-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 16-2-9-17 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

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).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

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

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

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

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit # U-08-MQ-0509s 6/18/08, prepared by

Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade Miller, 11/18/11. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 3,192' of buried water line to be granted.

It is proposed that the disturbed area will be 30' wide to allow for construction of a proposed buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. Both the proposed surface flow line and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface flow lines will be installed on the same side of the road as existing gas lines. The construction phase of the proposed water lines and proposed flow line will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

For a ROW plan of development, please refer to the Greater Monument Butte Green River Development SOP and as well as the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

Surface Flow Line

Newfield requests 482' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines 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. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, 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 (not along existing or proposed roads), 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 three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Termination and Final Reclamation: After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

Water Disposal

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.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made

with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection

The proposed GMBU Y-10-9-17 was on-sited on 12/8/11. The following were present; Tim Eaton (Newfield Production), Christine Cimiluca (Bureau of Land Management), Aaron Roe (Bureau of Land Management), Suzanne Grayson (Bureau of Land Management), Mark Jones (State of Utah DOGM), and Mark Reinbold (State of Utah DOGM).

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU Y-10-9-17, 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 GMBU Y-10-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Certification

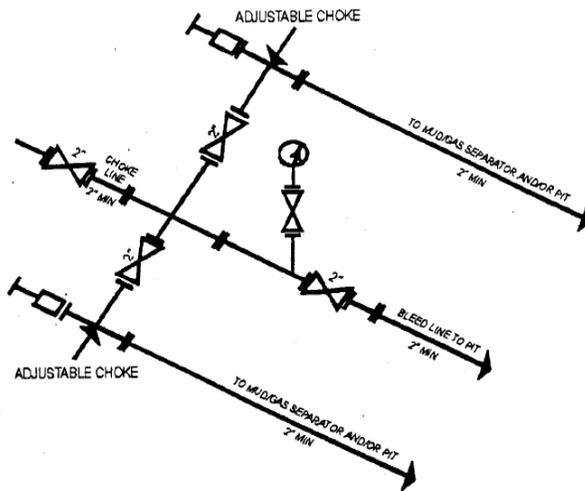
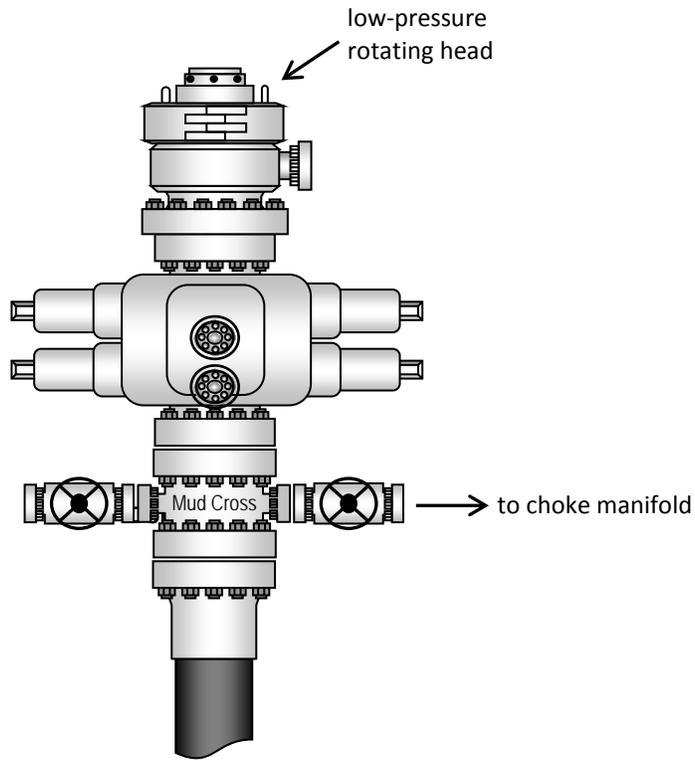
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Y-10-9-17, Section 16, Township 9S, Range 17E: Lease UTU-61052 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage 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.

2/22/12
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

WELL PAD INTERFERENCE PLAT

16-2-9-17 (Existing Well)

Y-10-9-17 (Proposed Well)

V-9-9-17 (Proposed Well)

Pad Location: NENE Section 16, T9S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

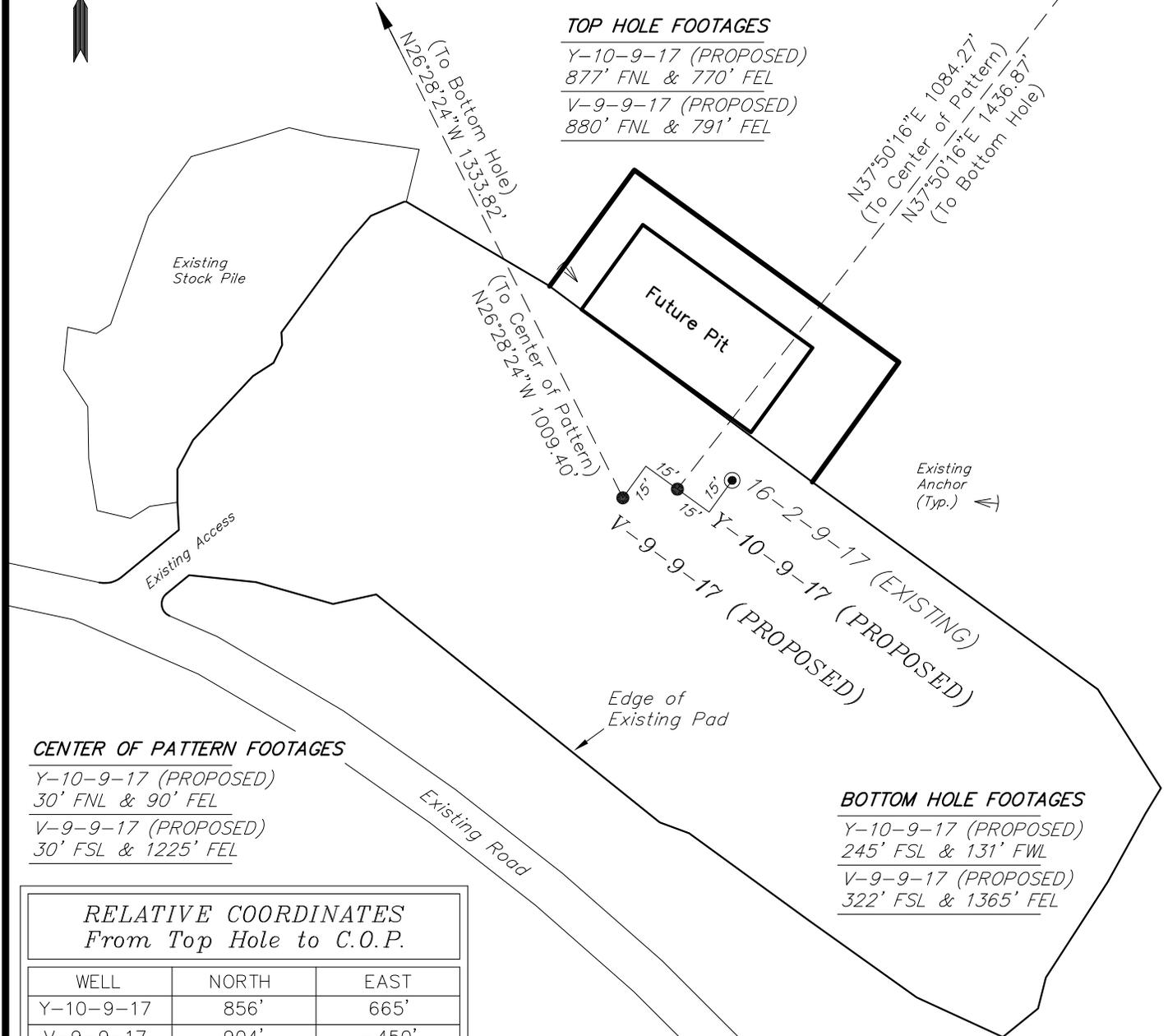
Y-10-9-17 (PROPOSED)
877' FNL & 770' FEL

V-9-9-17 (PROPOSED)
880' FNL & 791' FEL

N37°50'16"E 1084.27'
(To Center of Pattern)
N37°50'16"E 1436.87'
(To Bottom Hole)

N26°28'24"W 1333.82'
(To Bottom Hole)

N26°28'24"W 1009.40'
(To Center of Pattern)



CENTER OF PATTERN FOOTAGES

Y-10-9-17 (PROPOSED)
30' FNL & 90' FEL

V-9-9-17 (PROPOSED)
30' FSL & 1225' FEL

BOTTOM HOLE FOOTAGES

Y-10-9-17 (PROPOSED)
245' FSL & 131' FWL

V-9-9-17 (PROPOSED)
322' FSL & 1365' FEL

RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
Y-10-9-17	856'	665'
V-9-9-17	904'	-450'

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
Y-10-9-17	1,135'	881'
V-9-9-17	1,194'	-595'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
16-2-9-17	40° 02' 08.92"	110° 00' 17.46"
Y-10-9-17	40° 02' 08.89"	110° 00' 17.73"
V-9-9-17	40° 02' 08.86"	110° 00' 18.00"

Note:
Bearings are based on GPS Observations.

SURVEYED BY: K.S.	DATE SURVEYED: 03-06-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 09-07-11	V3
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11	

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

NEWFIELD EXPLORATION COMPANY

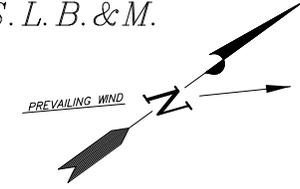
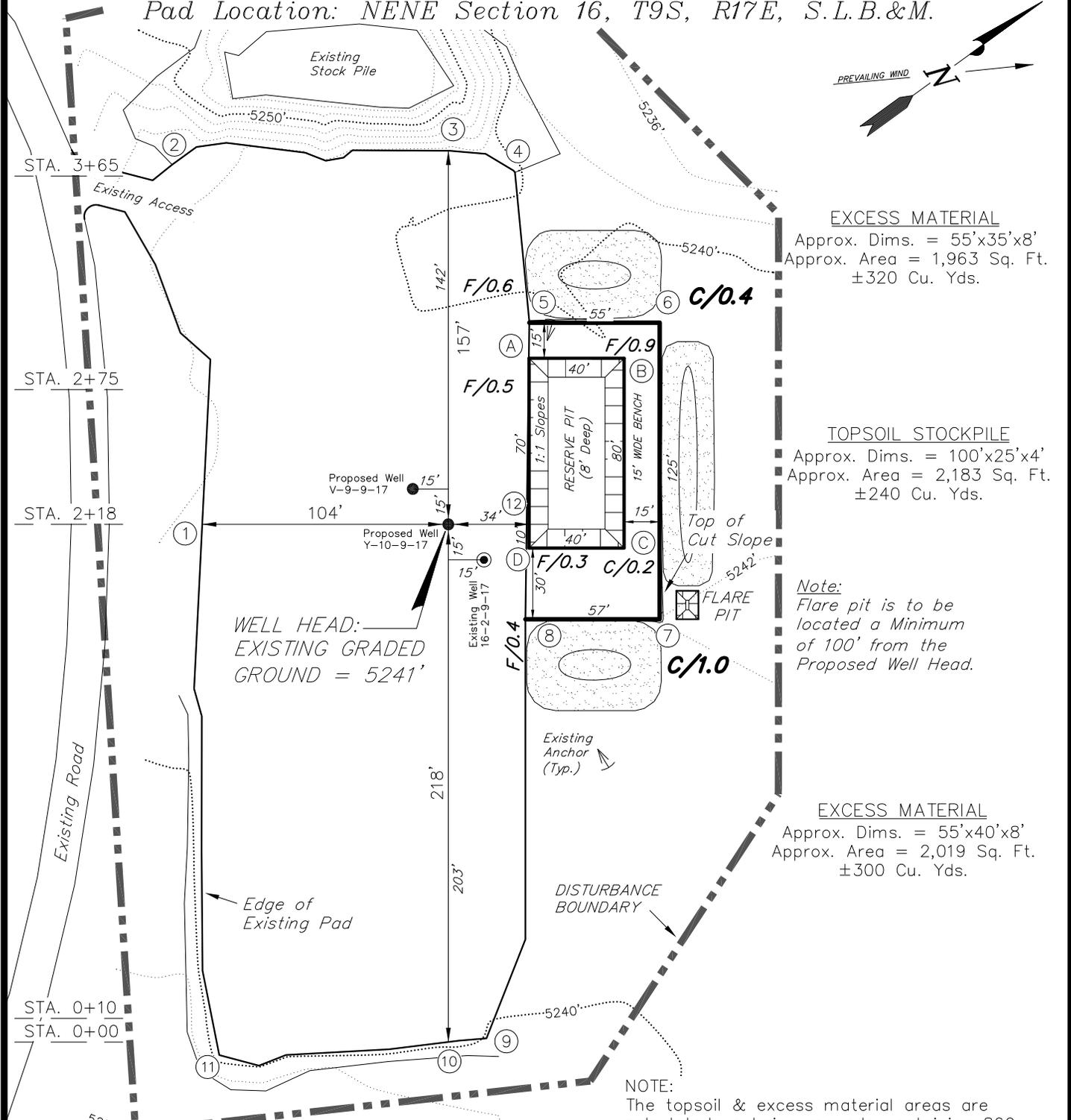
LOCATION LAYOUT

16-2-9-17 (Existing Well)

Y-10-9-17 (Proposed Well)

V-9-9-17 (Proposed Well)

Pad Location: NENE Section 16, T9S, R17E, S.L.B.&M.



EXCESS MATERIAL
 Approx. Dims. = 55'x35'x8'
 Approx. Area = 1,963 Sq. Ft.
 ±320 Cu. Yds.

TOPSOIL STOCKPILE
 Approx. Dims. = 100'x25'x4'
 Approx. Area = 2,183 Sq. Ft.
 ±240 Cu. Yds.

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

EXCESS MATERIAL
 Approx. Dims. = 55'x40'x8'
 Approx. Area = 2,019 Sq. Ft.
 ±300 Cu. Yds.

NOTE:
 The topsoil & excess material areas are calculated as being mounds containing 860 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.

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

SURVEYED BY: K.S.	DATE SURVEYED: 03-06-11	VERSION: V3
DRAWN BY: F.T.M.	DATE DRAWN: 09-07-11	
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11	

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

NEWFIELD EXPLORATION COMPANY

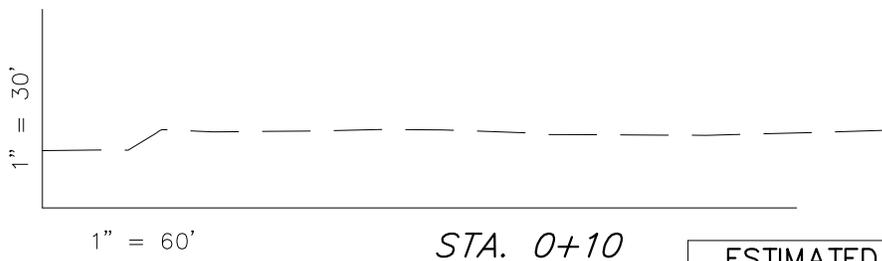
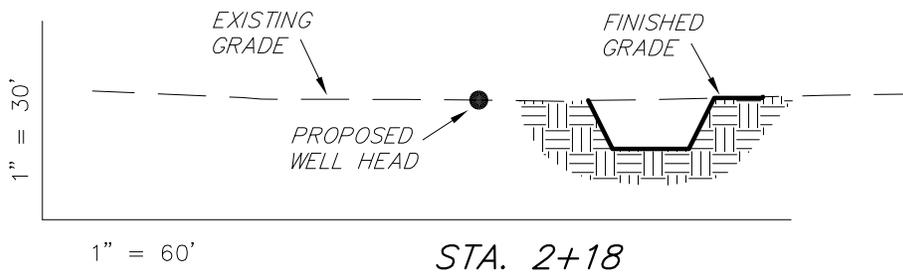
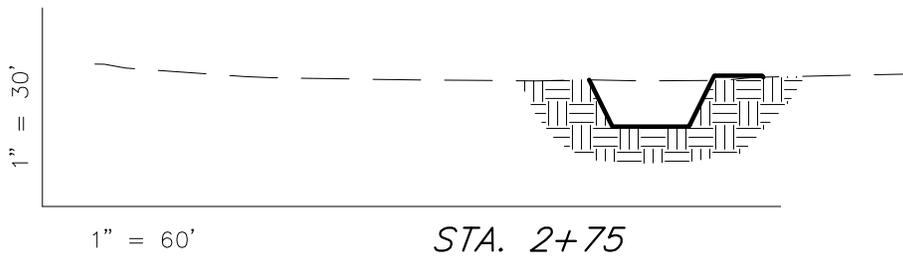
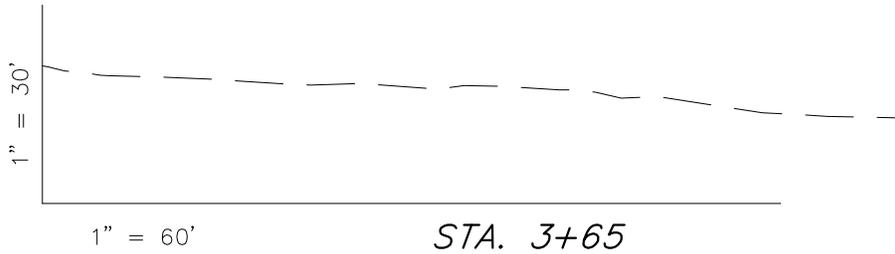
CROSS SECTIONS

16-2-9-17 (Existing Well)

Y-10-9-17 (Proposed Well)

V-9-9-17 (Proposed Well)

Pad Location: NENE Section 16, T9S, R17E, S.L.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	0	70	Topsoil is not included in Pad Cut	-70
PIT	640	0		640
TOTALS	640	70	220	570

SURVEYED BY: K.S.	DATE SURVEYED: 03-06-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 09-07-11	V3
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11	

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

(435) 781-2501

RECEIVED: February 22, 2012

NEWFIELD EXPLORATION COMPANY

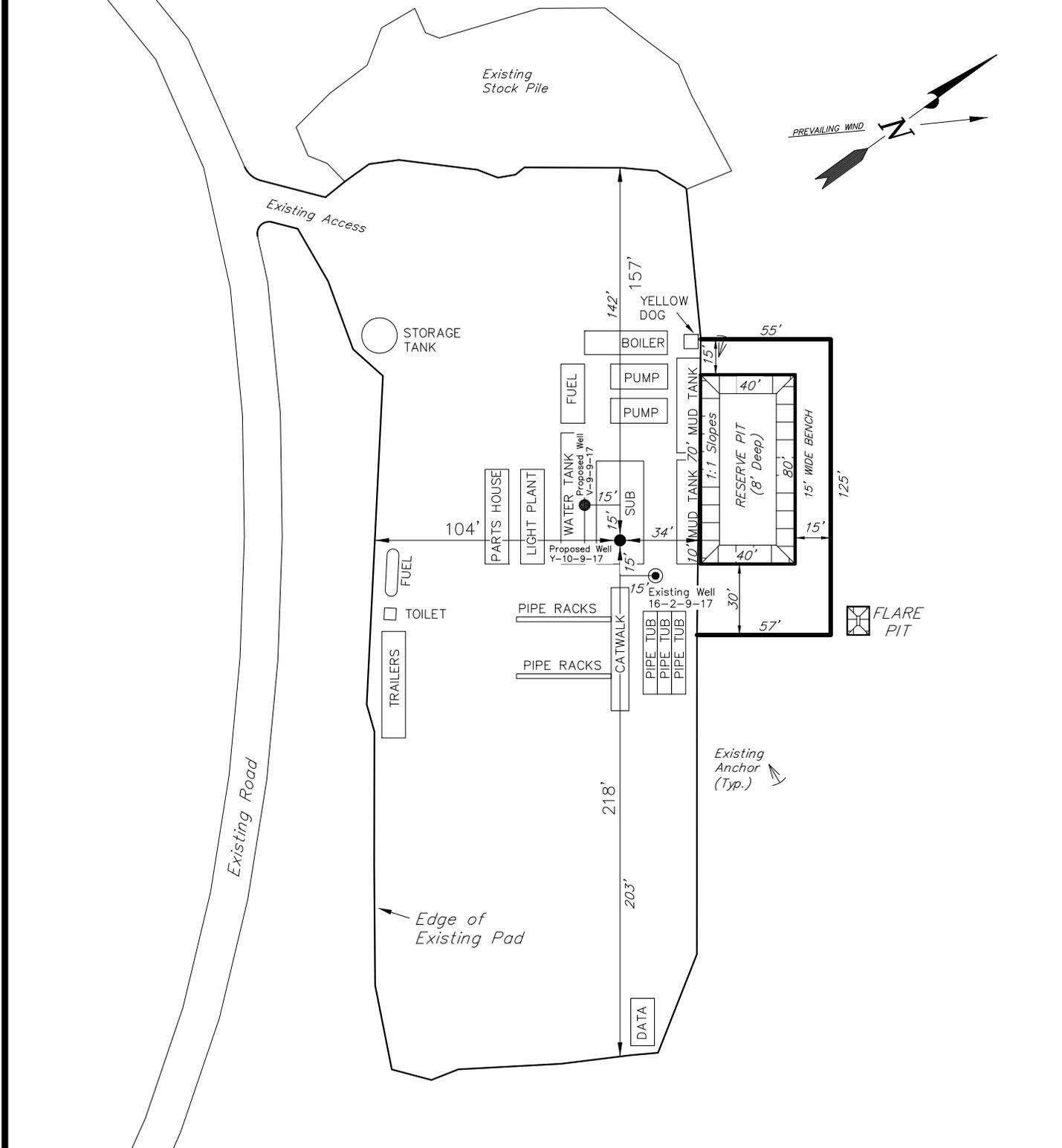
TYPICAL RIG LAYOUT

16-2-9-17 (Existing Well)

Y-10-9-17 (Proposed Well)

V-9-9-17 (Proposed Well)

Pad Location: NENE Section 16, T9S, R17E, S.L.B.&M.



SURVEYED BY: K.S.	DATE SURVEYED: 03-06-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 09-07-11	V3
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11	

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

RECEIVED: February 22, 2012



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 16 T9S, R17E
Y-10-9-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

14 September, 2011





PayZone Directional Services, LLC.

