

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-21835	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA/AGREEMENT NAME: NA	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: State 3-36-8-15	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052			PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NE/NW 780' FNL 2140' FWL AT PROPOSED PRODUCING ZONE:				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 36 8S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 12.0 miles southwest of Myton, Utah				12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 780' f/lse line, NA' f/unit line		16. NUMBER OF ACRES IN LEASE: 640.00 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1344'		19. PROPOSED DEPTH: 6,380		20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5787' GL		22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2009		23. ESTIMATED DURATION: (7) days from SPUD to rig release	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,380	Lead(Prem Lite II)	275 sx +/-	3.26	11.0
					Tail (50/50 Poz)	450 sx +/-	1.24	14.3

25. **ATTACHMENTS**

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE *Mandie Crozier* DATE 2/27/09

(This space for State use only)

API NUMBER ASSIGNED: 43-013-34232 APPROVAL: _____

RECEIVED
MAR 09 2009
DIV. OF OIL, GAS & MINING

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/09/2009

API NO. ASSIGNED: 43-013-34232

WELL NAME: STATE 3-36-8-15
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	4/23/09
Geology		
Surface		

NENW 36 080S 150E
 SURFACE: 0780 FNL 2140 FWL
 BOTTOM: 0780 FNL 2140 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.07960 LONGITUDE: -110.18161
 UTM SURF EASTINGS: 569779 NORTHINGS: 4436703
 FIELD NAME: MONUMENT BUTTE (105)

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-21835
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-7478)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

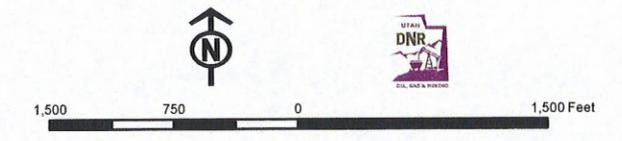
COMMENTS: Needs Drisit (03-04-09)

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

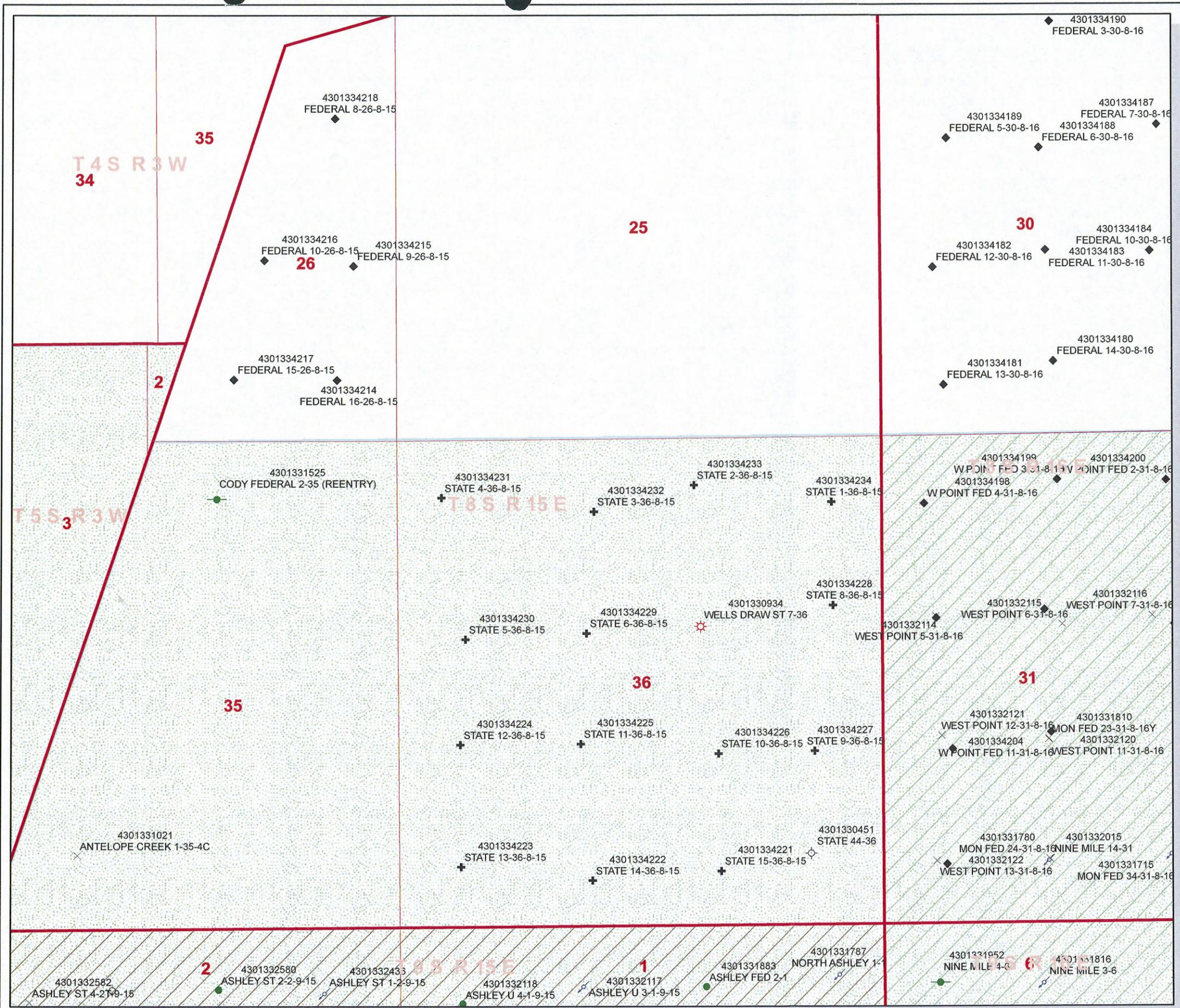
API Number: 4301334232
Well Name: STATE 3-36-8-15
 Township 08.0 S Range 15.0 E Section 36
Meridian: SLBM
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|---------------------------|
| Units | Wells Query Events |
| STATUS | ✕ <all other values> |
| ACTIVE | GIS_STAT_TYPE |
| EXPLORATORY | ◆ <Null> |
| GAS STORAGE | ◆ APD |
| NF PP OIL | ◆ DRL |
| NF SECONDARY | ◆ GI |
| PI OIL | ◆ GS |
| PP GAS | ◆ LA |
| PP GEOTHERML | ◆ NEW |
| PP OIL | ◆ OPS |
| SECONDARY | ◆ PA |
| TERMINATED | ◆ PGW |
| Fields | ◆ POW |
| STATUS | ◆ RET |
| ACTIVE | ◆ SGW |
| COMBINED | ◆ SOW |
| Sections | ◆ TA |
| Township | ◆ TW |
| | ◆ WD |
| | ◆ WI |
| | ◆ WS |



1:13,261



Application for Permit to Drill

Statement of Basis

3/12/2009

Utah Division of Oil, Gas and Mining

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APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
1315	43-013-34232-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY	Surface Owner-APD			
Well Name	STATE 3-36-8-15	Unit			
Field	MONUMENT BUTTE	Type of Work			
Location	NENW 36 8S 15E S 780 FNL 2140 FWL GPS Coord (UTM) 569779E 4436703N				

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill
APD Evaluator

3/12/2009
Date / Time

Surface Statement of Basis

The general location is approximately 12 road miles southwest of Myton, UT in the upper portion of the Pleasant Valley Drainage. Wells Draw is approximately 2 miles to the east and the Ute Tribal Indian Reservation 1 mile to the west. Broad flats with rolling hills characterize the area. Flats are often intersected by drainages with gentle to moderate side slopes. Flats at lower elevations to the northeast are frequently used for agriculture. No seeps, springs or streams are known to exist in the immediate area. An occasional pond for livestock watering occurs. Pleasant Valley Wash drains into the Pariette Draw drainage of Duchesne County. The lower reaches of both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 18 miles down drainage from the area. Access is by State and County and existing or proposed oilfield development roads to within 810 feet of the site. From this point additional construction will be required.

The proposed State 3-36-8-15 oil well location is in the southwest corner of the normal drilling window, with the reserve pit on the edge of a rise or knoll with exposed sandstone rock. It is laid out in a southeasterly to northwesterly direction paralleling a wash immediately to the west. Corner 2 needs to be rounded so as not to encroach upon this wash with fill. The topsoil stockpile between corners 8 and 1 needs to be relocated or piled so as not to infringe upon this same wash. Small drainages begin within and intersect the location and will be filled. No diversions are needed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA. Ed Bonner and Jim Davis of SITLA were invited to the pre-site evaluation. Neither attended.

Pat Rainbolt and Ben Williams represented the Utah Division of Wildlife Resources. Mr. Rainbolt stated the area was classified as substantial value antelope habitat but did not recommend any restrictions for this species. No other wildlife should be significantly affected. Mr. Rainbolt gave Mr. Eaton of Newfield Production Company a copy of his written evaluation and also a UDWR seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett
Onsite Evaluator

3/4/2009
Date / Time

Application for Permit to Drill

Statement of Basis

3/12/2009

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Corner 2 needs to be rounded so the drainage adjacent to the proposed pad will not be filled. Top soil on west side of location also needs to be located so as not to infringe on this same drainage.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name STATE 3-36-8-15
API Number 43-013-34232-0 **APD No** 1315 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NENW **Sec** 36 **Tw** 8S **Rng** 15E 780 FNL 2140 FWL
GPS Coord (UTM) 569785 4436706 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton and Brian Foote (Newfield Production Company), Ben Williams and Pat Rainbolt (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general location is approximately 12 road miles southwest of Myton, UT in the upper portion of the Pleasant Valley Drainage. Wells Draw is approximately 2 miles to the east and the Ute Tribal Indian Reservation 1 mile to the west. Broad flats with rolling hills characterize the area. Flats are often intersected by drainages with gentle to moderate side slopes. Flats at lower elevations to the northeast are frequently used for agriculture. No seeps, springs or streams are known to exist in the immediate area. An occasional pond for livestock watering occurs. Pleasant Valley Wash drains into the Pariette Draw drainage of Duchesne County. The lower reaches of both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 18 miles down drainage from the area. Access is by State and County and existing or proposed oilfield development roads to within 810 feet of the site. From this point additional construction will be required.

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A 50' x 70' x 8' deep reserve pit is planned in an area of cut on the northeast side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

A desert shrub type consisting of blue gramma grass, halogeton, shadscale, greasewood, black sage, broom snakeweed, needle and thread grass, rabbitbrush, prickly pear, fridge sage, winter fat, curly mesquite grass and spring annuals occupies the area.

Cattle, prairie dogs, antelope, small mammals and birds.
Shallow shaley sandy loam with some surface rock

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles **Well Pad** **Src Const Material** **Surface Formation**
0.08 **Width** 199 **Length** 300 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

A desert shrub type consisting of blue gramma grass, halogeton, shadscale, greasewood, black sage, broom snakeweed, needle and thread grass, rabbitbrush, prickly pear, fridge sage, winter fat, curly mesquite grass and spring annuals occupies the area.

Cattle, prairie dogs, antelope, small mammals and birds.

Soil Type and Characteristics

Shallow shaley sandy loam with some surface rock

Erosion Issues Y

Corner 2 needs to be rounded so as not to encroach upon this wash with fill. The topsoil stockpile between corners 8 and 1 needs to be relocated or piled so as not to infringe upon this same wash.

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 20 1 **Sensitivity Level**

Characteristics / Requirements

A 50' x 70' x 8' deep reserve pit is planned in an area of cut on the northeast side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

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

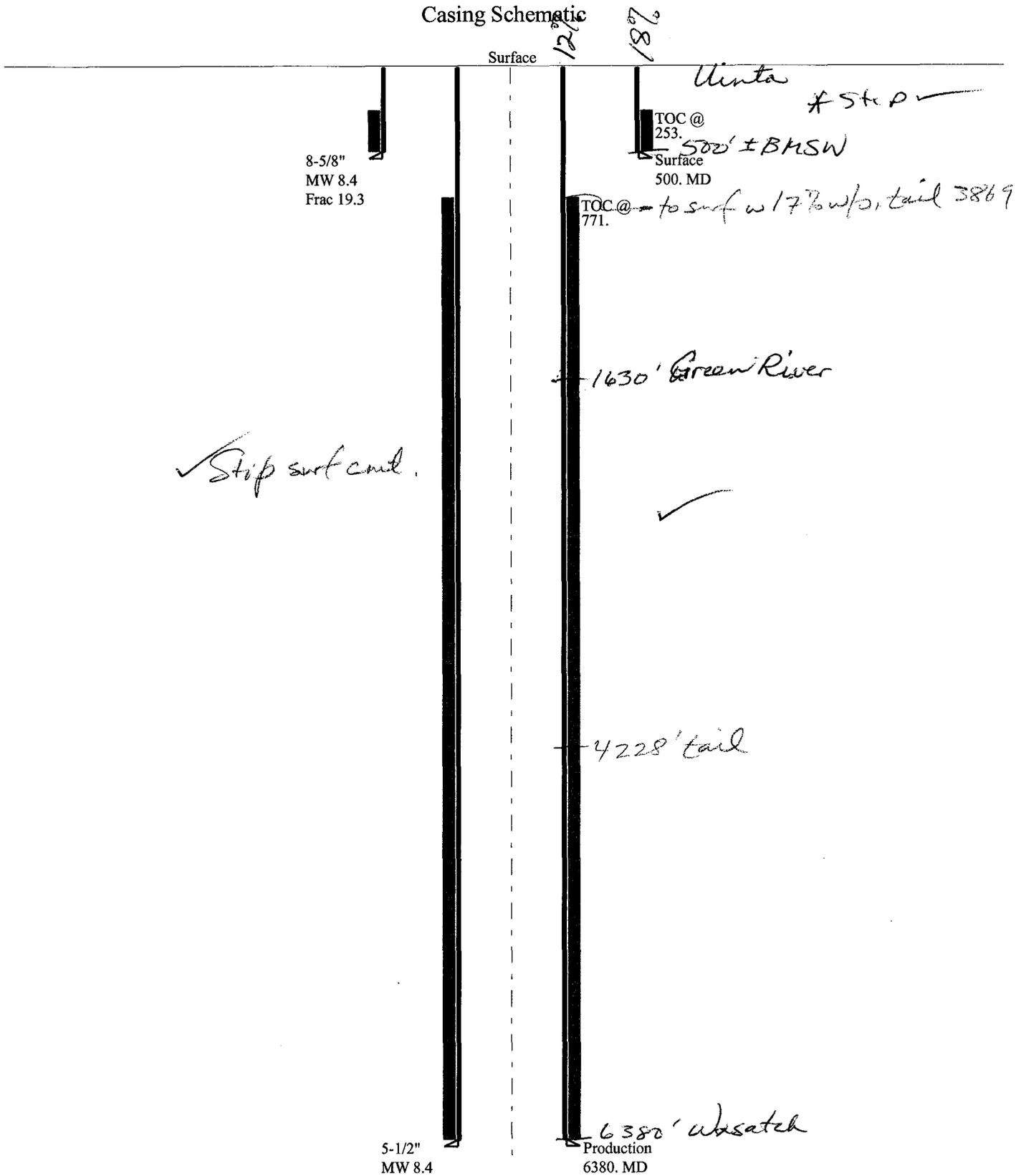
Other Observations / Comments

Floyd Bartlett
Evaluator

3/4/2009
Date / Time

43013342320000 State 3-36-8-15

Casing Schematic



Well name:	43013342320000 State 3-36-8-15	
Operator:	Newfield Production Company	Project ID:
String type:	Production	43-013-34232-0000
Location:	Duchesne County	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 154 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft
 Cement top: 771 ft

Burst

Max anticipated surface pressure: 1,380 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,784 psi

No backup mud specified.

Tension:

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

Non-directional string.

Tension is based on buoyed weight.
 Neutral point: 5,569 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	6380	5.5	15.50	J-55	LT&C	6380	6380	4.825	852.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2784	4040	1.451	2784	4810	1.73	86	217	2.51 J

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

Phone: 810-538-5357

Date: April 15, 2009
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 6380 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

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

Well name:	43013342320000 State 3-36-8-15	
Operator:	Newfield Production Company	Project ID:
String type:	Surface	43-013-34232-0000
Location:	Duchesne County	

Design parameters:	Minimum design factors:	Environment:
Collapse	Collapse:	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 72 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 185 ft
	Burst:	Cement top: 253 ft
	Design factor 1.00	
Burst		
Max anticipated surface pressure: 440 psi		
Internal gradient: 0.120 psi/ft	Tension:	Non-directional string.
Calculated BHP 500 psi	8 Round STC: 1.80 (J)	
No backup mud specified.	8 Round LTC: 1.80 (J)	
	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	Re subsequent strings:
	Body yield: 1.50 (B)	Next setting depth: 6,380 ft
	Tension is based on air weight.	Next mud weight: 8,400 ppg
	Neutral point: 437 ft	Next setting BHP: 2,784 psi
		Fracture mud wt: 19,250 ppg
		Fracture depth: 500 ft
		Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	8.625	24.00	J-55	ST&C	500	500	7.972	178.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	1370	6.279	500	2950	5.90	12	244	20.33 J

Prepared by: Helen Sadik-Macdonald Div of Oil, Gas & Mining
 Phone: 810-538-5357
 Date: April 15, 2009 Salt Lake City, Utah

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

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

BOPE REVIEW

Newfield State 3-36-8-15

API 43-013-34232-0000

INPUT

Well Name

Newfield State 3-36-8-15		API 43-013-34232-0000	
String 1	String 2		
Casing Size (")	8 5/8	5 1/2	
Setting Depth (TVD)	500	6380	
Previous Shoe Setting Depth (TVD)	0	500	
Max Mud Weight (ppg)	8.4	8.4	✓
BOPE Proposed (psi)	0	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	2763	8.3 ppg	✓

Calculations	String 1	8 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	218	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	158	NO Air drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	108	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	108	NO <i>Reasonable Depth in Area</i>
Required Casing/BOPE Test Pressure		500 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0 psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	5 1/2 "	
Max BHP [psi]	.052*Setting Depth*MW =	2787	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2021	NO Air Drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1383	YES ✓
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	1493	← NO <i>Reasonable</i>
Required Casing/BOPE Test Pressure		2000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		500 psi	*Assumes 1psi/ft frac gradient

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 4/2/2009 10:49 AM
Subject: Newfield Approvals (14)

CC: Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield.com

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

Newfield Production's State 5-36-8-15 [API #4301334230]

Newfield Production's State 2-36-8-15 [API #4301334233]

Newfield Production's State 15-36-8-15 [API #4301334221]

Newfield Production's State 14-36-8-15 [API #4301334222]

Newfield Production's State 13-36-8-15 [API #4301334223]

Newfield Production's State 12-36-8-15 [API #4301334224]

Newfield Production's State 11-36-8-15 [API #4301334225]

Newfield Production's State 1-36-8-15 [API #4301334234]

Newfield Production's State 10-36-8-15 [API #4301334226]

Newfield Production's State 9-36-8-15 [API #4301334227]

Newfield Production's State 8-36-8-15 [API #4301334228]

Newfield Production's State 6-36-8-15 [API #4301334229]

Newfield Production's State 3-36-8-15 [API #4301334232]

Newfield Production's State 4-36-8-15 [API #4301334231]

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO: ML-21835	6. SURFACE: State
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SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	8 5/8 J-55 24.0	500	Class G w/2% CaCl	155 sx +/-	1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,380	Lead(Prem Lite II)	275 sx +/-	3.26 11.0
			Tail (50/50 Poz)	450 sx +/-	1.24 14.3

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist
SIGNATURE *Mandie Crozier* DATE 4/3/09

(This space for State use only)
API NUMBER ASSIGNED: 43-013-34232

Approved by the
Utah Division of
Oil, Gas and Mining
APPROVAL:

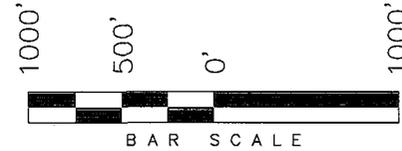
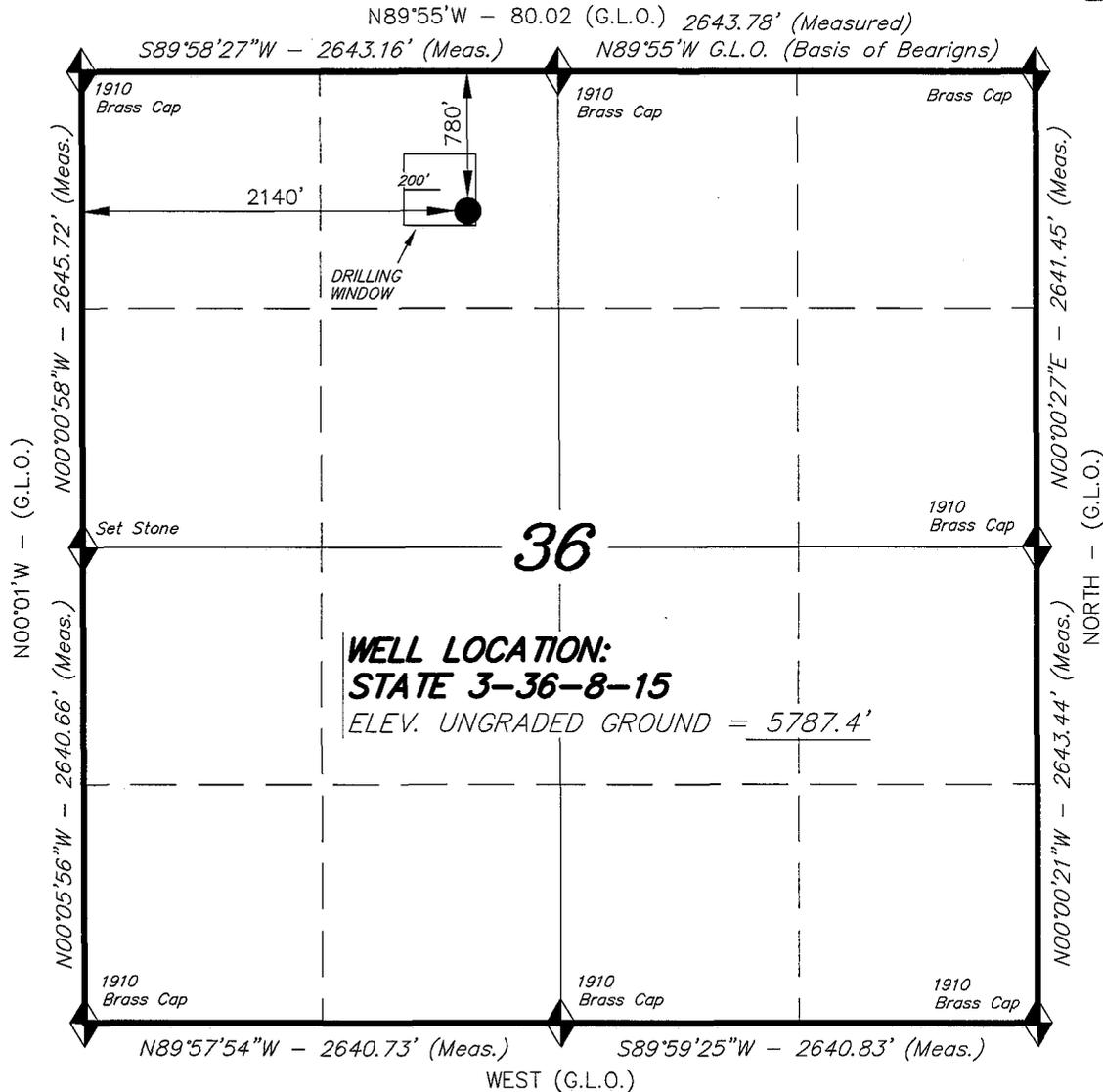
RECEIVED
APR 03 2009
DIV. OF OIL, GAS & MINING

Date: 04-27-09
By: *[Signature]*

T8S, R15E, S.L.B.&M.