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Y-10-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	Y-10-9-17 @ 5253.0ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	MD Reference:	Y-10-9-17 @ 5253.0ft (NEWFIELD RIG)
Site:	SECTION 16 T9S, R17E	North Reference:	True
Well:	Y-10-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 16 T9S, R17E, SEC 16 T9S, R17E				
Site Position:		Northing:	7,183,439.74 ft	Latitude:	40° 1' 51.237 N
From:	Lat/Long	Easting:	2,056,769.95 ft	Longitude:	110° 0' 46.831 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.95 °

Well	Y-10-9-17, SHL LAT: 40 02 08.89 LONG: -110 00 17.73					
Well Position	+N/-S	1,786.1 ft	Northing:	7,185,263.37 ft	Latitude:	40° 2' 8.890 N
	+E/-W	2,263.5 ft	Easting:	2,059,003.25 ft	Longitude:	110° 0' 17.730 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,253.0 ft	Ground Level:	5,241.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/09/14	11.26	65.79	52,251

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,800.0	0.0	0.0	37.84

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,704.8	16.57	37.84	1,689.4	125.3	97.3	1.50	1.50	0.00	37.84	
4,950.1	16.57	37.84	4,800.0	856.3	665.2	0.00	0.00	0.00	0.00	Y-10-9-17 TGT
6,186.5	16.57	37.84	5,985.0	1,134.7	881.5	0.00	0.00	0.00	0.00	



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Y-10-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	Y-10-9-17 @ 5253.0ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	MD Reference:	Y-10-9-17 @ 5253.0ft (NEWFIELD RIG)
Site:	SECTION 16 T9S, R17E	North Reference:	True
Well:	Y-10-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	37.84	700.0	1.0	0.8	1.3	1.50	1.50	0.00
800.0	3.00	37.84	799.9	4.1	3.2	5.2	1.50	1.50	0.00
900.0	4.50	37.84	899.7	9.3	7.2	11.8	1.50	1.50	0.00
1,000.0	6.00	37.84	999.3	16.5	12.8	20.9	1.50	1.50	0.00
1,100.0	7.50	37.84	1,098.6	25.8	20.0	32.7	1.50	1.50	0.00
1,200.0	9.00	37.84	1,197.5	37.1	28.9	47.0	1.50	1.50	0.00
1,300.0	10.50	37.84	1,296.1	50.5	39.2	64.0	1.50	1.50	0.00
1,400.0	12.00	37.84	1,394.2	65.9	51.2	83.5	1.50	1.50	0.00
1,500.0	13.50	37.84	1,491.7	83.3	64.7	105.5	1.50	1.50	0.00
1,600.0	15.00	37.84	1,588.6	102.8	79.8	130.2	1.50	1.50	0.00
1,704.8	16.57	37.84	1,689.4	125.3	97.3	158.7	1.50	1.50	0.00
1,800.0	16.57	37.84	1,780.7	146.7	114.0	185.8	0.00	0.00	0.00
1,900.0	16.57	37.84	1,876.6	169.3	131.5	214.3	0.00	0.00	0.00
2,000.0	16.57	37.84	1,972.4	191.8	149.0	242.9	0.00	0.00	0.00
2,100.0	16.57	37.84	2,068.2	214.3	166.5	271.4	0.00	0.00	0.00
2,200.0	16.57	37.84	2,164.1	236.8	184.0	299.9	0.00	0.00	0.00
2,300.0	16.57	37.84	2,259.9	259.4	201.5	328.4	0.00	0.00	0.00
2,400.0	16.57	37.84	2,355.8	281.9	219.0	356.9	0.00	0.00	0.00
2,500.0	16.57	37.84	2,451.6	304.4	236.5	385.5	0.00	0.00	0.00
2,600.0	16.57	37.84	2,547.5	326.9	254.0	414.0	0.00	0.00	0.00
2,700.0	16.57	37.84	2,643.3	349.5	271.5	442.5	0.00	0.00	0.00
2,800.0	16.57	37.84	2,739.2	372.0	289.0	471.0	0.00	0.00	0.00
2,900.0	16.57	37.84	2,835.0	394.5	306.5	499.5	0.00	0.00	0.00
3,000.0	16.57	37.84	2,930.9	417.0	324.0	528.1	0.00	0.00	0.00
3,100.0	16.57	37.84	3,026.7	439.5	341.5	556.6	0.00	0.00	0.00
3,200.0	16.57	37.84	3,122.6	462.1	359.0	585.1	0.00	0.00	0.00
3,300.0	16.57	37.84	3,218.4	484.6	376.5	613.6	0.00	0.00	0.00
3,400.0	16.57	37.84	3,314.2	507.1	393.9	642.2	0.00	0.00	0.00
3,500.0	16.57	37.84	3,410.1	529.6	411.4	670.7	0.00	0.00	0.00
3,600.0	16.57	37.84	3,505.9	552.2	428.9	699.2	0.00	0.00	0.00
3,700.0	16.57	37.84	3,601.8	574.7	446.4	727.7	0.00	0.00	0.00
3,800.0	16.57	37.84	3,697.6	597.2	463.9	756.2	0.00	0.00	0.00
3,900.0	16.57	37.84	3,793.5	619.7	481.4	784.8	0.00	0.00	0.00
4,000.0	16.57	37.84	3,889.3	642.3	498.9	813.3	0.00	0.00	0.00
4,100.0	16.57	37.84	3,985.2	664.8	516.4	841.8	0.00	0.00	0.00
4,200.0	16.57	37.84	4,081.0	687.3	533.9	870.3	0.00	0.00	0.00
4,300.0	16.57	37.84	4,176.9	709.8	551.4	898.8	0.00	0.00	0.00
4,400.0	16.57	37.84	4,272.7	732.3	568.9	927.4	0.00	0.00	0.00
4,500.0	16.57	37.84	4,368.6	754.9	586.4	955.9	0.00	0.00	0.00
4,600.0	16.57	37.84	4,464.4	777.4	603.9	984.4	0.00	0.00	0.00
4,700.0	16.57	37.84	4,560.3	799.9	621.4	1,012.9	0.00	0.00	0.00
4,800.0	16.57	37.84	4,656.1	822.4	638.9	1,041.4	0.00	0.00	0.00
4,900.0	16.57	37.84	4,751.9	845.0	656.4	1,070.0	0.00	0.00	0.00
4,950.1	16.57	37.84	4,800.0	856.3	665.2	1,084.3	0.00	0.00	0.00
5,000.0	16.57	37.84	4,847.8	867.5	673.9	1,098.5	0.00	0.00	0.00
5,100.0	16.57	37.84	4,943.6	890.0	691.4	1,127.0	0.00	0.00	0.00
5,200.0	16.57	37.84	5,039.5	912.5	708.9	1,155.5	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Y-10-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	Y-10-9-17 @ 5253.0ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	MD Reference:	Y-10-9-17 @ 5253.0ft (NEWFIELD RIG)
Site:	SECTION 16 T9S, R17E	North Reference:	True
Well:	Y-10-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,300.0	16.57	37.84	5,135.3	935.1	726.4	1,184.1	0.00	0.00	0.00	
5,400.0	16.57	37.84	5,231.2	957.6	743.9	1,212.6	0.00	0.00	0.00	
5,500.0	16.57	37.84	5,327.0	980.1	761.4	1,241.1	0.00	0.00	0.00	
5,600.0	16.57	37.84	5,422.9	1,002.6	778.9	1,269.6	0.00	0.00	0.00	
5,700.0	16.57	37.84	5,518.7	1,025.2	796.4	1,298.1	0.00	0.00	0.00	
5,800.0	16.57	37.84	5,614.6	1,047.7	813.9	1,326.7	0.00	0.00	0.00	
5,900.0	16.57	37.84	5,710.4	1,070.2	831.4	1,355.2	0.00	0.00	0.00	
6,000.0	16.57	37.84	5,806.3	1,092.7	848.9	1,383.7	0.00	0.00	0.00	
6,100.0	16.57	37.84	5,902.1	1,115.2	866.4	1,412.2	0.00	0.00	0.00	
6,186.5	16.57	37.84	5,985.0	1,134.7	881.5	1,436.9	0.00	0.00	0.00	

Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
Y-10-9-17 TGT - plan hits target center - Circle (radius 75.0)	0.00	0.00	4,800.0	856.3	665.2	7,186,130.62	2,059,654.03	40° 2' 17.352 N	110° 0' 9.177 W	



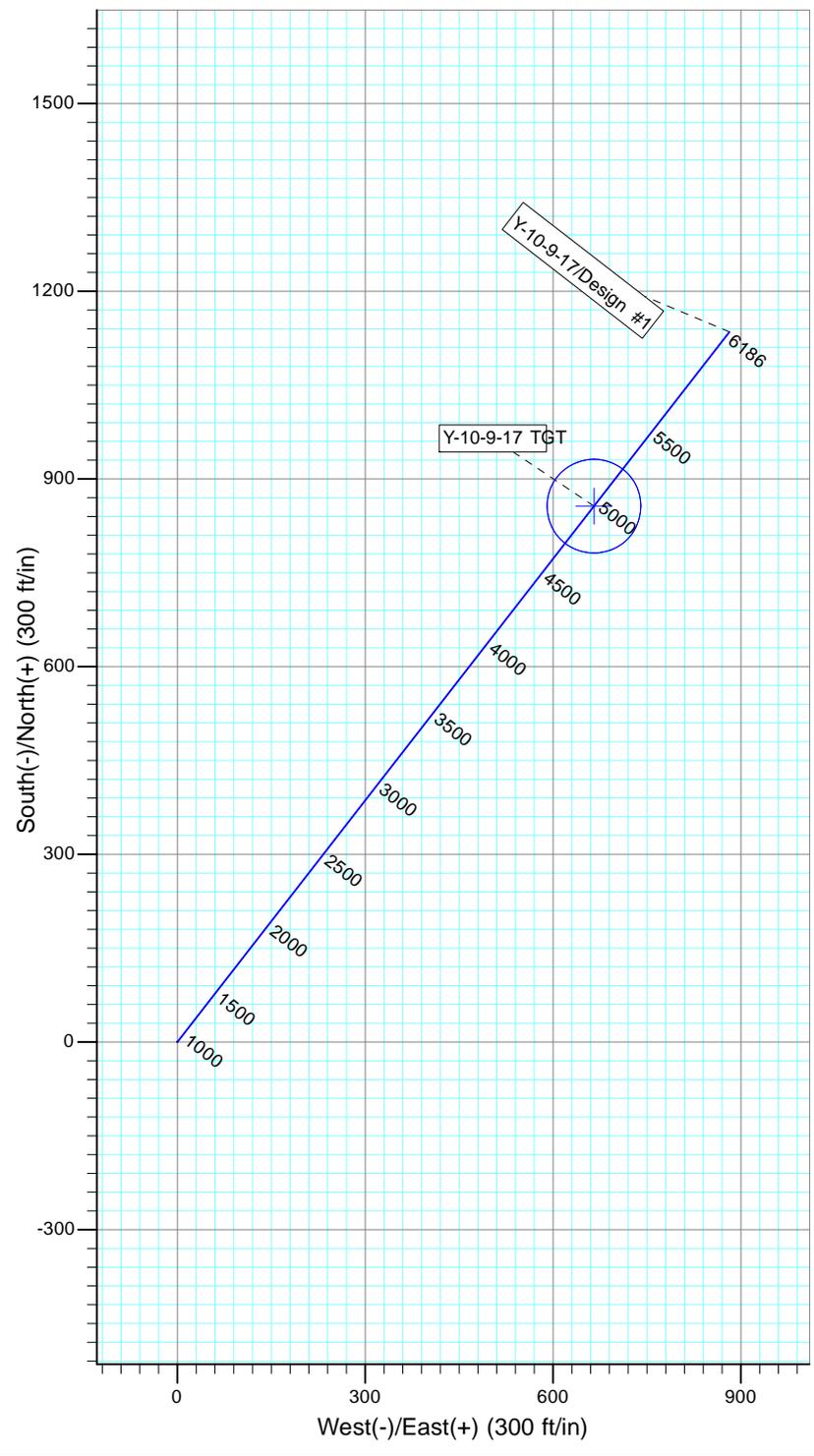
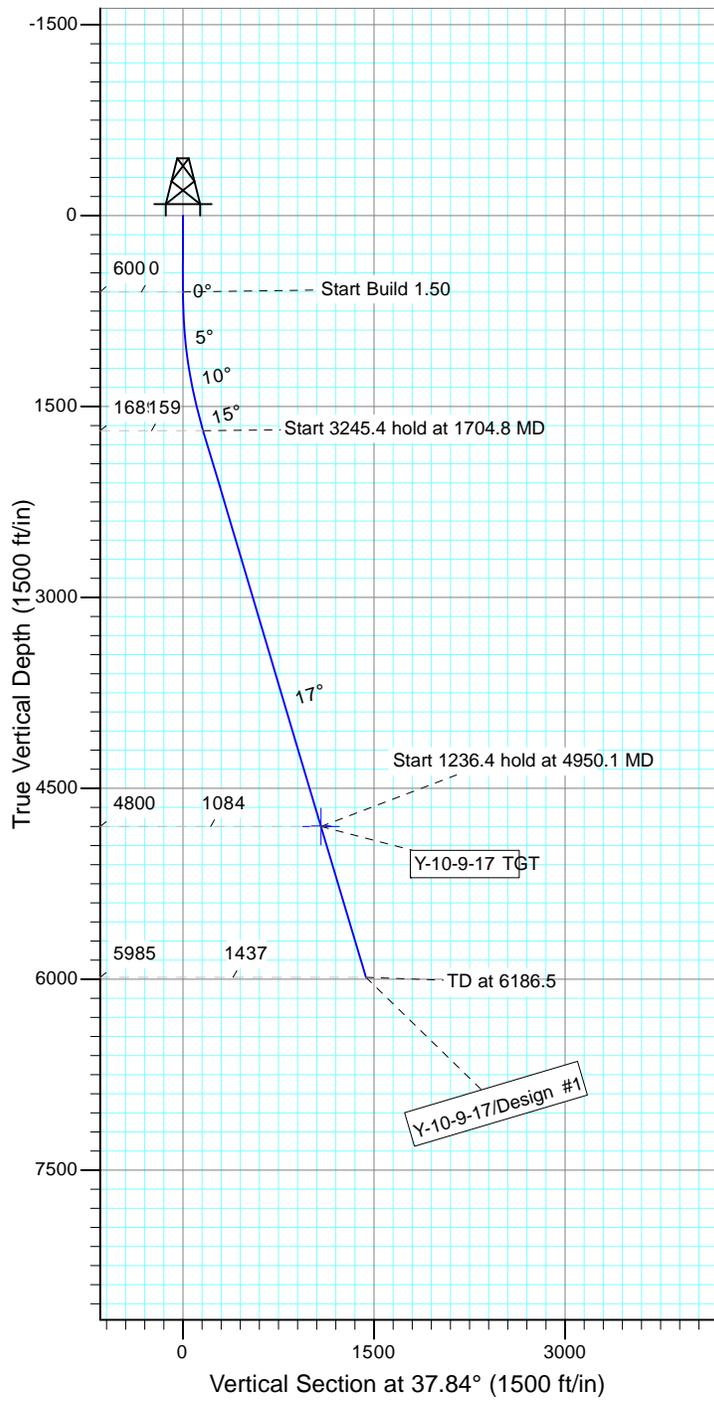
Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: Y-10-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52251.0snT
 Dip Angle: 65.79°
 Date: 2011/09/14
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Y-10-9-17 TGT	4800.0	856.3	665.2	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	1704.8	16.57	37.84	1689.4	125.3	97.3	1.50	37.84	158.7	
4	4950.1	16.57	37.84	4800.0	856.3	665.2	0.00	0.00	1084.3	Y-10-9-17 TGT
5	6186.5	16.57	37.84	5985.0	1134.7	881.5	0.00	0.00	1436.9	





VIA ELECTRONIC DELIVERY

February 24, 2012

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU Y-10-9-17
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R17E Section 16: NENE (ML-3453B)
877' FNL 770' FEL

At Target: T9S-R17E Section 10: SWSW (UTU-70821)
245' FSL 131' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 2/23/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink that reads "Leslie Burget".

Leslie Burget
Land Associate

Form 3160-3
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU70821
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD PRODUCTION COMPANY		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
Contact: MANDIE CROZIER Email: mcrozier@newfield.com		8. Lease Name and Well No. GMBU Y-10-9-17
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031	9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENE 877FNL 770FEL At proposed prod. zone SWSW 245FSL 131FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 15.7		11. Sec., T., R., M., or Blk. and Survey or Area Sec 16 T9S R17E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 131'	16. No. of Acres in Lease 240.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 624'	19. Proposed Depth 6186 MD 5985 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5241 GL	22. Approximate date work will start 07/31/2012	17. Spacing Unit dedicated to this well 20.00
		20. BLM/BIA Bond No. on file WYB000493
		23. Estimated duration 7 DAYS

24. Attachments

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

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. 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 02/23/2012
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	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.

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.

Additional Operator Remarks (see next page)

Electronic Submission #131451 verified by the BLM Well Information System
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal

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

API Well Number: 43013512530000

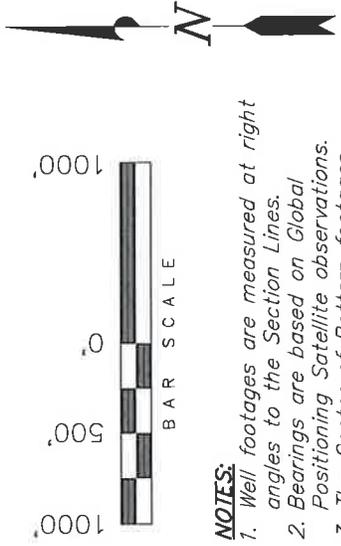
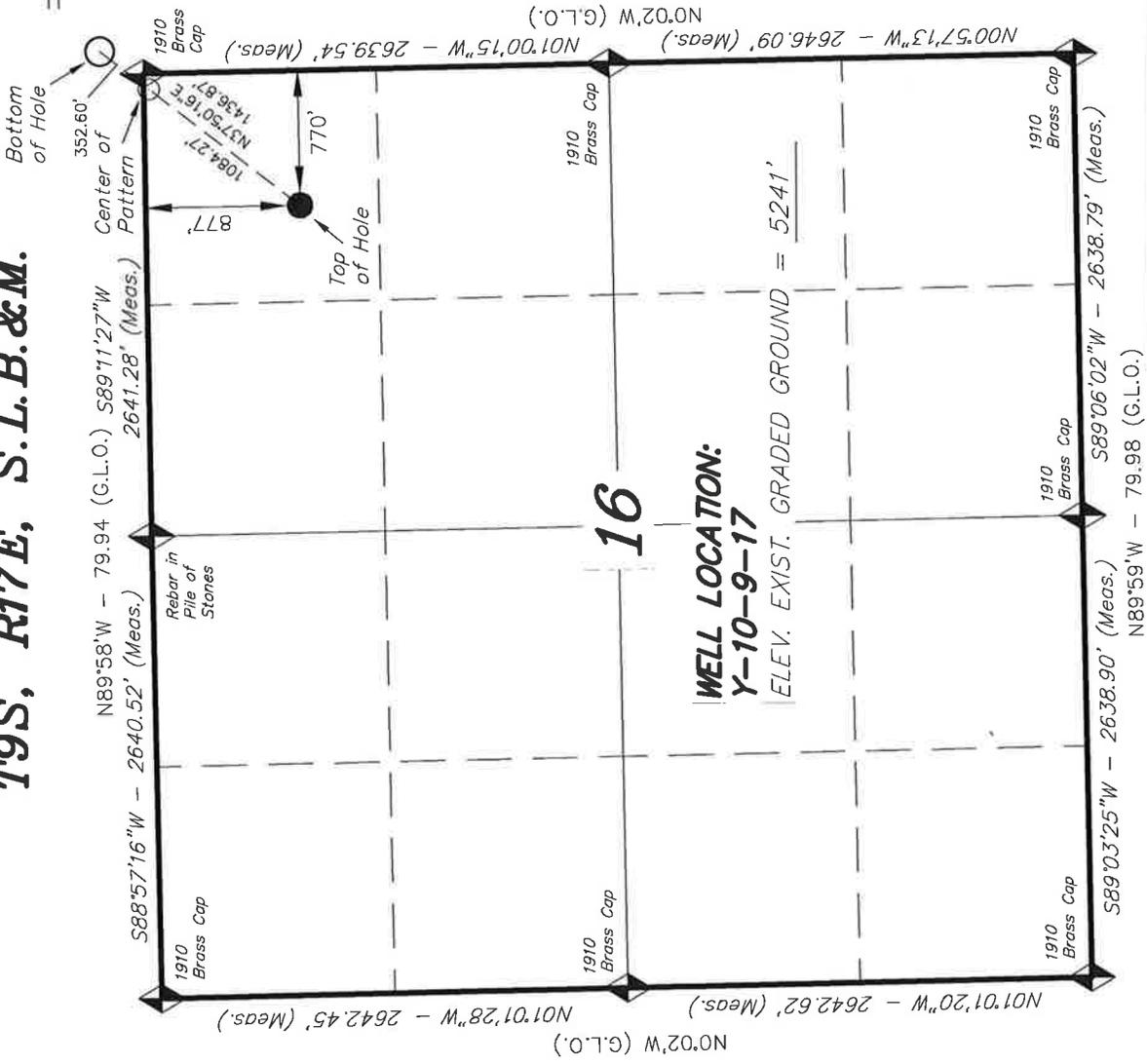
Additional Operator Remarks:

SURFACE LEASE: ML-3453B
BOTTOM HOLE LEASE: UTU-70821

T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, Y-10-9-17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 16, T9S, R17E, 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.
 3. The Center of Pattern footages are 30' FNL & 90' FEL.

= SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE REPORT 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
REGISTRATION NO. 6189377
STACY W. STEWART
 STATE OF UTAH

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

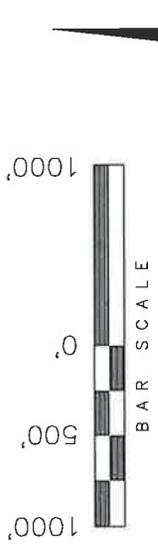
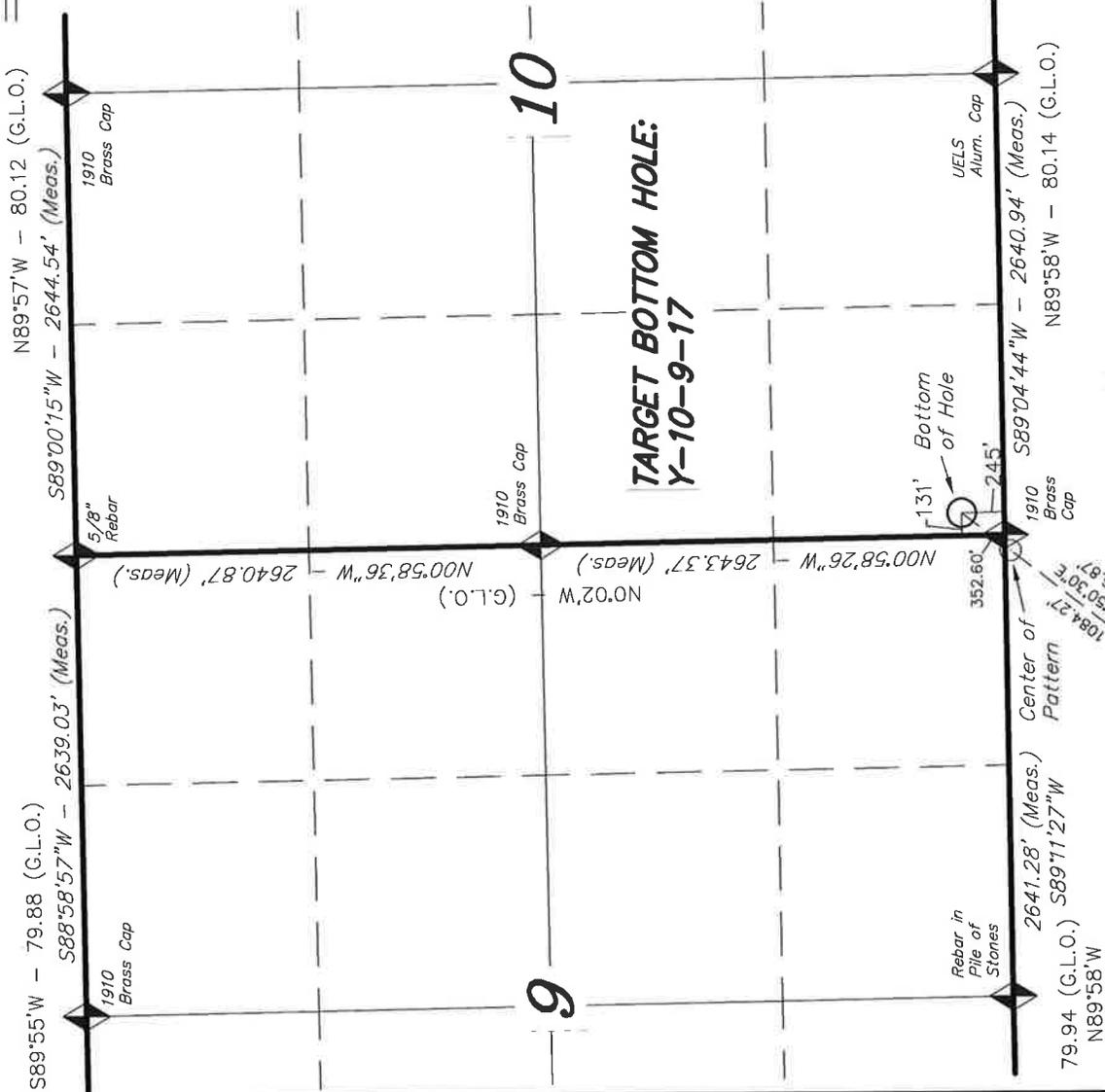
DATE SURVEYED: 03-06-11	SURVEYED BY: K.S.	VERSION: V3
DATE DRAWN: 09-07-11	DRAWN BY: F.T.M.	
REVISED: 11-30-11 F.T.M.	SCALE: 1" = 1000'	

Y-10-9-17
 (Surface Location) **NAD 83**
 LATITUDE = 40° 02' 08.89"
 LONGITUDE = 110° 00' 17.73"

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

T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



- NOTES:**
- Well footages are measured at right angles to the Section Lines.
 - Bearings are based on Global Positioning Satellite observations.
 - The Bottom of Hole footages are 245' FSL & 131' FWL.