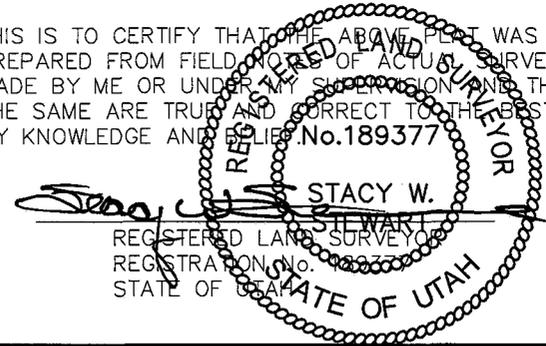
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, STATE 3-36-8-15,
 LOCATED AS SHOWN IN THE NE 1/4 NW
 1/4 OF SECTION 36, T8S, R15E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
STATE 3-36-8-15
 ELEV. UNGRADED GROUND = 5787.4'

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



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

STATE 3-36-8-15
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 46.48"
 LONGITUDE = 110° 10' 56.18"

TRI STATE LAND SURVEYING & CONSULTING 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 12-01-08	SURVEYED BY: C.M.
DATE DRAWN: 12-20-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
STATE 3-36-8-15
NE/NW SECTION 36, T8S, R15E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 – 1,630'
Green River	1,630'
Wasatch	6,380'

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

Green River Formation (Oil) 1,630' – 6,380'

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:

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 500' (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

RECEIVED

APR 03 2009

DIV. OF OIL, GAS & MINING

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

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

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

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

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

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBSD 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 2009, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
STATE 3-36-8-15
NE/NW SECTION 36, T8S, R15E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State 3-36-8-15 located in the NE¼ NW¼ Section 36, T8S, R15E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly - 6.4 miles to it's junction with an existing road to the southwest; proceed southwesterly - 2.8 miles ± to it's junction with an existing road to the south; proceed southerly - 0.5 miles ± to it's junction with an existing road to the southeast; proceed in a southeasterly direction - 0.8 miles ± to it's junction with the beginning of the proposed access road to the west; proceed southwesterly along the proposed access road - 810' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

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

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 810' of access road is proposed. See attached **Topographic Map "B"**.

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

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

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

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

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

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

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000

PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

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

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

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

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

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

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

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

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

- a) **Producing Location**

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

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

b) **Dry Hole Abandoned Location**

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

11. **SURFACE OWNERSHIP:** State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 810' of disturbed area be granted to allow for construction of the proposed surface gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 10" or smaller gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Newfield Production Company requests 810' of disturbed area be granted to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line, with a permanent width of 30' upon completion of the proposed water return line. The construction phase of the proposed water lines will last approximately (5) days. **Refer to Topographic Map "C."** In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Survey is attached. MOAC Report #08-301, 1/26/09. See attached report cover page, Exhibit "D". The Paleontological Resource Survey will be forthcoming.

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

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the State 3-36-8-15, 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 State 3-36-8-15 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Representative

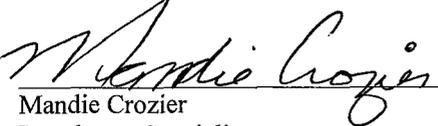
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #3-36-8-15, NE/NW Section 36, T8S, R15E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

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

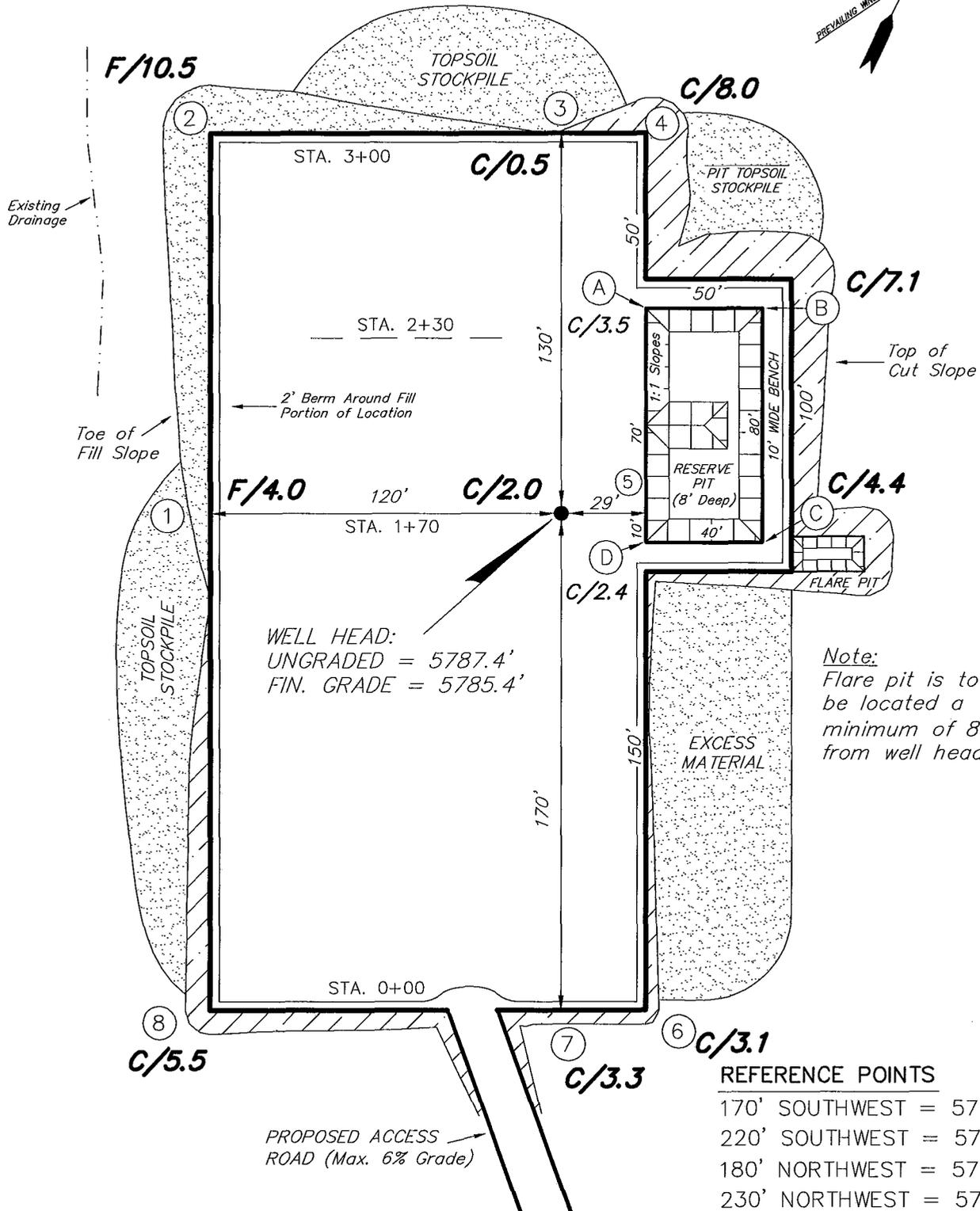
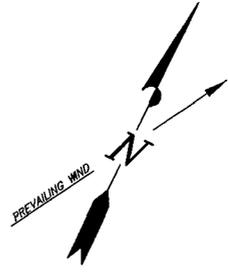
2/27/09
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

STATE 3-36-8-15

Section 36, T8S, R15E, S.L.B.&M.

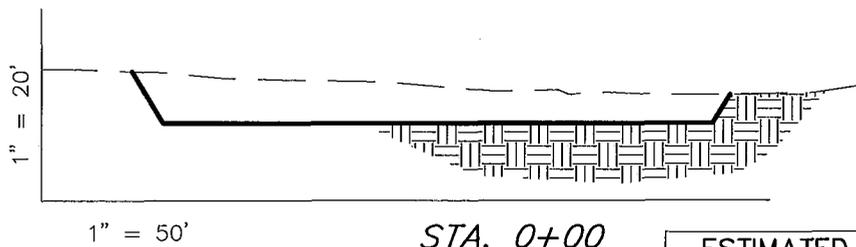
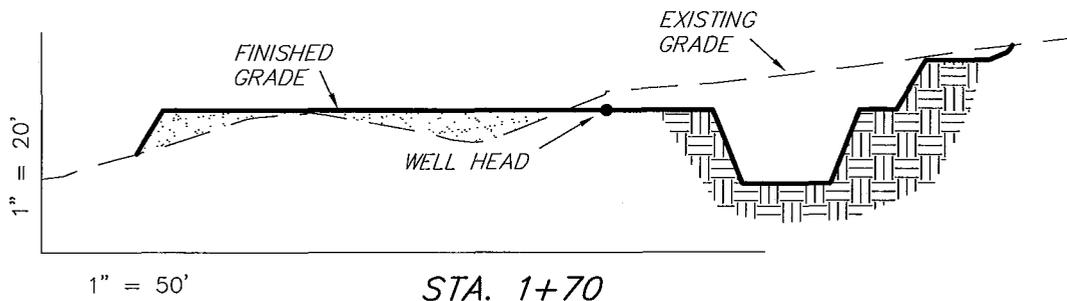
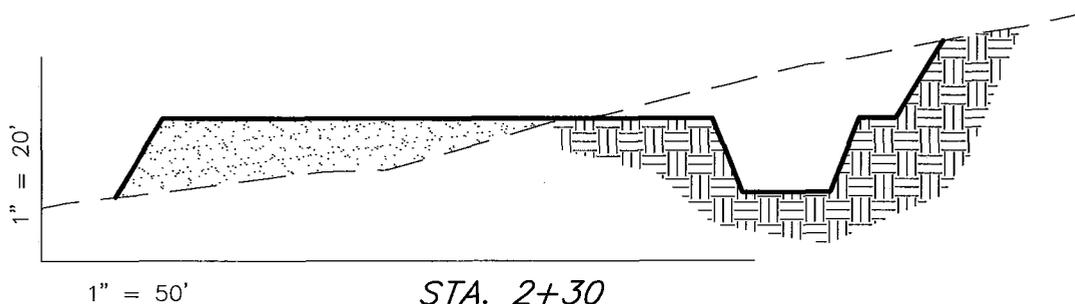
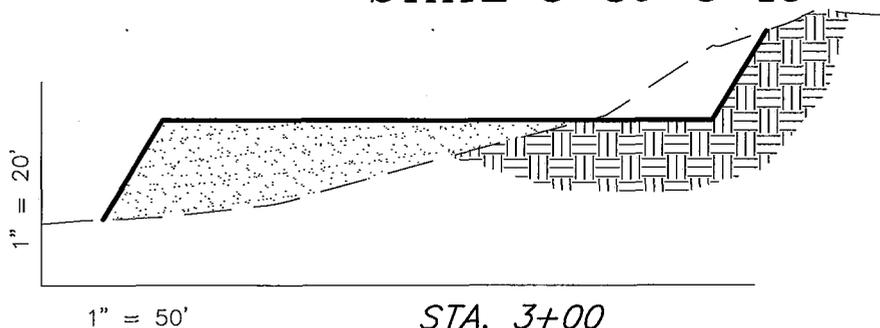


SURVEYED BY: C.M.	DATE SURVEYED: 12-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS STATE 3-36-8-15



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,530	3,530	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,170	3,530	1,090	640

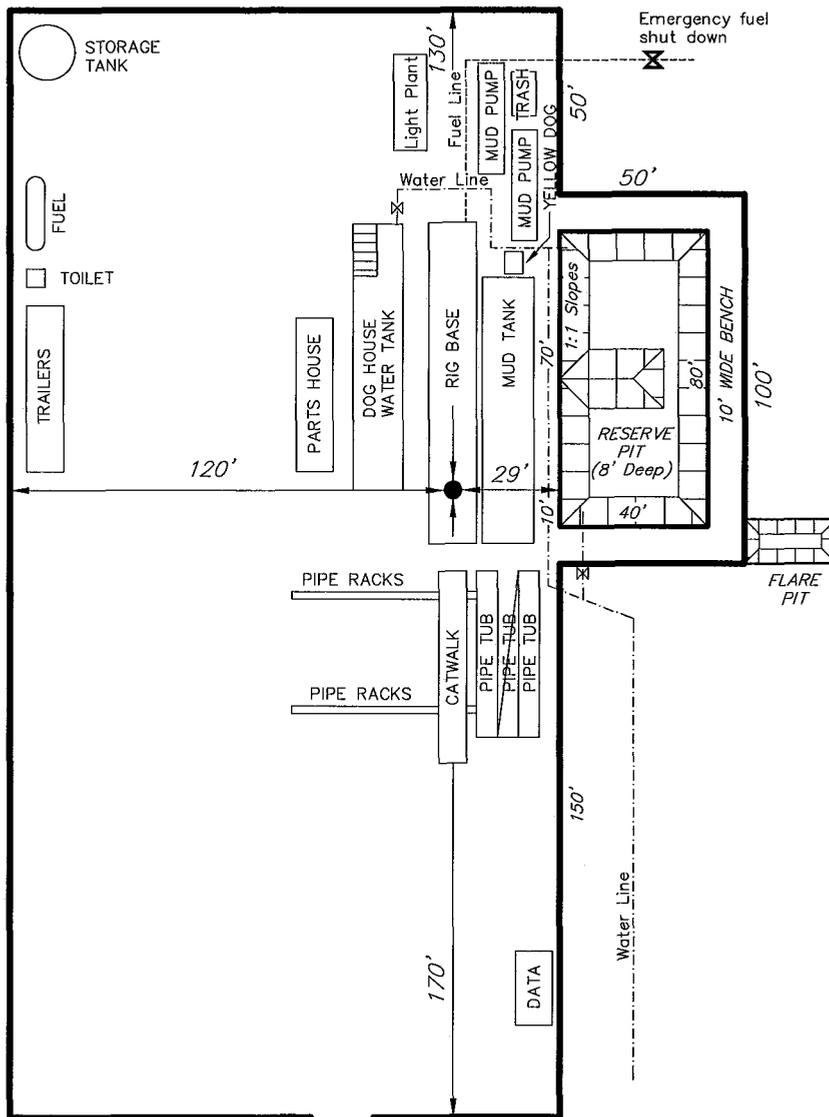
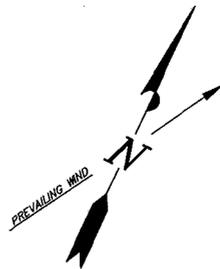
NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

SURVEYED BY: C.M.	DATE SURVEYED: 12-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

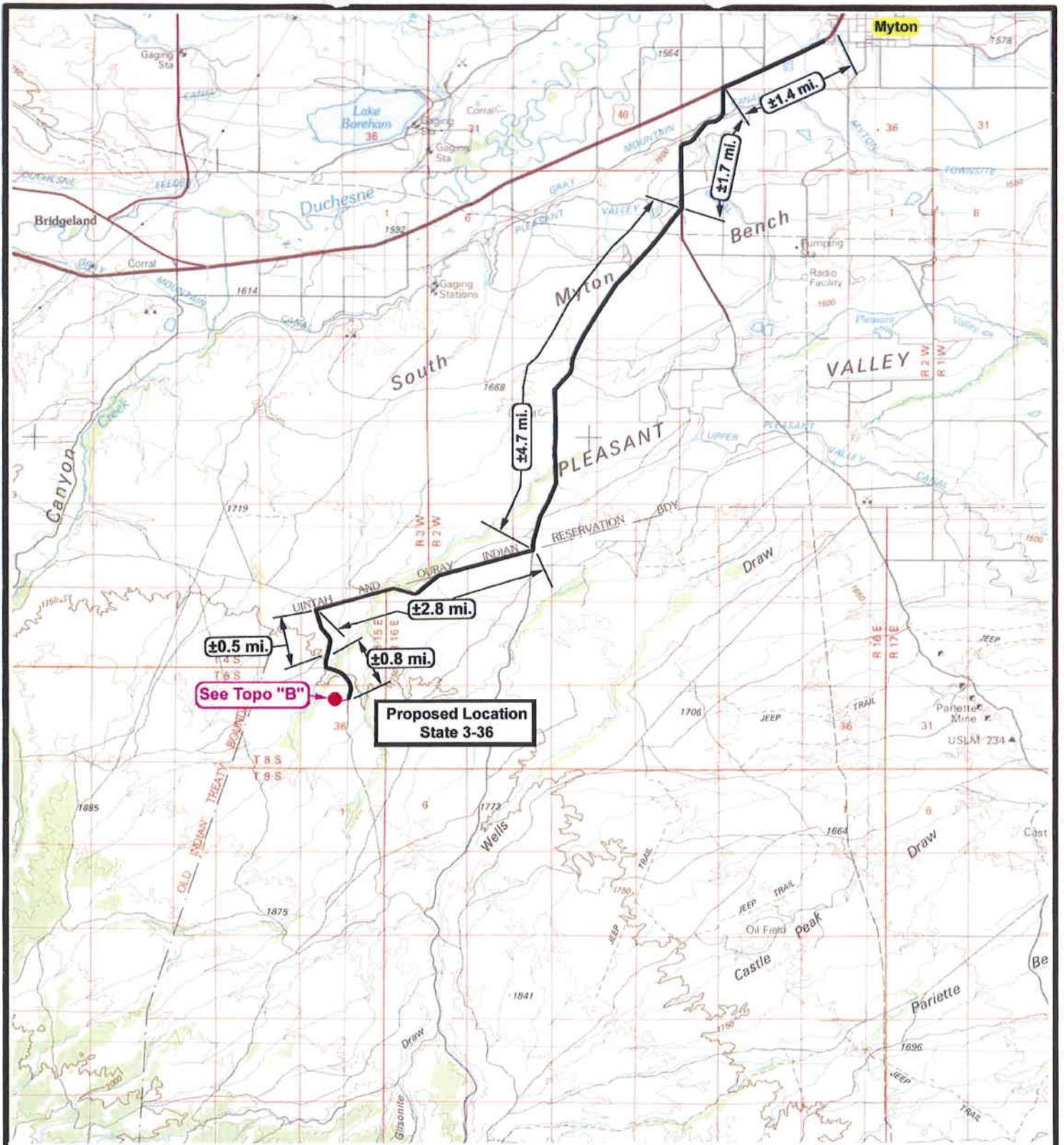
TYPICAL RIG LAYOUT STATE 3-36-8-15



PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: C.M.	DATE SURVEYED: 12-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-08
SCALE: 1" = 50'	REVISED:

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



NEWFIELD
Exploration Company

State 3-36-8-15
SEC. 36, T8S, R15E, S.L.B.&M.



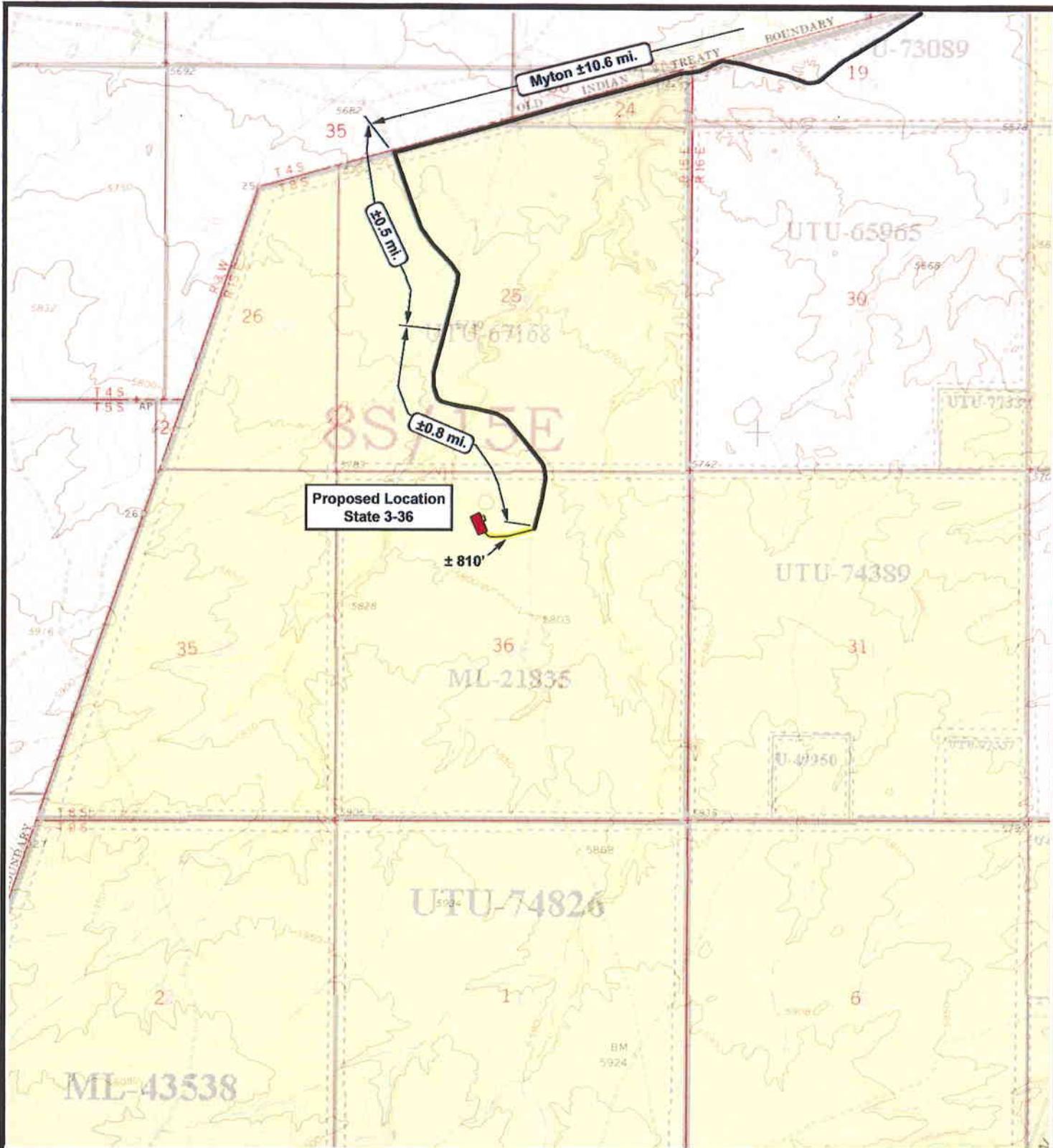
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 12-24-2008

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"




NEWFIELD
 Exploration Company

State 3-36-8-15
SEC. 36, T8S, R15E, S.L.B.&M.