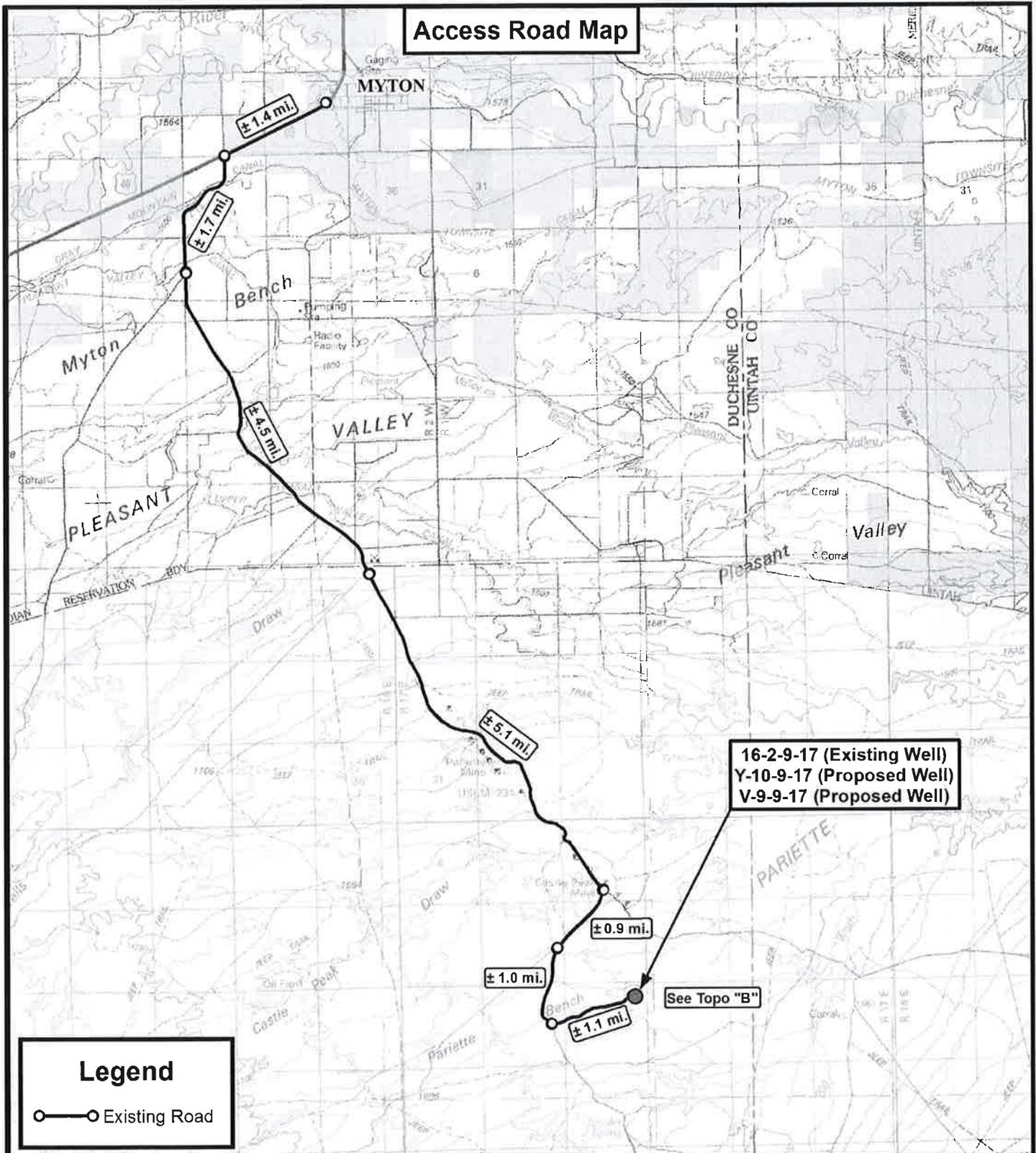
◆ = SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS PREPARED FROM FIELD NOTES OF A SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
 J. B. STACY, JR.
 11-30-11
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 33333
 STATE OF UTAH

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

DATE SURVEYED: 03-06-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 09-07-11	DRAWN BY: F.T.M.	V3
REVISED: 11-30-11 F.T.M.	SCALE: 1" = 1000'	

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'



Access Road Map

Legend

○—○ Existing Road

**16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)**

See Topo "B"



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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



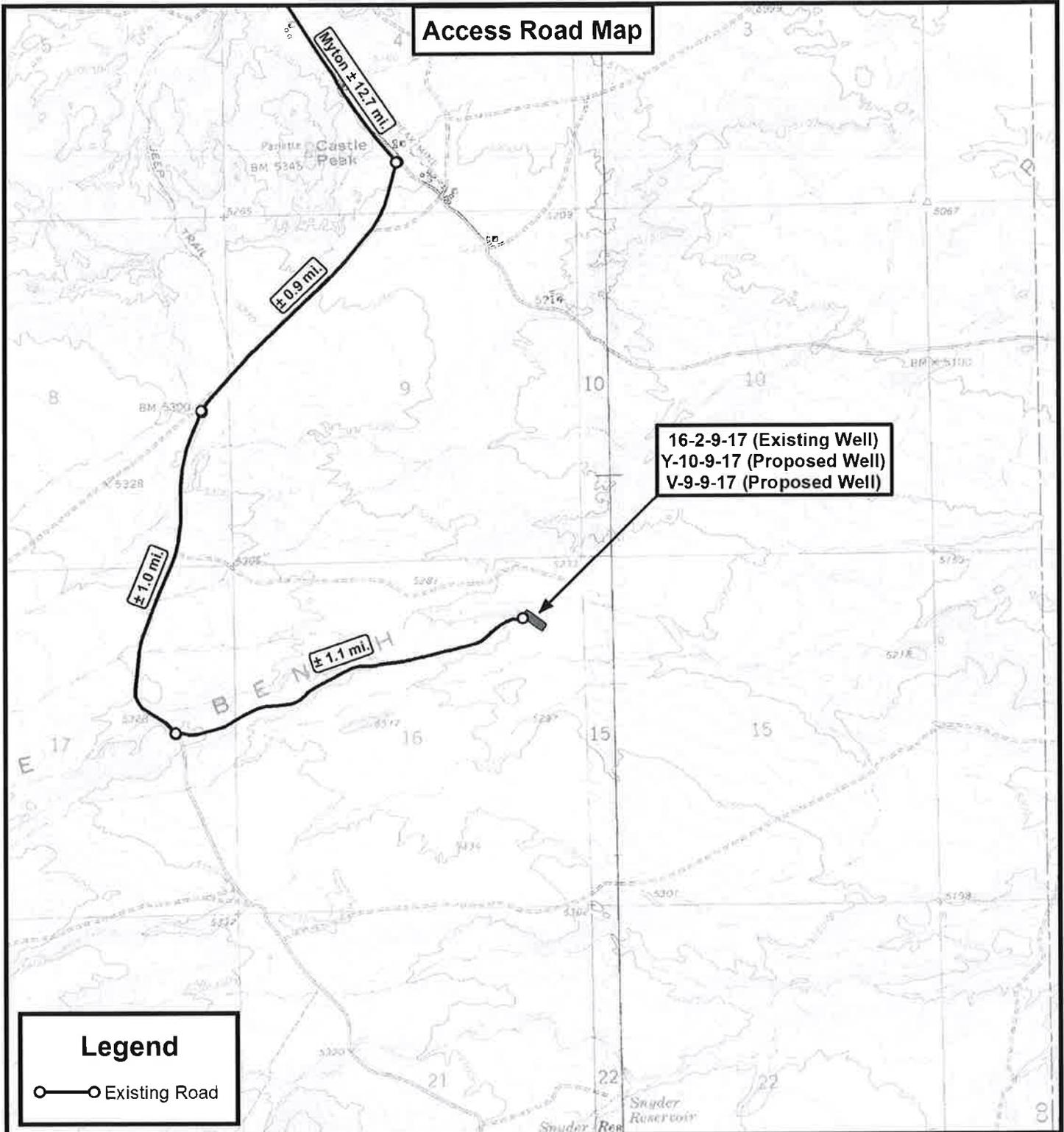
NEWFIELD EXPLORATION COMPANY

16-2-9-17 (Existing Well)
Y-10-9-17 (Proposed Well)
V-9-9-17 (Proposed Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-30-11 A.P.C.	VERSION:
DATE:	10-18-2011			V3
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET
A



Access Road Map

16-2-9-17 (Existing Well)
 Y-10-9-17 (Proposed Well)
 V-9-9-17 (Proposed Well)

Legend

○—○ Existing Road

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.



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

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



NEWFIELD EXPLORATION COMPANY

16-2-9-17 (Existing Well)
 Y-10-9-17 (Proposed Well)
 V-9-9-17 (Proposed Well)

SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-30-11 A.P.C.	VERSION:
DATE:	10-18-2011			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

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 29, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 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 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51243	GMBU G-12-9-16	Sec 12 T09S R16E 2057 FNL 2076 FWL
	BHL	Sec 12 T09S R16E 1157 FNL 1151 FWL
43-013-51244	GMBU K-8-9-17	Sec 09 T09S R17E 1998 FSL 0682 FWL
	BHL	Sec 08 T09S R17E 2364 FNL 0367 FEL
43-013-51245	GMBU H-12-9-16	Sec 12 T09S R16E 2040 FNL 2088 FWL
	BHL	Sec 12 T09S R16E 0931 FNL 2606 FEL
43-013-51246	GMBU L-12-9-16	Sec 12 T09S R16E 1865 FNL 2117 FEL
	BHL	Sec 12 T09S R16E 2298 FSL 1308 FEL
43-013-51247	GMBU X-9-9-17	Sec 16 T09S R17E 0627 FNL 1959 FWL
	BHL	Sec 09 T09S R17E 0045 FSL 1182 FWL
43-013-51249	GMBU E-16-9-17	Sec 08 T09S R17E 0589 FSL 0616 FEL
	BHL	Sec 16 T09S R17E 0161 FNL 0194 FWL
43-013-51250	GMBU T-8-9-17	Sec 09 T09S R17E 1996 FSL 0703 FWL
	BHL	Sec 08 T09S R17E 1088 FSL 0163 FWL
43-013-51251	GMBU V-9-9-17	Sec 16 T09S R17E 0880 FNL 0791 FEL
	BHL	Sec 09 T09S R17E 0322 FSL 1365 FEL

RECEIVED: February 29, 2012

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51252	GMBU I-12-9-16	Sec 12 T09S R16E 1844 FNL 2118 FEL BHL Sec 12 T09S R16E 1423 FNL 0706 FEL
43-013-51253	GMBU Y-10-9-17	Sec 16 T09S R17E 0877 FNL 0770 FEL BHL Sec 10 T09S R17E 0245 FSL 0131 FWL

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: 2012.02.29 12:09:32 -07'00'

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

MCoulthard:mc:2-29-12



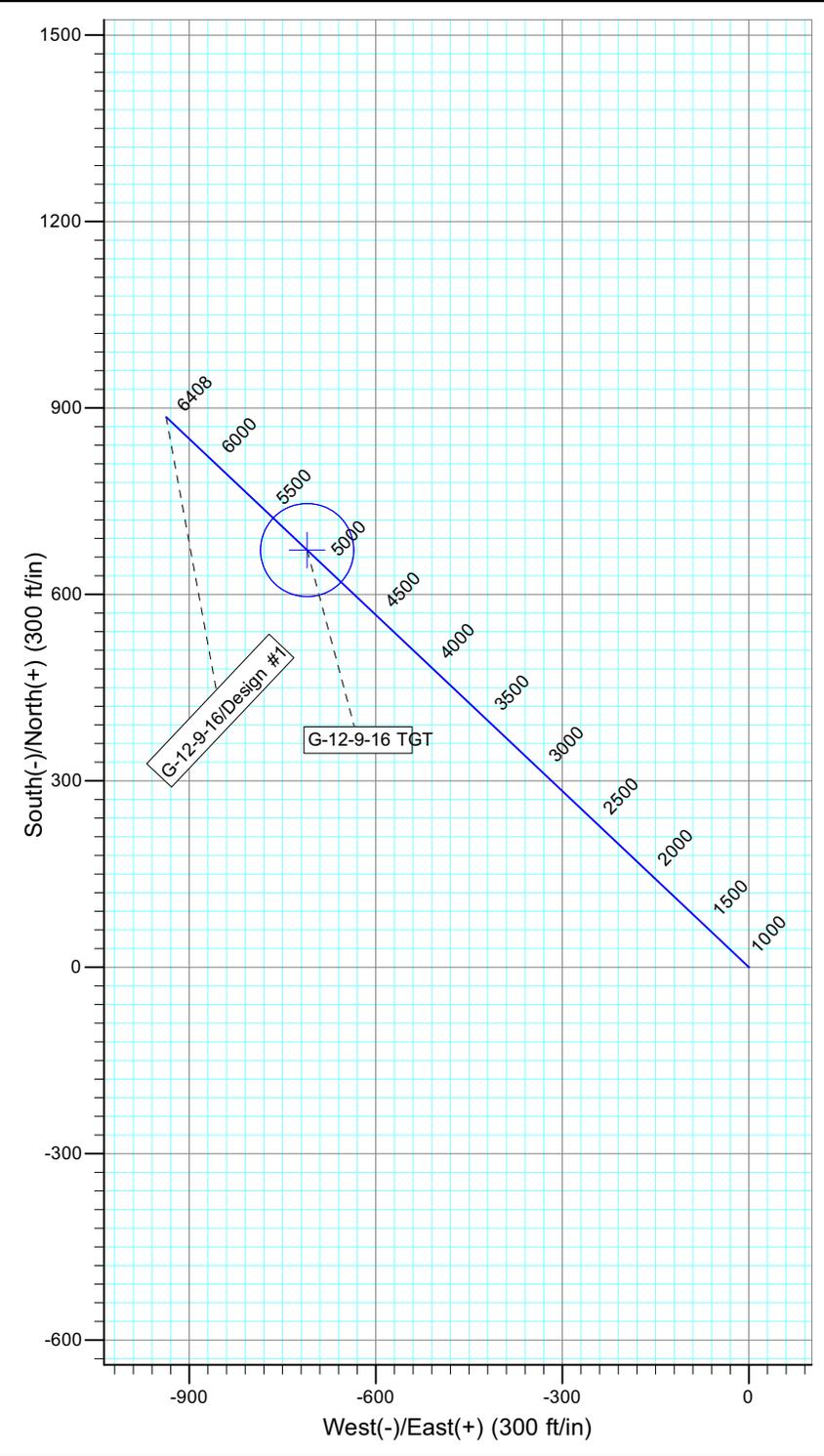
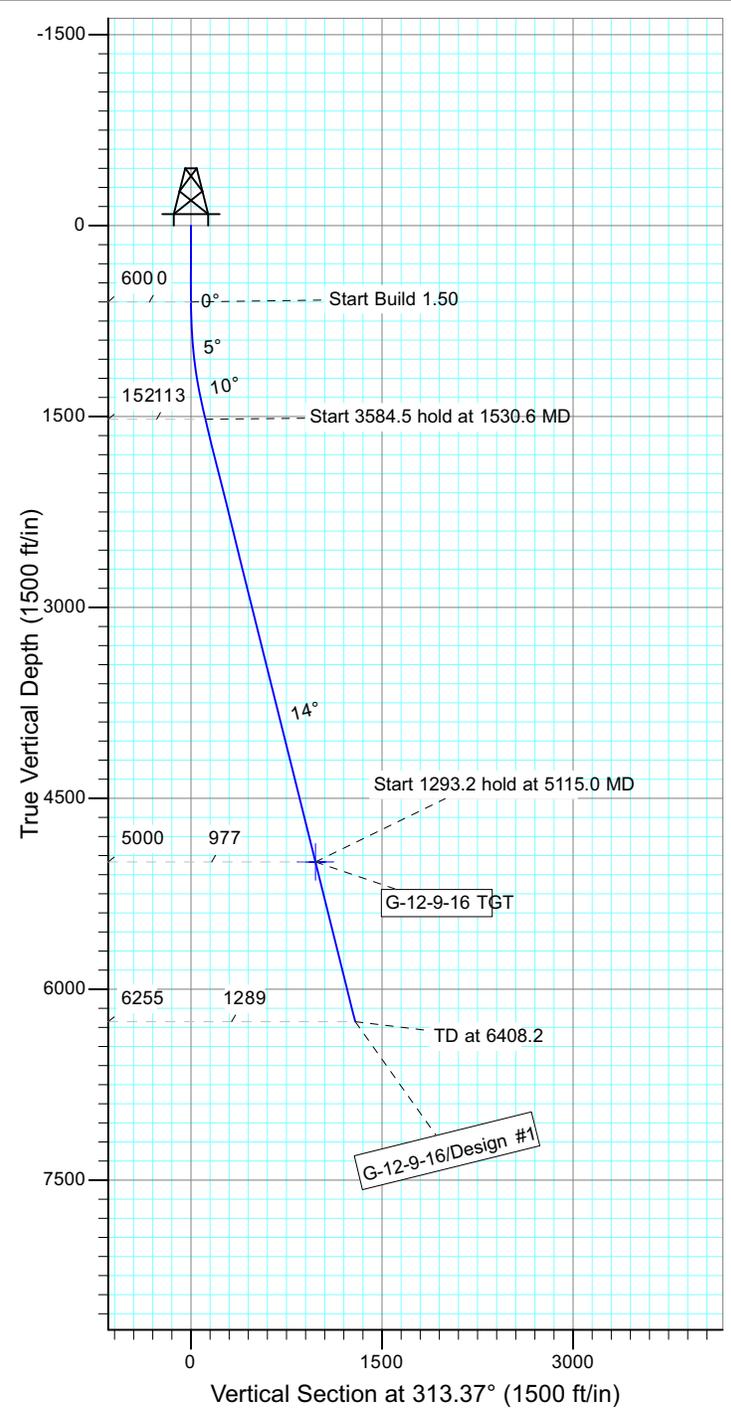
Project: USGS Myton SW (UT)
 Site: SECTION 12 T9, R16
 Well: G-12-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.28°

Magnetic Field
 Strength: 52246.6snT
 Dip Angle: 65.79°
 Date: 2011/09/11
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
G-12-9-16 TGT	5000.0	671.2	-710.5	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	1530.6	13.96	313.37	1521.4	77.5	-82.0	1.50	313.37	112.8	
4	5115.0	13.96	313.37	5000.0	671.2	-710.5	0.00	0.00	977.4	G-12-9-16 TGT
5	6408.2	13.96	313.37	6255.0	885.4	-937.3	0.00	0.00	1289.4	





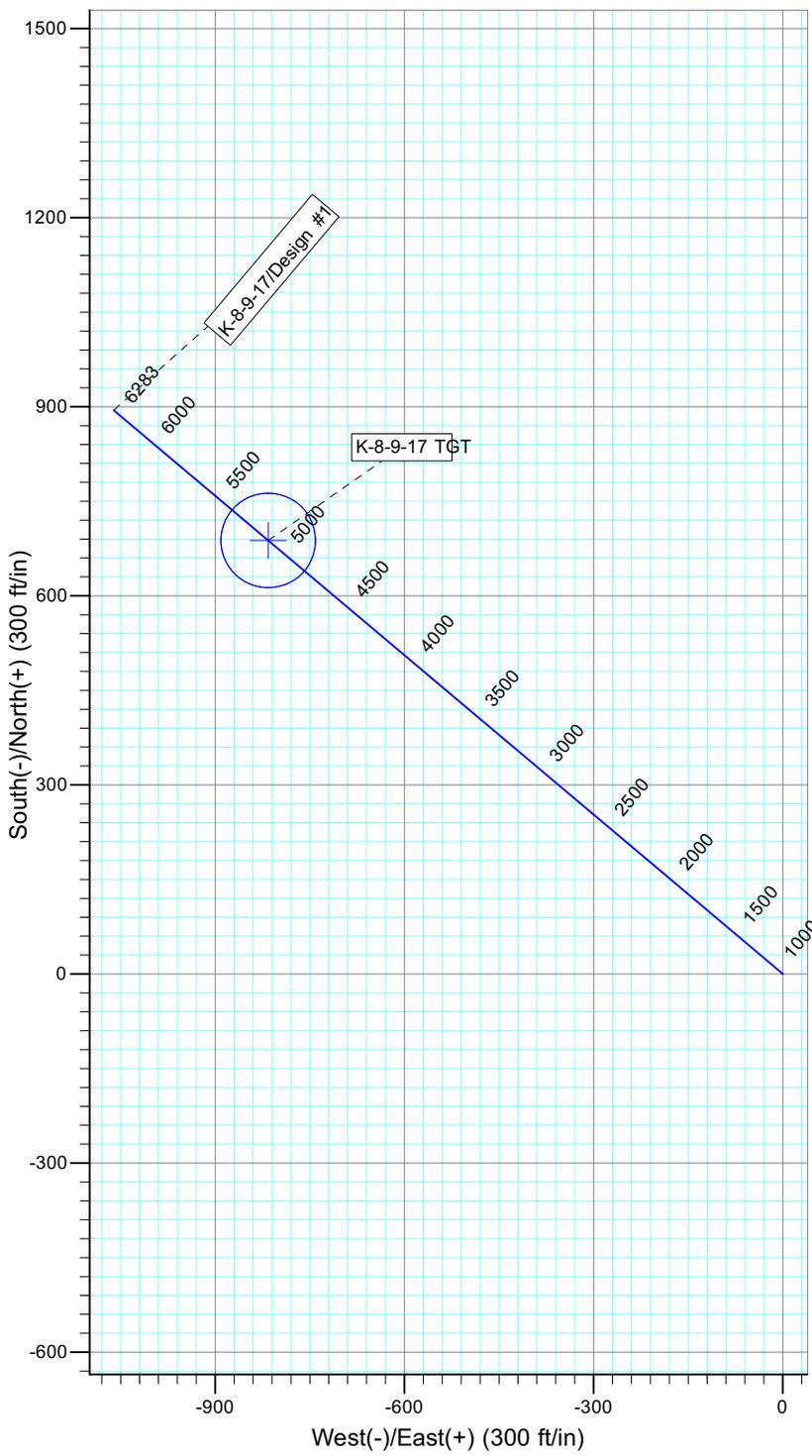
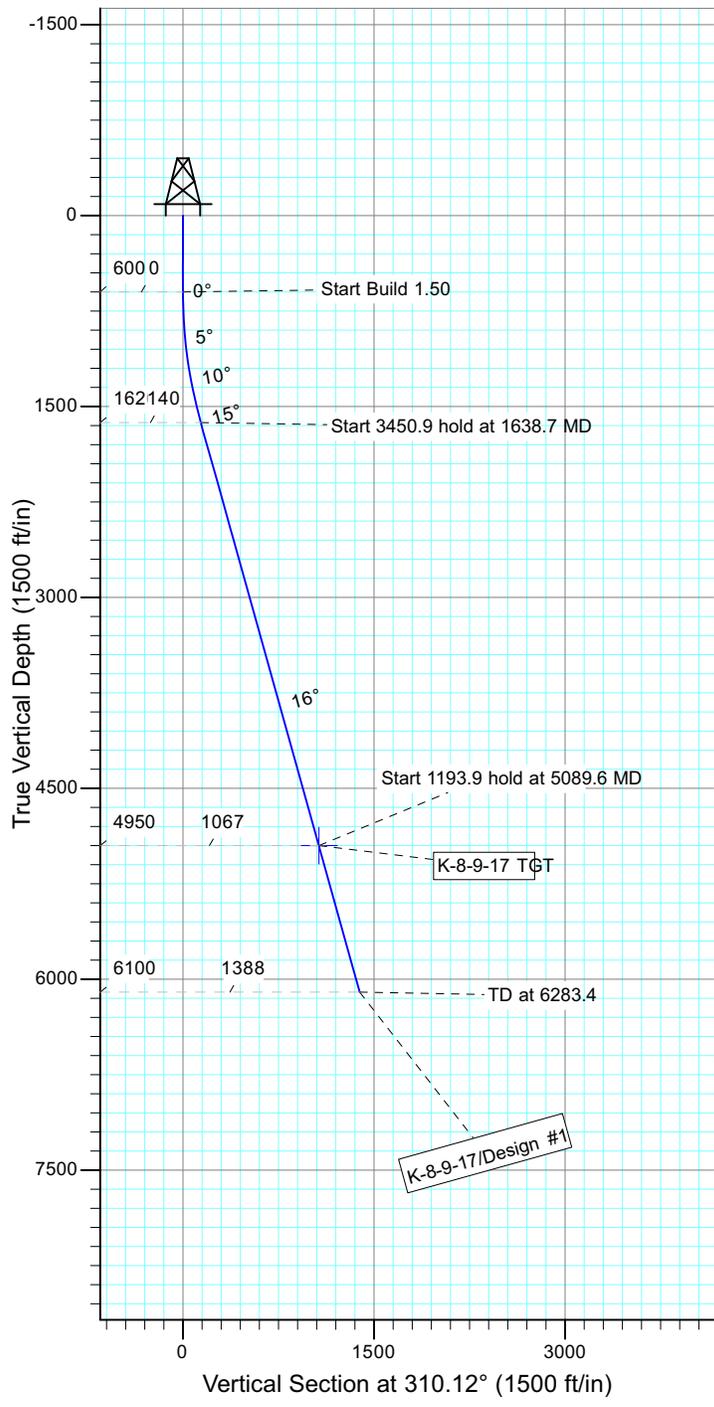
Project: USGS Myton SW (UT)
 Site: SECTION 9 T9, R17
 Well: K-8-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52253.9snT
 Dip Angle: 65.80°
 Date: 2011/09/11
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
K-8-9-17 TGT	4950.0	687.7	-816.1	Circle (Radius: 75.0)

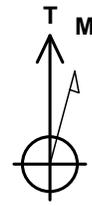
SECTION DETAILS

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	1638.7	15.58	310.12	1625.9	90.4	-107.3	1.50	310.12	140.4	
4	5089.6	15.58	310.12	4950.0	687.7	-816.1	0.00	0.00	1067.2	K-8-9-17 TGT
5	6283.4	15.58	310.12	6100.0	894.3	-1061.3	0.00	0.00	1387.9	





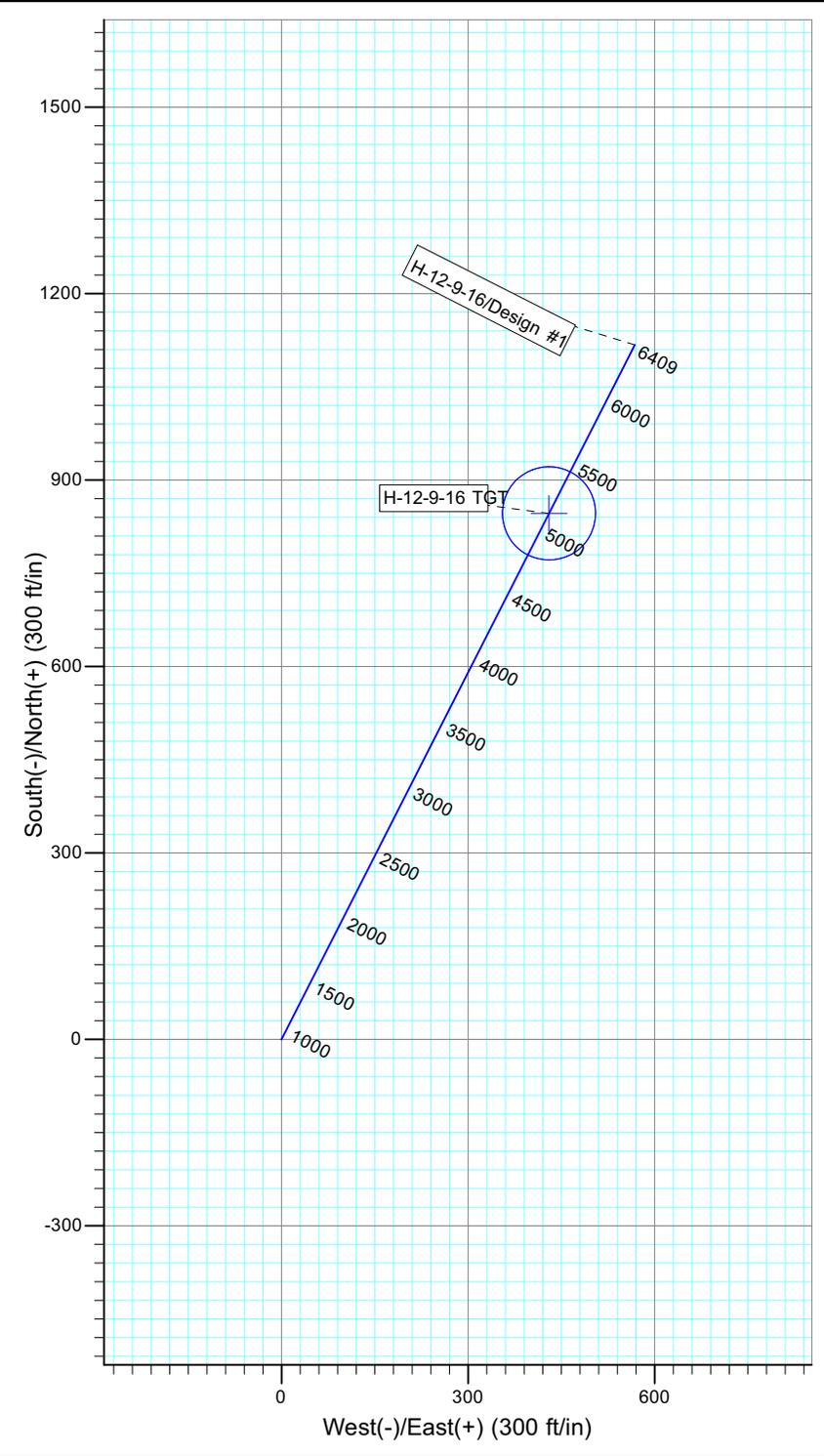
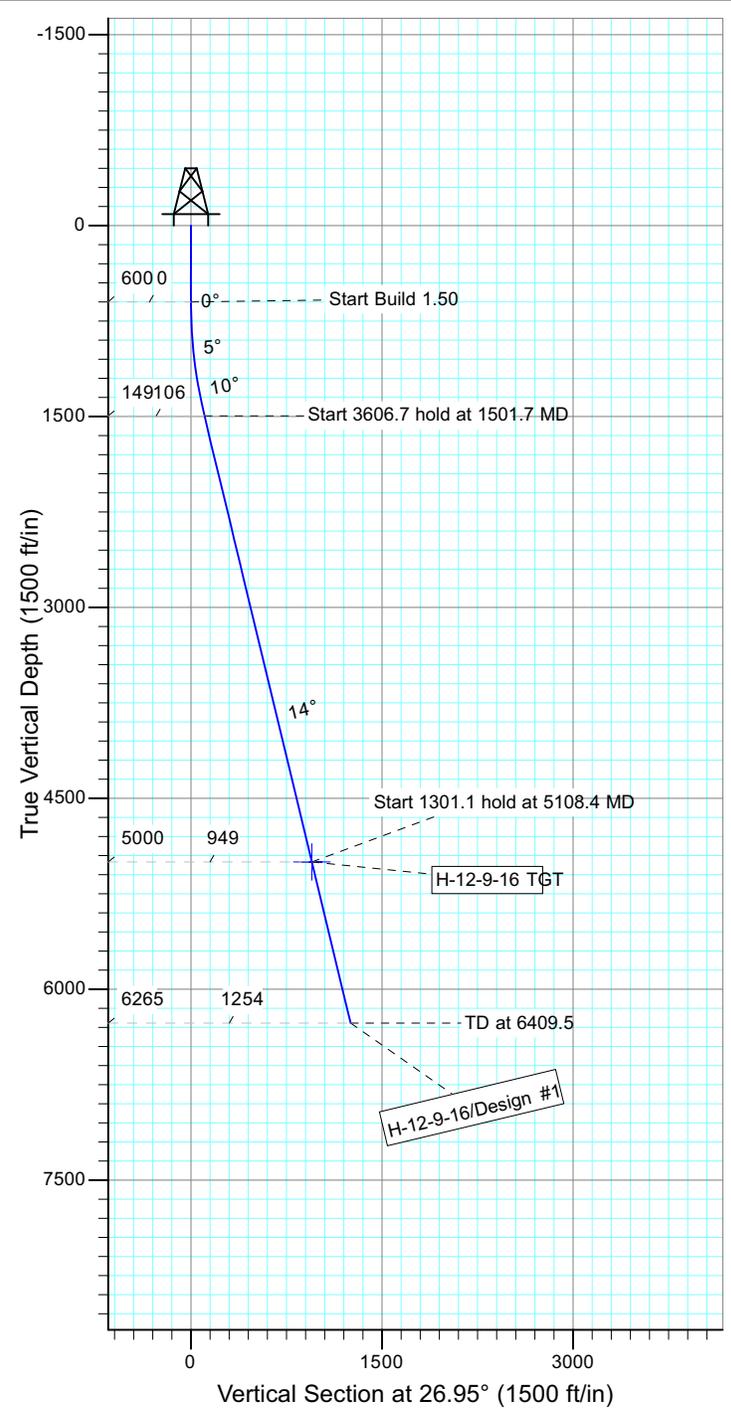
Project: USGS Myton SW (UT)
 Site: SECTION 12 T9, R16
 Well: H-12-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.28°

Magnetic Field
 Strength: 52246.6snT
 Dip Angle: 65.79°
 Date: 2011/09/11
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
H-12-9-16 TGT	5000.0	846.4	430.3	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	1501.7	13.53	26.95	1493.4	94.4	48.0	1.50	26.95	105.9	
4	5108.4	13.53	26.95	5000.0	846.4	430.3	0.00	0.00	949.5	H-12-9-16 TGT
5	6409.5	13.53	26.95	6265.0	1117.6	568.2	0.00	0.00	1253.8	





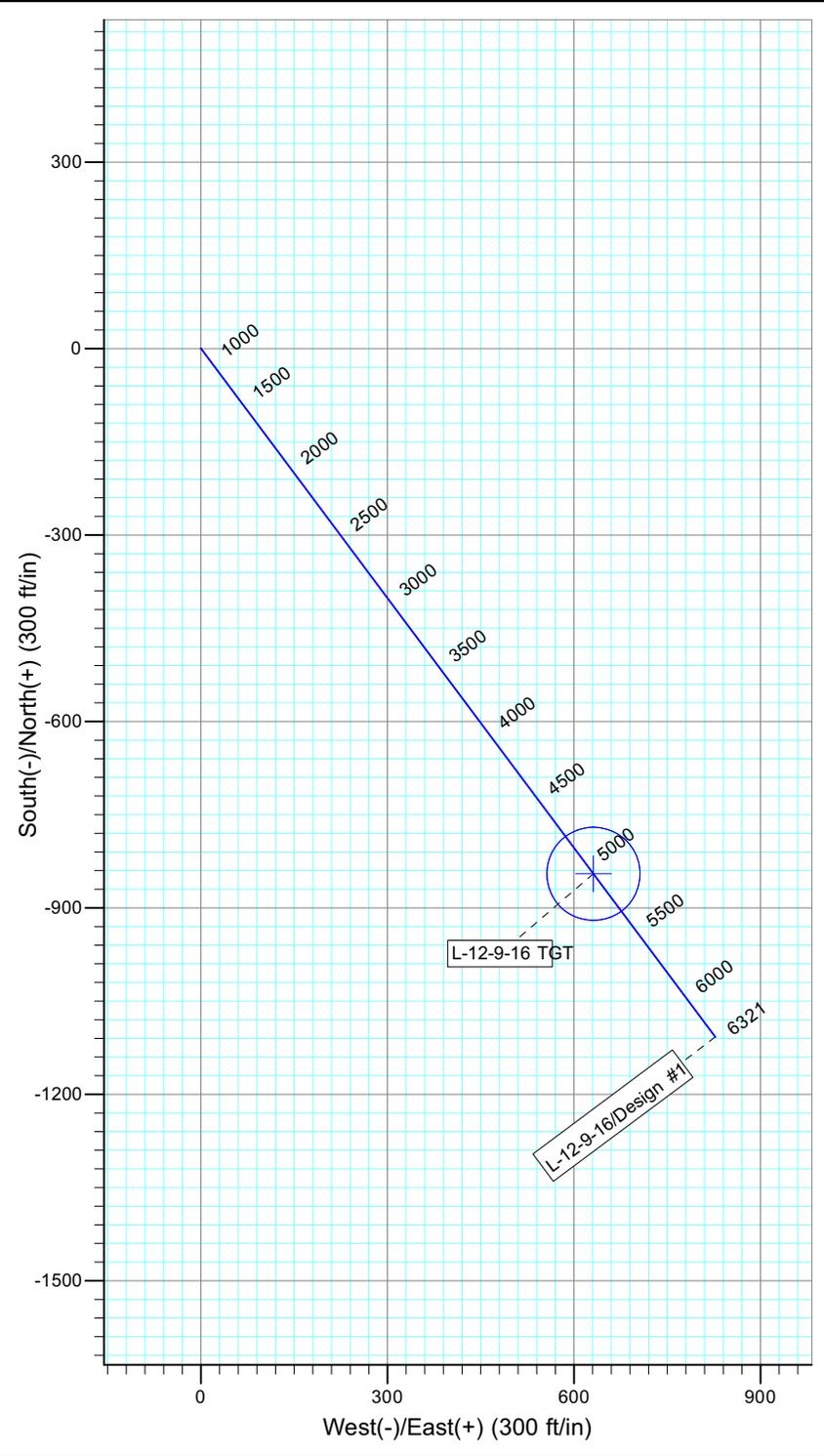
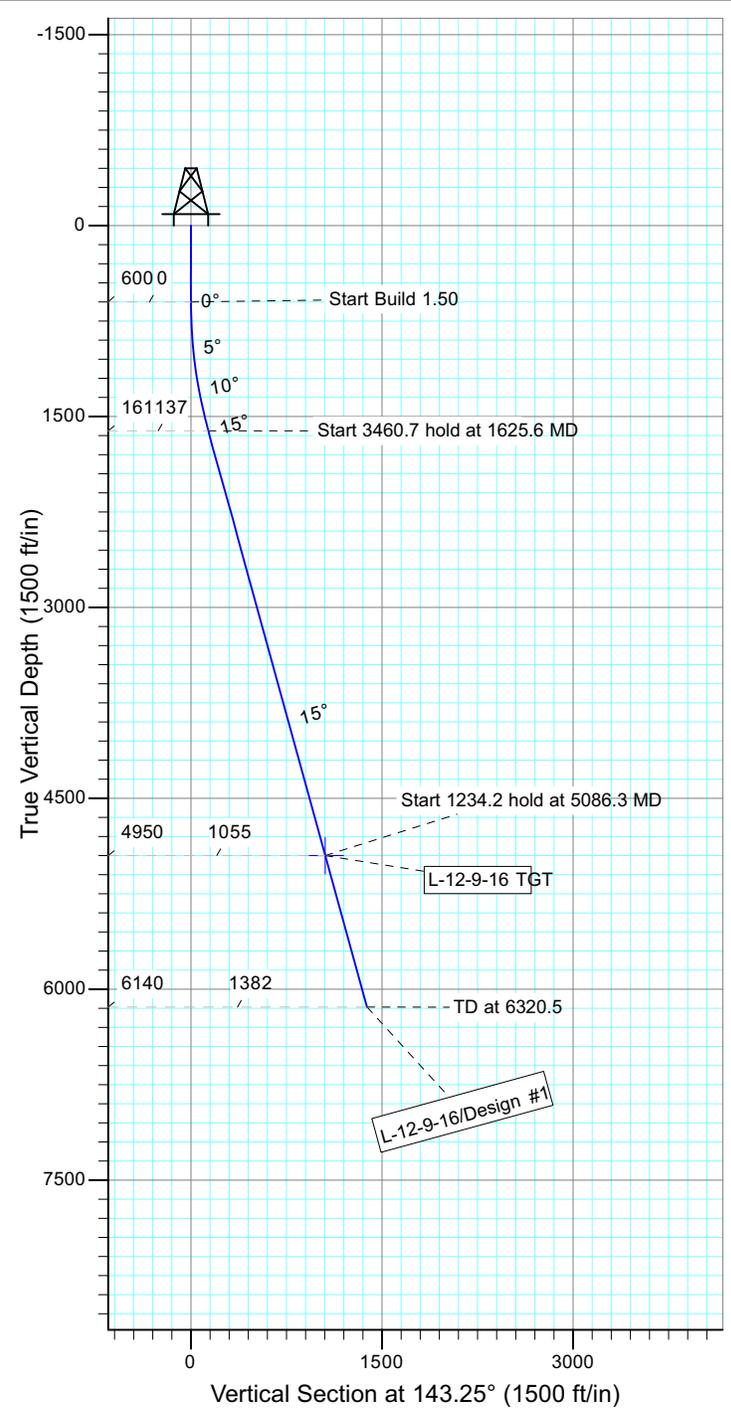
Project: USGS Myton SW (UT)
 Site: SECTION 12 T9, R16
 Well: L-12-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.28°

Magnetic Field
 Strength: 52248.1snT
 Dip Angle: 65.79°
 Date: 2011/09/11
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
L-12-9-16 TGT	4950.0	-845.3	631.2	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	1625.6	15.38	143.25	1613.3	-109.7	81.9	1.50	143.25	136.9	
4	5086.3	15.38	143.25	4950.0	-845.3	631.2	0.00	0.00	1054.9	L-12-9-16 TGT
5	6320.5	15.38	143.25	6140.0	-1107.6	827.1	0.00	0.00	1382.4	





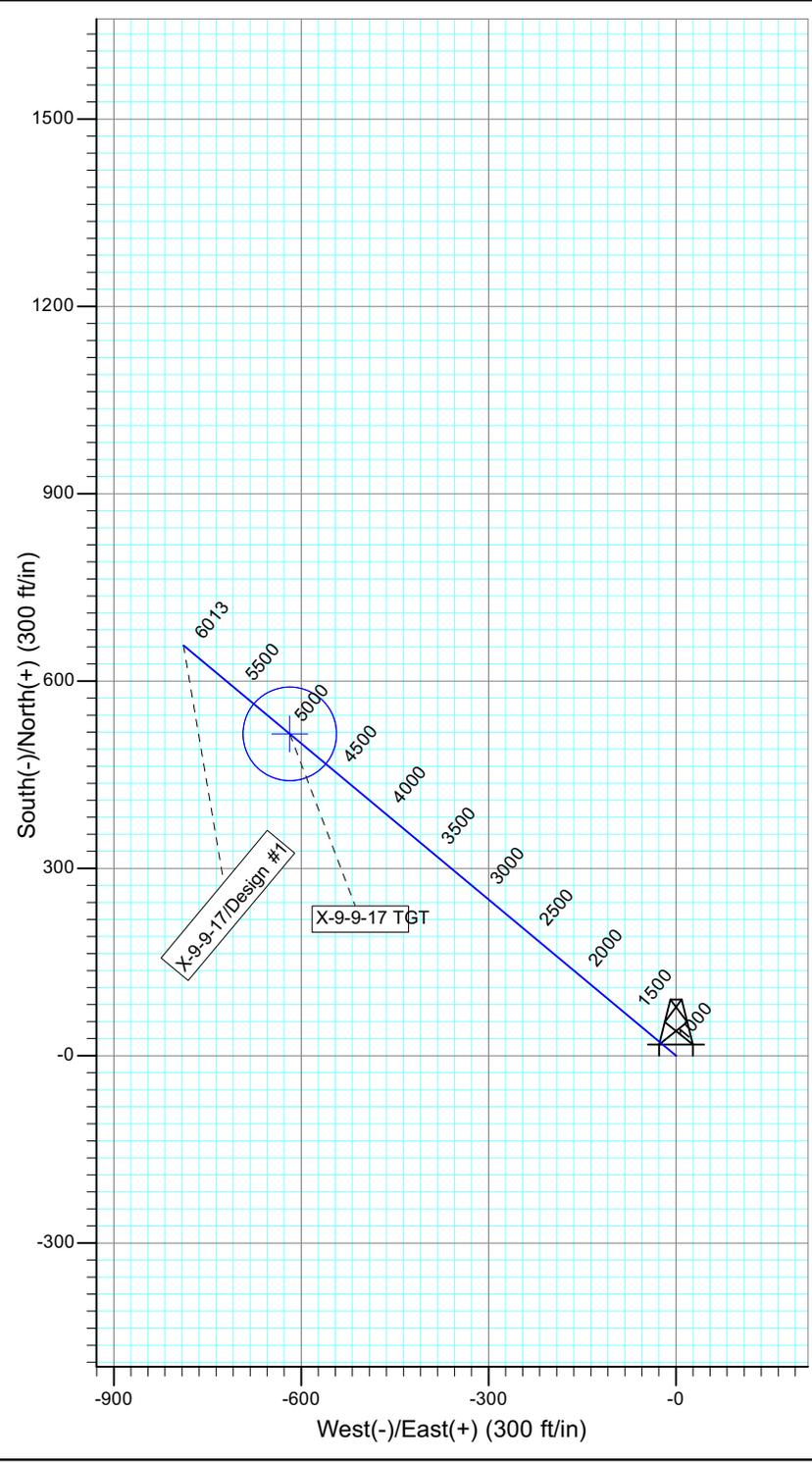
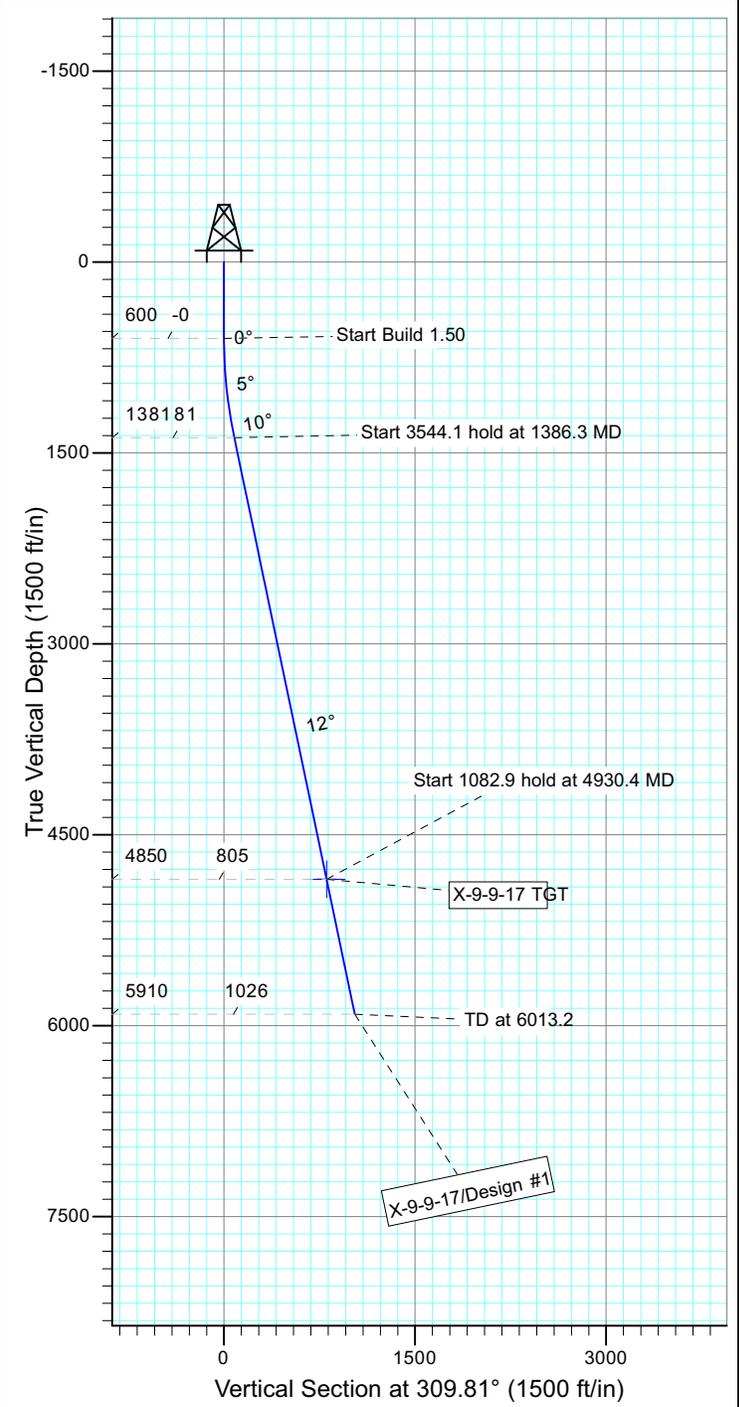
Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: X-9-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.32°