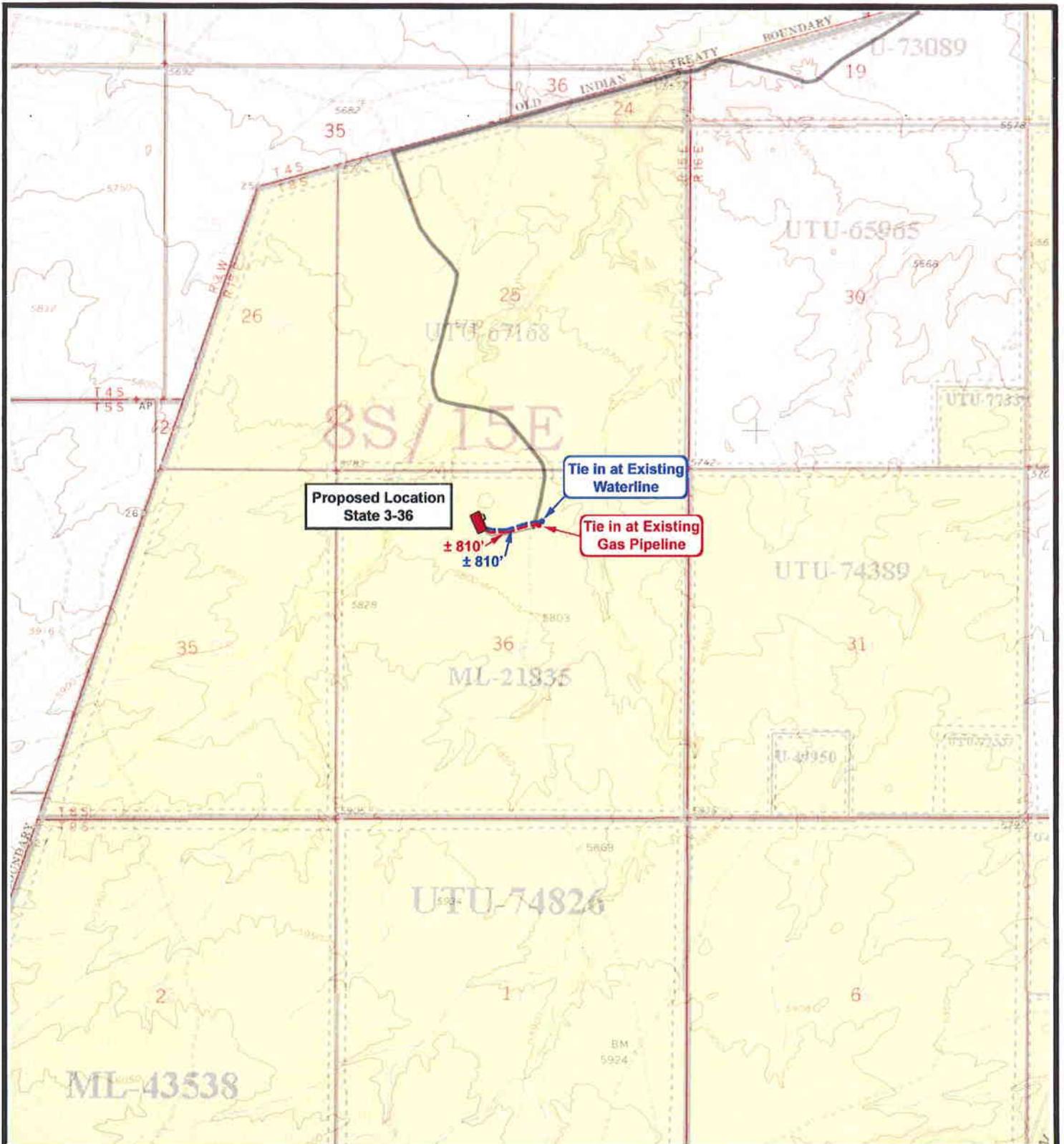

Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 12-24-2008

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP
"B"




NEWFIELD
Exploration Company

State 3-36-8-15
SEC. 36, T8S, R15E, S.L.B.&M.



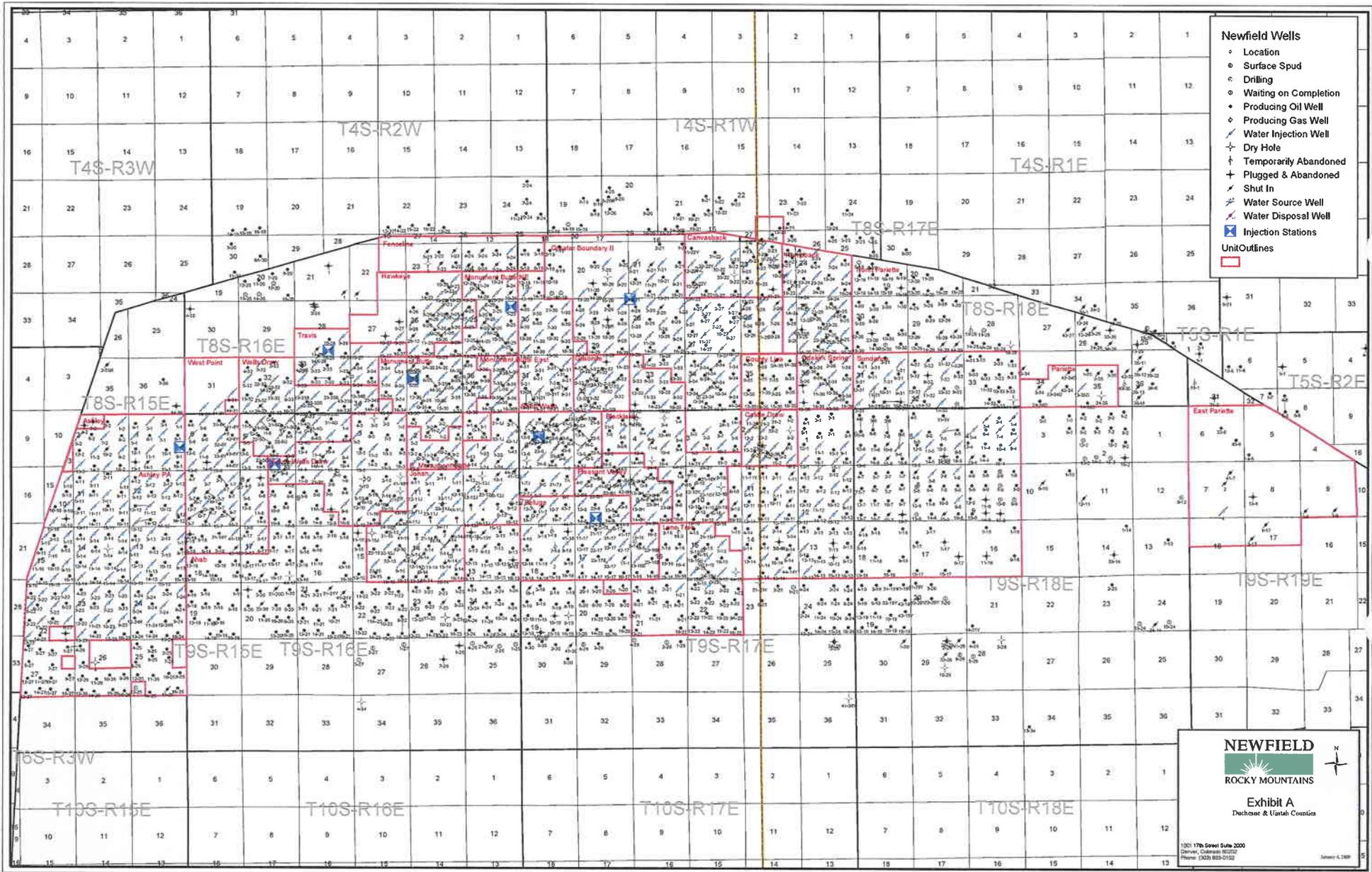

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 12-24-2008

Legend

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

TOPOGRAPHIC MAP
"C"



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

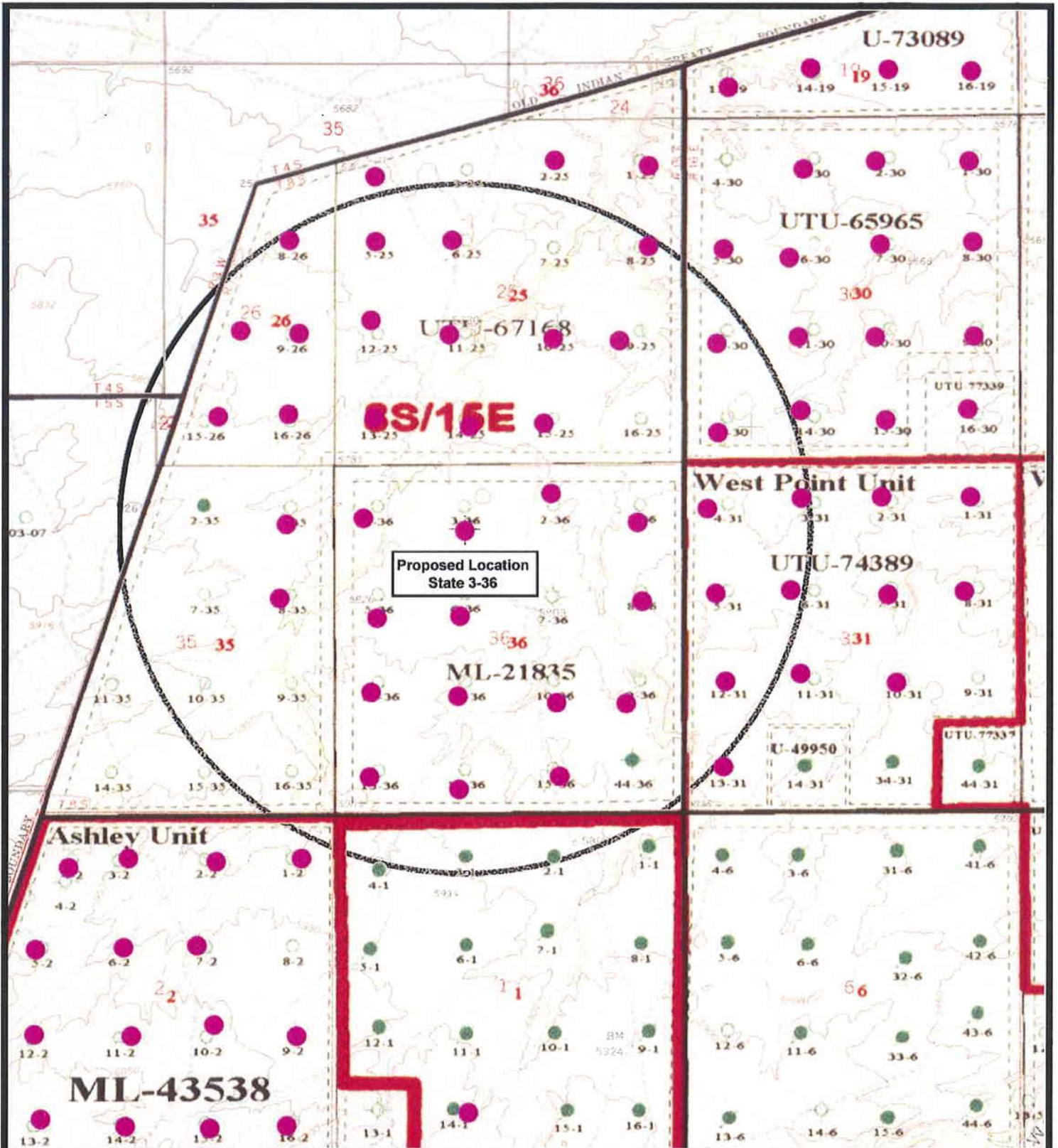
NEWFIELD

ROCKY MOUNTAINS

Exhibit A
 Drebach & Utah Counties

1201 17th Street Suite 2200
 Denver, Colorado 80202
 Phone: (303) 852-0122

January 4, 2009



Proposed Location
State 3-36



NEWFIELD
Exploration Company

State 3-36-8-15
SEC. 36, T8S, R15E, S.L.B.&M.




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

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 12-24-2008

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment System

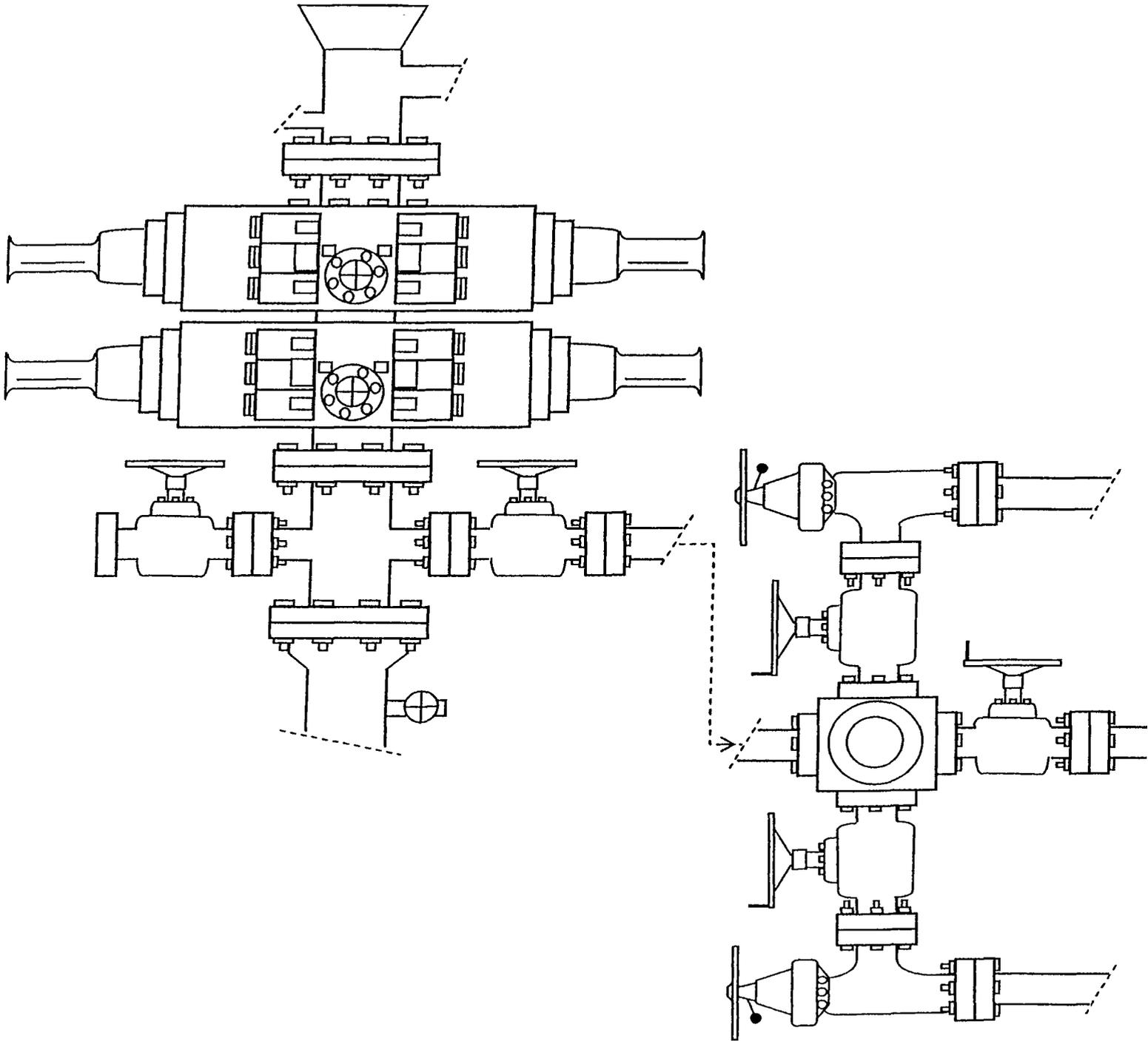


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S FOUR BLOCK PARCELS
(T8S, R15E, SECTIONS 25, 26, 35, AND 36)
DUCHESNE COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Vernal Field Office
and
School & Institutional
Trust Lands Administration

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 08-301

January 26, 2009

United States Department of Interior (FLPMA)
Permit No 08-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-1227b,s



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 27, 2009

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

Re: State 3-36-8-15 Well, 780' FNL, 2140' FWL, NE NW, Sec. 36, T. 8 South, R. 15 East,
Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34232.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA



Operator: Newfield Production Company
Well Name & Number State 3-36-8-15
API Number: 43-013-34232
Lease: ML-21835

Location: NE NW Sec. 36 T. 8 South R. 15 East

Conditions of Approval

1. General

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

2. Notification Requirements

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

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

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

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

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

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

3. Reporting Requirements

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

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43-013-34232

April 27, 2009

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
7. Surface casing shall be cemented to the surface.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21835
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
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1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: STATE 3-36-8-15
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2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013342320000
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0780 FNL 2140 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 08.0S Range: 15.0E Meridian: S	COUNTY: DUCHESNE STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/27/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 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 checked="" type="checkbox"/> APD EXTENSION OTHER:

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

Newfield proposes to extend the permit to drill this well for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: April 21, 2010

By:

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 4/21/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013342320000

API: 43013342320000

Well Name: STATE 3-36-8-15

Location: 0780 FNL 2140 FWL QTR NENW SEC 36 TWP 080S RNG 150E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 4/27/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier

Date: 4/21/2010

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

Date: April 21, 2010

By: [Signature]

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21835
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
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1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMB 3-36-8-15H
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2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013342320000
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0780 FNL 2140 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 08.0S Range: 15.0E Meridian: S	COUNTY: DUCHESNE STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/17/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 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 checked="" 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 type="text" value="APD Change"/>

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

Newfield requests to amend the above mentioned APD. This well will now be drilled as a Horizontal Well. The new APD package is attached. The name for this well will now be the Greater Monument Butte 3-36-8-15H. We also request that "Tight Hole Status" be place on this well at this time.

Approved by the Utah Division of Oil, Gas and Mining

Date: October 14, 2010

By: *Derek Duff*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 9/17/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013342320000

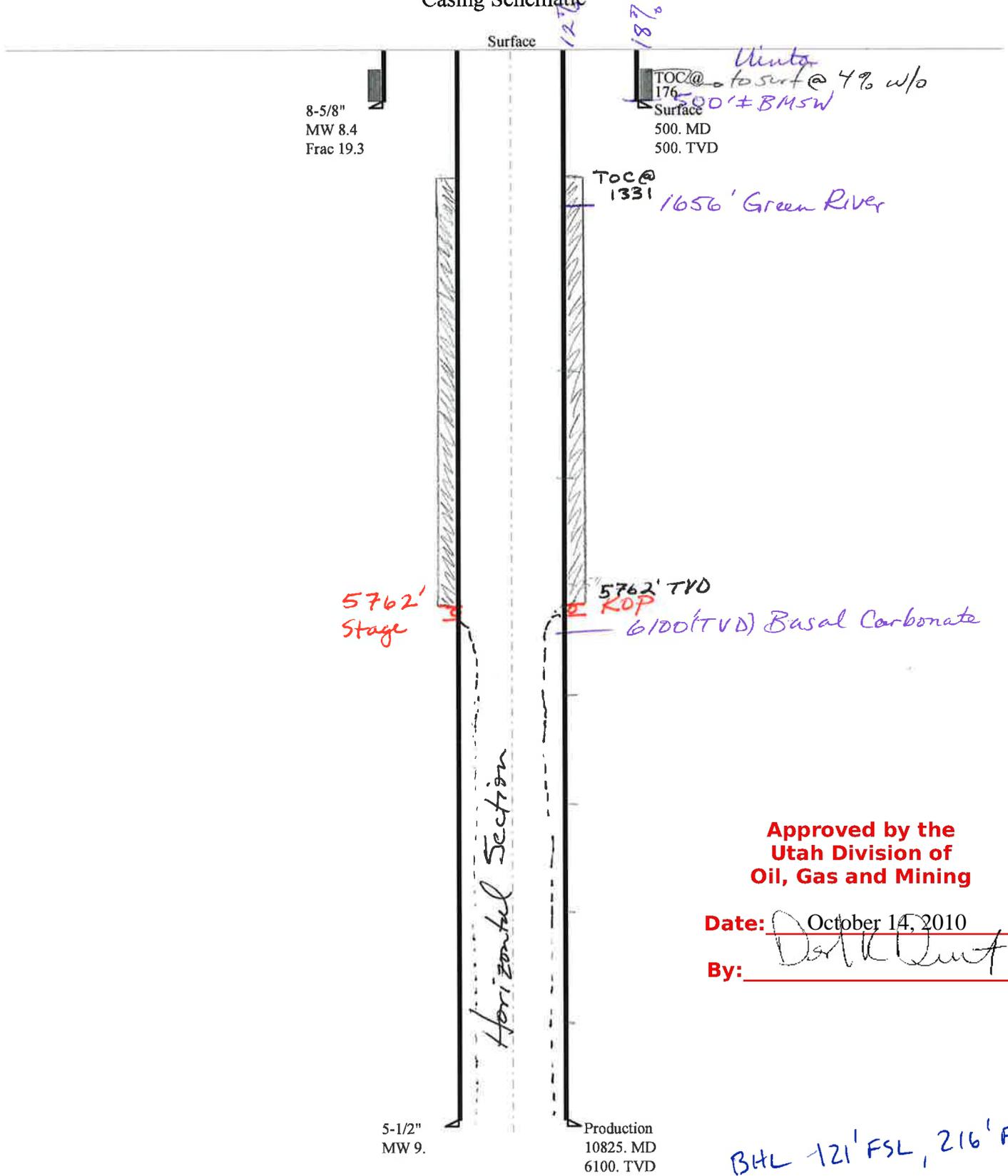
Surface casing shall be cemented from setting depth back to surface.

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

Date: October 14, 2010
By: *Dan K. Quist*

43013342320001 State 3-36-8-15H

Casing Schematic



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

Date: October 14, 2010

By: Derek Quist

BHL 121' FSL, 216' FWL
Cause 213-11
✓ 460' fr. unit Boundary

Well name:	43013342320001 State 3-36-8-15H		
Operator:	Newfield Production Company		
String type:	Surface	Project ID:	43-013-34232-0001
Location:	Duchesne County		

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 440 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
Neutral point: 449 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 72 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft

Cement top: 176 ft

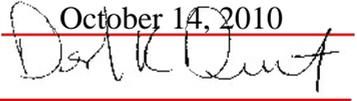
Non-directional string.

Re subsequent strings:

Next setting depth: 5,762 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,694 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 500 ft
Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	8.625	28.00	J-55	LT&C	500	500	7.972	180
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	1880	8.617	500	3390	6.78	14	348	24.86 J

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

Date: October 14, 2010
By: 

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

Phone: 810-538-5357

Date: October 14, 2010
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

Well name:	43013342320001 State 3-36-8-15H		
Operator:	Newfield Production Company		
String type:	Production	Project ID:	43-013-34232-0001
Location:	Duchesne County		

Design parameters:

Collapse

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,510 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 2,852 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on buoyed weight.
Neutral point: 5,267 ft

Environment:

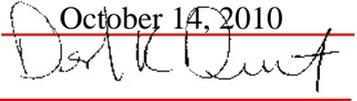
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 150 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Directional Info - Build & Hold

Kick-off point: 5762 ft
Departure at shoe: 4788 ft
Maximum dogleg: 12 °/100ft
Inclination at shoe: 91.86 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10825	5.5	17.00	N-80	LT&C	6100	10825	4.767	1413
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2852	6290	2.206	2883	7740	2.69	90	348	3.89 J

Approved by the Utah Division of Oil, Gas and Mining

Date: October 14, 2010
By: 

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

Phone: 810-538-5357

Date: October 14, 2010
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 6100 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

43-013-34032

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-21835	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company		9. WELL NAME and NUMBER: Greater Mon. Butte 3-36-8-15H	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 City Myton STATE UT ZIP 84052		PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NE/NW 780' FNL 2140' FWL Sec. 36 T8S R15E AT PROPOSED PRODUCING ZONE: SW/SW 150' FSL 150' FWL Sec. 36 T8S R15E		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 36 8S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 12.0 miles southwest of Myton, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 150' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 640.00 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL 320 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1344'	19. PROPOSED DEPTH: 6,100	20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5787' GL	22. APPROXIMATE DATE WORK WILL START: 4th Qtr. 2010	23. ESTIMATED DURATION: (10) days from SPUD to rig release	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
			See Attached Drilling Program

25. ATTACHMENTS

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist
SIGNATURE *Mandie Crozier* DATE 9/17/10

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

**NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 3-36-8-15H
SHL: NE/NW SECTION 36, T8S, R15E
BHL: SW/SW SECTION 36, T8S, R15E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

This well is designed as a horizontal in the Basal Carbonate formation, at the base of the Green River formation. The well will be drilled vertically to a kick off point of 5,762'. Directional tools will then be used to build to 91.85° inclination and the well will be landed in the Basal Carbonate formation. The lateral will be drilled to the proposed bottomhole location, and 5-1/2" production casing will be run to TD. An open hole packer system and sliding sleeves will be used to isolate separate frac stages in the lateral. The casing will be cemented from the top of the curve to surface with a port collar.

1. GEOLOGIC SURFACE FORMATION:

Uinta formation

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Green River	1,656'
Target (Basal Carbonate)	6,100'
TD	6,100' TVD / 10,825' MD

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

Green River Formation (Oil) 4,197' – 6,100' TVD

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 300'. 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 Iron (Fe) (ug/l)
 Dissolved Magnesium (Mg) (mg/l)
 Dissolved Bicarbonate (NaHCO₃) (mg/l)
 Dissolved Sulfate (SO₄) (mg/l)

Dissolved Calcium (Ca) (mg/l)
 Dissolved Sodium (Na) (mg/l)
 Dissolved Carbonate (CO₃) (mg/l)
 Dissolved Chloride (Cl) (mg/l)
 Dissolved Total Solids (TDS) (mg/l)

4. PROPOSED CASING PROGRAM

a. Casing Design

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Design Factors		
	Top	Bottom							Burst	Col	Tens
Surface 8-5/8"	0'	500'	24.0	J-55	STC	8.33	8.33	12.0	10.24	8.22	20.33
Production 5-1/2"	0'	10,825'	17.0	N-80	LTC	8.3	8.5	--	3.81	3.01	2.26

Assumptions:

- 1) Surface casing MASP = (frac gradient + 1.0 ppg) – gas gradient
- 2) Production casing MASP (production mode) = reservoir pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing
- 4) Surface tension calculations assume air weight of casing
- 5) Production tension calculations assume air weight in vertical portion of hole, plus 50,000 lbs overpull

All casing shall be new.