Magnetic Field
 Strength: 52292.8snT
 Dip Angle: 65.80°
 Date: 4/8/2011
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
X-9-9-17 TGT	4850.0	515.4	-618.4	Circle (Radius: 75.0)

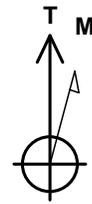
SECTION DETAILS

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	1386.3	11.79	309.81	1380.7	51.6	-61.9	1.50	309.81	80.6	
4	4930.4	11.79	309.81	4850.0	515.4	-618.4	0.00	0.00	805.0	X-9-9-17 TGT
5	6013.2	11.79	309.81	5910.0	657.1	-788.4	0.00	0.00	1026.4	





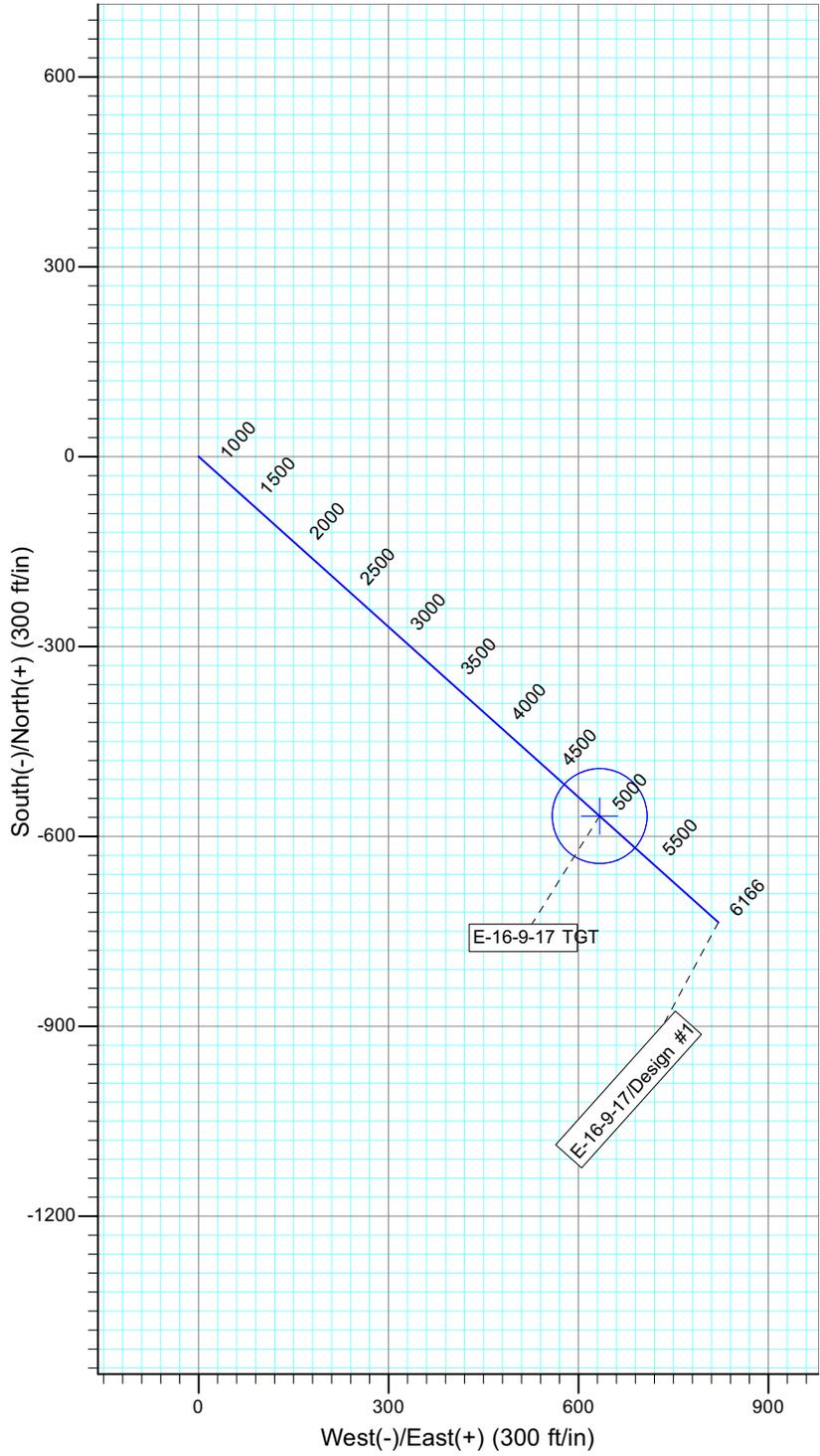
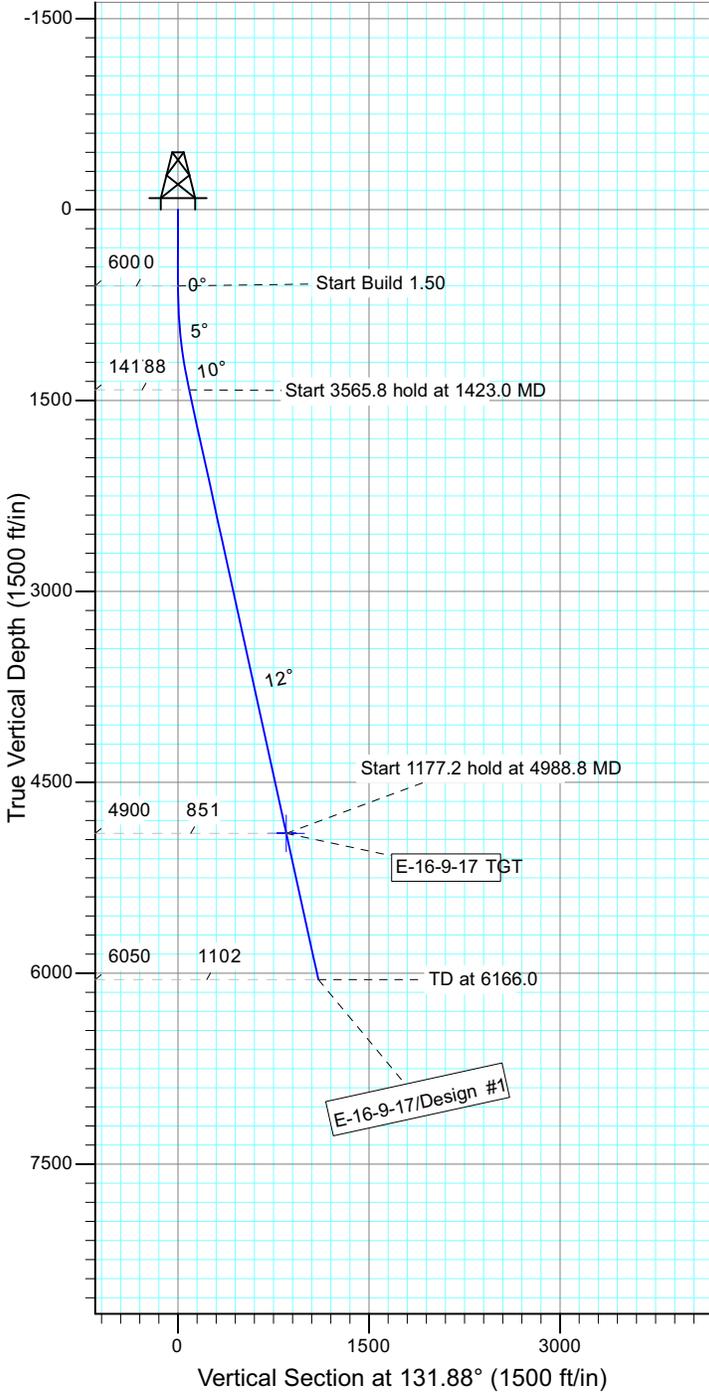
Project: USGS Myton SW (UT)
 Site: SECTION 8 T9S, R17E
 Well: E-16-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52250.0snT
 Dip Angle: 65.79°
 Date: 2011/09/14
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
E-16-9-17 TGT	4900.0	-567.9	633.4	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	1423.0	12.35	131.88	1416.6	-59.0	65.8	1.50	131.88	88.3	
4	4988.8	12.35	131.88	4900.0	-567.9	633.4	0.00	0.00	850.7	E-16-9-17 TGT
5	6166.0	12.35	131.88	6050.0	-735.9	820.8	0.00	0.00	1102.4	





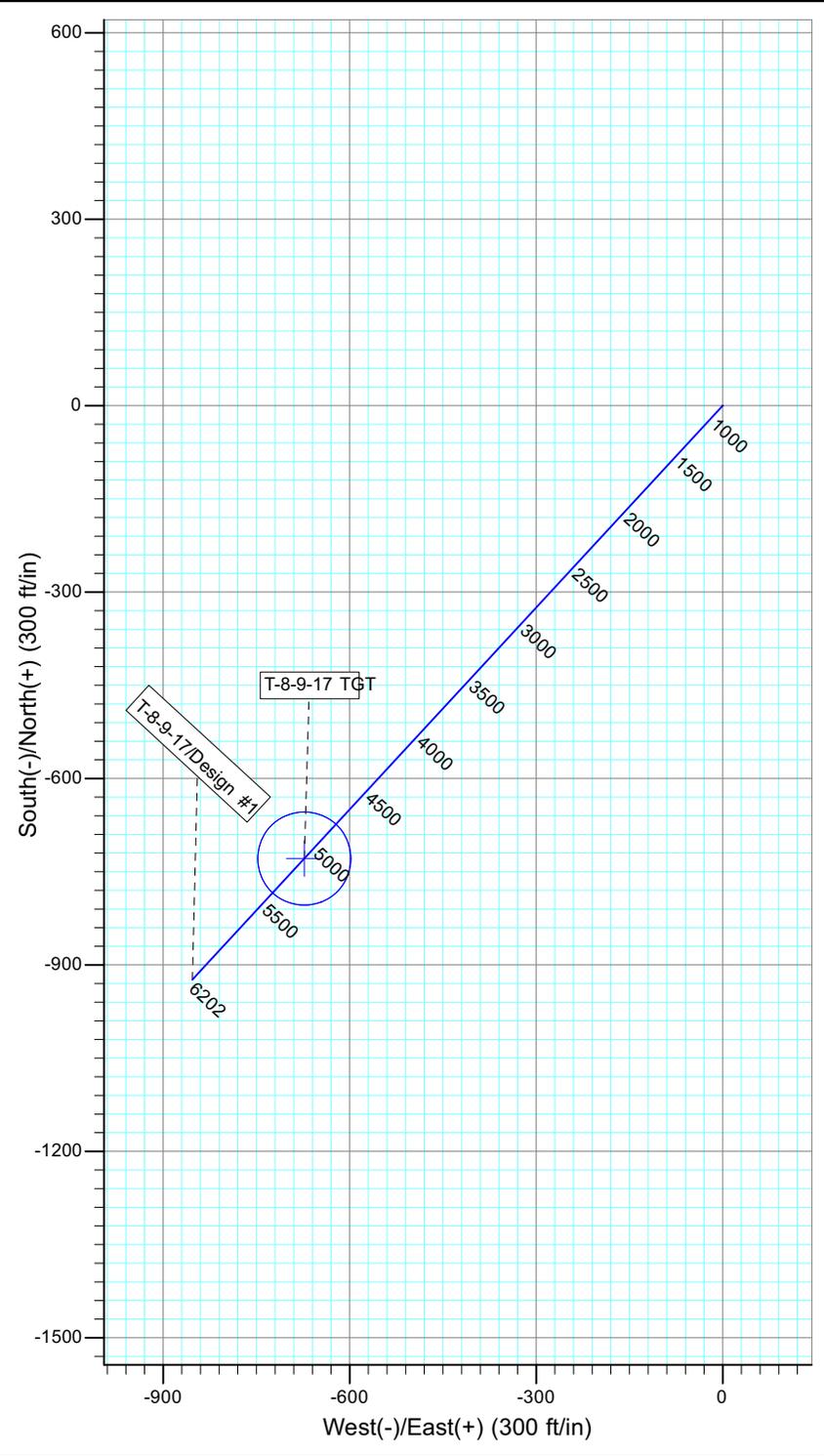
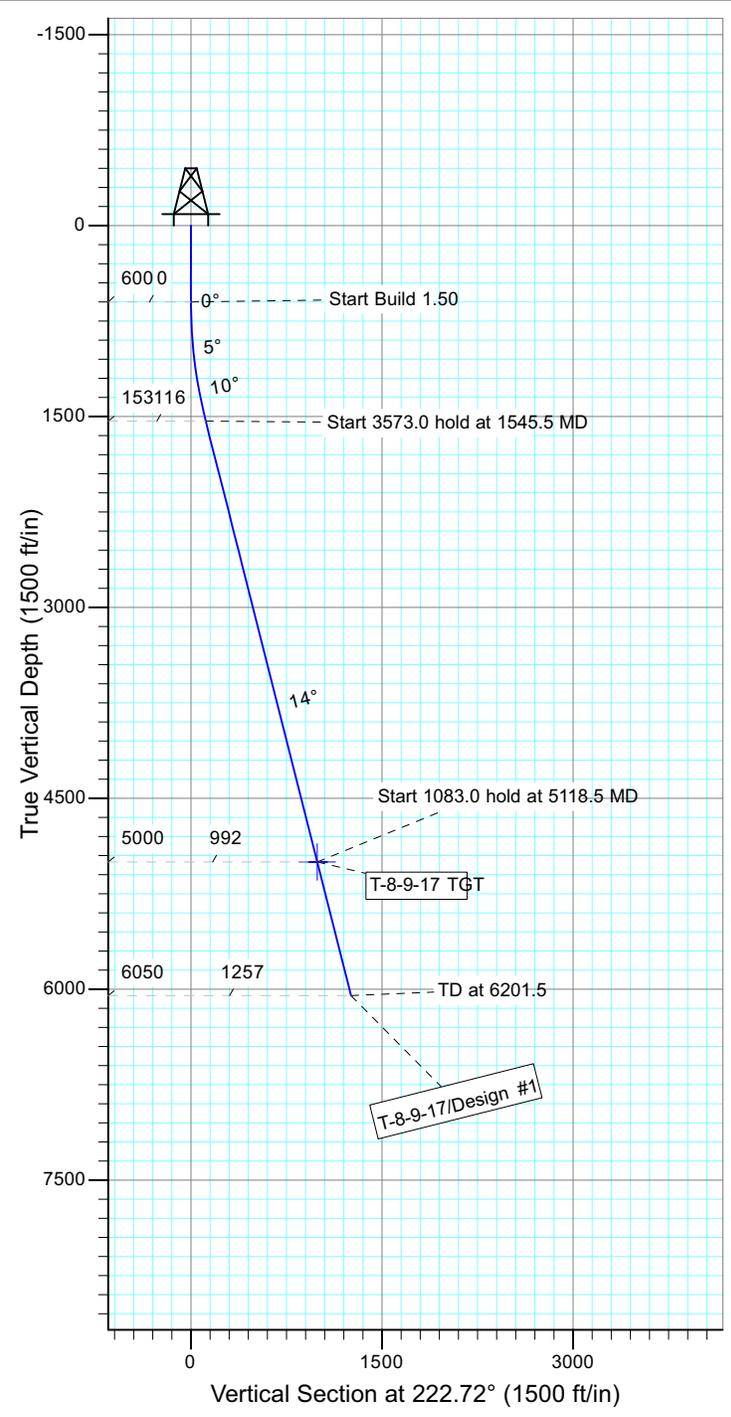
Project: USGS Myton SW (UT)
 Site: SECTION 9 T9, R17
 Well: T-8-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52253.9snT
 Dip Angle: 65.80°
 Date: 2011/09/11
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
T-8-9-17 TGT	5000.0	-728.7	-672.9	Circle (Radius: 75.0)

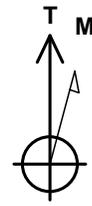
SECTION DETAILS

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	1545.5	14.18	222.72	1535.9	-85.5	-79.0	1.50	222.72	116.4	
4	5118.5	14.18	222.72	5000.0	-728.7	-672.9	0.00	0.00	991.8	T-8-9-17 TGT
5	6201.5	14.18	222.72	6050.0	-923.6	-852.9	0.00	0.00	1257.2	





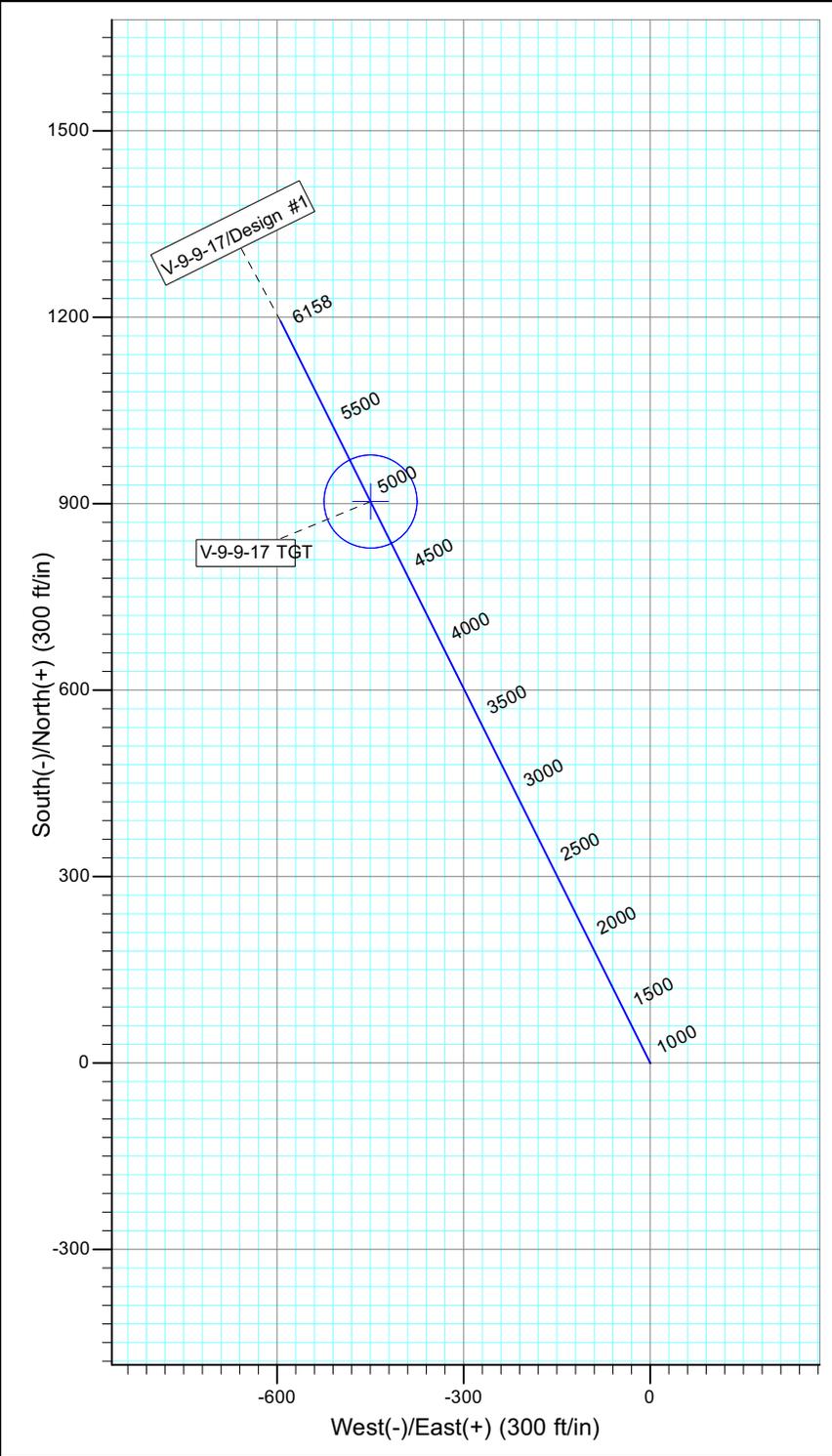
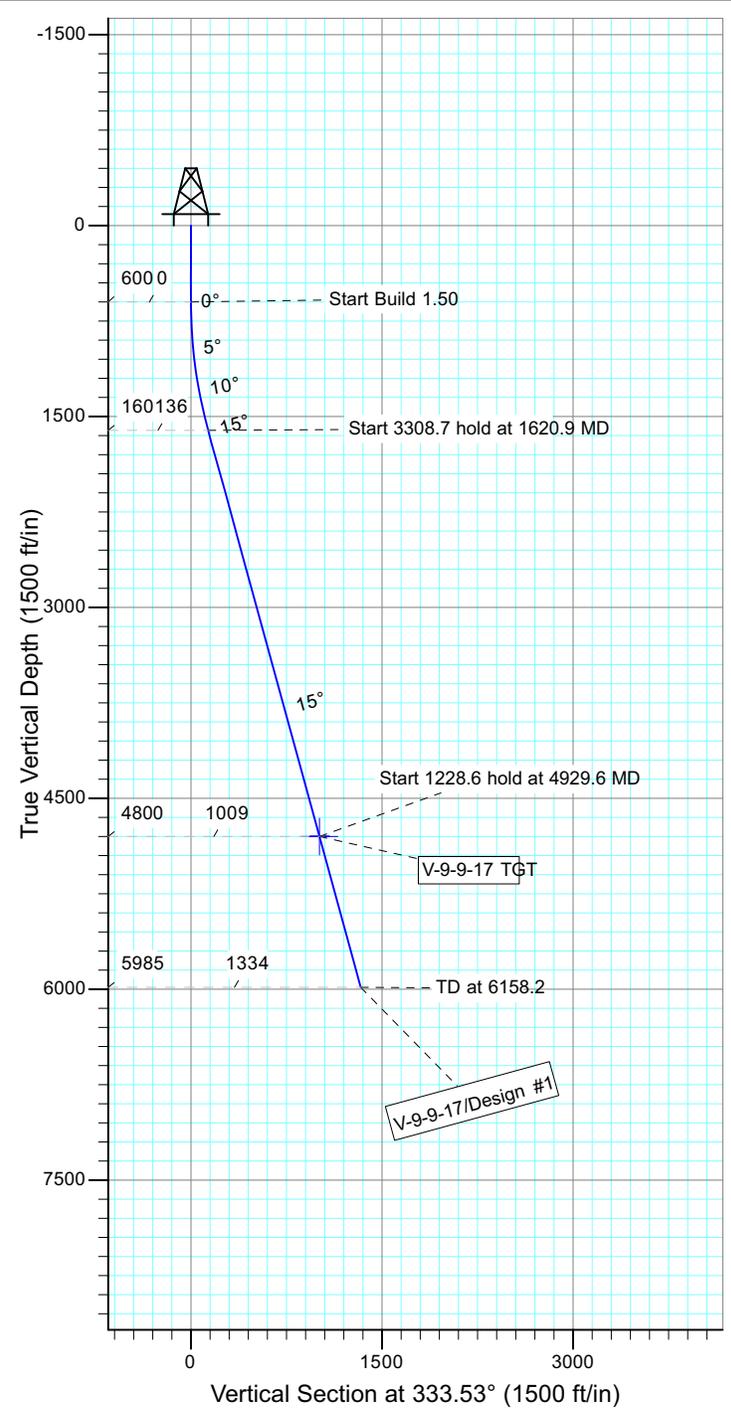
Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: V-9-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52251.0snT
 Dip Angle: 65.79°
 Date: 2011/09/14
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
V-9-9-17 TGT	4800.0	903.6	-449.9	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	1620.9	15.31	333.53	1608.7	121.4	-60.4	1.50	333.53	135.6	
4	4929.6	15.31	333.53	4800.0	903.6	-449.9	0.00	0.00	1009.4	V-9-9-17 TGT
5	6158.2	15.31	333.53	5985.0	1194.0	-594.5	0.00	0.00	1333.9	





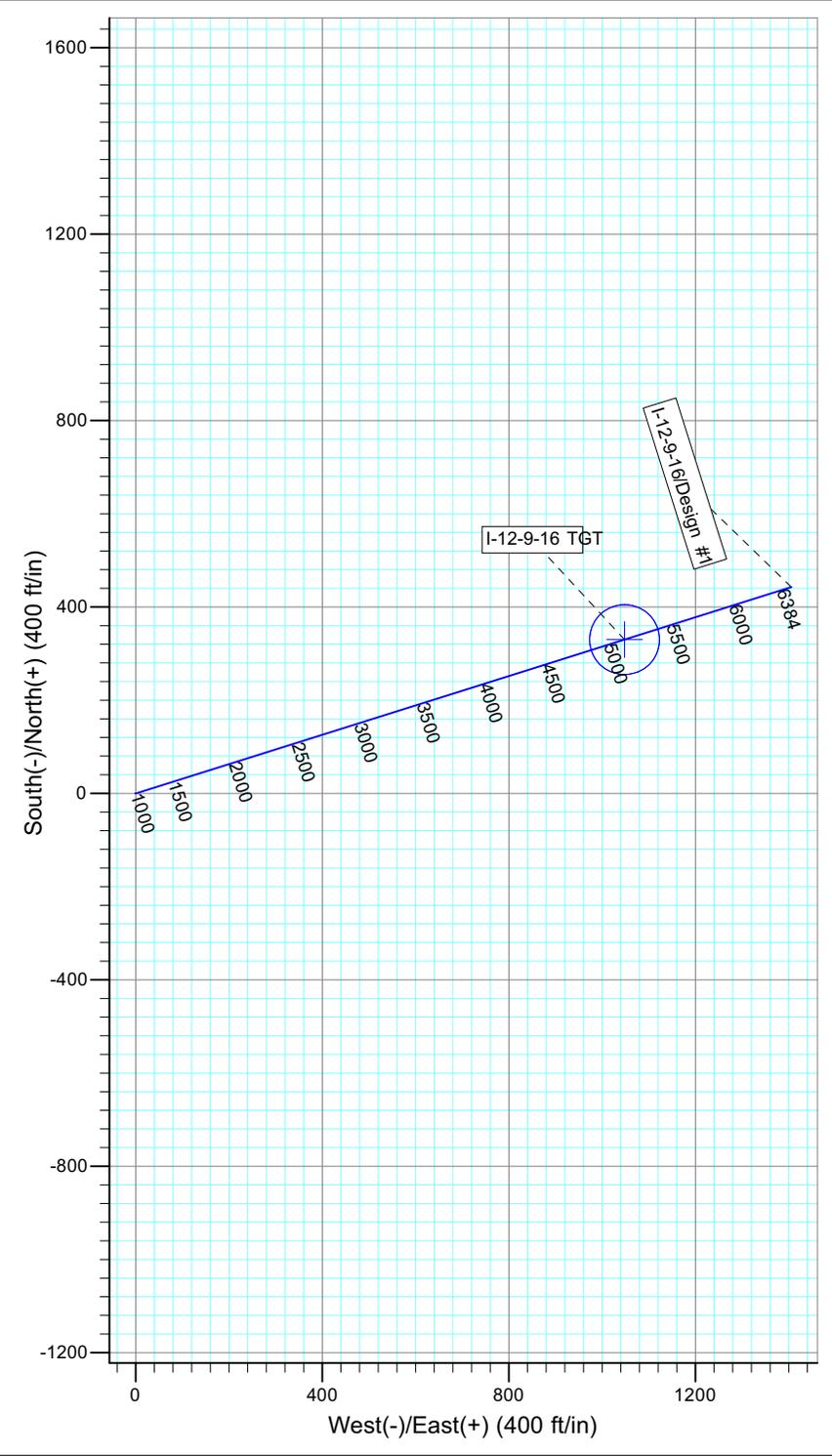
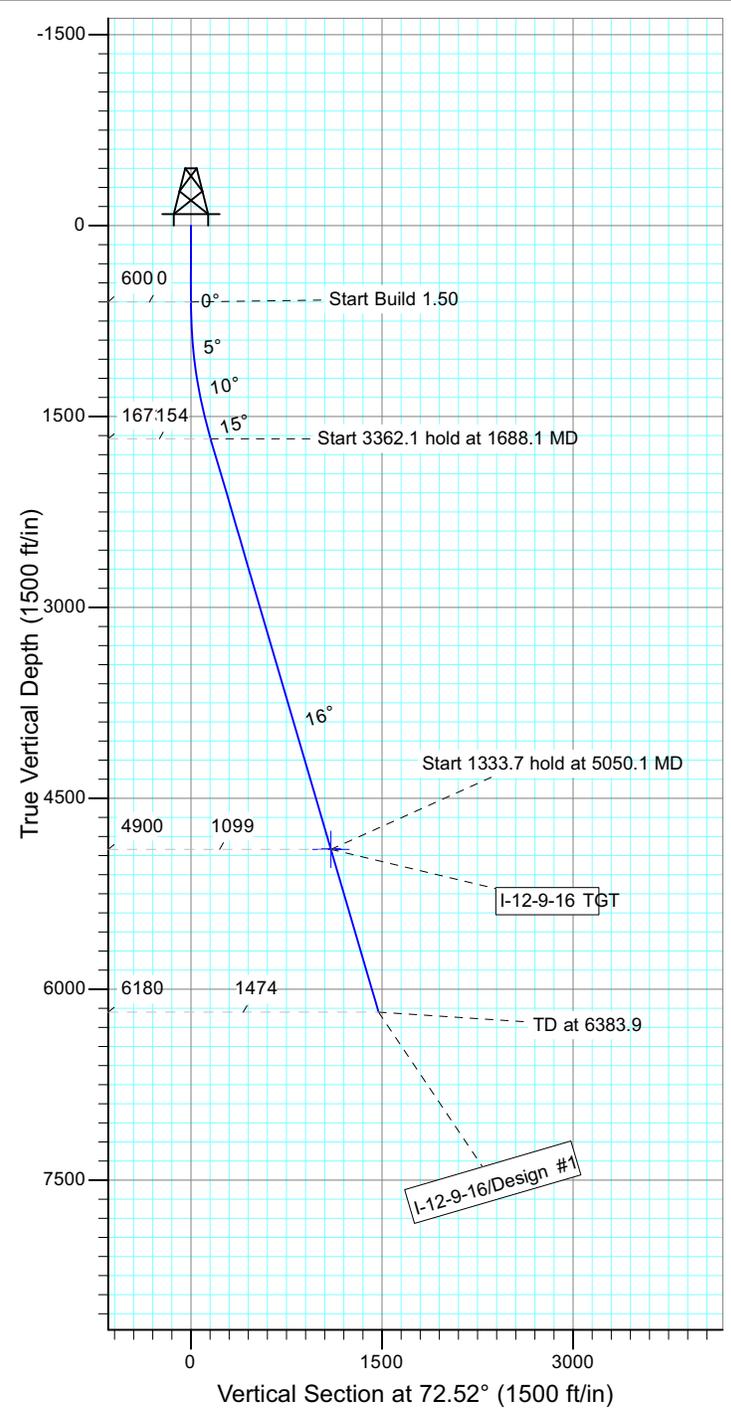
Project: USGS Myton SW (UT)
 Site: SECTION 12 T9, R16
 Well: I-12-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.28°

Magnetic Field
 Strength: 52248.2snT
 Dip Angle: 65.79°
 Date: 2011/09/11
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
I-12-9-16 TGT	4900.0	330.1	1048.0	Circle (Radius: 75.0)

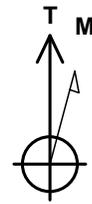
SECTION DETAILS

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	1688.1	16.32	72.52	1673.4	46.2	146.8	1.50	72.52	153.9	
4	5050.1	16.32	72.52	4900.0	330.1	1048.0	0.00	0.00	1098.7	I-12-9-16 TGT
5	6383.9	16.32	72.52	6180.0	442.7	1405.4	0.00	0.00	1473.5	





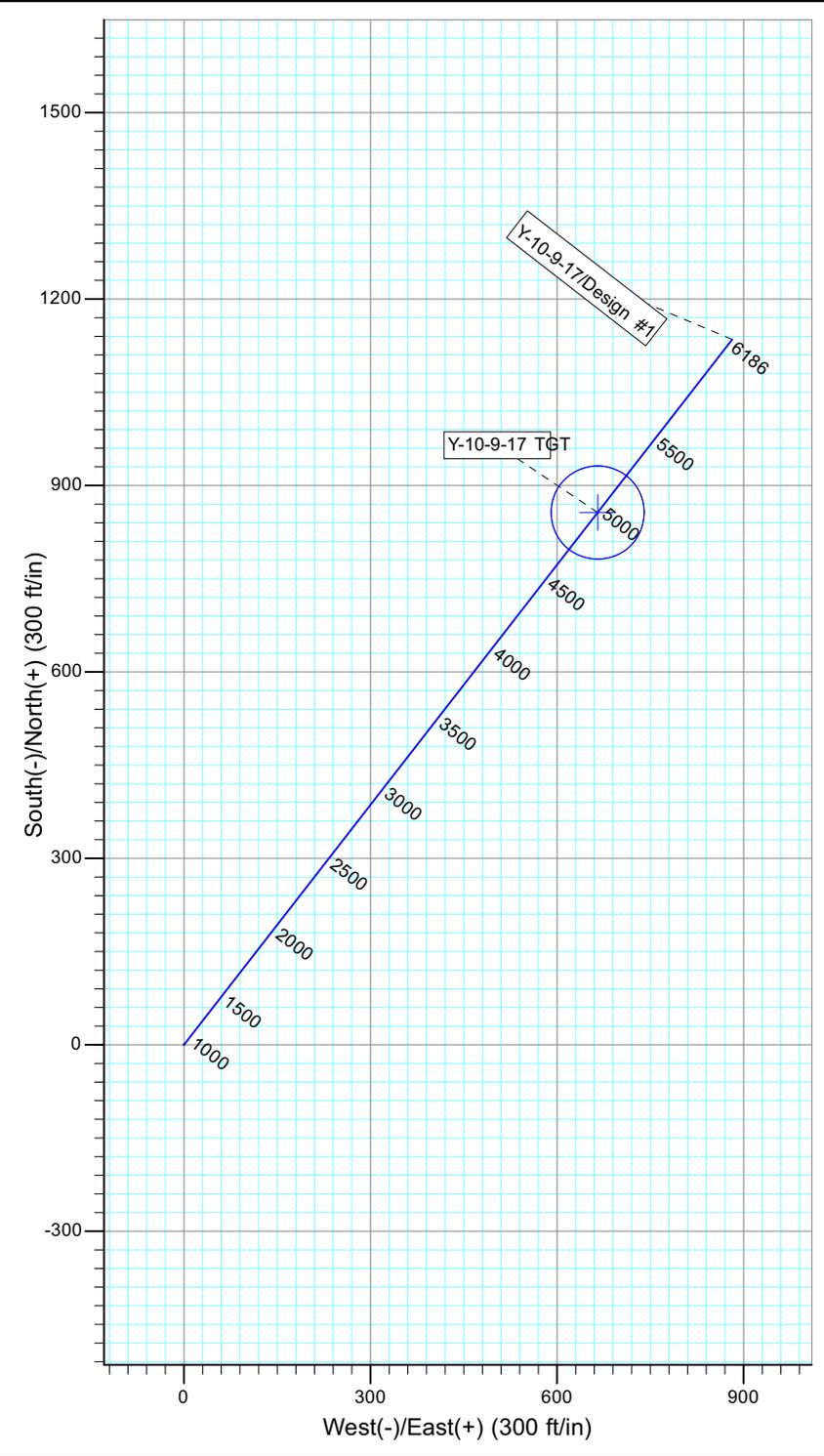
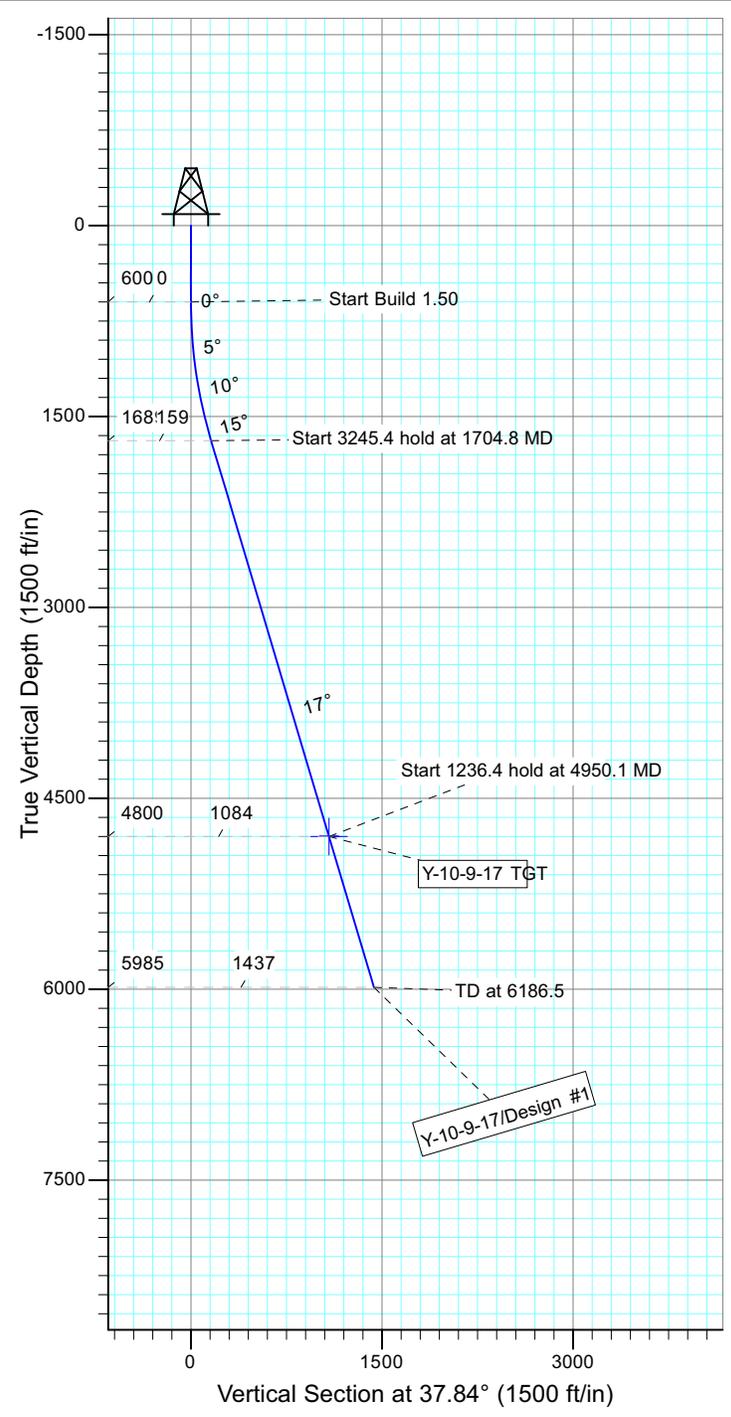
Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: Y-10-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52251.0snT
 Dip Angle: 65.79°
 Date: 2011/09/14
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



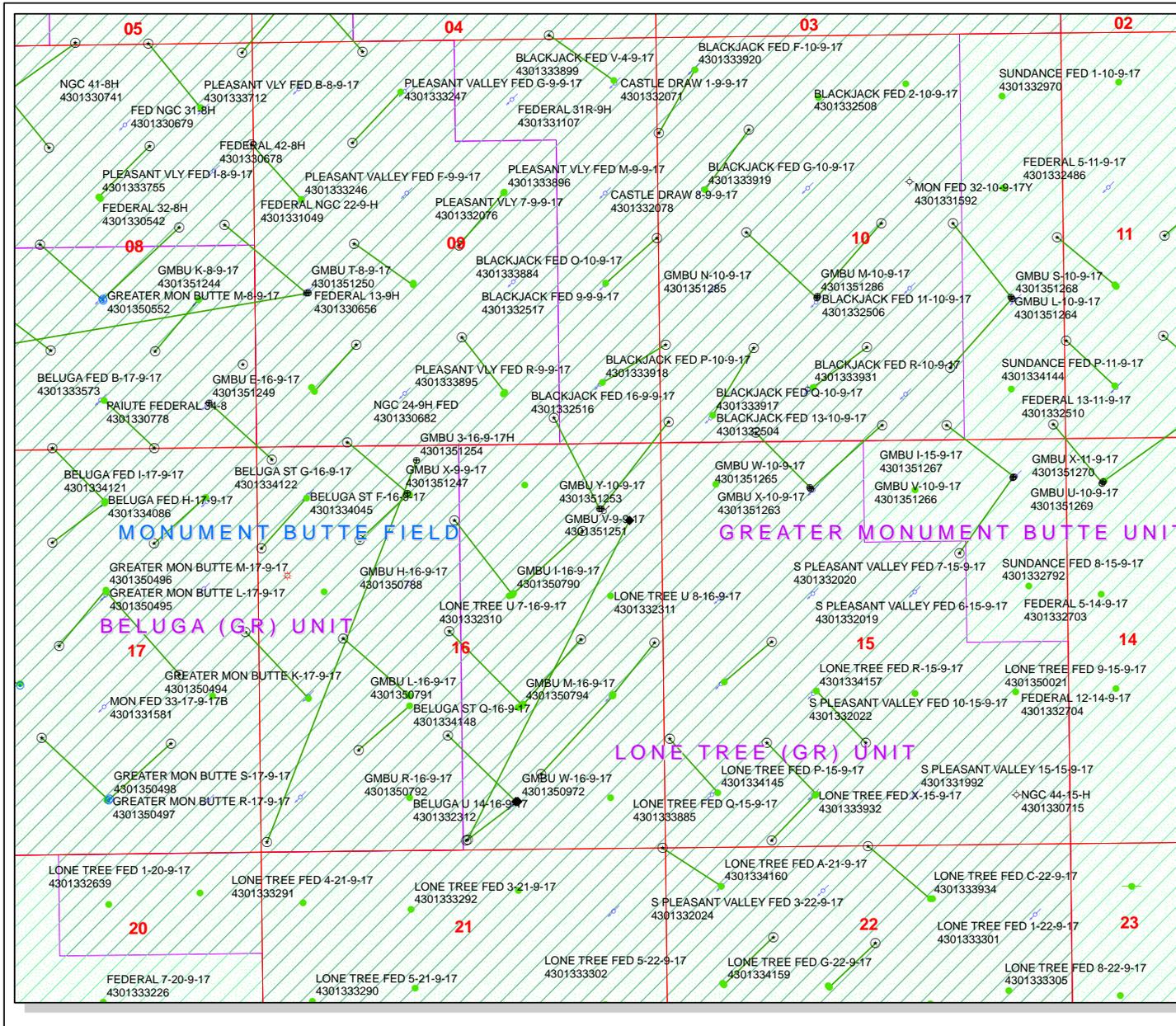
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Y-10-9-17 TGT	4800.0	856.3	665.2	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	1704.8	16.57	37.84	1689.4	125.3	97.3	1.50	37.84	158.7	
4	4950.1	16.57	37.84	4800.0	856.3	665.2	0.00	0.00	1084.3	Y-10-9-17 TGT
5	6186.5	16.57	37.84	5985.0	1134.7	881.5	0.00	0.00	1436.9	

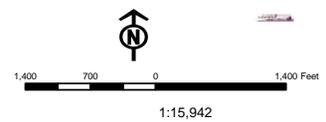




API Number: 4301351253
Well Name: GMBU Y-10-9-17
Township T0.9 . Range R1.7 . Section 16
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

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



From: Jim Davis
To: APD APPROVAL
CC: Jensen, Chris; mcrozier@newfield.com; teaton@newfield.com
Date: 3/22/2012 4:02 PM
Subject: Newfield APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

GMBU X-9-9-17 (4301351247)
GMBU F-36-8-17 (4301351225)
GMBU 3-16-9-17H (4301351254)
GMBU 2-16-9-16H (4301351255)
GMBU 3-32-8-18H (4304752396)
GMBU 1-2-9-18H (4304752397)
GMBU 1-32-8-18H (4304752401)
GMBU 3-36-8-17H (4304752292)
GMBU 3-2-9-18H (4304752291)
GMBU Y-10-9-17 (4301351253)
GMBU V-9-9-17 (4301351251)

Thanks.
-Jim

divert drainages around and away from well pad as needed.

Berm Required? Y

berm location to prevent spills from leaving pad.

Erosion Sedimentation Control Required? N

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

Reserve Pit**Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	40 1 Sensitivity Level

Characteristics / Requirements

dugout earthen exterior to pad dimensions (40x80x8)

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

Other Observations / Comments

Mark Jones
Evaluator

12/8/2011
Date / Time

Application for Permit to Drill Statement of Basis

4/4/2012

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
5358	43013512530000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU Y-10-9-17		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	NENE 16 9S 17E S 877 FNL 770 FEL GPS Coord (UTM) 584896E 4432211N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

4/2/2012
Date / Time

Surface Statement of Basis

The original location is for the State 16-2-9-17 (4301330552). Which is an existing location and wellbore. The well is shut-in currently. The location is semi abandoned and will need to be reworked to allow for the future drilling activities that are planned. 2 proposed new wellbores are planned for this existing pad. The pad will basically remain the same, just be straightened up and leveled up some. No other disturbances are planned beyond the basic existing pad and existing access road. Topography of the immediate and surrounding area is rolling hills and dry wash drainages. The pit shall be lined with a 16 mil (minimum) synthetic liner and maintained through reclamation activities. The pit shall also be fenced upon release of the drill rig to protect wildlife and livestock. Berms shall be used to prevent spills from leaving wellpad. Drainages diversions shall be provided in strategic locations to move runoff away from the well pad and access road.

Mark Jones
Onsite Evaluator

12/8/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/22/2012

API NO. ASSIGNED: 43013512530000

WELL NAME: GMBU Y-10-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NENE 16 090S 170E

Permit Tech Review:

SURFACE: 0877 FNL 0770 FEL

Engineering Review:

BOTTOM: 0245 FSL 0131 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.03585

LONGITUDE: -110.00492

UTM SURF EASTINGS: 584896.00

NORTHINGS: 4432211.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-70821

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 3 - State

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

Commingle 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
5 - Statement of Basis - bhll
15 - Directional - dmason
27 - Other - bhll



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 Y-10-9-17
API Well Number: 43013512530000
Lease Number: UTU-70821
Surface Owner: STATE
Approval Date: 4/4/2012

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.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

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:



For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 23 2012

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU70821
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD PRODUCTION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU Y-10-9-17
3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031		9. API Well No. 43-013-51253
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENE 877FNL 770FEL At proposed prod. zone SWSW 245FSL 131FWL Sec. 10		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 15.7		11. Sec., T., R., M., or Blk. and Survey or Area Sec 16 T9S R17E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 131'		12. County or Parish DUCHESNE
16. No. of Acres in Lease 240.00		13. State UT
17. Spacing Unit dedicated to this well 20.00		18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 624'
19. Proposed Depth 6186 MD 5985 TVD		20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5241 GL		22. Approximate date work will start 07/31/2012
		23. Estimated duration 7 DAYS

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 02/23/2012
--	---	--------------------

Title
REGULATORY ANALYST

Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date AUG 30 2012
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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.

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SEP 10 2012

Additional Operator Remarks (see next page)

Electronic Submission #131451 verified by the BLM Well Information System
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal Field Office
Committed to AFMSS for processing by LESLIE ROBINSON on 02/29/2012

NOTICE OF APPROVAL

UDOGM

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

NO NOS



**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 Y-10-9-17
API No: 43-013-51253

Location: NENE, Sec. 16, T9S, R17E
Lease No: UTU-70821
Agreement: Greater Monument Butte (GR)

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.
- A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
- The well site shall be bermed to prevent fluids from leaving the pad
- Drainages adjacent to the proposed pad shall be diverted around the locations.
- The reserve pit shall be fenced upon completion of drilling operations.