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

b. Cement Design

Job	Hole Size	Fill	Slurry Description	ft ³	OH Excess	Weight (ppg)	Yield (ft ³ /sk)
				Sacks			
Surface	12-1/4"	500'	Class G w/ 2% CaCl ₂ , 0.25 lbs/sk Cello Flake	237	15%	15.8	1.17
				203			
Production Lead	7-7/8"	4,197'	Premium Lite II w/ 3% KCl, 10% bentonite	836	15%	15.8	3.26
				257			
Production Tail	7-7/8"	1,565'	50/50 Poz/Class G w/ 3% KCl, 2% bentonite	312	15%	14.3	1.24
				251			

Actual cement volumes will be calculated from open hole logs, plus 15% excess.

Cement will be pumped through a port cementing collar located at the top of the curve. The lateral will be left uncemented. The lateral will be isolated with open hole packers.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

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.

The minimum diameter for conductor pipe shall be 13 3/8". The conductor pipe will be cemented back to surface or removed.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

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

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system.

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and a rotating head per **Exhibit C**. This system will be in accordance to the specifications listed in the Standard Operating Procedures for the Greater Monument Butte Green River Development Program.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

From surface to 500', an air system will be used. From 500' to TD, a fresh water or brine water system will be utilized. Anticipated maximum mud weight is 9.0 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.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

8. TESTING, LOGGING AND CORING PROGRAMS:

a. Logging Program:

(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL:

Top of the curve - 3,200'

CBL: A cement bond log will be run from KOP to the cement top of the production casing.
A field copy will be submitted to the Vernal BLM Office.

b. Cores: As deemed necessary.

c. Drill Stem Tests: No DSTs are planned in the Green River.

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

There is no abnormal pressure or temperature expected. Maximum anticipated bottomhole pressure will be approximately equal total true vertical depth in feet multiplied by a 0.433 psi/foot gradient.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

a. Drilling Activity

Anticipated Commencement Date:

Upon approval of the site specific APD.

Drilling Days: Approximately 18 days.
Completion Days: Approximately 12 - 20 days.

b. Notification of Operations

The Vernal BLM office will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form 3160-5), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or BLM policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the BLM before resumption of operations.

Daily drilling and completion reports shall be submitted to the Vernal BLM Office on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing.. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM Office.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the Vernal BLM Office within 60 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 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

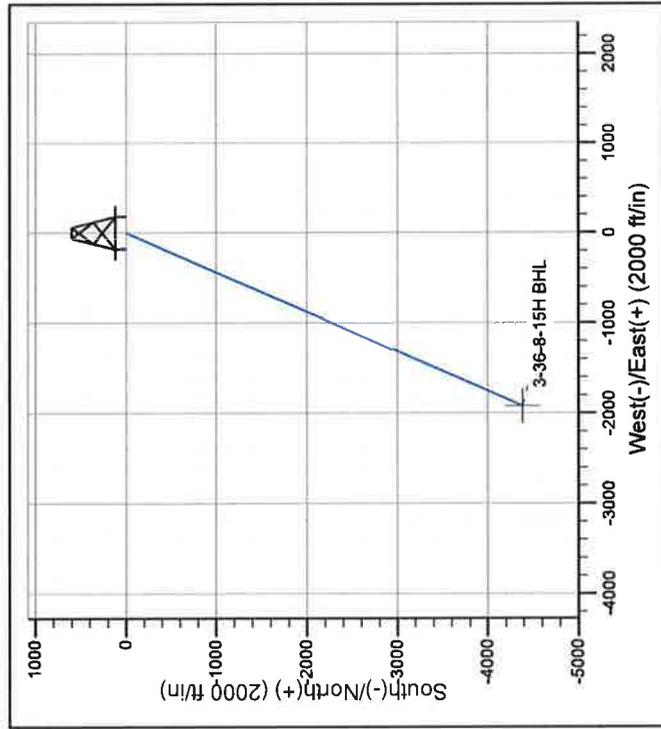
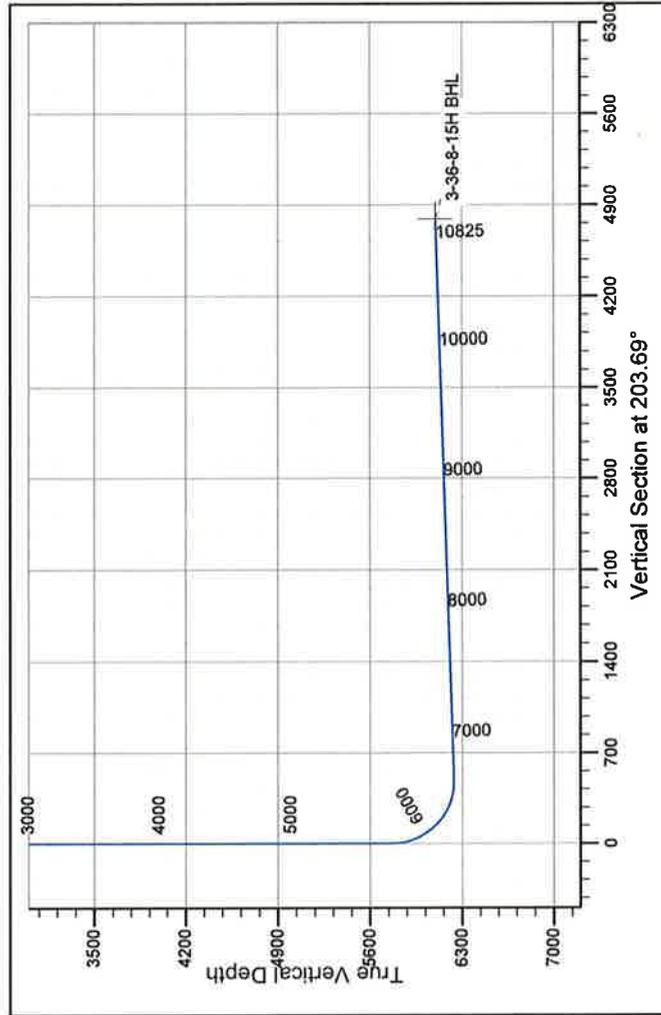
Please refer to the Monument Butte Field Standard Operation Procedure (SOP).



Newfield Production Company

T M Azimuths to True North
 Magnetic North: 11.54°
 Magnetic Field
 Strength: 52492.0snT
 Dip Angle: 65.85°
 Date: 12/31/2009
 Model: IGRF200510

Project: Monument Butte
Site: GMB 3-36-8-15H
Well: GMB 3-36-8-15H
Wellbore: Wellbore #1
Design: Design #1



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	0.0
2	5761.5	0.00	0.00	5761.5	0.0	0.0	0.00	0.00	0.0	0.0
3	6527.0	91.85	203.69	6238.8	-451.4	-198.0	12.00	203.69	492.9	
4	10824.9	91.85	203.69	6100.0	-4385.2	-1923.7	0.00	0.00	4788.6	3-36-8-15H BHL

PROJECT DETAILS: Monument Butte
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone
 System Datum: Mean Sea Level

Created by: Hans Wychgram
Date: 09-15-10

Newfield Production Company

Monument Butte

GMB 3-36-8-15H

GMB 3-36-8-15H

Wellbore #1

Plan: Design #1

Standard Planning Report

15 September, 2010

Newfield Exploration Planning Report

Database: EDM 2003.21 Single User Db	Local Co-ordinate Reference: Well GMB 3-36-8-15H
Company: Newfield Production Company	TVD Reference: KB @ 5417.0ft (Capstar #329)
Project: Monument Butte	MD Reference: KB @ 5417.0ft (Capstar #329)
Site: GMB 3-36-8-15H	North Reference: True
Well: GMB 3-36-8-15H	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Design #1	

Project	Monument Butte		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	GMB 3-36-8-15H				
Site Position:		Northing:	2,194,694.61 m	Latitude:	40° 4' 46.490 N
From:	Lat/Long	Easting:	612,380.94 m	Longitude:	110° 10' 56.170 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	0.84 °

Well	GMB 3-36-8-15H					
Well Position	+N/-S	0.0 ft	Northing:	2,194,694.61 m	Latitude:	40° 4' 46.490 N
	+E/-W	0.0 ft	Easting:	612,380.94 m	Longitude:	110° 10' 56.170 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,407.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	11.54	65.85	52,492

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 (°)
	0.0	0.0	0.0	203.69

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	
5,761.5	0.00	0.00	5,761.5	0.0	0.0	0.00	0.00	0.00	0.00	
6,527.0	91.85	203.69	6,238.8	-451.4	-198.0	12.00	12.00	0.00	203.69	
10,824.9	91.85	203.69	6,100.0	-4,385.2	-1,923.7	0.00	0.00	0.00	0.00	3-36-8-15H BHL

Newfield Exploration

Planning Report

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: GMB 3-36-8-15H
Well: GMB 3-36-8-15H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well GMB 3-36-8-15H
TVD Reference: KB @ 5417.0ft (Capstar #329)
MD Reference: KB @ 5417.0ft (Capstar #329)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Newfield Exploration Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GMB 3-36-8-15H
Company:	Newfield Production Company	TVD Reference:	KB @ 5417.0ft (Capstar #329)
Project:	Monument Butte	MD Reference:	KB @ 5417.0ft (Capstar #329)
Site:	GMB 3-36-8-15H	North Reference:	True
Well:	GMB 3-36-8-15H	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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,761.5	0.00	0.00	5,761.5	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	4.62	203.69	5,800.0	-1.4	-0.6	1.5	12.00	12.00	0.00
5,900.0	16.62	203.69	5,898.1	-18.3	-8.0	19.9	12.00	12.00	0.00
6,000.0	28.62	203.69	5,990.2	-53.4	-23.4	58.3	12.00	12.00	0.00
6,100.0	40.62	203.69	6,072.4	-105.3	-46.2	115.0	12.00	12.00	0.00
6,200.0	52.62	203.69	6,140.9	-171.8	-75.3	187.6	12.00	12.00	0.00
6,300.0	64.62	203.69	6,192.9	-249.8	-109.6	272.8	12.00	12.00	0.00
6,400.0	76.62	203.69	6,226.0	-336.0	-147.4	366.9	12.00	12.00	0.00
6,500.0	88.62	203.69	6,238.9	-426.7	-187.2	465.9	12.00	12.00	0.00
6,527.0	91.85	203.69	6,238.8	-451.4	-198.0	492.9	12.00	12.00	0.00
6,600.0	91.85	203.69	6,236.4	-518.2	-227.3	565.9	0.00	0.00	0.00
6,700.0	91.85	203.69	6,233.2	-609.7	-267.5	665.8	0.00	0.00	0.00
6,800.0	91.85	203.69	6,229.9	-701.3	-307.6	765.8	0.00	0.00	0.00
6,900.0	91.85	203.69	6,226.7	-792.8	-347.8	865.7	0.00	0.00	0.00
7,000.0	91.85	203.69	6,223.5	-884.3	-387.9	965.7	0.00	0.00	0.00
7,100.0	91.85	203.69	6,220.3	-975.9	-428.1	1,065.6	0.00	0.00	0.00
7,200.0	91.85	203.69	6,217.0	-1,067.4	-468.2	1,165.6	0.00	0.00	0.00
7,300.0	91.85	203.69	6,213.8	-1,158.9	-508.4	1,265.5	0.00	0.00	0.00
7,400.0	91.85	203.69	6,210.6	-1,250.4	-548.5	1,365.5	0.00	0.00	0.00
7,500.0	91.85	203.69	6,207.3	-1,342.0	-588.7	1,465.4	0.00	0.00	0.00
7,600.0	91.85	203.69	6,204.1	-1,433.5	-628.8	1,565.4	0.00	0.00	0.00
7,700.0	91.85	203.69	6,200.9	-1,525.0	-669.0	1,665.3	0.00	0.00	0.00
7,800.0	91.85	203.69	6,197.7	-1,616.6	-709.1	1,765.3	0.00	0.00	0.00
7,900.0	91.85	203.69	6,194.4	-1,708.1	-749.3	1,865.2	0.00	0.00	0.00
8,000.0	91.85	203.69	6,191.2	-1,799.6	-789.4	1,965.2	0.00	0.00	0.00
8,100.0	91.85	203.69	6,188.0	-1,891.2	-829.6	2,065.1	0.00	0.00	0.00
8,200.0	91.85	203.69	6,184.7	-1,982.7	-869.7	2,165.1	0.00	0.00	0.00
8,300.0	91.85	203.69	6,181.5	-2,074.2	-909.9	2,265.0	0.00	0.00	0.00
8,400.0	91.85	203.69	6,178.3	-2,165.7	-950.0	2,365.0	0.00	0.00	0.00
8,500.0	91.85	203.69	6,175.1	-2,257.3	-990.2	2,464.9	0.00	0.00	0.00
8,600.0	91.85	203.69	6,171.8	-2,348.8	-1,030.3	2,564.8	0.00	0.00	0.00
8,700.0	91.85	203.69	6,168.6	-2,440.3	-1,070.5	2,664.8	0.00	0.00	0.00
8,800.0	91.85	203.69	6,165.4	-2,531.9	-1,110.6	2,764.7	0.00	0.00	0.00
8,900.0	91.85	203.69	6,162.1	-2,623.4	-1,150.8	2,864.7	0.00	0.00	0.00
9,000.0	91.85	203.69	6,158.9	-2,714.9	-1,190.9	2,964.6	0.00	0.00	0.00
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9,200.0	91.85	203.69	6,152.5	-2,898.0	-1,271.2	3,164.5	0.00	0.00	0.00
9,300.0	91.85	203.69	6,149.2	-2,989.5	-1,311.4	3,264.5	0.00	0.00	0.00
9,400.0	91.85	203.69	6,146.0	-3,081.0	-1,351.5	3,364.4	0.00	0.00	0.00
9,500.0	91.85	203.69	6,142.8	-3,172.6	-1,391.7	3,464.4	0.00	0.00	0.00
9,600.0	91.85	203.69	6,139.5	-3,264.1	-1,431.9	3,564.3	0.00	0.00	0.00
9,700.0	91.85	203.69	6,136.3	-3,355.6	-1,472.0	3,664.3	0.00	0.00	0.00
9,800.0	91.85	203.69	6,133.1	-3,447.1	-1,512.2	3,764.2	0.00	0.00	0.00
9,900.0	91.85	203.69	6,129.9	-3,538.7	-1,552.3	3,864.2	0.00	0.00	0.00
10,000.0	91.85	203.69	6,126.6	-3,630.2	-1,592.5	3,964.1	0.00	0.00	0.00
10,100.0	91.85	203.69	6,123.4	-3,721.7	-1,632.6	4,064.1	0.00	0.00	0.00
10,200.0	91.85	203.69	6,120.2	-3,813.3	-1,672.8	4,164.0	0.00	0.00	0.00
10,300.0	91.85	203.69	6,116.9	-3,904.8	-1,712.9	4,264.0	0.00	0.00	0.00
10,400.0	91.85	203.69	6,113.7	-3,996.3	-1,753.1	4,363.9	0.00	0.00	0.00
10,500.0	91.85	203.69	6,110.5	-4,087.8	-1,793.2	4,463.9	0.00	0.00	0.00

Newfield Exploration

Planning Report

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: GMB 3-36-8-15H
Well: GMB 3-36-8-15H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well GMB 3-36-8-15H
TVD Reference: KB @ 5417.0ft (Capstar #329)
MD Reference: KB @ 5417.0ft (Capstar #329)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
10,600.0	91.85	203.69	6,107.3	-4,179.4	-1,833.4	4,563.8	0.00	0.00	0.00
10,700.0	91.85	203.69	6,104.0	-4,270.9	-1,873.5	4,663.8	0.00	0.00	0.00
10,800.0	91.85	203.69	6,100.8	-4,362.4	-1,913.7	4,763.7	0.00	0.00	0.00
10,824.9	91.85	203.69	6,100.0	-4,385.2	-1,923.7	4,788.6	0.00	0.00	0.00

3-36-8-15H BHL

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 3-36-8-15H
AT SURFACE: NE/NW SECTION 36, T8S, R15E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Greater Monument Butte 3-36-8-15H located in the NE¼ NW¼ Section 36, T8S, R15E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly – 6.4 miles to it's junction with an existing road to the southwest; proceed southwesterly – 2.8 miles ± to it's junction with an existing road to the south; proceed southerly – 0.5 miles ± to it's junction with an existing road to the southeast; proceed in a southeasterly direction – 0.8 miles ± to it's junction with the beginning of the proposed access road to the west; proceed southwesterly along the proposed access road -- 810' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

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

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 810' of access road is proposed. See attached **Topographic Map "B"**.

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

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to **EXHIBIT B**.

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

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

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

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

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

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

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

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

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

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

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

a) **Producing Location**

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

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from

the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

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

11. **SURFACE OWNERSHIP:** State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 810' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 831' of surface gas line to be granted. Newfield Production Company requests 838' of buried water line to be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 3" steel water injection line and a buried 3" poly water return line. The planned access road will consist of a 18' permanent running surface (9' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. 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.

Both the proposed surface gas 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 gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #08-301, 1/26/09. Paleontological Resource Survey prepared by, Wade E. Miller, 3/5/09. See attached report cover pages, Exhibit "D".

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte 3-36-8-15H, 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 Greater Monument Butte 3-36-8-15H Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Representative

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

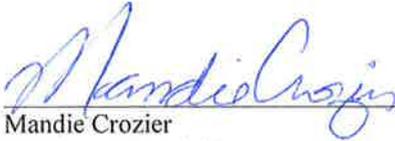
Certification

Please be advised that Newfield Production Company is considered to be the operator of well #3-36-8-15H, NE/NW Section 36, T8S, R15E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in

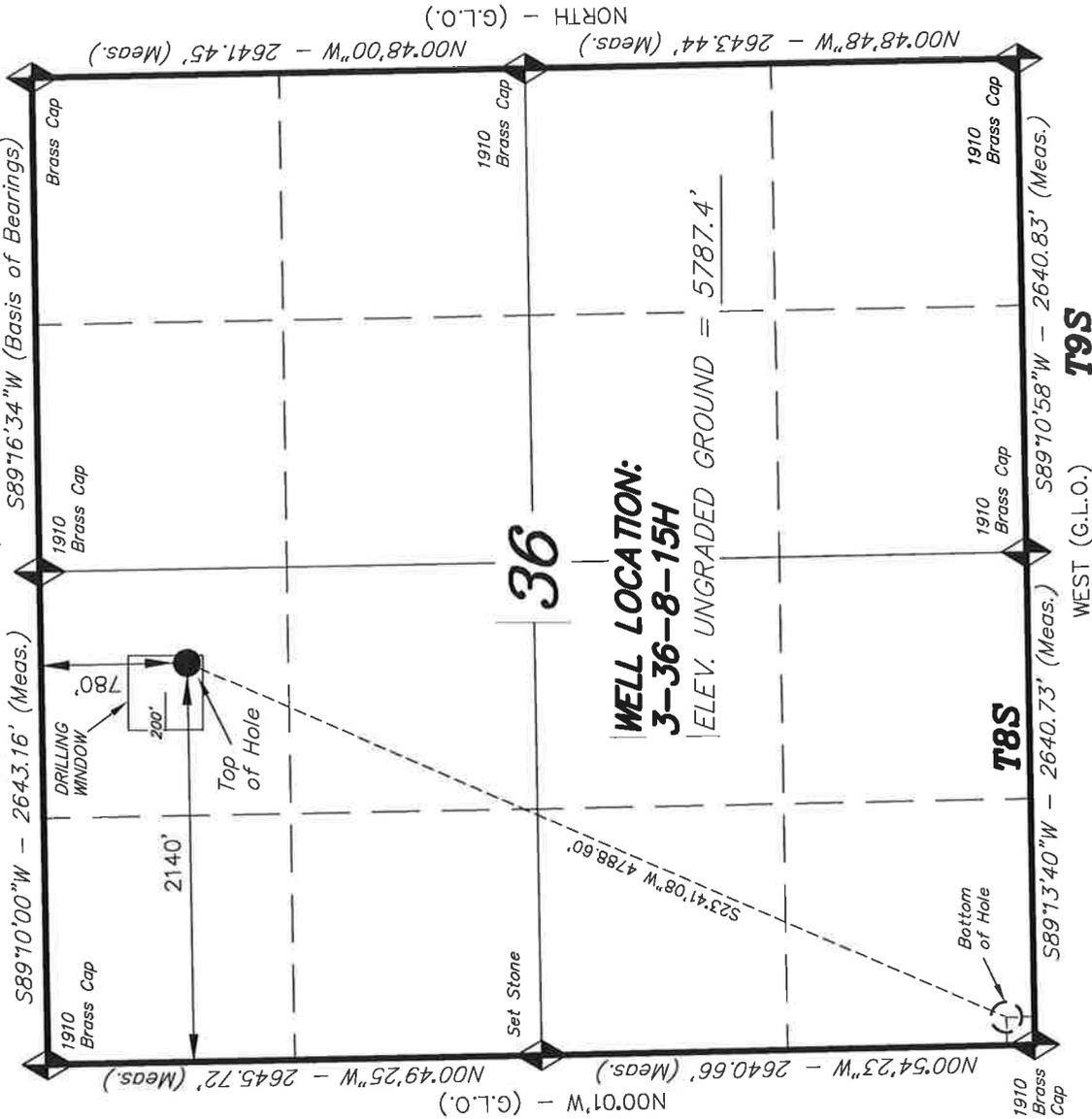
conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

9/17/10
Date _____


Mandie Crozier
Regulatory Specialist
Newfield Production Company

R15E, S.L.B.&M.

N89°55'W - 80.02 (G.L.O.) 2643.78' (Measured)
S89°16'34"W (Basis of Bearings)



◆ = SECTION CORNERS LOCATED

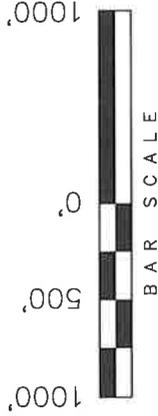
BASIS OF ELEV; Elevations are base on
LOCATION: an N.G.S. OPUS Correction.
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'

3-36-8-15H
(Surface Location) NAD 83
LATITUDE = 40° 04' 46.49"
LONGITUDE = 110° 10' 56.17"

NEWFIELD EXPLORATION COMPANY

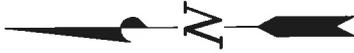
WELL LOCATION, 3-36-8-15H, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 36, T8S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 3-36-8-15H, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T8S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

- The bottom of hole footages are 150' FSL & 150' FWL.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 189377

STACY W.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED:
06-29-10
SURVEYED BY: S.H.

DATE DRAWN:
07-29-10
DRAWN BY: M.W.