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

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Company shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program," June 24, 2008). 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 in LAS format to BLM_UT_VN_Welllogs@BLM.gov. 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 ($\frac{1}{4}$ $\frac{1}{4}$, 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 432-401-0223
Well Name/Number GMBU Y-10-9-17
Qtr/Qtr NE/NE Section 16 Township 9S Range 17E
Lease Serial Number UTU-70821
API Number 43-013-51253

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

Date/Time 10/6/12 8:00 AM PM

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

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

Date/Time 10/6/12 3:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400	4301351253	GMBU Y-10-9-17	NENE	10	9S	17E	DUCHESNE	10/5/2012	10/24/12
WELL 1 COMMENTS: GRRV BHL: S10 SWSW											
B	99999	17400	4301351251	GMBU V-9-9-17	NENE	10	9S	17E	DUCHESNE	10/6/2012	10/24/12
WELL 1 COMMENTS: GRRV BHL: S9 SWSR											
B	99999	17400	4301351148	GMBU T-9-9-16	SWSW	10	9S	16E	DUCHESNE	10/5/2012	10/24/12
WELL 1 COMMENTS: GRRV BHL: S9 NENE											
B	99999	17400	4301351149	GMBU Q-10-9-16	SWSW	10	9S	16E	DUCHESNE	10/4/2012	10/24/12
WELL 1 COMMENTS: GRRV BHL: NENE											
A	99999	18752	4301351203	4-24-3-2-WH UTE TRIBAL	NWNE	24	3S	2W	DUCHESNE	10/9/2012	10/18/12
WELL 1 COMMENTS: WSTR BHL: SWSW											

CONFIDENTIAL

Tasha Robison
 Signature Tasha Robison

Production Clerk 10/11/12

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

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 Div. of Oil, Gas & Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 10 T9S R17E

5. Lease Serial No.

USA UTU-70821

6. If Indian, Allottee or Tribe Name.

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

GMBU

8. Well Name and No.

GMBU Y-10-9-17

9. API Well No.

4301351253

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10/5/12 MIRU Ross #29. Spud well @8:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 324.12. On 10/8/12 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8 barrels cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Branden Arnold	Title
Signature 	Date 10/08/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

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OCT 26 2012

DIV. OF OIL, GAS & MINING

Casing / Liner Detail

Well GMBU Y-10-9-17
Prospect Monument Butte
Foreman
Run Date:
String Type Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
324.12			10' KB		
10.00	1.42		Wellhead		
11.42	266.05	6	8 5/8 Casing	8.625	
277.47	45.75	1	Shoe Joint	8.625	
323.22	0.90		Guide Shoe		
324.12			-		

Cement Detail

Cement Company: BJ

Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Description - Slurry Class and Additives
Slurry 1	160	15.8	1.17	187.2	Class G+2%kcl+.25#CF

Job-In-Job? No PIT: 0 Initial Circulation Pressure: Initial Circulation Rate: Final Circulation Pressure: Final Circulation Rate: Displacement Fluid: Water Displacement Rate: Displacement Volume: 17 Mud Returns: Centralizer Type And Placement: Middle of first, top of second and third for a total of three.	Cement To Surface? Yes Est. Top of Cement: 0 Plugs Bumped? Yes Pressure Plugs Bumped: 458 Floats Holding? No Casing Stuck On / Off Bottom? No Casing Reciprocated? No Casing Rotated? No CIP: 9:44 Casing Wt Prior To Cement: Casing Weight Set On Slips:
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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-70821	
		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 Y-10-9-17	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013512530000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0877 FNL 0770 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 16 Township: 09.0S Range: 17.0E 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"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/21/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The above well was placed on production on 01/21/2013 at 15:00 hours.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 19, 2013			
NAME (PLEASE PRINT) Jennifer Peatross		PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A		DATE 2/15/2013	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
ML-3453B (UTU-87538X)

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

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

7. Unit or CA Agreement Name and No.
GMBU (GRRV)

3. Address 1401 17TH ST, SUITE 1000 DENVER, CO 80202 3a. Phone No. (include area code) (435) 646-3721

8. Lease Name and Well No.
GMBU Y-10-9-17

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

9. AFI Well No.
43-013-51253

At surface 877' FNL & 770' FEL (NE/NE) SEC. 16, T9S, R17E (ML-3453B)
 At top prod. interval reported below 21' FNL & 103' FEL (NE/NE) SEC. 16, T9S, R17E (ML-3453B)
 At total depth 232' FSL & 112' FWL (SW/SW) SEC. 10, T9S, R17E (UTU-70821)

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area
SEC. 16, T9S, R17E

12. County or Parish DUCHESNE 13. State UT

14. Date Spudded 10/05/2012 15. Date T.D. Reached 10/15/2012 16. Date Completed 01/21/2013
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5241' GL 5251' KB

18. Total Depth: MD 6110' TVD 5913' 19. Plug Back T.D.: MD 6057' TVD 5863' 20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	324'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6100'		240 PRIMLITE		42'	
						440 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5888'	TA @ 5790'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4884' MD	5843' MD	4884-5843' MD	0.34"	63	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4884-5843' MD	Frac w/ 170644#s 20/40 white sand in 1331 bbls of Lightning 17 fluid, in 4 stages.

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APR 11 2013

DIV. OF OIL, GAS & MINING

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
1/26/13	2/5/13	24	→	114	51	.28			2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

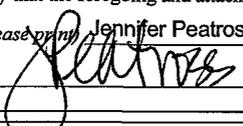
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3603' 3802'
				GARDEN GULCH 2 POINT 3	3918' 4184'
				X MRKR Y MRKR	4444' 4485'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4615' 4870'
				B LIMESTONE MRK CASTLE PEAK	5005' 5455'
				BASAL CARBONATE	5909'

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) Jennifer Peatross Title Production Technician
 Signature  Date 03/07/2013

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 EXPLORATION

**USGS Myton SW (UT)
SECTION 16 T9S, R17E
Y-10-9-17**

Wellbore #1

Design: Wellbore #1

Standard Survey Report

14 January, 2013





Payzone Directional

Survey Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well Y-10-9-17
Project:	USGS Myton SW (UT)	TVD Reference:	Y-10-9-17 @ 5253.0ft (NDSI SS #2)
Site:	SECTION 16 T9S, R17E	MD Reference:	Y-10-9-17 @ 5253.0ft (NDSI SS #2)
Well:	Y-10-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 16 T9S, R17E, SEC 16 T9S, R17E				
Site Position:		Northing:	7,183,439.74 ft	Latitude:	40° 1' 51.237 N
From:	Lat/Long	Easting:	2,056,769.95 ft	Longitude:	110° 0' 46.831 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.95 °

Well	Y-10-9-17, SHL LAT: 40 02 08.89 LONG: -110 00 17.73					
Well Position	+N/-S	0.0 ft	Northing:	7,185,263.36 ft	Latitude:	40° 2' 8.890 N
	+E/-W	0.0 ft	Easting:	2,059,003.25 ft	Longitude:	110° 0' 17.730 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,253.0 ft	Ground Level:	5,241.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/14/2011	11.26	65.79	52,251

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	37.84	

Survey Program	Date 1/14/2013				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
346.0	6,110.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
346.0	0.80	177.30	346.0	-2.4	0.1	-1.8	0.23	0.23	0.00
376.0	0.60	163.90	376.0	-2.8	0.2	-2.1	0.86	-0.67	-44.67
407.0	0.30	137.70	407.0	-3.0	0.3	-2.2	1.15	-0.97	-84.52
438.0	0.70	29.70	438.0	-2.9	0.4	-2.0	2.72	1.29	-348.39
468.0	1.45	31.75	468.0	-2.4	0.7	-1.5	2.50	2.50	6.83
498.0	2.05	39.20	498.0	-1.7	1.2	-0.6	2.13	2.00	24.83
529.0	2.80	45.00	528.9	-0.7	2.1	0.8	2.54	2.42	18.71
559.0	3.00	45.70	558.9	0.4	3.2	2.3	0.68	0.67	2.33
589.0	3.10	46.80	588.9	1.5	4.4	3.8	0.39	0.33	3.67
620.0	3.60	46.60	619.8	2.7	5.7	5.6	1.61	1.61	-0.65
650.0	4.20	40.30	649.7	4.2	7.1	7.7	2.45	2.00	-21.00
681.0	4.70	39.00	680.6	6.1	8.6	10.1	1.65	1.61	-4.19



Payzone Directional

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: Y-10-9-17
 Wellbore: Wellbore #1
 Design: Wellbore #1

Local Co-ordinate Reference: Well Y-10-9-17
 TVD Reference: Y-10-9-17 @ 5253.0ft (NDSI SS #2)
 MD Reference: Y-10-9-17 @ 5253.0ft (NDSI SS #2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
711.0	4.80	39.90	710.5	8.0	10.2	12.5	0.42	0.33	3.00
742.0	5.00	35.30	741.4	10.1	11.8	15.2	1.42	0.65	-14.84
772.0	5.10	40.40	771.3	12.1	13.4	17.8	1.53	0.33	17.00
803.0	5.40	42.00	802.2	14.3	15.3	20.7	1.08	0.97	5.16
833.0	5.70	44.00	832.0	16.4	17.3	23.5	1.19	1.00	6.67
864.0	6.30	41.40	862.9	18.8	19.5	26.8	2.12	1.94	-8.39
894.0	6.60	41.50	892.7	21.3	21.7	30.1	1.00	1.00	0.33
924.0	6.90	40.50	922.5	24.0	24.0	33.7	1.07	1.00	-3.33
955.0	7.30	40.90	953.2	26.9	26.5	37.5	1.30	1.29	1.29
986.0	7.40	40.70	984.0	29.9	29.1	41.4	0.33	0.32	-0.65
1,016.0	7.90	39.60	1,013.7	32.9	31.7	45.4	1.74	1.67	-3.67
1,060.0	8.60	36.30	1,057.3	37.9	35.5	51.7	1.92	1.59	-7.50
1,104.0	9.30	36.40	1,100.7	43.4	39.6	58.6	1.59	1.59	0.23
1,148.0	9.80	36.80	1,144.1	49.3	44.0	65.9	1.15	1.14	0.91
1,191.0	10.10	36.80	1,186.5	55.2	48.4	73.3	0.70	0.70	0.00
1,235.0	10.50	36.30	1,229.8	61.6	53.1	81.2	0.93	0.91	-1.14
1,279.0	10.80	35.80	1,273.0	68.1	57.9	89.3	0.71	0.68	-1.14
1,323.0	10.70	37.10	1,316.2	74.7	62.8	97.5	0.60	-0.23	2.95
1,366.0	11.00	36.60	1,358.5	81.2	67.6	105.6	0.73	0.70	-1.16
1,410.0	11.30	35.50	1,401.6	88.1	72.6	114.1	0.84	0.68	-2.50
1,454.0	10.90	34.60	1,444.8	95.0	77.5	122.6	0.99	-0.91	-2.05
1,498.0	10.80	35.40	1,488.0	101.8	82.2	130.8	0.41	-0.23	1.82
1,541.0	11.10	36.20	1,530.2	108.4	87.0	139.0	0.78	0.70	1.86
1,585.0	11.30	37.90	1,573.4	115.3	92.2	147.6	0.88	0.45	3.86
1,629.0	12.00	35.70	1,616.5	122.4	97.5	156.4	1.88	1.59	-5.00
1,673.0	12.10	31.90	1,659.5	130.0	102.6	165.6	1.82	0.23	-8.64
1,716.0	12.20	33.40	1,701.6	137.6	107.5	174.6	0.77	0.23	3.49
1,760.0	12.40	36.40	1,744.5	145.3	112.8	184.0	1.52	0.45	6.82
1,804.0	13.20	37.70	1,787.5	153.1	118.7	193.7	1.93	1.82	2.95
1,848.0	14.30	36.90	1,830.2	161.4	125.0	204.2	2.54	2.50	-1.82
1,892.0	14.50	39.80	1,872.8	170.0	131.8	215.1	1.70	0.45	6.59
1,935.0	14.80	41.80	1,914.4	178.2	138.9	226.0	1.37	0.70	4.65
1,979.0	15.40	43.70	1,956.9	186.6	146.7	237.4	1.77	1.36	4.32
2,023.0	16.50	40.30	1,999.2	195.6	154.8	249.4	3.28	2.50	-7.73
2,067.0	17.00	37.90	2,041.3	205.5	162.8	262.1	1.94	1.14	-5.45
2,110.0	17.90	36.00	2,082.4	215.8	170.5	275.0	2.48	2.09	-4.42
2,154.0	18.30	35.80	2,124.2	226.8	178.5	288.7	0.92	0.91	-0.45
2,198.0	18.40	34.90	2,165.9	238.1	186.6	302.5	0.68	0.23	-2.05
2,242.0	18.50	35.90	2,207.7	249.5	194.6	316.4	0.75	0.23	2.27
2,285.0	18.10	36.70	2,248.5	260.4	202.6	329.9	1.10	-0.93	1.86
2,329.0	17.80	35.30	2,290.4	271.3	210.6	343.5	1.19	-0.68	-3.18
2,373.0	17.70	35.30	2,332.3	282.3	218.3	356.9	0.23	-0.23	0.00
2,417.0	17.30	34.90	2,374.2	293.1	225.9	370.1	0.95	-0.91	-0.91
2,460.0	16.50	34.80	2,415.4	303.4	233.1	382.6	1.86	-1.86	-0.23
2,504.0	16.10	36.10	2,457.6	313.4	240.3	394.9	1.23	-0.91	2.95
2,548.0	16.00	35.50	2,499.9	323.3	247.4	407.1	0.44	-0.23	-1.36
2,592.0	16.25	36.50	2,542.2	333.2	254.6	419.3	0.85	0.57	2.27
2,636.0	17.30	38.20	2,584.3	343.3	262.3	432.0	2.63	2.39	3.86
2,680.0	18.45	38.50	2,626.2	353.9	270.6	445.5	2.62	2.61	0.68
2,723.0	18.90	39.38	2,666.9	364.6	279.3	459.2	1.23	1.05	2.05
2,767.0	18.50	40.40	2,708.6	375.4	288.3	473.3	1.17	-0.91	2.32
2,811.0	18.50	39.00	2,750.3	386.1	297.3	487.3	1.01	0.00	-3.18
2,855.0	19.30	37.80	2,791.9	397.3	306.1	501.5	2.02	1.82	-2.73
2,899.0	20.85	36.80	2,833.3	409.3	315.3	516.6	3.61	3.52	-2.27



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 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,943.0	19.55	35.30	2,874.5	421.6	324.2	531.8	3.18	-2.95	-3.41
2,986.0	18.90	35.30	2,915.1	433.1	332.4	546.0	1.51	-1.51	0.00
3,030.0	19.50	37.00	2,956.7	444.8	340.9	560.4	1.86	1.36	3.86
3,073.0	19.80	38.46	2,997.2	456.3	349.8	574.9	1.34	0.70	3.40
3,117.0	19.60	39.00	3,038.6	467.8	359.0	589.7	0.61	-0.45	1.23
3,161.0	19.30	39.30	3,080.1	479.2	368.3	604.4	0.72	-0.68	0.68
3,205.0	18.70	38.37	3,121.7	490.4	377.3	618.7	1.53	-1.36	-2.11
3,249.0	18.19	39.38	3,163.5	501.2	386.0	632.6	1.37	-1.16	2.30
3,293.0	18.10	38.40	3,205.3	511.9	394.6	646.3	0.72	-0.20	-2.23
3,336.0	18.10	38.50	3,246.1	522.3	402.9	659.7	0.07	0.00	0.23
3,380.0	17.70	37.60	3,288.0	533.0	411.3	673.2	1.11	-0.91	-2.05
3,424.0	17.14	36.40	3,330.0	543.5	419.2	686.4	1.51	-1.27	-2.73
3,468.0	16.90	36.70	3,372.1	553.8	426.9	699.2	0.58	-0.55	0.68
3,511.0	16.40	35.30	3,413.3	563.8	434.1	711.6	1.49	-1.16	-3.26
3,555.0	16.40	35.60	3,455.5	573.9	441.3	724.0	0.19	0.00	0.68
3,599.0	15.50	34.20	3,497.8	583.8	448.2	736.0	2.22	-2.05	-3.18
3,643.0	15.50	34.00	3,540.2	593.6	454.8	747.8	0.12	0.00	-0.45
3,686.0	15.40	31.30	3,581.6	603.2	461.0	759.2	1.69	-0.23	-6.28
3,730.0	15.34	30.80	3,624.0	613.2	467.0	770.8	0.33	-0.14	-1.14
3,774.0	15.00	33.20	3,666.5	623.0	473.1	782.2	1.62	-0.77	5.45
3,818.0	14.70	33.80	3,709.0	632.4	479.3	793.5	0.77	-0.68	1.36
3,861.0	14.90	35.70	3,750.6	641.4	485.6	804.4	1.22	0.47	4.42
3,905.0	15.30	37.20	3,793.1	650.6	492.4	815.9	1.27	0.91	3.41
3,949.0	16.00	37.30	3,835.5	660.1	499.6	827.7	1.59	1.59	0.23
3,993.0	16.00	38.30	3,877.8	669.6	507.0	839.9	0.63	0.00	2.27
4,037.0	15.50	40.00	3,920.1	678.9	514.6	851.8	1.55	-1.14	3.86
4,080.0	15.20	41.40	3,961.6	687.5	522.0	863.2	1.11	-0.70	3.26
4,124.0	15.00	44.20	4,004.1	695.9	529.8	874.6	1.72	-0.45	6.36
4,168.0	15.50	45.10	4,046.5	704.2	537.9	886.1	1.26	1.14	2.05
4,212.0	16.10	45.30	4,088.8	712.6	546.4	898.0	1.37	1.36	0.45
4,256.0	16.00	43.50	4,131.1	721.3	554.9	910.1	1.15	-0.23	-4.09
4,299.0	15.80	40.00	4,172.5	730.1	562.8	921.8	2.28	-0.47	-8.14
4,343.0	16.30	38.00	4,214.8	739.5	570.4	934.0	1.69	1.14	-4.55
4,387.0	16.80	38.90	4,256.9	749.4	578.2	946.5	1.28	1.14	2.05
4,431.0	16.80	38.90	4,299.1	759.3	586.2	959.2	0.00	0.00	0.00
4,475.0	17.50	39.80	4,341.1	769.3	594.4	972.2	1.70	1.59	2.05
4,519.0	17.80	40.90	4,383.0	779.5	603.1	985.5	1.02	0.68	2.50
4,562.0	17.20	40.00	4,424.1	789.3	611.4	998.4	1.53	-1.40	-2.09
4,606.0	15.90	39.80	4,466.2	798.9	619.5	1,010.9	2.96	-2.95	-0.45
4,650.0	16.00	39.80	4,508.5	808.2	627.2	1,023.0	0.23	0.23	0.00
4,694.0	16.20	41.20	4,550.8	817.5	635.2	1,035.2	0.99	0.45	3.18
4,738.0	17.10	42.20	4,593.0	826.9	643.5	1,047.8	2.15	2.05	2.27
4,782.0	17.30	40.30	4,635.0	836.7	652.1	1,060.8	1.36	0.45	-4.32
4,825.0	16.60	37.50	4,676.1	846.4	660.0	1,073.3	2.50	-1.63	-6.51
4,869.0	15.90	36.40	4,718.4	856.3	667.4	1,085.6	1.74	-1.59	-2.50
4,913.0	15.90	37.80	4,760.7	865.9	674.7	1,097.7	0.87	0.00	3.18
4,947.2	15.67	37.18	4,793.6	873.2	680.3	1,107.0	0.84	-0.68	-1.81
Y-10-9-17 TGT									
4,957.0	15.60	37.00	4,803.0	875.4	681.9	1,109.6	0.84	-0.68	-1.84
5,001.0	15.60	35.30	4,845.4	884.9	688.9	1,121.4	1.04	0.00	-3.86
5,045.0	15.20	34.90	4,887.8	894.5	695.6	1,133.1	0.94	-0.91	-0.91
5,089.0	14.70	36.80	4,930.3	903.7	702.3	1,144.5	1.59	-1.14	4.32
5,133.0	14.80	36.00	4,972.9	912.7	708.9	1,155.7	0.52	0.23	-1.82
5,177.0	15.10	36.70	5,015.4	921.8	715.6	1,167.0	0.80	0.68	1.59



Payzone Directional

Survey Report



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 North Reference: True
 Survey Calculation Method: Minimum Curvature
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Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,220.0	14.50	39.10	5,057.0	930.5	722.4	1,178.0	1.99	-1.40	5.58
5,264.0	14.20	37.70	5,099.6	939.0	729.2	1,188.9	1.04	-0.68	-3.18
5,308.0	14.20	36.00	5,142.3	947.7	735.6	1,199.7	0.95	0.00	-3.86
5,352.0	13.50	36.40	5,185.0	956.2	741.8	1,210.2	1.61	-1.59	0.91
5,396.0	13.20	34.20	5,227.8	964.5	747.7	1,220.4	1.34	-0.68	-5.00
5,439.0	12.80	34.90	5,269.7	972.4	753.2	1,230.0	1.00	-0.93	1.63
5,483.0	13.45	38.70	5,312.5	980.4	759.2	1,240.0	2.45	1.48	8.64
5,527.0	15.10	39.40	5,355.2	988.8	766.0	1,250.8	3.77	3.75	1.59
5,571.0	16.00	43.16	5,397.6	997.7	773.8	1,262.6	3.07	2.05	8.55
5,614.0	16.57	43.90	5,438.8	1,006.4	782.1	1,274.6	1.41	1.33	1.72
5,658.0	16.60	43.00	5,481.0	1,015.6	790.8	1,287.1	0.59	0.07	-2.05
5,702.0	16.40	42.80	5,523.2	1,024.7	799.3	1,299.6	0.47	-0.45	-0.45
5,746.0	16.70	41.90	5,565.4	1,034.0	807.7	1,312.1	0.90	0.68	-2.05
5,789.0	16.90	42.80	5,606.5	1,043.2	816.1	1,324.4	0.76	0.47	2.09
5,833.0	17.20	43.90	5,648.6	1,052.5	824.9	1,337.3	1.00	0.68	2.50
5,877.0	17.20	45.90	5,690.6	1,061.8	834.1	1,350.2	1.34	0.00	4.55
5,921.0	17.00	49.10	5,732.7	1,070.5	843.7	1,362.9	2.19	-0.45	7.27
5,965.0	17.30	48.30	5,774.7	1,079.1	853.4	1,375.7	0.87	0.68	-1.82
6,008.0	17.20	44.70	5,815.8	1,087.8	862.6	1,388.3	2.49	-0.23	-8.37
6,052.0	16.20	42.20	5,858.0	1,097.0	871.3	1,400.9	2.80	-2.27	-5.68
6,056.0	16.20	42.40	5,861.8	1,097.8	872.1	1,402.0	1.39	0.00	5.00
6,110.0	16.20	42.40	5,913.7	1,109.0	882.3	1,417.0	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