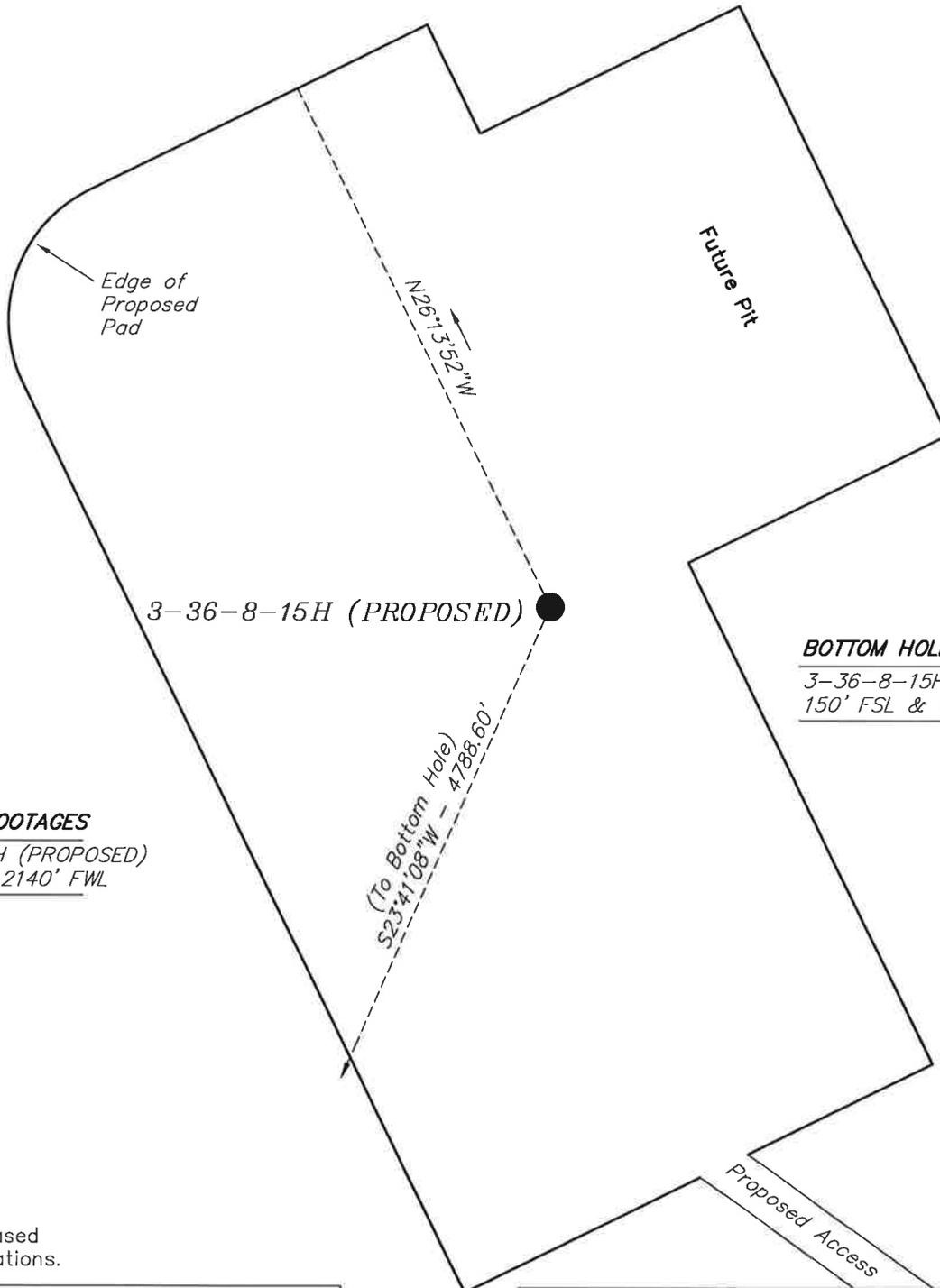
REVISED:
08-11-10 - M.W.
SCALE: 1" = 1000'

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

3-36-8-15H (Proposed Well)

Pad Location: NENW Section 36, T8S, R15E, S.L.B.&M.



TOP HOLE FOOTAGES
 3-36-8-15H (PROPOSED)
 780' FNL & 2140' FWL

BOTTOM HOLE FOOTAGES
 3-36-8-15H (PROPOSED)
 150' FSL & 150' FWL

Note:
 Bearings are based
 on GPS Observations.

<i>RELATIVE COORDINATES</i>		
<i>From top hole to bottom hole</i>		
WELL	NORTH	EAST
3-36-8-15H	-4385'	-1924'

<i>LATITUDE & LONGITUDE</i>		
<i>Surface position of Wells (NAD 83)</i>		
WELL	LATITUDE	LONGITUDE
3-36-8-15H	40° 04' 46.49"	110° 10' 56.17"

SURVEYED BY: S.H.	DATE SURVEYED: 06-29-10
DRAWN BY: M.W.	DATE DRAWN: 07-29-10
SCALE: 1" = 60'	REVISED: M.W. - 08-11-10

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

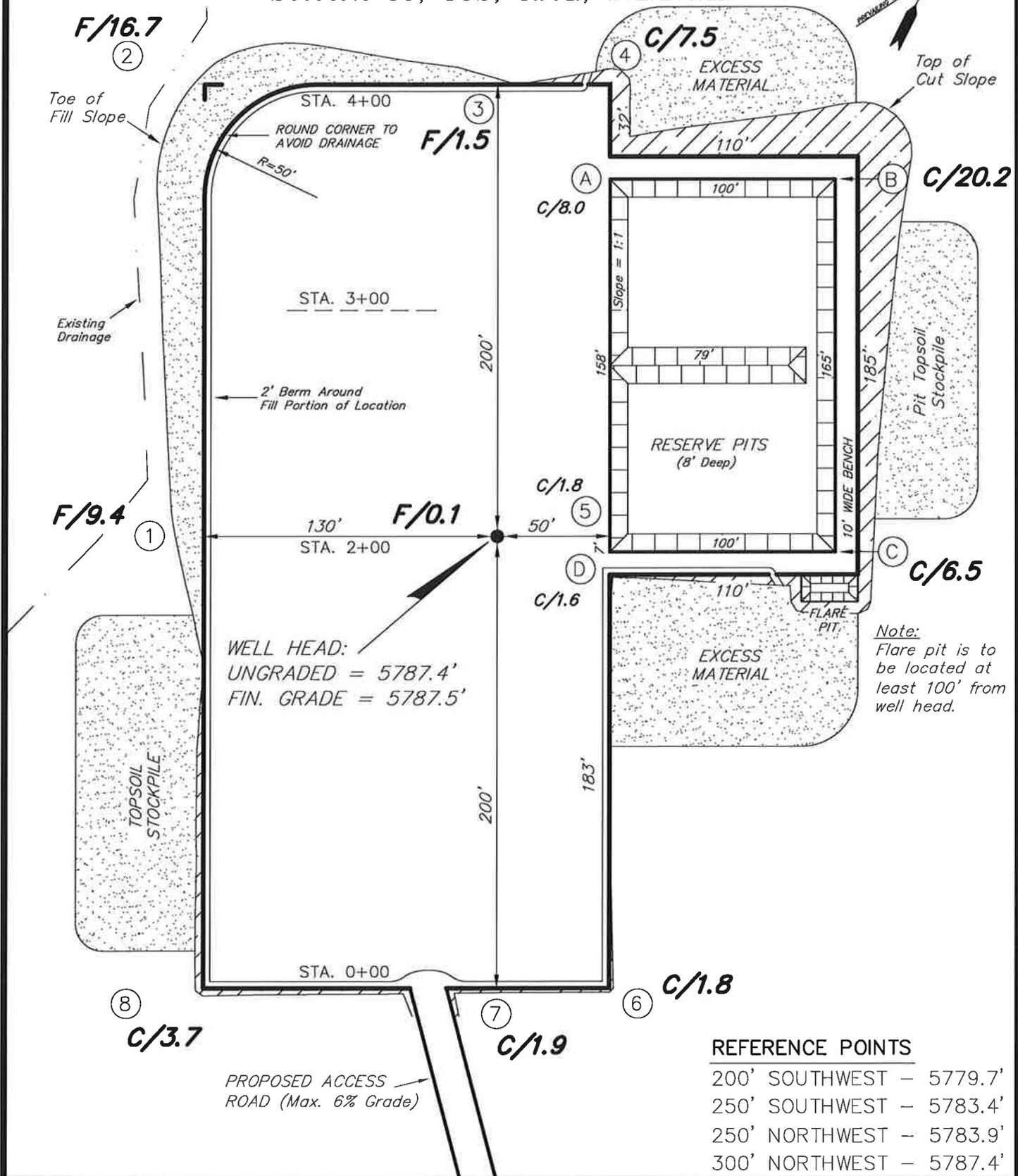
RECEIVED September 17, 2010

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

3-36-8-15H

Section 36, T8S, R15E, S.L.B.&M.



Note:
Flare pit is to be located at least 100' from well head.

REFERENCE POINTS

- 200' SOUTHWEST - 5779.7'
- 250' SOUTHWEST - 5783.4'
- 250' NORTHWEST - 5783.9'
- 300' NORTHWEST - 5787.4'

SURVEYED BY: S.H.	DATE SURVEYED: 06-29-10
DRAWN BY: M.W.	DATE DRAWN: 07-20-10
SCALE: 1" = 60'	REVISED: M.W. - 08-11-10

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

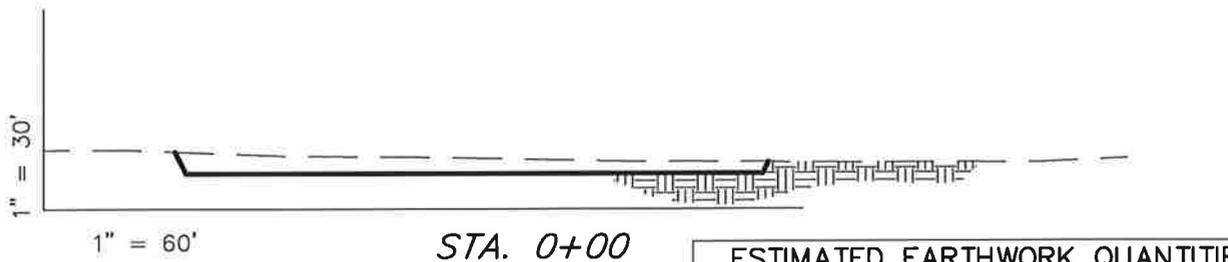
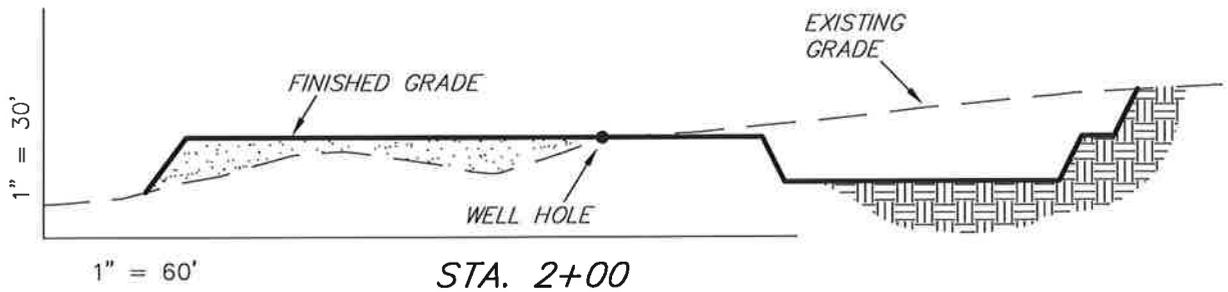
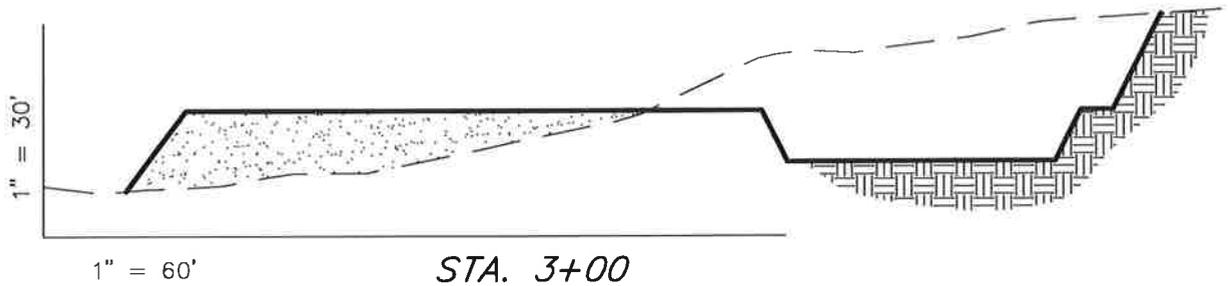
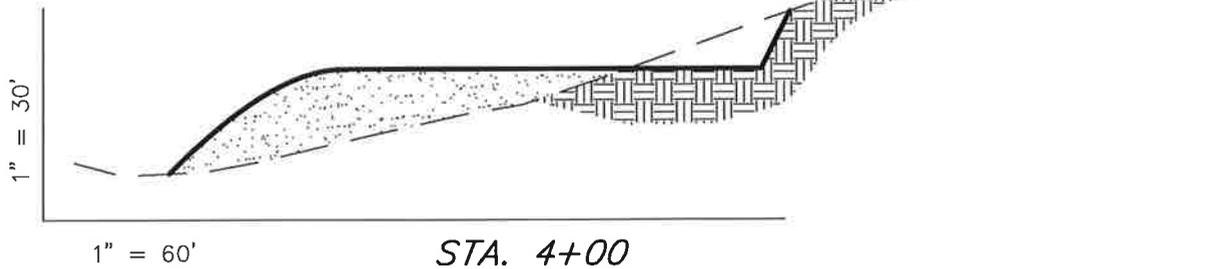
RECEIVED September 17, 2010

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

3-36-8-15H

Section 36, T8S, R15E, S.L.B.&M.



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	9,740	9,740	Topsoil is not included in Pad Cut	0
PIT	4,100	0		4,100
TOTALS	13,840	9,740	1,940	4,100

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

SURVEYED BY: S.H.	DATE SURVEYED: 06-29-10
DRAWN BY: M.W.	DATE DRAWN: 07-20-10
SCALE: 1" = 60'	REVISED: M.W. - 08-11-10

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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

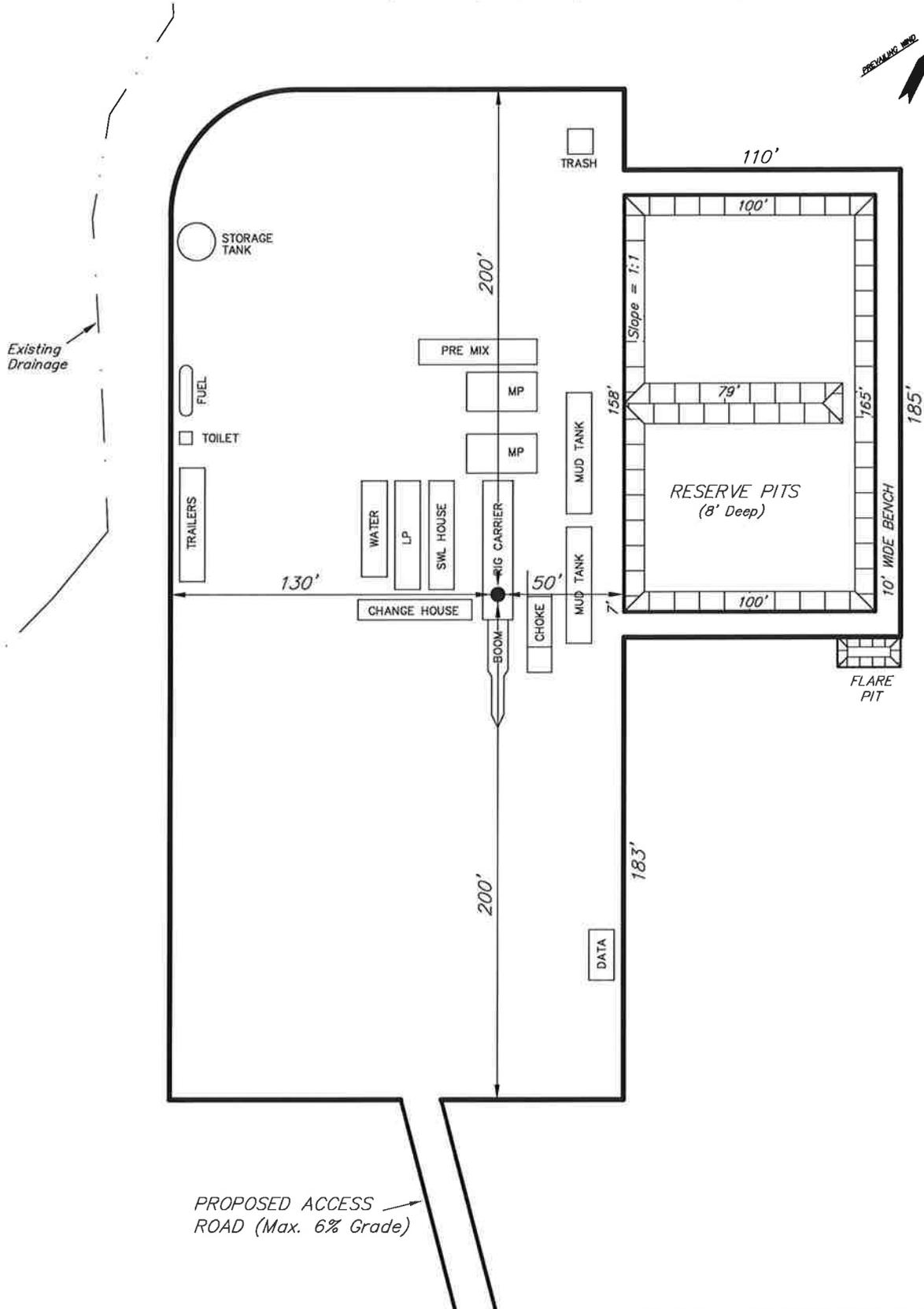
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NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

3-36-8-15H

Section 36, T8S, R15E, S.L.B.&M.

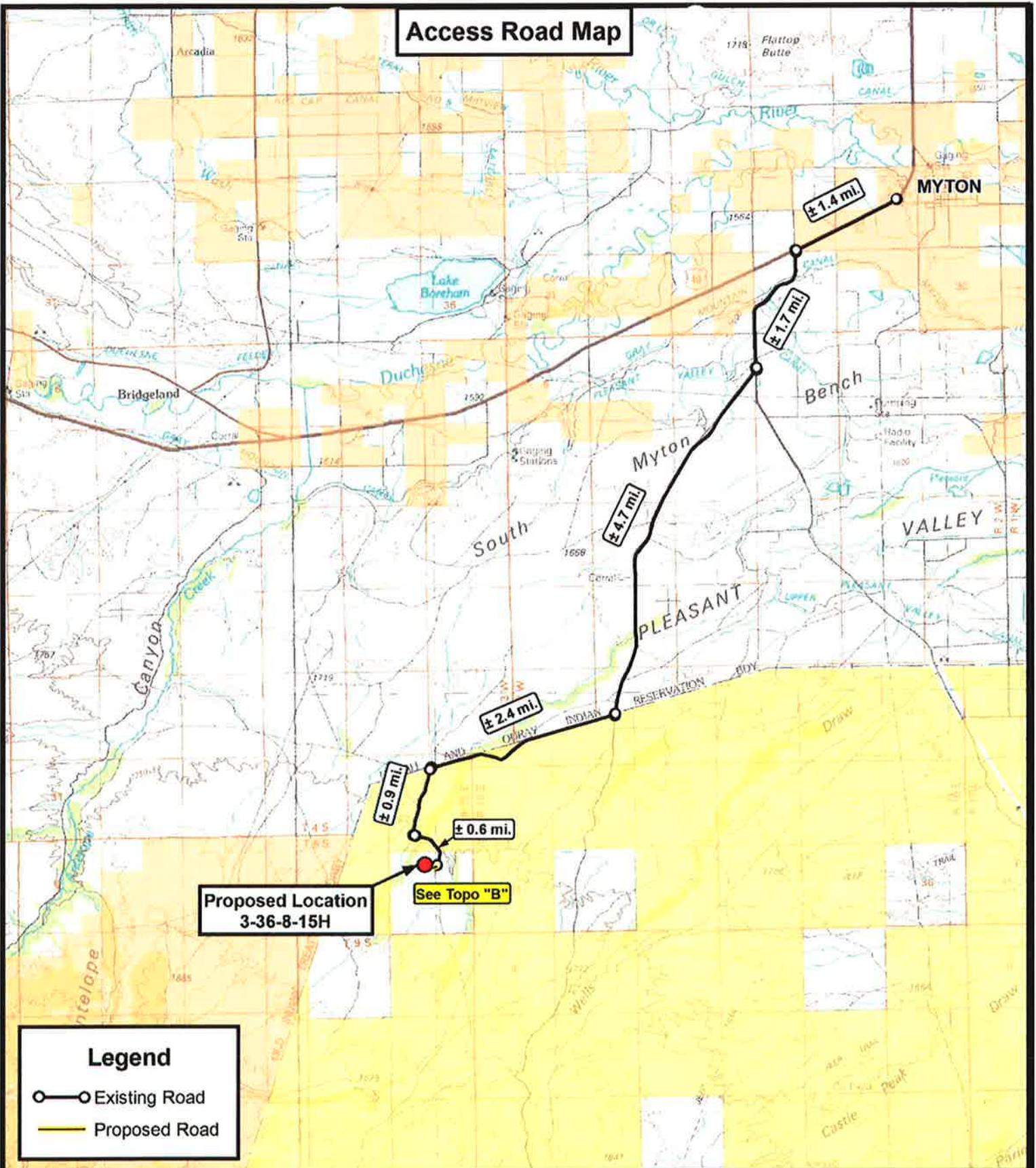


SURVEYED BY: S.H.	DATE SURVEYED: 06-29-10
DRAWN BY: M.W.	DATE DRAWN: 07-20-10
SCALE: 1" = 60'	REVISED: M.W. - 08-11-10

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Access Road Map



Legend

- Existing Road
- Proposed Road

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

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



NEWFIELD EXPLORATION COMPANY
 3-36-8-15H
 SEC. 36, T8S, R15E, S.L.B.&M.
 Duchesne County, UT.

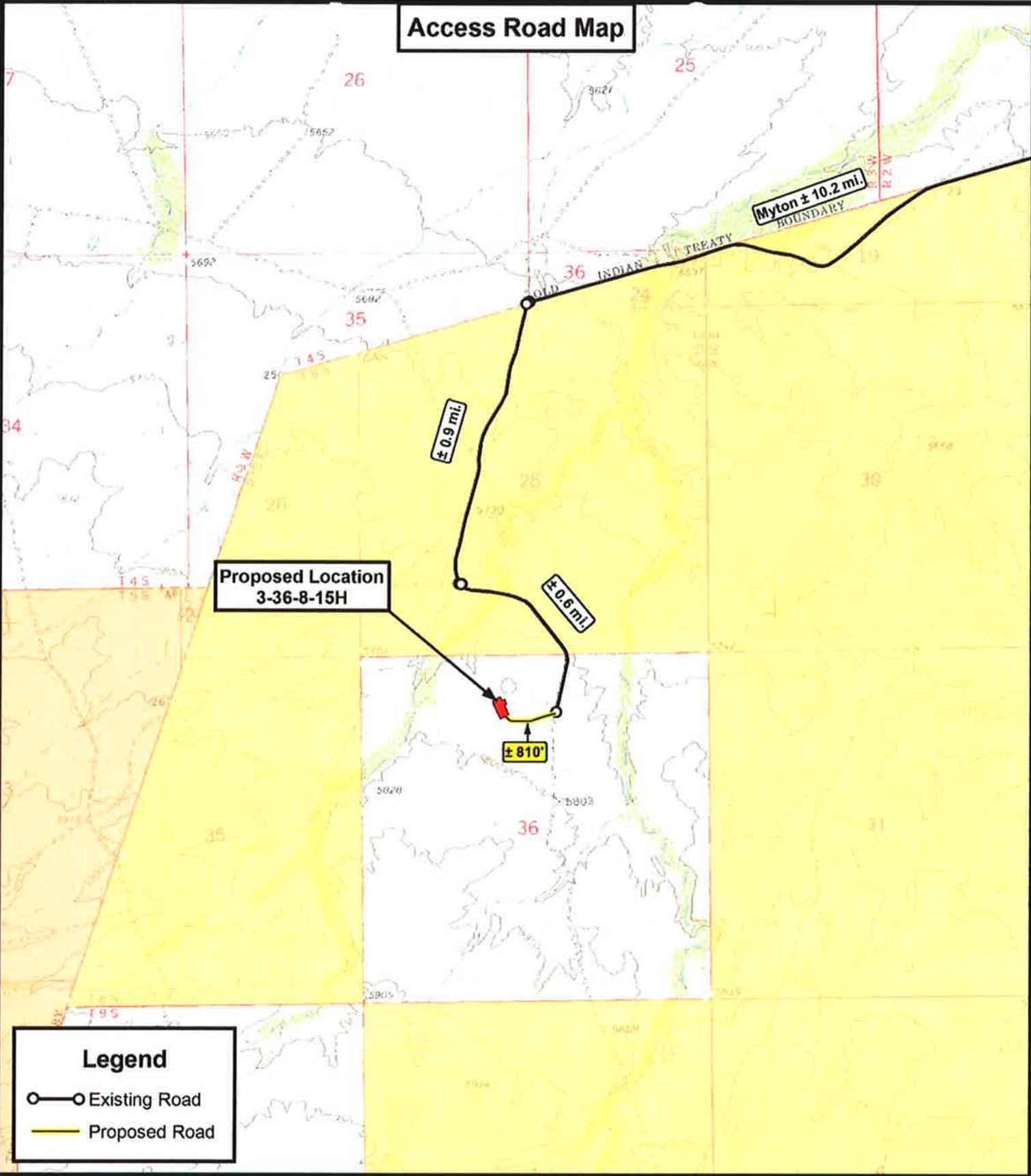
DRAWN BY:	C.H.M.
DATE:	08-07-2010
SCALE:	1:100,000

TOPOGRAPHIC MAP

SHEET
A

RECEIVED September 17, 2010

Access Road Map



Legend

- Existing Road
- Proposed Road

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

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

DRAWN BY:	C.H.M.
DATE:	08-07-2010
SCALE:	1" = 2,000'



NEWFIELD EXPLORATION COMPANY

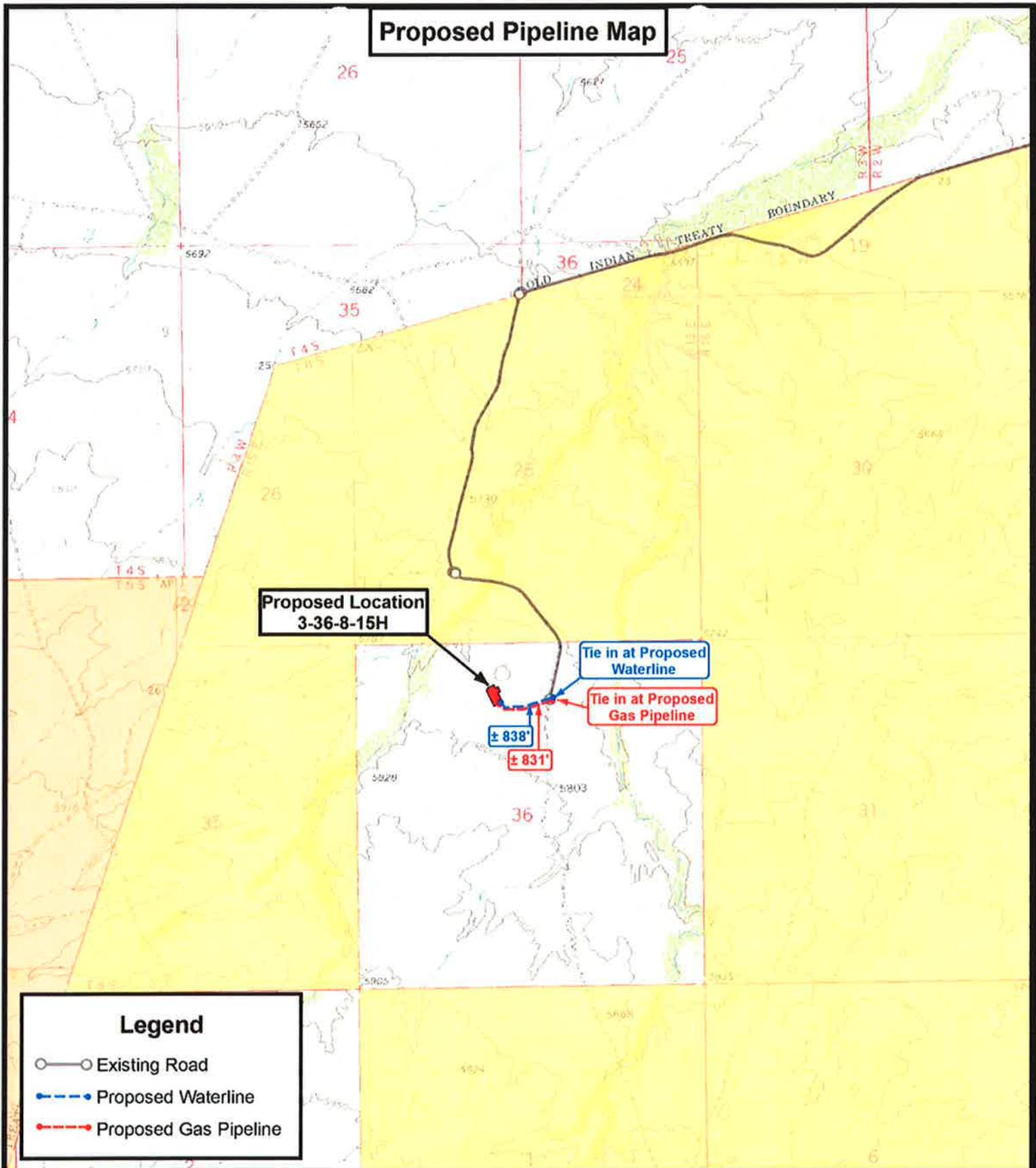
3-36-8-15H
SEC. 36, T8S, R15E, S.L.B.&M.
Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET
B

RECEIVED September 17, 2010

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Waterline
- Proposed Gas Pipeline

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

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



NEWFIELD EXPLORATION COMPANY

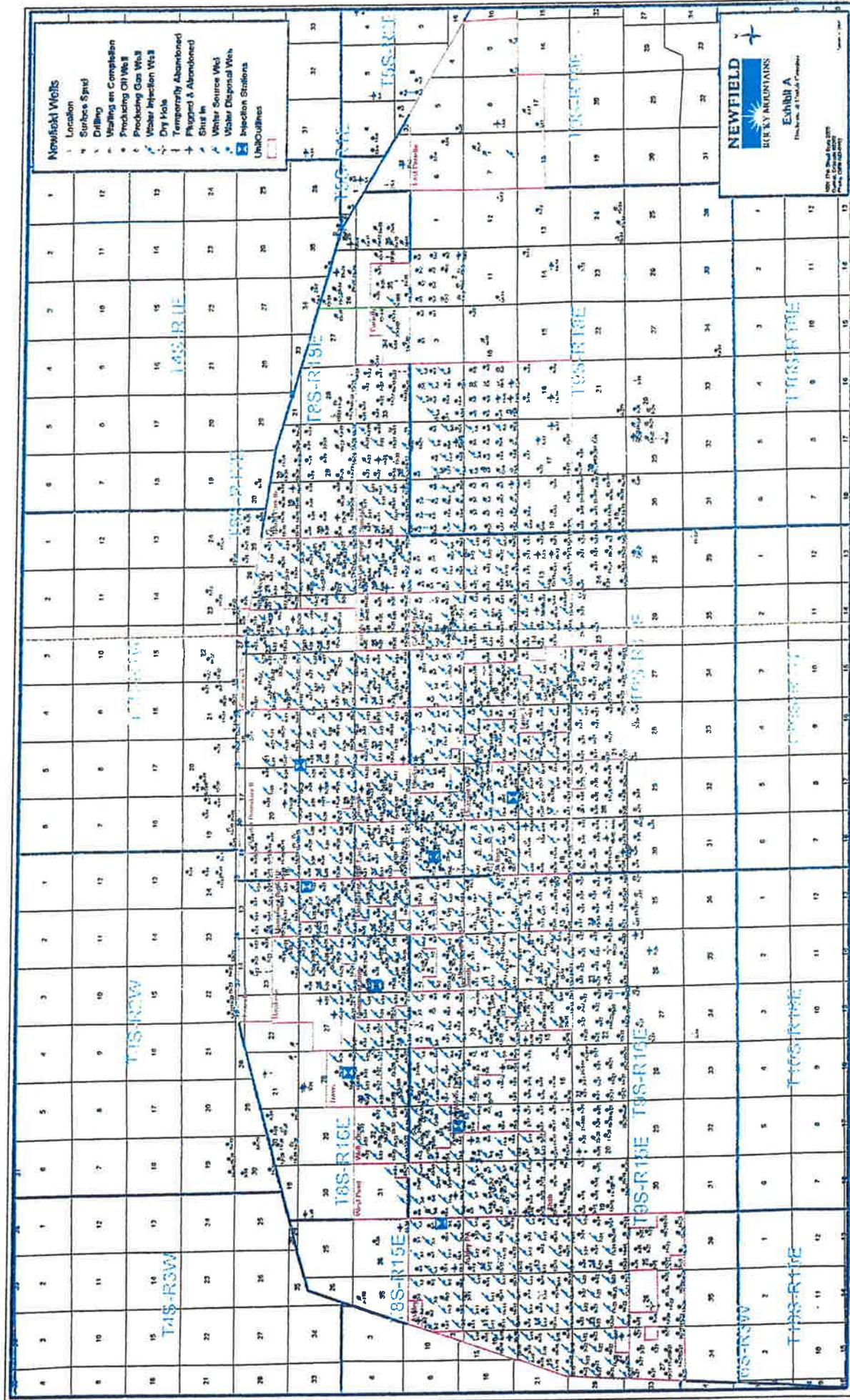
3-36-8-15H
SEC. 36, T8S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	08-07-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
C

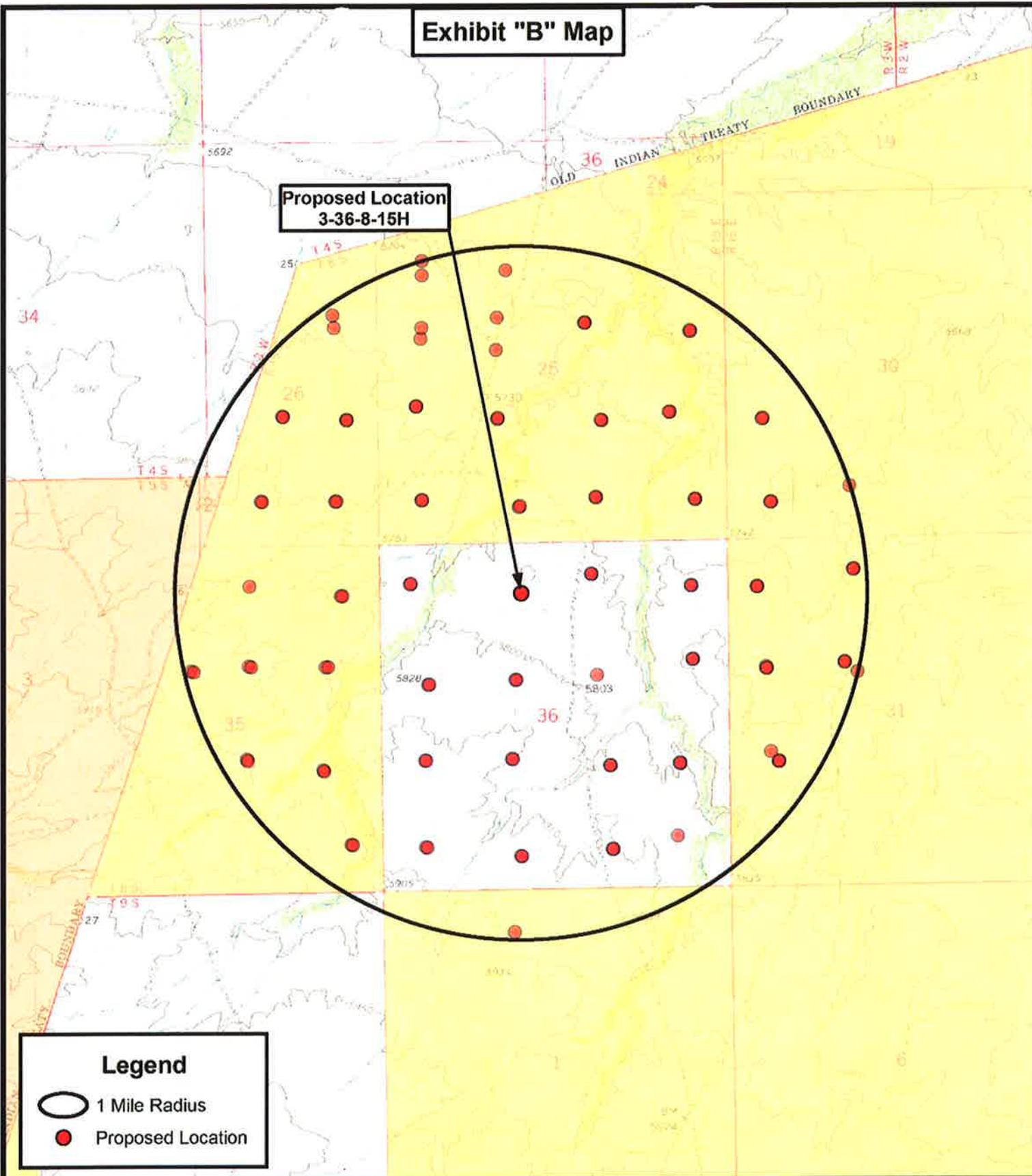
RECEIVED September 17, 2010



RECEIVED September 17, 2010

Exhibit "B" Map

Proposed Location
3-36-8-15H



Legend

- 1 Mile Radius
- Proposed Location

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

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



NEWFIELD EXPLORATION COMPANY

3-36-8-15H
SEC. 36, T8S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	08-07-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET **D**

3-36-8-15H

Exhibit "D"

1 of 2

**CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S FOUR BLOCK PARCELS
(T8S, R15E, SECTIONS 25, 26, 35, AND 36)
DUCHESNE COUNTY, UTAH**

By:

Nicole Shelnut

Prepared For:

**Bureau of Land Management
Vernal Field Office
and
School & Institutional
Trust Lands Administration**

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 08-301

January 26, 2009

**United States Department of Interior (FLPMA)
Permit No. 08-UT-60122**

**State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-1227b,s**

RECEIVED September 17, 2010

3-36-8-15H

2 of 2

NEWFIELD EXPLORATION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE & Uintah COUNTIES, UTAH
(Includes Water Pipeline Surveys)**

Section 36 [Entire Section, excluding SW 1/4, NE 1/4 & SE 1/4, SE 1/4 (7 & 16-36-8-15)];
Section 25 [Entire Section]; Section 26 [SE 1/4, NE 1/4, & SE 1/4 (8, 9, 10, 15 & 16-26-8-15)];
Section 35 [NE 1/4, SE 1/4 & SW 1/4, NE 1/4 (1, 7 & 8-35-8-15), SE 1/4, NW 1/4 (6-35-8-15),
NE 1/4 & SE 1/4, SW 1/4 (11 & 14-35-8-15), & SE 1/4 (9, 10, 15 & 16-35-8-15)]. NE 1/4 & SE
1/4, Section 32, T 8 S, R 17 E (11 & 14-32-8-17); NE 1/4, SE 1/4, Section 6, T 9 S, R 19 E (43-
6-9-19); NE 1/4, SE 1/4, Section 7, T 9 S, R 17 E (43-7-9-17); SE 1/4, SE 1/4, Section 4, T 9 S,
R 16 E (16-4-9-16)

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
March 5, 2009

CONFIDENTIAL

spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig # 29

Submitted By Don Bastian Phone Number 435-823-6012

Well Name/Number Greater Monument Butte 3-36-8-15H

Qtr/Qtr NE/NW Section 36 Township 8S Range 15E

Lease Serial Number ML-21835

API Number 43-013-34232

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

Date/Time 12/26/10 8:00 AM PM

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

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

Date/Time 12/27/10 10:00 AM PM

BOPE

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

Date/Time 12/24/10 2:00 AM PM

Remarks Ross Rig #29 Will Spud The Greater Monument Butte
3-36-8-15H @ 8:00 AM 12/26/10 And Run 8 5/8" Casing @ 10:00
AM 12/27/10

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21835
---	---

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMB 3-36-8-15H
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013342320000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0780 FNL 2140 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 08.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/4/2011	<input type="checkbox"/> ACIDIZE	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield requests to change the production casing design for the above mentioned well that is currently being drilled. The change in design is in the horizontal portion of the well only. Due to geological requirements, a special density LWD (logging while drilling) tool will be used. This tool is only available in 4-3/4" tool size. The well will be drilled as previously submitted in the vertical and curve sections (7-7/8" hole size). Once the well is landed in the Basal Carbonate formation the hole size will be changed to 6-1/8". The production casing will be changed to 4-1/2", 11.6#, N-80, LTC in the lateral portion of the well only. All other tubulars and production casing info will remain as originally submitted.

Approved by the Utah Division of Oil, Gas and Mining

Date: 01/10/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 1/4/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013342320000

Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1300' MD in order to adequately isolate the Green River formation.

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

Date: 01/10/2011
By: David K. Quist

Well name: **43013342320001 State 3-36-8-15Hrev.**
 Operator: **Newfield Production Company**
 String type: **Production**
 Location: **Duchesne County**
 Project ID: **43-013-34232-0001**

Design parameters:
Collapse
 Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:
Collapse:
 Design factor 1.125

Environment:
 H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 150 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft

Burst
 Max anticipated surface pressure: 1,510 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,852 psi
 No backup mud specified.

Burst:
 Design factor 1.00

Cement top: ~~2100~~ ft
 ± 2100' w/12' window
 * Bring Cont above 612

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

Directional well information:
 Kick-off point 5762 ft
 Departure at shoe: 4788 ft
 Maximum dogleg: 12 °/100ft
 Inclination at shoe: 91.86 °

Tension is based on buoyed weight.
 Neutral point: 5,279 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10825	4.5	11.60	N-80	LT&C	6100	10825	3.875	944.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2852	6350	2.227 ✓	2883	7780	2.70 ✓	61	223	3.64 J ✓

Approved by the Utah Division of Oil, Gas and Mining

Date: 01/10/2011
 By: Derek Duff

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

Phone: 810-538-5357

Date: January 10, 2011
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 6100 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.
 Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
B	99999	17400 ✓	4301334224	STATE 12-36-8-15	NWSW	36	8S	15E	DUCHESNE	12/29/2010	1/26/2011
WELL 1 COMMENTS: GRRV											
B	99999	17400 ✓	4301334229	STATE 6-36-8-15	SENW	36	8S	15E	DUCHESNE	12/23/2010	1/26/2011
WELL 1 COMMENTS: GRRV											
B	99999	17400 ✓	4301334232	GREATER MON BUTTE 3-36-8-15H	NENW	36	8S	15E	DUCHESNE	12/26/2010	1/26/2011
WELL 1 COMMENTS: GRRV BHL SWSW											
B	99999	17400 ✓	4301350213	GREATER MON BUTTE P-26-8-16	SESE	27 26	8S	16E	DUCHESNE	12/30/2010	1/26/2011
WELL 1 COMMENTS: GRRV BHL Sec 26 SWSW											
B	99999	17400 ✓	4301350214	GREATER MON BUTTE E-35-8-16	SESE	27 35	8S	16E	DUCHESNE	12/29/2010	1/26/2011
WELL 1 COMMENTS: GRRV BHL Sec 35 NWNW											
B	99999	17400 ✓	4301350235	GREATER MON BUTTE J-25-8-16	SENE	25	8S	16E	DUCHESNE	12/29/2010	1/26/2011
WELL 1 COMMENTS: GRRV BHL SWSE											

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ACTION CODES (See Instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

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JAN 18 2011

[Signature]
 Signature _____ Jentri Park
 Production Clerk _____ 01/04/11

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

DIV. OF OIL, GAS & MINING

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

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTAH STATE MILE 21335

6. INDIAN, AELCITTEE OR TRIBE NAME:

7. UNIT or O/A AGREEMENT NAME:

GMBU

SUNDRY NOTICES AND REPORTS ON WELLS

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

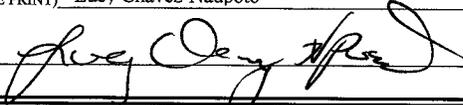
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		8. WELL NAME and NUMBER: STATE 3-36-8-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4301334232
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0780 FNL, 2140 FWL		COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 36, T8S, R15E		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/26/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 02-26-11, attached is a daily completion status report.

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>03/16/2011</u>

(This space for State use only)

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MAR 21 2011

DIV OF OIL GAS & MINING

Daily Activity Report

Format For Sundry

GREATER MB 3-36-8-15H**12/1/2010 To 4/28/2011****1/24/2011 Day: 1****Completion**

Rigless on 1/24/2011 - Set HE plug & dump bail sand on plug. - MIRU The Perforators wireline. Set HE plug @ 5820'. Dump bail sand on top of plug. RD wireline. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$7,386**

1/26/2011 Day: 2**Completion**

NC #3 on 1/26/2011 - MIRU NC #3. RU Schaeffer BOP. RIH w/ tbg. Open port collar. Pump cement to surface. Shut port collar. Pressure test csg. & port collar to 3000 psi. SWIFN. - MIRU NC #3. NU Schaeffer BOP. RIH w/ port collar shifting tool & 2 7/8" tbg. Latch into port collar @ 5727'. RU BJ Services. Put 200 psi on tbg. Open port collar. Pump 300 sks 11 ppg cement & 320 sks 14.4 ppg cement down tbg. returning up surface csg. Returned good cement at surface. Shut port collar. RIH w/ tbg. to 5765'. Reverse circulate down csg. up tbg. for cleanup. Pressure test csg. & port collar to 3000 psi. No bleed off. Pull up to 5604'. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$28,375**

1/27/2011 Day: 3**Completion**

NC #3 on 1/27/2011 - ND BOP. RD NC #3. - ND BOP. Hang tbg. off on B1 adapter. RD NC #3. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$30,318**

2/1/2011 Day: 4**Completion**

Nabors #1608 on 2/1/2011 - MIRU Nabors #1608. NU BOP. POOH w/ tbg. NU frac mandrel & 10k frac valve. Pressure test to 6200 psi. - MIRU Nabors #1608. ND BOP. RIH w/ tbg. Tag fill @ 5997'. POOH w/ tbg. ND BOP. NU Cameron frac mandrel and Weatherford 10K frac valve. RU Heat Waves pump truck. Pressure test csg., frac mandrel & frac valve to 6200 psi. RD pump truck. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$36,465**

2/7/2011 Day: 5**Completion**

Nabors #1608 on 2/7/2011 - Run CBL. - Install 5M frac head. NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5955' cement top @ 90'. SWIFN.

Daily Cost: \$0**Cumulative Cost: \$43,397**

2/12/2011 Day: 6**Completion**

Nabors #1608 on 2/12/2011 - RU frac tree & flowback manifold & lines. - RU Weatherford frac tree. RU flowback lines. Pressure test frac tree & flowback manifold to 7000 psi.