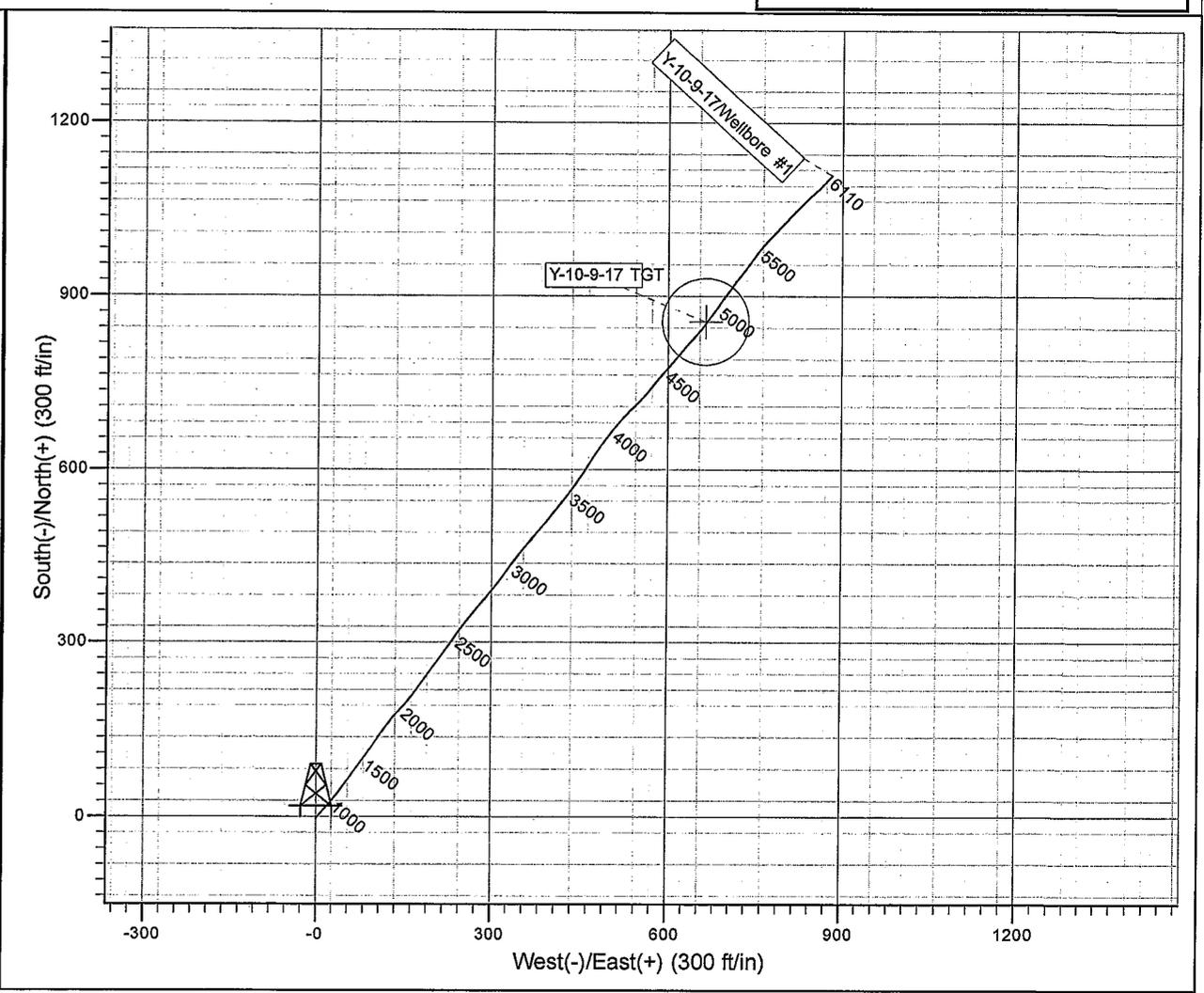
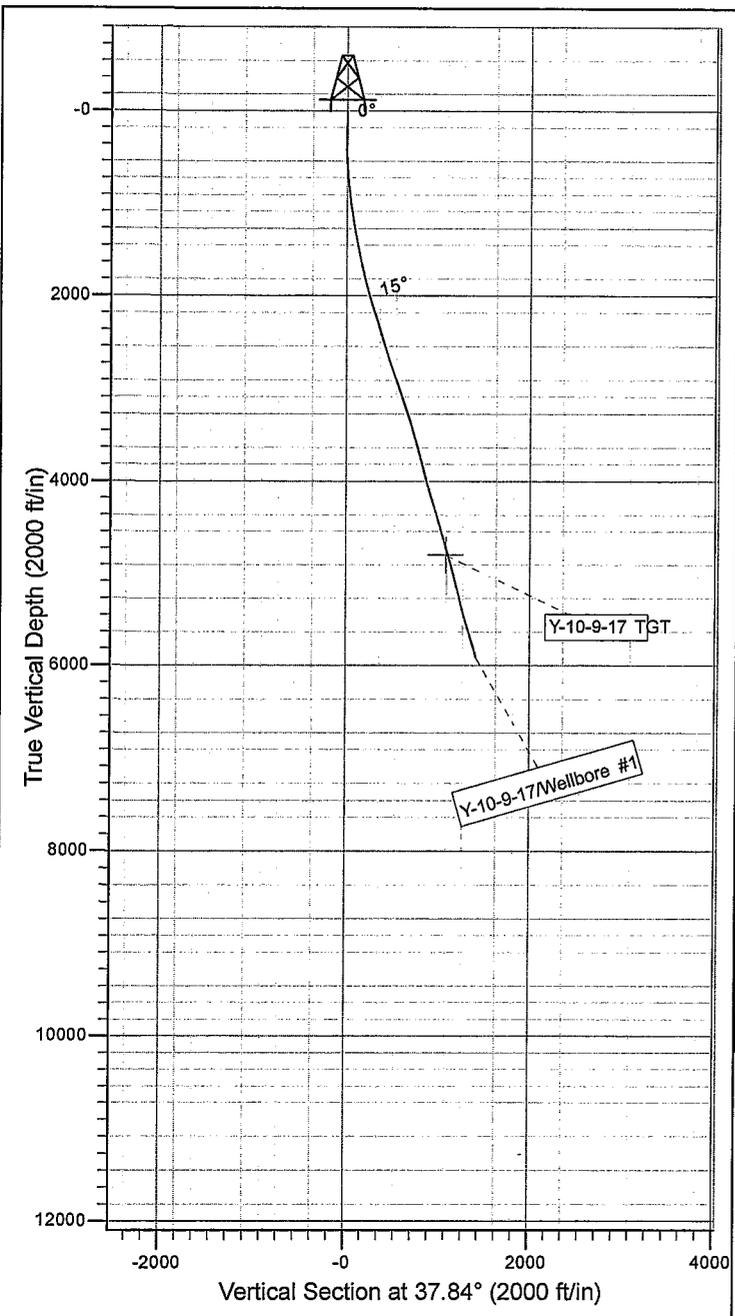
NEWFIELD



Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: Y-10-9-17
 Wellbore: Wellbore #1
 Design: Wellbore #1

Azimuths to True North
 Magnetic North: 11.26°

Magnetic Field
 Strength: 52251.0snT
 Dip Angle: 65.79°
 Date: 9/14/2011
 Model: IGRF2010



Design: Wellbore #1 (Y-10-9-17/Wellbore #1)

Created By: Sarah Webb Date: 11:58, January 14 2013

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

Daily Activity Report

Format For Sundry

GMBU Y-10-9-17

11/1/2012 To 3/28/2013

1/4/2013 Day: 1

Completion

Rigless on 1/4/2013 - MIRU Rockwater FB equipment. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU Rockwater FB equipment. Flange up to the casing valve and RU FB to the pit.

Daily Cost: \$0

Cumulative Cost: \$11,901

1/7/2013 Day: 2

Completion

Rigless on 1/7/2013 - Run CBL, test csg and BOPs. Perf stg 1. RPT 2 RESENT TO FIX TANGIBLE COST - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU Extreme WLT w/ Crane & run CBL. WLTD 6020' & cement top @ 42'. RU 4G pressure tester. - Fill casing with pressure test unit, Test csg, bottom of frac vlv and outside csg vlvs 250 low for 5 min. and 4300 for 30 min. Test bottom of blind rams, outside casing valve and low torque vlv for flowback to 250 low for 5 min. and 4300 for 10 min. PU and MU WL packoff and test to 1000#. RIH and perforate stage #1, CP5 sds @ (5703'-05'), & (5710-11'), & CP4 sds @ (5834'-36') & (5841'-43') w/ 3 1/8" Disposable guns (16 gram .34" EH 22" pen w/120 degree phasing) w/ 3 spf for total of 21 shots. RD Pressure test unit & Extreme WLT & crane. Wait on frac crew

Daily Cost: \$0

Cumulative Cost: \$47,823

1/10/2013 Day: 4

Completion

Rigless on 1/10/2013 - Frac stgs 3-4. Flowback well to pit. FB 465 BW. 1161.8 BWTR. RIH to set KP @ 4810'. Pulled out of ropsocket. BD well and RD frac crew and WLT. - 4th Stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open Well @ 1468 psi. Break Down B.5 Perfs (18 holes) @ 3785 psi w/1.8 bbls fresh water, @ 2.8 BPM, Pump 61.5 bbls Pad, 71.6 BBls 1# to 4# 20/40 Sand (Ramped) 159.1 BBls 4# to 6# 20/40 Sand (ramped), 30.3 bbls 6# 20/40 Sand (hold), 114.6 BBls fresh water flush. ISIP 1799 psi FG.80, Max Press 3560 psi, Avg Press 3313 psi, Max Rate 32 BPM, Avg Rate 27.4 BPM. 40687# 20/40 white sand in formation, 405.9 Total BBls Pumped; 1626.8 bbls to recover. - Waiting on frac crew. Baker Hughes TMV broke down in Vernal. MIRU Extreme Wireline. - Waiting on frac crew. Baker Hughes TMV broke down in Vernal. MIRU Extreme Wireline. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU Baker Hughes Frac equipment. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU Baker Hughes Frac equipment. - 1st Stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open Well @ 68 psi. Break Down CP5 and CP4 Perfs (21 holes) @ 2300 psi W/7.5 bbls fresh water, @ 7.3 BPM, Pump 10 BBls fresh water to get IR: 7.3 BPM @ 2415 psi. Pump 147.9 bbls Pad, 106 BBls 1# to 4# 20/40 Sand (Ramped) 239.4 BBls 4# to 6# 20/40 Sand (ramped), 45.4 bbls 6# 20/40 Sand (hold), 12 bbls 15% HCL, 137.7 BBls fresh water flush. ISIP 1841 psi FG.75. Max Press 2528 psi, Avg Press 2412 psi, Max Rate 36.9 BPM, Avg Rate 36 BPM, 60,283# 20/40 White sand in Formation, 631.7 Total BBls Pumped; 769.4 bbls to recover. - 1st Stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open Well @ 68 psi. Break Down CP5 and CP4 Perfs (21 holes) @ 2300 psi W/7.5 bbls fresh water, @ 7.3 BPM, Pump 10 BBls fresh water to get IR: 7.3 BPM @ 2415 psi. Pump 147.9 bbls Pad, 106 BBls 1# to 4# 20/40 Sand (Ramped) 239.4 BBls 4# to 6# 20/40 Sand

(ramped), 45.4 bbls 6# 20/40 Sand (hold), 12 bbls 15% HCL, 137.7 BBls fresh water flush. ISIP 1841 psi FG.75. Max Press 2528 psi, Avg Press 2412 psi, Max Rate 36.9 BPM, Avg Rate 36 BPM, 60,283# 20/40 White sand in Formation, 631.7 Total BBls Pumped; 769.4 bbls to recover. - RU WL Press test lubricator to 5000psi. Open well @ 1429 psi RIH W/ CFTP & 3-1/8" disposable guns 3SPF. Set CFT Plug @ 5640' Perforate the CP2 and CP1 formation @ 5564-66', 5526-28', 5506-07', (15 holes) PPOH. CWI and hand over to frac crew. - RU WL Press test lubricator to 5000psi. Open well @ 1429 psi RIH W/ CFTP & 3-1/8" disposable guns 3SPF. Set CFT Plug @ 5640' Perforate the CP2 and CP1 formation @ 5564-66', 5526-28', 5506-07', (15 holes) PPOH. CWI and hand over to frac crew. - 2st Stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open Well @ 1318 psi. Break Down CP2 and CP1 Perfs (15 holes) @ 3640 psi w/1.8 bbls fresh water, @ 3 BPM, Pump 64.3 bbls Pad, 84.8 BBls 1# to 4# 20/40 Sand (Ramped) 221.9 BBls 4# to 6# 20/40 Sand (ramped), 45.4 bbls 6# 20/40 Sand (hold), 12 bbls 15% HCL, 129.9 BBls fresh water flush. ISIP 1637 psi FG.73, Max Press 2491 psi, Avg Press 2210 psi, Max Rate 30.8 BPM, Avg Rate 28.3 BPM. 55210# 20/40 white sand in formation, 451.5 Total BBls Pumped; 1220.9 bbls to recover. - 2st Stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open Well @ 1318 psi. Break Down CP2 and CP1 Perfs (15 holes) @ 3640 psi w/1.8 bbls fresh water, @ 3 BPM, Pump 64.3 bbls Pad, 84.8 BBls 1# to 4# 20/40 Sand (Ramped) 221.9 BBls 4# to 6# 20/40 Sand (ramped), 45.4 bbls 6# 20/40 Sand (hold), 12 bbls 15% HCL, 129.9 BBls fresh water flush. ISIP 1637 psi FG.73, Max Press 2491 psi, Avg Press 2210 psi, Max Rate 30.8 BPM, Avg Rate 28.3 BPM. 55210# 20/40 white sand in formation, 451.5 Total BBls Pumped; 1220.9 bbls to recover. - RU WL Press test lubricator to 5000psi. Open well @ 1440 psi RIH W/ CFTP & 3-1/8" disposable guns 3SPF. Set CFT Plug @ 5270' Perforate the A3 formation @ 5188-91' (6 holes) PPOH. SWIFN, tarp up and leave location. RNI will deliver 600 bbls and one hot oiler will be reheating water over night. - RU WL Press test lubricator to 5000psi. Open well @ 1440 psi RIH W/ CFTP & 3-1/8" disposable guns 3SPF. Set CFT Plug @ 5270' Perforate the A3 formation @ 5188-91' (6 holes) PPOH. SWIFN, tarp up and leave location. RNI will deliver 600 bbls and one hot oiler will be reheating water over night. - Baker Hughes arrived on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. Have a safety shutdown to discuss safe work practices in extreme conditions and to review NFX recent accidents and preventions. - Baker Hughes arrived on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. Have a safety shutdown to discuss safe work practices in extreme conditions and to review NFX recent accidents and preventions. - 3rd stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open well @ 930 psi. Break down A-3 Perfs (9 holes) @ 2592 psi w/4.4 bbls fresh water, @ 3.2 BPM, Pump 132.6 bbls Pad, 31.8 BBls 1# to 4# 20/40 Sand (Ramped) 70.1 BBls 4# to 6# 20/40 Sand (ramped), 12 bbls 15% HCL, 123.1 BBls fresh water flush. ISIP 1666 psi FG.75, Max Press 2624 psi, Avg Press 2486 psi, Max Rate 21.6 BPM, Avg Rate 21.2 BPM. 14464# 20/40 white sand in formation, 348 Total BBls Pumped; 1568.9 bbls to recover. - RU WL Press test lubricator to 5000psi. Open well @ 75 psi RIH W/ 5.5" kill plug. Set Set KP @ 4810'. Waited for plug to set and pulled out of rope socket possibly set in sand. Consulted engineering. Fishing neck is 18" long and 3-1/8" OD. BO well and POOH. CWI RDMO WLT. - RU WL Press test lubricator to 5000psi. Open well @ 75 psi RIH W/ 5.5" kill plug. Set Set KP @ 4810'. Waited for plug to set and pulled out of rope socket possibly set in sand. Consulted engineering. Fishing neck is 18" long and 3-1/8" OD. BO well and POOH. CWI RDMO WLT. - Open Well @ 1500 PSI Flow back To Pit @ 3BPM Flowed back 465 bbls trace of oil CWI @ 4pm WTR 1161.8 bbls. - Open Well @ 1500 PSI Flow back To Pit @ 3BPM Flowed back 465 bbls trace of oil CWI @ 4pm WTR 1161.8 bbls. - 4th Stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open Well @ 1468 psi. Break Down B.5 Perfs (18 holes) @ 3785 psi w/1.8 bbls fresh water, @ 2.8 BPM, Pump 61.5 bbls Pad, 71.6 BBls 1# to 4# 20/40 Sand (Ramped) 159.1 BBls 4# to 6# 20/40 Sand (ramped), 30.3 bbls 6# 20/40 Sand (hold), 114.6 BBls fresh water flush. ISIP 1799 psi FG.80, Max Press 3560 psi, Avg Press 3313 psi, Max Rate 32 BPM, Avg Rate 27.4 BPM. 40687# 20/40 white sand in formation, 405.9 Total BBls Pumped; 1626.8 bbls to recover. - RU WL Press test lubricator to 5000psi. Open well @ 1468 psi RIH W/ CFTP & 3-1/8" disposable guns 3SPF. Set CFT Plug @ 4970' Perforate the B.5 formation @ 4891-93',

4888-90', 4884-86', (18 holes) PPOH. CWI and hand over to frac crew. - RU WL Press test lubricator to 5000psi. Open well @ 1468 psi RIH W/ CFTP & 3-1/8" disposable guns 3SPF. Set CFT Plug @ 4970' Perforate the B.5 formation @ 4891-93', 4888-90', 4884-86', (18 holes) PPOH. CWI and hand over to frac crew. - 3rd stage. Safety Meeting. JSA. Pres Test to 5000 psi, Open well @ 930 psi. Break down A-3 Perfs (9 holes) @ 2592 psi w/4.4 bbls fresh water, @ 3.2 BPM, Pump 132.6 bbls Pad, 31.8 BBls 1# to 4# 20/40 Sand (Ramped) 70.1 BBls 4# to 6# 20/40 Sand (ramped), 12 bbls 15% HCL, 123.1 BBls fresh water flush. ISIP 1666 psi FG.75, Max Press 2624 psi, Avg Press 2486 psi, Max Rate 21.6 BPM, Avg Rate 21.2 BPM. 14464# 20/40 white sand in formation, 348 Total BBls Pumped; 1568.9 bbls to recover.

Daily Cost: \$0

Cumulative Cost: \$155,064

1/15/2013 Day: 5

Completion

WWS #1 on 1/15/2013 - MIRUWOR, spot pump package, ND frac vlv and NU DO stack. Test BOPS. - RU 4G test unit first test unit for 5 min. by dead heading. Second test was a 5 min 250 psi low and then a 10 min. 4500 psi high testing upper pipe rams, outer vlv on BOP, TIW vlv. Next the lower rams were tested the same way. Next test was a 5 min, 250 psi low and a 10 min, 4500 psi high on the inside casing vlv. Pull out hanger, drain up and SDFN. - MIRUWOR. Spot 400 bbls upright and spot pump package. MIRU 4G test and torque. ND 5K Frac vlv and NU double pipe ram, RU work floor, install hanger w/ check, bleed nipple and 8' sub.

Daily Cost: \$0

Cumulative Cost: \$162,366

1/16/2013 Day: 6

Completion

WWS #1 on 1/16/2013 - Wait on Preferred HO. Thaw well, PU and RIH to 2984'. Circ well and cont. to RIH to 4460'. SWIFN, tarp in and heat over night. - Waiting on Preferred Hot Oiler to show up on location. Supposed to be there at 7:00 AM. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - Continue PU pipe and RIH. SD @ jt 142. EOT @ 4460'. SWIFN. Fish top at 3988'. Drain pump, wrap WH and heat with heater overnight. - RU HO again to thaw out well and start in hole with RBS fishing tools. Run to 2984' and SD to have lunch and make sure pump is unfroze. Circulate well w/ 100 BW to keep unthawed. - PU RBS fishing tools and unable to get past the WH. - MIRU Preferred HO. Pull thread protectors off tbg and tallied. Pulled water onto truck and heated. Thaw well out. Jump started rig pump and let run to warm up.

Daily Cost: \$0

Cumulative Cost: \$170,712

1/17/2013 Day: 7

Completion

WWS #1 on 1/17/2013 - RBS swvl broke down; waited 3 hrs for another one to show up. Operations also shut down for another 2 hrs because of WWS pump not working right. CO to fish, latch on and jar loose. POOH. Fish at surface @ 17:00. Well in and SWIFN. - CO two more jts to tag fish at 4798' with jt# 152. Latch onto fish. - MIRU RBS swvl. CO one jt and then had WWS pump issues again. The drive belt had accumulated hardened oil on itself and was jumping resulting in the belt starting to run off the input drive wheel for the triplex. SD to take guard off and CO oil accumulation. Put pump back together and catch circ again. After 15 min, the belt started jumping again. I informed the pusher to tarp the triplex and drive belt in and heat with heater. Afater 15 min, the pump ran great- back to work. - SICP @ 0. SITP @ 0. Cont. to PU pipe to tag fill 15' in on jt #149 @ 4701'. RBS pwr swvl broke down before

even rigging up. Circ well clean. Started having WWS pump issues. Pump would have to SD in order to build air pressure. Fixed pump and cont. to circ while waiting for pump. Waited 3 total hrs for RBS to deliver another swvl. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - TOOH standing back in derrick with 75 stands. Tools to surface. - Jarred on the fish for 45 min. setting down @ 24K and pulling up to 60-63K. - Fish loose. Pulled 1 jt and rack back pwr swvl. Drain pump and lines. - Break out tools and fish. Tarp well in and heat with heater overnight. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$189,426

1/18/2013 Day: 8

Completion

WWS #1 on 1/18/2013 - DO KP, and frac plgs 1-3. Circ well cln and Pull above perf to SWIFN. - DO plg in 23 min. Circ well cln w/ 120 bbls. Hang back pwr swvl. Pull 26 jts to get above perms. EOT @ 4836'. SWIFN. No wtr gain or loss. - CO 96' of sand to 3rd plg @ 5640' w/ jt 180. - DO plg in 25 min. Circ well cln and cont PU pipe. Tag fill w/ jt 177 @ 5544'. - DO plg in 43 min. Circ well cln and cont to PU pipe. Tag 2nd plg @ 5270' w/ jt 168. - Plg drilled out in 13 min. Circ well clean and cont to PU pipe and tag 1st plg @ 4970' w/ jt 159. - CO to plg @ 4810' on jt# 154. Start drilling. - RU pwr swvl. Tag fill @ 4792'. - SICP @ 0. Well went on a suck upon opening up. MU 4 3/4" chomp bit and bit sub. TIH w/ 150 jts of 2 7/8" tbg. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment.

Daily Cost: \$0

Cumulative Cost: \$217,967

1/21/2013 Day: 10

Completion

WWS #1 on 1/21/2013 - Round trip running production tbg. Run drift. ND BOPS and NU WH. RU to run rods. - Unland tbg and set TAC @ 5789' w/ 18,000# tension. Land tbg w/ hanger and NU wellhead. - Circ well clean w/120 BW. Gained 60 bbls in pit. - Rack out swvl. LD 2 jts EOT @ 5999'. RU swab equipment. - Rack out swvl. LD 2 jts EOT @ 5999'. RU swab equipment. - Start swabbing. Made 9 runs and rec 105 bbls- no sand, very little oil. EFL @ 1900'. RD swab equipment. - Start swabbing. Made 9 runs and rec 105 bbls- no sand, very little oil. EFL @ 1900'. RD swab equipment. - Clean tools, drain up pump and lines, Tarp up the well head and heat. PSN @ 5824'. EOT @ 5888'. SDFWE. - Clean tools, drain up pump and lines, Tarp up the well head and heat. PSN @ 5824'. EOT @ 5888'. SDFWE. - Start CO 101' of sand to PBSD 6057'. - Start CO 101' of sand to PBSD 6057'. - RU pump and circ well clean. - RU pump and circ well clean. - SICP and SITP @ 300 psi. BO pressure and TIH w/ 26 jts. Swvl up and cont. PU pipe to tag fill on jt #190 @ 5956'. - SICP and SITP @ 300 psi. BO pressure and TIH w/ 26 jts. Swvl up and cont. PU pipe to tag fill on jt #190 @ 5956'. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - Unland tbg and set TAC @ 5789' w/ 18,000# tension. Land tbg w/ hanger and NU wellhead. - Circ well clean w/120 BW. Gained 60 bbls in pit. - ND BOP stack and rig floor. - ND BOP stack and rig floor. - TIH w/ NC, 2 jts, PSN, 1 jt, 5.5" TAC w/ carbide slips, and 184 jts 2 7/8" tbg stopping every 2000' to run drift on sandline. well started flowing. Pull drift out of the well and kill well again. Land tbg w/ hanger. - TIH w/ NC, 2 jts, PSN, 1 jt, 5.5" TAC w/ carbide slips, and 184 jts 2 7/8" tbg stopping every 2000' to run drift on sandline. well started flowing. Pull drift out of the well and kill well again. Land tbg w/ hanger. - SICP @ 200 psi; SITP @ 50 psi. BD well and circ w/ 120 bbls. Drain pump and TOOH w/ tbg. LD Chomp bit. - SICP @ 200 psi; SITP @ 50 psi. BD well and circ w/ 120 bbls. Drain pump and TOOH w/ tbg. LD Chomp bit. - Arrive on location. Safety Meeting, discussed

location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - PU 2 jts and RIH to tag PBTB @ 6057'. No new fill. LD 6 jts TOOH w/ 40 jts. EOT @ 4615'. SWIFN. Cover wellhead with tarps and heat for the night. - PU 2 jts and RIH to tag PBTB @ 6057'. No new fill. LD 6 jts TOOH w/ 40 jts. EOT @ 4615'. SWIFN. Cover wellhead with tarps and heat for the night. - Circ well clean until dead. - Circ well clean until dead.

Daily Cost: \$0

Cumulative Cost: \$299,117

1/22/2013 Day: 11

Completion

WWS #1 on 1/22/2013 - Run pump, rods. Hang horse head, test pump. RDMOWOR. - Arrive on location. Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Start up/ warm up equipment. - SICP @ 300 psi, SITP @ 150 psi. MI spot in CTAP truck to unload tbg for the V-9-9-17. Spot in rod trailer on the Y-10. - PU and RIH w/ new Cent Hyd pump 25-175-RHAC-20-4-21-24, 30- 7/8" 8 pers, 127- 3/4" 4 pers, 74- 7/8" 4 pers, 1-8', 1-6', 1-4' 7/8" pony rods. Seat pump w/ 1 1/2X30' polish rod. - Get pump unit started and rolled over. - Hang head, stroke up to 800 psi w/ unit- good test. Couldn't PWOP due to no trace lines ran. - RDWOR and move over to the V-9-9-17. RU.

Finalized

Daily Cost: \$0

Cumulative Cost: \$308,525

Pertinent Files: [Go to File List](#)