Daily Cost: \$0

Cumulative Cost: \$49,722

2/22/2011 Day: 7

Completion

Nabors #1608 on 2/22/2011 - Frac 5 of 12 stages. - Frac remaining stages. Will enter stimulation reports when BJ Services finishes frac report. Open well to pit for immediate flowback. - ND Weatherford frac tree. RU The Perforators wireline. Set Weatherford WRP plug @ 1010'. Bleed off well. RD wireline. ND frac valve & frac sleeve. NU Cameron BOP w/ slip rams, Schaeffer BOP & mini snubbing unit. SWIFN. - Frac 5 of 12 stages. Will enter stimulation report when BJ Services finishes frac report. - Frac remaining stages. Will enter stimulation reports when BJ Services finishes frac report. Open well to pit for immediate flowback. - Frac 5 of 12 stages. Will enter stimulation report when BJ Services finishes frac report. - ND Weatherford frac tree. RU The Perforators wireline. Set Weatherford WRP plug @ 1010'. Bleed off well. RD wireline. ND frac valve & frac sleeve. NU Cameron BOP w/ slip rams, Schaeffer BOP & mini snubbing unit. SWIFN. - Frac remaining stages. Will enter stimulation reports when BJ Services finishes frac report. Open well to pit for immediate flowback. - Frac 5 of 12 stages. Will enter stimulation report when BJ Services finishes frac report. - ND Weatherford frac tree. RU The Perforators wireline. Set Weatherford WRP plug @ 1010'. Bleed off well. RD wireline. ND frac valve & frac sleeve. NU Cameron BOP w/ slip rams, Schaeffer BOP & mini snubbing unit. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$73,531

2/23/2011 Day: 10

Completion

WWS #5 on 2/23/2011 - POOH w/ plug. Snub in hole w/ partial production string. - Snub in hole w/ retrieving head & tbg. Latch onto plug. Release plug. Snub out of hole w/ tbg. LD plug. Snub in hole w/ partial tbg. string. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$521,132

2/24/2011 Day: 11

Completion

WWS #5 on 2/24/2011 - Cont. RIH w/ tbg. ND BOP. Attempt to set TAC w/ no success. NU BOP. - 750 psi on well. Cont. RIH w/ tbg. string. Circulate well w/ 10# brine. ND BOP. Attempt to set TAC w/ no success. NU BOP.

Daily Cost: \$0

Cumulative Cost: \$570,075

2/25/2011 Day: 12

Completion

WWS #5 on 2/25/2011 - Round trip tbg. for new TAC. ND BOP. Set TAC @ 6112' w/ 18,000# tension. NU wellhead. RD. - Csg. @ 75 psi, tbg. @ 75 psi. Bleed off well. POOH w/ tbg., stopping once to circulate well clean (swabbing oil w/ TAC). TAC was missing one set of drag springs. MU new TAC. RIH w/ tbg., drifting tbg. ND BOP. Set TAC @ 6112' w/ 18,000# tension. NU wellhead. RD.

Daily Cost: \$0

Cumulative Cost: \$623,173

2/26/2011 Day: 13**Completion**

Rigless on 2/26/2011 - Run Corod. Seat pump. Stroke test to 600 psi. Good pump action. RU pumping unit. Hang off rods. - MIRU Weatherford Corod unit. Flush tbg. w/ 50 bbls water. RIH w/ CDI 2 1/2" x 1 3/4" x 20' RTBC MacGyver pump, 3/4" x 2' stabalizer sub, on/off tool, 3/4" x 2' stabalizer sub, SE 4 corod, 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. Stroke test to 600 psi. Good pump action. RU pumping unit. Hang off rods. Counter weights need to be adjusted. MIRU B&G Crane. Adjust counter weights. PWOP @ 7:00 p.m. 4.5 SPM, 144" stroke length. **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$689,703

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
ML-21835

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

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.
GMB 3-36-8-15H

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 780' FNL & 2140' FWL (NE/NW) SEC. 36, T8S, R15E (ML-21835)

BHL reviewed by HSM

9. AFI Well No.
43-013-34232

10. Field and Pool or Exploratory
GREATER MB UNIT

At top prod. interval reported below 1444' FNL & 1602' FWL (SE/NW) SEC. 36, T8S, R15E (ML-21835)
 At total depth 132' FSL & 261' FWL (SW/SW) SEC. 36, T8S, R15E (ML-21835)

11. Sec., T., R., M., on Block and Survey or Area
SEC. 36, T8S, R15E

12. County or Parish DUCHESNE
13. State UT

14. Date Spudded 12/26/2010
15. Date T.D. Reached 01/23/2011
16. Date Completed 02/25/2011
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5787' GL 5799' KB

18. Total Depth: MD 10844' TVD 6128' 17
19. Plug Back T.D.: MD 10803' TVD 6120

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 Cements Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	508'		260 CLASS G			
7-7/8"	5-1/2" M-80	17#	0	6564'		300 PRIMLITE		90'	
6-1/8"	5-1/2" P-110	11.6#	6564'	10806'		320 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@ 6278'	TA @ 6112'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	6786'	10673'	6786-10673'	16.9 sq. in.	12	Sliding Sleeve
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6786-10673'	Frac w/ 711581#s 100 mesh & 30/50 sand in 26537 bbls of fluid in 12 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/18/11	03/15/11	24	→	122	51	25			CDI 2-1/2" x 1-3/4" x 20' RTBC MacGyver Pump, 3/4" x 2' stabilizer sub, on/off tool
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	
			→						

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

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)
 SOLD & 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
GREEN RIVER	6786'	10673'		GARDEN GULCH MRK	3848'
				GARDEN GULCH 1	4078'
				GARDEN GULCH 2	4195'
				POINT 3	4466'
				X MRKR	4738'
				Y MRKR	4774'
				DOUGALS CREEK MRK	4890'
BI CARBONATE MRK	5139'				
B LIMESTON MRK	5264'				
CASTLE PEAK	5787'				
BASAL CARBONATE	6315'				

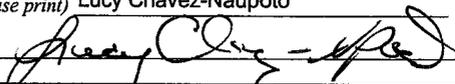
32. Additional remarks (include plugging procedure):

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

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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) Lucy Chavez-Naupoto Title Administrative Assistant
 Signature  Date 06/03/2011



Weatherford®

Weatherford International Ltd.
2000 Oil Drive
Casper, WY 82604
Tel. 307-268-7900 Fax 307-235-3958

Date: January 17, 2011

Attention: Lucy Chavez-Naupoto

Re: Newfield Exploration
GMB 3-36-8-15H
DUCHESNE COUNTY, UT

Attached to this letter is a copy of the surveys taken by Precision Energy Services, a Weatherford International Ltd. company, MWD equipment on the subject well. The surveys from 527' to 10784' MD represent, to the best of our knowledge, a true and accurate survey of the wellbore at the time the survey was run.



Tracy Williams

Validity unknown

Tracy Williams
Well Planning Department

Digitally signed by
Tracy Williams
DN: cn=Tracy
Williams,
o=Weatherford
International Ltd., c=US
Date: 2009.09.22
09:41:38 -06'00'

Cc: Hans Wychgram
Newfield Exploration

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DIV OF OIL, GAS & MINING



Weatherford International Ltd.
Survey Report



Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-36-8-15H
Well: GMB 3-36-8-15H
Wellbore: GMB 3-36-8-15H
Design: GMB 3-36-8-15H

Local Co-ordinate Reference: Well GMB 3-36-8-15H
TVD Reference: WELL @ 5800.00ft (CAPSTAR 329)
MD Reference: WELL @ 5800.00ft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	DUCHESNE COUNTY, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	GMB 3-36-8-15H				
Site Position:	Northing:	7,200,427.22 ft	Latitude:	40° 4' 46.490 N	
From:	Lat/Long	Easting:	2,009,119.80 ft	Longitude:	110° 10' 56.170 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.84 °

Well	GMB 3-36-8-15H					
Well Position	+N/-S	0.00 ft	Northing:	7,200,427.22 ft	Latitude:	40° 4' 46.490 N
	+E/-W	0.00 ft	Easting:	2,009,119.80 ft	Longitude:	110° 10' 56.170 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,787.40 ft	

Wellbore	GMB 3-36-8-15H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/21/2010	11.47	65.83	52,293

Design	GMB 3-36-8-15H				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	220.24	

Survey Program	Date 5/17/2011	
From (ft)	To (ft)	Survey (Wellbore)
527.00	10,844.00	Survey #1 (GMB 3-36-8-15H)
Tool Name	Description	
MWD	MWD - Standard	

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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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527.00	0.46	321.09	526.99	1.65	-1.33	-0.40	0.09	0.09	0.00
619.00	0.62	197.97	618.99	1.46	-1.71	-0.01	1.04	0.17	-133.83
709.00	0.53	203.64	708.99	0.62	-2.03	0.84	0.12	-0.10	6.30
739.00	0.49	189.53	738.99	0.36	-2.11	1.09	0.44	-0.13	-47.03
861.00	0.57	196.26	860.98	-0.74	-2.36	2.09	0.08	0.07	5.52
952.00	0.70	201.80	951.98	-1.69	-2.70	3.03	0.16	0.14	6.09
1,042.00	0.70	217.09	1,041.97	-2.63	-3.23	4.10	0.21	0.00	16.99
1,133.00	0.44	193.53	1,132.96	-3.42	-3.65	4.97	0.38	-0.29	-25.89
1,224.00	0.48	178.24	1,223.96	-4.14	-3.72	5.56	0.14	0.04	-16.80
1,314.00	0.26	178.64	1,313.96	-4.72	-3.70	6.00	0.24	-0.24	0.44
1,405.00	0.44	174.15	1,404.96	-5.27	-3.66	6.39	0.20	0.20	-4.93
1,496.00	0.26	189.10	1,495.96	-5.83	-3.66	6.81	0.22	-0.20	16.43

DEPT. OF OIL, GAS & MINING



Company: NEWFIELD EXPLORATION CO.
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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)
1,586.00	0.53	198.54	1,585.95	-6.42	-3.83	7.37	0.31	0.30	10.49
1,677.00	0.40	212.87	1,676.95	-7.09	-4.13	8.08	0.19	-0.14	15.75
1,768.00	0.70	224.12	1,767.95	-7.75	-4.69	8.95	0.35	0.33	12.36
1,858.00	0.83	226.50	1,857.94	-8.60	-5.55	10.15	0.15	0.14	2.64
1,949.00	0.73	228.15	1,948.93	-9.44	-6.46	11.37	0.11	-0.11	1.81
2,040.00	0.96	235.88	2,039.92	-10.25	-7.52	12.68	0.28	0.25	8.49
2,131.00	0.97	230.05	2,130.91	-11.17	-8.74	14.18	0.11	0.01	-6.41
2,221.00	1.08	228.73	2,220.89	-12.22	-9.96	15.77	0.12	0.12	-1.47
2,312.00	1.10	230.97	2,311.88	-13.34	-11.29	17.47	0.05	0.02	2.46
2,403.00	1.27	229.70	2,402.86	-14.54	-12.73	19.32	0.19	0.19	-1.40
2,493.00	1.49	231.19	2,492.83	-15.92	-14.41	21.46	0.25	0.24	1.66
2,584.00	1.67	234.45	2,583.80	-17.43	-16.41	23.90	0.22	0.20	3.58
2,675.00	0.92	208.69	2,674.77	-18.84	-17.84	25.91	1.02	-0.82	-28.31
2,765.00	0.83	207.73	2,764.76	-20.05	-18.49	27.25	0.10	-0.10	-1.07
2,856.00	1.01	223.28	2,855.75	-21.22	-19.34	28.69	0.34	0.20	17.09
2,947.00	1.05	236.78	2,946.74	-22.26	-20.59	30.29	0.27	0.04	14.84
3,037.00	0.83	243.41	3,036.72	-23.01	-21.86	31.68	0.27	-0.24	7.37
3,128.00	0.92	245.17	3,127.71	-23.61	-23.12	32.95	0.10	0.10	1.93
3,219.00	1.14	246.40	3,218.70	-24.28	-24.61	34.43	0.24	0.24	1.35
3,309.00	1.58	240.77	3,308.67	-25.24	-26.51	36.39	0.51	0.49	-6.26
3,445.00	1.49	233.44	3,444.62	-27.21	-29.57	39.87	0.16	-0.07	-5.39
3,536.00	1.01	172.57	3,535.61	-28.71	-30.41	41.56	1.46	-0.53	-66.89
3,627.00	0.09	93.07	3,626.60	-29.51	-30.24	42.06	1.10	-1.01	-87.36
3,763.00	0.44	187.07	3,762.60	-30.03	-30.20	42.43	0.33	0.26	69.12
3,853.00	0.76	203.65	3,852.60	-30.92	-30.48	43.29	0.40	0.36	18.42
3,944.00	0.97	224.43	3,943.59	-32.03	-31.26	44.64	0.41	0.23	22.84
4,035.00	1.23	216.65	4,034.57	-33.36	-32.38	46.38	0.33	0.29	-8.55
4,125.00	0.44	142.78	4,124.56	-34.41	-32.75	47.42	1.32	-0.88	-82.08
4,216.00	0.48	217.09	4,215.56	-34.99	-32.77	47.88	0.61	0.04	81.66
4,307.00	0.70	214.41	4,306.55	-35.75	-33.31	48.81	0.24	0.24	-2.95
4,397.00	0.79	225.22	4,396.55	-36.64	-34.06	49.98	0.19	0.10	12.01
4,488.00	1.10	223.88	4,487.53	-37.72	-35.11	51.47	0.34	0.34	-1.47
4,579.00	1.27	215.68	4,578.51	-39.16	-36.31	53.35	0.26	0.19	-9.01
4,669.00	1.36	224.25	4,668.49	-40.74	-37.63	55.41	0.24	0.10	9.52
4,760.00	1.71	219.29	4,759.46	-42.56	-39.25	57.84	0.41	0.38	-5.45
4,851.00	0.13	201.88	4,850.44	-43.71	-40.15	59.30	1.74	-1.74	-19.13
4,941.00	0.26	225.79	4,940.44	-43.95	-40.33	59.60	0.17	0.14	26.57
5,032.00	0.83	227.85	5,031.44	-44.53	-40.97	60.46	0.63	0.63	2.26
5,123.00	1.20	230.20	5,122.42	-45.59	-42.19	62.05	0.41	0.41	2.58
5,213.00	1.56	222.47	5,212.40	-47.09	-43.74	64.20	0.45	0.40	-8.59
5,304.00	1.05	143.83	5,303.38	-48.68	-44.08	65.64	1.87	-0.56	-86.42
5,395.00	1.36	156.31	5,394.36	-50.34	-43.16	66.31	0.44	0.34	13.71
5,485.00	1.45	165.23	5,484.33	-52.42	-42.44	67.43	0.26	0.10	9.91
5,561.00	1.76	180.75	5,560.26	-57.28	-41.91	70.79	0.30	0.18	8.82
5,687.00	1.88	177.52	5,686.25	-58.10	-41.89	71.42	0.61	0.46	-12.42
5,717.00	3.22	198.34	5,716.22	-59.39	-42.14	72.56	5.36	4.47	69.40
5,747.00	5.95	205.27	5,746.12	-61.60	-43.07	74.84	9.27	9.10	23.10
5,777.00	8.55	210.36	5,775.88	-64.93	-44.86	78.54	8.92	8.67	16.97
5,807.00	11.38	213.35	5,805.42	-69.33	-47.61	83.68	9.59	9.43	9.97
5,837.00	14.88	213.22	5,834.64	-75.03	-51.35	90.44	11.67	11.67	-0.43
5,867.00	18.50	213.35	5,863.37	-82.23	-56.08	98.99	12.07	12.07	0.43
5,884.00	20.06	213.47	5,879.41	-86.91	-59.17	104.57	9.18	9.18	0.71
5,894.00	21.44	212.97	5,888.76	-89.88	-61.11	108.08	13.91	13.80	-5.00
5,904.00	22.50	212.85	5,898.04	-93.02	-63.14	111.79	10.61	10.60	-1.20



Weatherford International Ltd.
Survey Report



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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)
5,919.00	24.00	213.10	5,911.82	-97.98	-66.37	117.67	10.02	10.00	1.67
5,929.00	25.25	213.60	5,920.91	-101.46	-68.66	121.80	12.67	12.50	5.00
5,939.00	26.31	213.85	5,929.91	-105.08	-71.07	126.13	10.66	10.60	2.50
5,949.00	27.50	214.47	5,938.83	-108.82	-73.61	130.63	12.23	11.90	6.20
5,964.00	29.19	214.60	5,952.03	-114.69	-77.65	137.71	11.27	11.27	0.87
5,974.00	30.31	214.72	5,960.71	-118.77	-80.47	142.65	11.22	11.20	1.20
5,984.00	31.38	215.22	5,969.30	-122.97	-83.41	147.76	11.00	10.70	5.00
6,010.00	34.00	216.10	5,991.18	-134.38	-91.60	161.75	10.24	10.08	3.38
6,020.00	35.06	215.97	5,999.42	-138.96	-94.93	167.40	10.63	10.60	-1.30
6,030.00	36.00	216.10	6,007.56	-143.66	-98.35	173.20	9.43	9.40	1.30
6,055.00	38.38	217.22	6,027.47	-155.78	-107.38	188.28	9.90	9.52	4.48
6,080.00	41.06	217.97	6,046.70	-168.44	-117.13	204.24	10.89	10.72	3.00
6,105.00	43.81	218.35	6,065.15	-181.70	-127.55	221.09	11.05	11.00	1.52
6,130.00	45.31	218.35	6,082.96	-195.45	-138.43	238.63	6.00	6.00	0.00
6,146.00	45.88	218.35	6,094.16	-204.42	-145.52	250.05	3.56	3.56	0.00
6,155.00	46.56	218.35	6,100.38	-209.51	-149.56	256.54	7.56	7.56	0.00
6,185.00	48.65	217.99	6,120.61	-226.93	-163.25	278.68	7.02	6.97	-1.20
6,215.00	50.72	219.21	6,140.02	-244.81	-177.52	301.55	7.56	6.90	4.07
6,245.00	54.43	220.34	6,158.25	-263.11	-192.76	325.37	12.72	12.37	3.77
6,275.00	57.35	222.96	6,175.07	-281.66	-209.27	350.19	12.12	9.73	8.73
6,305.00	61.88	224.47	6,190.24	-300.35	-227.16	376.02	15.71	15.10	5.03
6,335.00	66.31	224.72	6,203.34	-319.56	-246.10	402.92	14.79	14.77	0.83
6,365.00	70.06	224.97	6,214.49	-339.31	-265.74	430.67	12.52	12.50	0.83
6,395.00	72.56	223.85	6,224.10	-359.61	-285.62	459.01	9.05	8.33	-3.73
6,425.00	73.56	221.85	6,232.85	-380.64	-305.14	487.68	7.20	3.33	-6.67
6,455.00	76.00	221.22	6,240.72	-402.31	-324.33	516.62	8.38	8.13	-2.10
6,485.00	80.00	219.97	6,246.96	-424.59	-343.42	545.95	13.94	13.33	-4.17
6,500.00	82.00	219.72	6,249.30	-435.97	-352.91	560.77	13.43	13.33	-1.67
6,515.00	82.94	219.60	6,251.27	-447.41	-362.40	575.64	6.32	6.27	-0.80
6,525.00	83.69	219.85	6,252.43	-455.05	-368.75	585.57	7.90	7.50	2.50
6,535.00	85.13	220.22	6,253.41	-462.67	-375.15	595.52	14.86	14.40	3.70
6,568.00	89.51	219.56	6,254.95	-487.96	-396.28	628.48	13.42	13.27	-2.00
6,613.00	90.93	219.28	6,254.78	-522.72	-424.86	673.47	3.22	3.16	-0.62
6,658.00	90.12	218.59	6,254.37	-557.72	-453.14	718.46	2.36	-1.80	-1.53
6,704.00	91.85	218.27	6,253.57	-593.75	-481.72	764.43	3.82	3.76	-0.70
6,749.00	90.43	217.93	6,252.68	-629.15	-509.48	809.38	3.24	-3.16	-0.76
6,794.00	92.34	219.86	6,251.59	-664.16	-537.73	854.35	6.03	4.24	4.29
6,839.00	91.73	224.03	6,249.99	-697.61	-567.61	899.30	9.36	-1.36	9.27
6,885.00	92.47	225.41	6,248.31	-730.27	-600.12	945.12	3.40	1.61	3.00
6,930.00	91.66	226.35	6,246.69	-761.57	-632.41	989.87	2.76	-1.80	2.09
6,975.00	92.41	226.80	6,245.09	-792.49	-665.07	1,034.57	1.94	1.67	1.00
7,021.00	91.85	227.22	6,243.38	-823.83	-698.69	1,080.22	1.52	-1.22	0.91
7,066.00	91.73	226.80	6,241.97	-854.50	-731.59	1,124.88	0.97	-0.27	-0.93
7,112.00	92.28	225.36	6,240.36	-886.39	-764.71	1,170.61	3.35	1.20	-3.13
7,157.00	91.66	223.63	6,238.82	-918.47	-796.22	1,215.46	4.08	-1.38	-3.84
7,202.00	92.04	223.00	6,237.36	-951.19	-827.08	1,260.37	1.63	0.84	-1.40
7,247.00	91.66	221.77	6,235.91	-984.41	-857.40	1,305.32	2.86	-0.84	-2.73
7,293.00	92.22	220.03	6,234.35	-1,019.16	-887.50	1,351.28	3.97	1.22	-3.78
7,338.00	92.28	218.25	6,232.59	-1,054.03	-915.88	1,396.24	3.95	0.13	-3.96
7,383.00	92.59	216.98	6,230.67	-1,089.65	-943.32	1,441.15	2.90	0.69	-2.82
7,429.00	92.96	216.01	6,228.45	-1,126.58	-970.65	1,487.00	2.25	0.80	-2.11
7,474.00	90.55	214.53	6,227.07	-1,163.30	-996.61	1,531.80	6.28	-5.36	-3.29
7,519.00	90.00	213.29	6,226.85	-1,200.65	-1,021.72	1,576.53	3.01	-1.22	-2.76
7,565.00	92.71	213.74	6,225.77	-1,238.98	-1,047.11	1,622.20	5.97	5.89	0.98

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Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-36-8-15H
Well: GMB 3-36-8-15H
Wellbore: GMB 3-36-8-15H
Design: GMB 3-36-8-15H

Local Co-ordinate Reference: Well GMB 3-36-8-15H
TVD Reference: WELL @ 5800.00ft (CAPSTAR 329)
MD Reference: WELL @ 5800.00ft (CAPSTAR 329)
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)
7,610.00	93.51	212.69	6,223.32	-1,276.58	-1,071.72	1,666.79	2.93	1.78	-2.33
7,655.00	91.48	209.79	6,221.36	-1,315.01	-1,095.03	1,711.19	7.86	-4.51	-6.44
7,701.00	90.93	207.78	6,220.40	-1,355.31	-1,117.18	1,756.26	4.53	-1.20	-4.37
7,746.00	91.73	205.79	6,219.35	-1,395.47	-1,137.45	1,800.01	4.77	1.78	-4.42
7,792.00	91.30	204.07	6,218.14	-1,437.17	-1,156.83	1,844.36	3.85	-0.93	-3.74
7,837.00	91.54	202.63	6,217.02	-1,478.47	-1,174.66	1,887.41	3.24	0.53	-3.20
7,882.00	92.34	201.12	6,215.50	-1,520.21	-1,191.42	1,930.09	3.80	1.78	-3.36
7,928.00	92.72	199.72	6,213.47	-1,563.27	-1,207.45	1,973.32	3.15	0.83	-3.04
7,973.00	91.85	199.23	6,211.67	-1,605.66	-1,222.44	2,015.37	2.22	-1.93	-1.09
8,018.00	91.30	197.92	6,210.44	-1,648.30	-1,236.77	2,057.17	3.16	-1.22	-2.91
8,063.00	91.67	196.09	6,209.27	-1,691.32	-1,249.93	2,098.51	4.15	0.82	-4.07
8,109.00	92.04	193.78	6,207.78	-1,735.74	-1,261.77	2,140.07	5.08	0.80	-5.02
8,154.00	91.17	192.19	6,206.52	-1,779.57	-1,271.88	2,180.06	4.03	-1.93	-3.53
8,199.00	91.55	191.51	6,205.45	-1,823.60	-1,281.12	2,219.64	1.73	0.84	-1.51
8,245.00	91.79	191.89	6,204.11	-1,868.62	-1,290.44	2,260.03	0.98	0.52	0.83
8,290.00	90.99	191.21	6,203.02	-1,912.70	-1,299.45	2,299.50	2.33	-1.78	-1.51
8,336.00	91.23	190.82	6,202.13	-1,957.84	-1,308.24	2,339.64	1.00	0.52	-0.85
8,381.00	92.10	191.00	6,200.82	-2,002.01	-1,316.75	2,378.85	1.97	1.93	0.40
8,426.00	92.59	191.64	6,198.98	-2,046.09	-1,325.58	2,418.21	1.79	1.09	1.42
8,472.00	91.48	191.53	6,197.35	-2,091.13	-1,334.81	2,458.55	2.42	-2.41	-0.24
8,517.00	91.61	190.62	6,196.13	-2,135.27	-1,343.45	2,497.84	2.04	0.29	-2.02
8,562.00	92.09	190.77	6,194.68	-2,179.47	-1,351.80	2,536.96	1.12	1.07	0.33
8,608.00	91.48	189.56	6,193.25	-2,224.72	-1,359.91	2,576.75	2.94	-1.33	-2.63
8,653.00	91.73	188.25	6,191.99	-2,269.16	-1,366.87	2,615.18	2.96	0.56	-2.91
8,698.00	90.74	185.56	6,191.02	-2,313.82	-1,372.28	2,652.76	6.37	-2.20	-5.98
8,744.00	93.64	186.77	6,189.26	-2,359.52	-1,377.22	2,690.83	6.83	6.30	2.63
8,789.00	91.97	185.99	6,187.06	-2,404.18	-1,382.21	2,728.16	4.10	-3.71	-1.73
8,834.00	91.79	183.41	6,185.58	-2,449.00	-1,385.89	2,764.75	5.74	-0.40	-5.73
8,880.00	91.42	181.70	6,184.29	-2,494.94	-1,387.94	2,801.14	3.80	-0.80	-3.72
8,925.00	92.29	183.46	6,182.84	-2,539.87	-1,389.97	2,836.75	4.36	1.93	3.91
8,970.00	91.41	183.54	6,181.38	-2,584.76	-1,392.71	2,872.79	1.96	-1.96	0.18
9,016.00	91.85	183.37	6,180.07	-2,630.66	-1,395.49	2,909.62	1.03	0.96	-0.37
9,061.00	91.66	182.33	6,178.70	-2,675.58	-1,397.72	2,945.36	2.35	-0.42	-2.31
9,106.00	91.36	182.09	6,177.51	-2,720.53	-1,399.46	2,980.79	0.85	-0.67	-0.53
9,152.00	91.48	183.24	6,176.37	-2,766.46	-1,401.59	3,017.24	2.51	0.26	2.50
9,197.00	91.79	183.42	6,175.09	-2,811.37	-1,404.21	3,053.21	0.80	0.69	0.40
9,242.00	90.92	183.66	6,174.02	-2,856.27	-1,406.99	3,089.28	2.01	-1.93	0.53
9,271.00	90.43	183.78	6,173.68	-2,885.21	-1,408.87	3,112.59	1.74	-1.69	0.41
9,316.00	91.48	184.19	6,172.93	-2,930.09	-1,411.99	3,148.87	2.50	2.33	0.91
9,361.00	91.97	183.74	6,171.58	-2,974.96	-1,415.10	3,185.14	1.48	1.09	-1.00
9,407.00	91.91	181.86	6,170.02	-3,020.88	-1,417.35	3,221.64	4.09	-0.13	-4.09
9,453.00	91.97	182.36	6,168.46	-3,066.82	-1,419.04	3,257.81	1.09	0.13	1.09
9,498.00	91.42	182.90	6,167.13	-3,111.76	-1,421.11	3,293.44	1.71	-1.22	1.20
9,543.00	90.62	184.77	6,166.33	-3,156.65	-1,424.12	3,329.65	4.52	-1.78	4.16
9,589.00	91.97	189.20	6,165.29	-3,202.28	-1,429.71	3,368.10	10.07	2.93	9.63
9,634.00	91.92	190.67	6,163.76	-3,246.58	-1,437.47	3,406.93	3.27	-0.11	3.27
9,679.00	92.03	191.47	6,162.21	-3,290.71	-1,446.10	3,446.20	1.79	0.24	1.78
9,725.00	91.17	192.77	6,160.93	-3,335.67	-1,455.75	3,486.76	3.39	-1.87	2.83
9,770.00	91.73	193.05	6,159.79	-3,379.52	-1,465.81	3,526.72	1.39	1.24	0.62
9,815.00	91.29	194.66	6,158.60	-3,423.19	-1,476.58	3,567.02	3.71	-0.98	3.58
9,861.00	91.15	196.41	6,157.62	-3,467.50	-1,488.89	3,608.80	3.82	-0.30	3.80
9,906.00	92.34	200.22	6,156.25	-3,510.19	-1,503.02	3,650.52	8.87	2.64	8.47
9,951.00	91.60	202.19	6,154.70	-3,552.12	-1,519.29	3,693.03	4.67	-1.64	4.38
9,997.00	93.27	203.56	6,152.75	-3,594.46	-1,537.15	3,736.89	4.69	3.63	2.98

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Weatherford International Ltd.
Survey Report



Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-36-8-15H
Well: GMB 3-36-8-15H
Wellbore: GMB 3-36-8-15H
Design: GMB 3-36-8-15H

Local Co-ordinate Reference: Well GMB 3-36-8-15H
TVD Reference: WELL @ 5800.00ft (CAPSTAR 329)
MD Reference: WELL @ 5800.00ft (CAPSTAR 329)
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)
10,042.00	91.73	201.65	6,150.79	-3,635.96	-1,554.43	3,779.74	5.45	-3.42	-4.24
10,087.00	92.47	201.26	6,149.14	-3,677.81	-1,570.88	3,822.31	1.86	1.64	-0.87
10,133.00	91.06	201.70	6,147.72	-3,720.60	-1,587.72	3,865.85	3.21	-3.07	0.96
10,178.00	93.08	204.07	6,146.10	-3,762.02	-1,605.20	3,908.77	6.92	4.49	5.27
10,223.00	91.36	204.91	6,144.35	-3,802.94	-1,623.84	3,952.04	4.25	-3.82	1.87
10,269.00	92.22	205.17	6,142.92	-3,844.60	-1,643.30	3,996.41	1.95	1.87	0.57
10,314.00	92.53	206.50	6,141.05	-3,885.06	-1,662.90	4,039.96	3.03	0.69	2.96
10,359.00	92.35	205.48	6,139.13	-3,925.48	-1,682.60	4,083.54	2.30	-0.40	-2.27
10,405.00	92.22	203.47	6,137.30	-3,967.31	-1,701.64	4,127.77	4.38	-0.28	-4.37
10,450.00	92.47	204.05	6,135.46	-4,008.46	-1,719.75	4,170.89	1.40	0.56	1.29
10,495.00	92.59	205.96	6,133.47	-4,049.20	-1,738.76	4,214.26	4.25	0.27	4.24
10,541.00	92.65	205.19	6,131.37	-4,090.65	-1,758.59	4,258.72	1.68	0.13	-1.67
10,586.00	92.59	206.63	6,129.31	-4,131.08	-1,778.23	4,302.27	3.20	-0.13	3.20
10,631.00	92.40	205.90	6,127.35	-4,171.40	-1,798.13	4,345.90	1.67	-0.42	-1.62
10,677.00	92.73	204.69	6,125.30	-4,212.94	-1,817.76	4,390.30	2.72	0.72	-2.63
10,722.00	92.10	202.87	6,123.40	-4,254.09	-1,835.89	4,433.41	4.28	-1.40	-4.04
10,767.00	92.77	200.56	6,121.49	-4,295.85	-1,852.53	4,476.04	5.34	1.49	-5.13
LAST SVY									
10,784.00	93.08	199.86	6,120.62	-4,311.78	-1,858.39	4,491.99	4.50	1.82	-4.12
PROJ SVY - PBHL GMB 3-36-8-15H									
10,844.00	93.08	199.86	6,117.40	-4,368.13	-1,878.74	4,548.16	0.00	0.00	0.00

Design Targets

Target Name

hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
PBHL GMB 3-36-8-15	0.00	0.00	6,116.50	-4,385.08	-1,924.00	7,196,014.28	2,007,260.62	40° 4' 3.151 N	110° 11' 20.919 W
- survey misses target center by 48.33ft at 10844.00ft MD (6117.40 TVD, -4368.13 N, -1878.74 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,784.00	6,120.62	-4,311.78	-1,858.39	LAST SVY
10,844.00	6,117.40	-4,368.13	-1,878.74	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____

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DRILLING, OIL, GAS & MINING

Daily Activity Report**Format For Sundry****GREATER MB 3-36-8-15H****11/1/2010 To 3/28/2011****GREATER MB 3-36-8-15H****Waiting on Cement****Date:** 12/30/2010

Ross #21 at 508. Days Since Spud - On 12/26/10 Ross Rig # 21 spud GMBU 3-36-9-15H, drilled 510' of 12 1/4" hole and ran 12 jts of - 8 5/8" csg (guide shoe, shoe jt, baffle plate, 11 jts) set @ 507.6' KB. On 12/29/10 BJ services - bleed pressure to 250 psi and shut in cmtg head - w/ yield of 1.17 cf/sk \rightarrow return 5 bbls good cmt to pit, FCP 200 psi bump plug to 600 psi - cemented 8 5/8" csg w/ 260 sx Class G cmt w/ 2% CC, 1/4 pps Cello flake \rightarrow mixed @ 15.8 ppg

Daily Cost: \$0**Cumulative Cost:** \$28,773**GREATER MB 3-36-8-15H****Rig Repair****Date:** 1/2/2011

Capstar #329 at 508. 0 Days Since Spud - Rig up \rightarrow inspect bha & rebuild power swivel - Move Capstar #329 from UT 11-27-4-3, set equipt, & rig up with trucks - Rig down prep for trucks - Rig repair \rightarrow rebuild power swivel

Daily Cost: \$0**Cumulative Cost:** \$81,300**GREATER MB 3-36-8-15H****Drill 7 7/8" hole with salt water****Date:** 1/3/2011

Capstar #329 at 2456. 1 Days Since Spud - Thaw pit lines and prime reserve pit transfer pumps - Trip work BHA \rightarrow P/U Bit, Mud motro, NMDC, MWD tools, and scribe - TIH - Install rotating head and hook up kelly hose - Flow line plugged with ice \rightarrow thaw flow line - Tag cmt @ 460' \rightarrow Drill cmt & float equipt. 460'-508' - Drill 7 7/8" hole 508' - 2456' \rightarrow (1948') @ 205 fph, 20k wob, 140 mm + 60 rot=200 trpm, 900 psi pump p - Install Wear Bushing in 11" 5K head \rightarrow packing nuts frozen steamed to thaw - Test Hydrill to 250 low & 2000 high, Test casing to 1500 psi \rightarrow All equipt tested - Test Choke line, Choke Manifold, Lower Kelly cock, & safety valve to 250 psi low & 2000 psi high - Rig repair \rightarrow rebuild power swivel - Pressure Test BOP \rightarrow Test Blind & Pipe rams to 250 psi low & 2000 psi high

Daily Cost: \$0**Cumulative Cost:** \$113,652**GREATER MB 3-36-8-15H****Drill 7 7/8" hole with salt water****Date:** 1/4/2011

Capstar #329 at 5221. 2 Days Since Spud - Rig service - trouble shoot MWD \rightarrow multiple resyncs and troubleshooting during drilling from 3408'-3544' - Drill 7 7/8" hole 3771' - 5221' \rightarrow (1450') @ 121 fph, 24k wob, 140 mm + 60 rot=200 trpm, 1200 psi pump - Drill 7 7/8" hole 2456' - 3771' \rightarrow (1315') @ 125 fph, 18k wob, 140 mm + 60 rot=200 trpm, 1000 psi pump

Daily Cost: \$0**Cumulative Cost:** \$174,586**RECEIVED**

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GREATER MB 3-36-8-15H**Circulate & Condition Hole****Date:** 1/5/2011

Capstar #329 at 5714. 3 Days Since Spud - trip \rightarrow make up directional bha and scribe tools - TIH loading racks and strap while tripping in - Troubleshoot MWD tool - Cut drilling line and

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weld on pit door - Troubleshoot MWD unable to send signal to tool move ground stakes - Circ hole clean & pump high vis sweep & circulate out - Drill 7 7/8" hole 5584' - 5714'(130') @ 87 fph, 24k wob, 140 mm + 60 rot=200 trpm, 1200 psi pump - Rig Service - Drill 7 7/8" hole 5221' - 5584'(363') @ 81 fph, 24k wob, 140 mm + 60 rot=200 trpm, 1200 psi pump - TOOH to pick up Build/Curve BHA

Daily Cost: \$0

Cumulative Cost: \$254,206

GREATER MB 3-36-8-15H

Drilling curve

Date: 1/6/2011

Capstar #329 at 6205. 4 Days Since Spud - Troubleshoot MWD unable to send signal to tool move ground stakes - Troubleshoot Pason Auto driller - Drill Curve 5714' - 6205'(491') @ 22.83 fph & slide 421' _ rot 70' survey 6155' 46.56 azi 218

Daily Cost: \$0

Cumulative Cost: \$286,319

GREATER MB 3-36-8-15H

Drilling curve

Date: 1/7/2011

Capstar #329 at 6585. 5 Days Since Spud - Circ./Cond. Hole for trip out - Trip out to top of curve tight spots in several spots W&R back to bottom of curve - Circ./Cond. Hole for trip - Drlg curve 6330' - 6585' - Service rig - Drlg. Curve 6205' - 6330', 125' @ 22.72 fph, all slide - TOH to PU lateral Ass'y

Daily Cost: \$0

Cumulative Cost: \$314,277

GREATER MB 3-36-8-15H

Drilling lateral

Date: 1/8/2011

Capstar #329 at 6808. 6 Days Since Spud - pull rotating head & LDBHA - Drlg. 6736' - 6808', 72' @ 28.8 fph, gpm 250, rop 30, Mtr. 127 = 157, slide 12', rot. 60' - Trouble shoot MWD tool - Drlg. 6585' - 6736', 151' @ 37.75 fph, gpm 250, rop 30, Mtr. 127 = 157, slide 39', rot. 112' - Log F/ 6350' - 6585' - TIH - Hook up kelly hose & test tools - Program LWD tool & install Radioactive sources - MU bit, Mtr. Scrib, tools - Strap BHA - Service rig - LDDT & bit - TOH

Daily Cost: \$0

Cumulative Cost: \$367,322

GREATER MB 3-36-8-15H

Drilling lateral

Date: 1/9/2011

Capstar #329 at 7032. 7 Days Since Spud - Drlg. 6937' - 7035', 98' @ 21.77 fph, gpm 250, rop 60, Mtr. 127 = 187, slide ', rot. ' - Trouble shoot MWD - Drlg. 6894' - 6937', 43' @ 21.5 fph, gpm 250, rop 60, Mtr. 127 = 187, slide ', rot. ' - Circ./Cond. Hole for trip - Pump slug & brake off kelly hose - POOH to check BHA Mtr was coming apart @ the adjustable point (pulled slick) - PJSM with Weatherford LWD unload sources LD LWD tool, bit Mtr. PU new Mtr. Bit scribe test program - LWD tool Reload sources & test - TIH - Drlg. 6808' - 6894', 86' @ 43 fph, gpm 250, rop 60, Mtr. 127 = 187, slide ', rot. 60' - Service rig

Daily Cost: \$0

Cumulative Cost: \$403,795

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GREATER MB 3-36-8-15H

Drilling lateral

Date: 1/10/2011

Capstar #329 at 7690. 8 Days Since Spud - Service Rig - Drlg. 7035' - 7234', 199' @ 33.16 fph, gpm 250, rop 60, Mtr. 127 = 187, slide ', rot. ' - TIH Wash last 2 joints to bottom for

percaution - Drlg. 7234' - 7690,, 456' @ 30.4 fph, gpm 250, rop 60, Mtr. 127 = 187, slide ', rot. '

Daily Cost: \$0

Cumulative Cost: \$450,658

GREATER MB 3-36-8-15H

Drilling lateral

Date: 1/11/2011

Capstar #329 at 8077. 9 Days Since Spud - Drlg. 7670 - 7851, 181' @ 20.11 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - Drlg. 7851 - 7867', 16' @ 32 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - Change out Pason screens - Drlg. 7867' - 8077,, 210' @ 15.55 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - Service Rig

Daily Cost: \$0

Cumulative Cost: \$491,299

GREATER MB 3-36-8-15H

Drilling lateral

Date: 1/12/2011

Capstar #329 at 9055. 10 Days Since Spud - Drlg. 8430' - 9055', 625' @ 41.66 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - Service Rig - Drlg. 8018' - 8430', 412' @ 48.47 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. '

Daily Cost: \$0

Cumulative Cost: \$550,788

GREATER MB 3-36-8-15H

TIH

Date: 1/13/2011

Capstar #329 at 9311. 11 Days Since Spud - Pump slug & POOH (Slick) - Drlg. 9055' - 9240', 185' @ 23.12 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - install source & TIH - Circ./Cond hole for Trip Circ. 3 BU stand back a stand each BU - Drlg. 9240' - 9311', 71' @ 20.28 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - Service rig - PJSM W/ Weatherford LWD hands to LD remove sources LD bit Mtr._ MU new Mtr., Bit, scribe tools

Daily Cost: \$0

Cumulative Cost: \$587,357

GREATER MB 3-36-8-15H

TIH

Date: 1/14/2011

Capstar #329 at 9468. 12 Days Since Spud - Wait on LWD to down link - PU Dirc. Tools Scribe - Install sources & program tool - MU kelly hose to tst tools pressured up - LDT check for plug did not find eny thing must have been froze - PU Dirc. Tools Scribe - Install sources & program tool & test tools Test good - TIH Brake Circ. @ 4000', 5600', 7000' - Brake 9131' Wash to bottom for precaution - Drlg. 9311' - 9468', 157' @ 39.25 fph, gpm 250, rpm 60, Mtr. 127 = 187, slide ', rot. ' - Adjust boom prepair to POOH - POOH to check BHA & Mtr.

Daily Cost: \$0

Cumulative Cost: \$624,971

GREATER MB 3-36-8-15H

TIH

Date: 1/15/2011

Capstar #329 at 9745. 13 Days Since Spud - POOH for Mtr. Failure - Check out Dirc Tools pump on Mtr. Was lock up, LD tools - Weatherford MU new LWD tool - PU new Mtr.& scribe - Drlg. 9468' - 9745', 277' @ 26.38 fph, gpm 250, rpm 60, Mtr. 115 = 175, slide ', rot. ' - test Dirc. Tools test good - TIH brake circ. @ 2500',5600',7000' (Slick) - W&R to bottom for precaution no fill - PJSM & install scources

Daily Cost: \$0

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Cumulative Cost: \$749,314

GREATER MB 3-36-8-15H

TOOH

Date: 1/16/2011

Capstar #329 at 10275. 14 Days Since Spud - (KOP 5714' - EOB 6585' - LOL 3160') - Service rig - Pump slug POOH for MWD - Circ. Cond hole for trip MWD - (KOP 5714' - EOB 6585' - LOL 3160')

Daily Cost: \$0

Cumulative Cost: \$786,850

GREATER MB 3-36-8-15H

TOOH

Date: 1/17/2011

Capstar #329 at 10385. 15 Days Since Spud - POOH for MWD Tool - pull sources & LD Dir. Tools - Program new MWD Dir. Tools - Rig service - Change out brake bands - Drlg. 10275 - 10385', 110' @ 36.66fph,gpm 259, rpm 60 Mtr. 115 = 175 slide , Rot - change float in MM - PJSM install sources & Program tool - Hook up kelly hose & test Dir. tools (Test good) - TIH - Wash F/9321' - 10275' pipe did not want to slide in hole_Relog F/ 10250' -10275' - MU Scribe new BHA

Daily Cost: \$0

Cumulative Cost: \$827,621

GREATER MB 3-36-8-15H

TOOH

Date: 1/18/2011

Capstar #329 at 10844. 16 Days Since Spud - Drlg. 10385' - 10605', 220' @ 36.66 fph,gpm 259, rpm 60 Mtr. 115 = 175 slide , Rot - Service rig - Drlg. 10605' - 10844', 239' @ 59.75 fph,gpm 259, rpm 60 Mtr. 115 = 175 slide , Rot (TD Well @ 10844' - POOH - Pump slug & POOH - Fix lower pin on boom ram - Circ./Cond.

Daily Cost: \$0

Cumulative Cost: \$933,849

GREATER MB 3-36-8-15H

TOOH

Date: 1/19/2011

Capstar #329 at 10844. 17 Days Since Spud - LDDT - PJSM W? Weatherford & BJ pump truck on running log's - RU loggers - POOH @ 15' per minuet present depth 6900' - Pull 3 joints RU BJ pump truck Drop tool shear pins for logging tool psi to shear pins Primary 1469 - psi secondary 1979 psi tool set - TIH with log's Brake Circ. Every 3000' Logs went to bottom last 500'-200' SO 30K 200' to B 10-25K SO

Daily Cost: \$0

Cumulative Cost: \$1,000,988

GREATER MB 3-36-8-15H

Rig Repair

Date: 1/20/2011

Capstar #329 at 10844. 18 Days Since Spud - Log thru drillpipe..POOH w/ logs @ 15 ft/min to 5700' & 50 ft/min to surface - Lay down logging tools - Rig up Open hole loggers - Log verticle portion of well - Rig Service - Rig repair & change out power swivel control - Make up bit, bit sub, 1 jt of 4" drillpipe, x/o's, 6" reamer, and TIH - Hook up kelly hose and break circulation - TIH - Load rack and SLM pipe - TIH - Cut drilling line

Daily Cost: \$0

Cumulative Cost: \$1,122,141

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DIRECTOR, OIL, GAS & MINING

GREATER MB 3-36-8-15H**TOOH****Date:** 1/21/2011

Capstar #329 at 10844. 19 Days Since Spud - Rig repair & swivel control valve - TIH to 6 1/8" lateral - Wash / Ream from 6585' - 10844' & from 10730' - 10844' torque increased from 7400 ft/lbs to 8700 ft/lb - & S/O weight from 100k - 80K...no other significant high torque or drag spots thruout wellbore - Circ & condition & pump high vis sweep and circulate out - TOOH to run casing - TIH...Slide in the hole tag @ 10,750' - Wash / Ream from 10,750' - 10,795' & work thru multiple times until clean & - ...Slide in hole from 10,750' - 10,841' with slack off weight @ 50K & - Circ & Cond & pump high vis sweep and circ out & circ hole clean - Circ...Spot lubricant pill throughout lateral & pump slug - POOH w/ 95 jts back to the end of curve (+/- 6550')

Daily Cost: \$0**Cumulative Cost:** \$1,141,756**GREATER MB 3-36-8-15H****nipple down****Date:** 1/22/2011

Capstar #329 at 10844. 20 Days Since Spud - TOOH laydown bit, bs, & reamers - Nipple down stack and install wellhead cap - Rig up to run casing and hold PJSM - Run 79 jts of 4 1/2" 11.6# N-80 csg, Toe circ sub, Dual Hydraulic FracPort, RockSeal IIS Anchor/Pack - 12- RockSeal II Packers, 2.000" Drillable Frac Port, 2.125" Drillable FracPort, 2.250" Drillable FP - 2.375" Drillable FracPort, 2.500" Drillable FracPort, 2.625" Drillable FracPort, 2.750" Drillable FP - 2.875" Drillable FracPort, 3.000" Drillable FracPort, 3.125" Drillable FracPort, 3.250" Drillable FP - Chang out spear, slips, move excess 4 1/2", and prep to run 5 1/2" csg - Pick up and make up 4 1/2" x 5 1/2" crossover and run 32 jts of 5 1/2" 17# M80 csg, - Rockseal IIS Anchor/Packer, RockSeal II packer, & Mechanical Port Collar to 5684' - Rig up BJ pump truck, pressure test lines, and break circulation & circ estab with 2 bbls pmpd @ 1 bpm - w/ 250 psi, pump additional 18 bbls @ 2 bpm w/ 270 psi pump pressure - Run 121 jts of 5 1/2" 17# M80 csg, landing mandell and 3' PJ to 10806' & land csg in head with 17' LJ - Rig up BJ pump truck, hold PJSM, pump 75 bbls of 2% KCL ahead @ 3 bpm, drop balls, - pump additional 180 bbls @ 3 bpm to seat ball & bring pressure up to 1500 psi and hold for 2 min, - raise pressure to 2500 psi and hold for 15 min, raise pressure up to 3000 psi and hold for 30 min - Rig down BJ pump truck - Pull wear bushing **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$1,269,608**Pertinent Files: [Go to File List](#)**

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