

NEWFIELD



Route #3 Box 3630
Myton, Utah 84052
(435) 646-4825, FAX: (435) 646-3031

October 20, 2008

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill
Castle Draw State H-2-9-17
Beluga State G-16-9-17

Dear Diana:

Enclosed find APD's on the above referenced wells. Please Contact Dave Allred to set up an On-Site date for both locations. Our Land Department will be sending you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

cc: Bureau of Land Management, Vernal Field Office

RECEIVED
OCT 30 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK **DRILL** **DEEPEN**

1b. TYPE OF WELL
OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Newfield Production Company

3. ADDRESS AND TELEPHONE NUMBER:
Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

4. LOCATION OF WELL (FOOTAGE)
At Surface **NE/NW 645' FNL 1970' FWL**
At proposed Producing Zone **1230' FNL 1330' FWL**

5. LEASE DESIGNATION AND SERIAL NO.
ML-3453B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Beluga

8. FARM OR LEASE NAME
Beluga

9. WELL NO.
Beluga State G-16-9-17

10. FIELD AND POOL OR WILDCAT
Monument Butte

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NE/NW Sec. 16, T9S, R17E

12. County
Duchesne

13. STATE
UT

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 15.0 miles southeast of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
Approx. 10' f/lse line and 1230' f/unit line

16. NO. OF ACRES IN LEASE
560.00

17. NO. OF ACRES ASSIGNED TO THIS WELL
20

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.
Approximately 1220' (Down Hole)

19. PROPOSED DEPTH
5845' 5919'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5289' GL

22. APPROX. DATE WORK WILL START*
1st Quarter 2009

23. **PROPOSED CASING AND CEMENTING PROGRAM**

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

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

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

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

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

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

24. Name & Signature Mandie Crozier Title: Regulatory Specialist Date: 10/20/2008

(This space for State use only)

API Number Assigned: 43-013-34122 APPROVAL: _____

Surf
584193X
4432063Y
40.036481
-110.013178

BHL
583999X
4431881Y
40.034865
-110.015480

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-05-09
By: [Signature]

*See Instructions On Reverse Side

RECEIVED
OCT 30 2008
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
BELUGA STATE G-16-9-17
NE/NW SECTION 16, T9S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta 0 – 1301'
Green River 1301'
Wasatch ~~5845~~ 5919

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

Green River Formation 1301' – ⁵⁹¹⁹ ~~5845~~' – Oil

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

to surf w/13 3/8

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

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

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

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

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

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from 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 first quarter of 2009, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
BELUGA STATE G-16-9-17
NE/NW SECTION 16, T9S, R17E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Beluga State G-16-9-17 located in the NE ¼ NW ¼ Section 16, T9S, R17E, 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 southeasterly along Hwy 53 - 11.6 miles ± to it's junction with an existing road to the southwest; proceed southwesterly - 1.4 miles ± to it's junction with an existing road to the east; proceed easterly - 0.5 miles ± to it's junction with the beginning of the access road to the existing 16-3-9-17 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

There is no proposed access road for this location. The proposed well will be drilled off of the existing 16-3-9-17 well pad. See attached **Topographic Map "B"**.

There will be no new gates or cattle guards required.

3. LOCATION OF EXISTING WELLS

Refer to **EXHIBIT B**.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the existing 16-3-9-17 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed G-16-9-17.

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 Desert Tan. 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**

The proposed Beluga State G-16-9-17 will be drilled off of the existing 16-3-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

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:**

- 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 Beluga State G-16-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Beluga State G-16-9-17 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

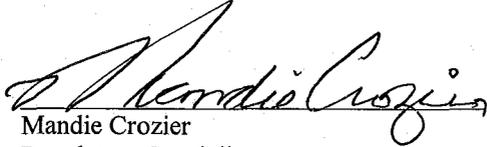
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #G-16-9-17, NE/NW Section 16, T9S, R17E, LEASE #ML-3453B, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

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

10/20/08
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Beluga Unit
Well: Beluga Unit G-16-9-17
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

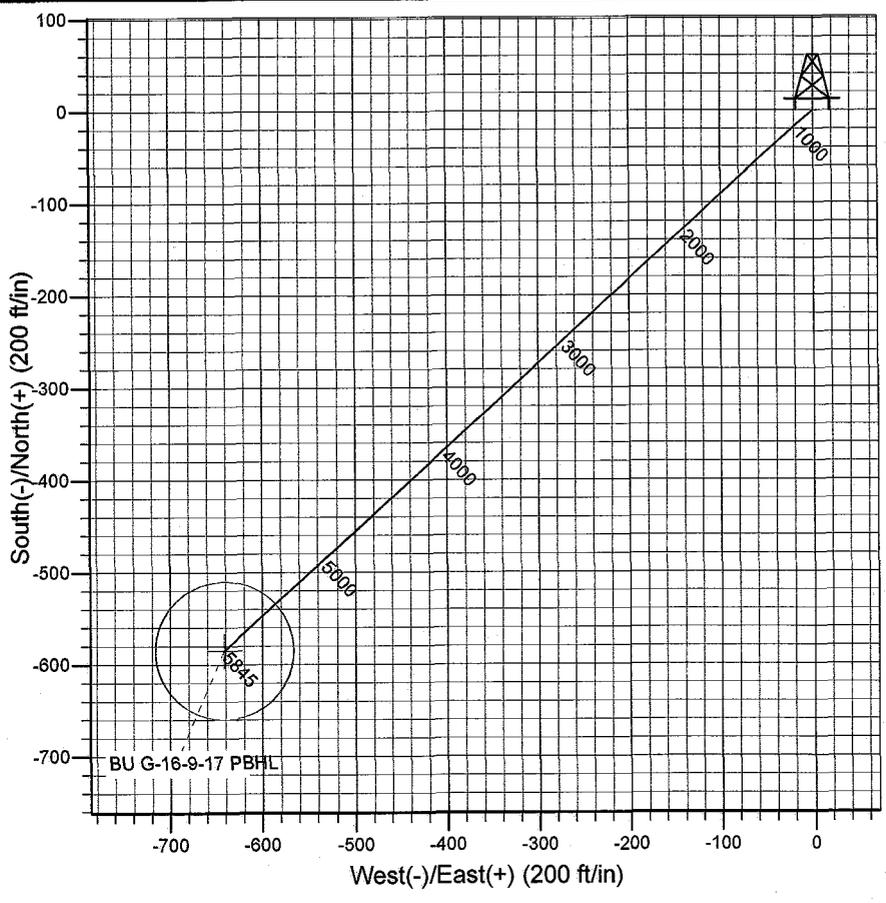
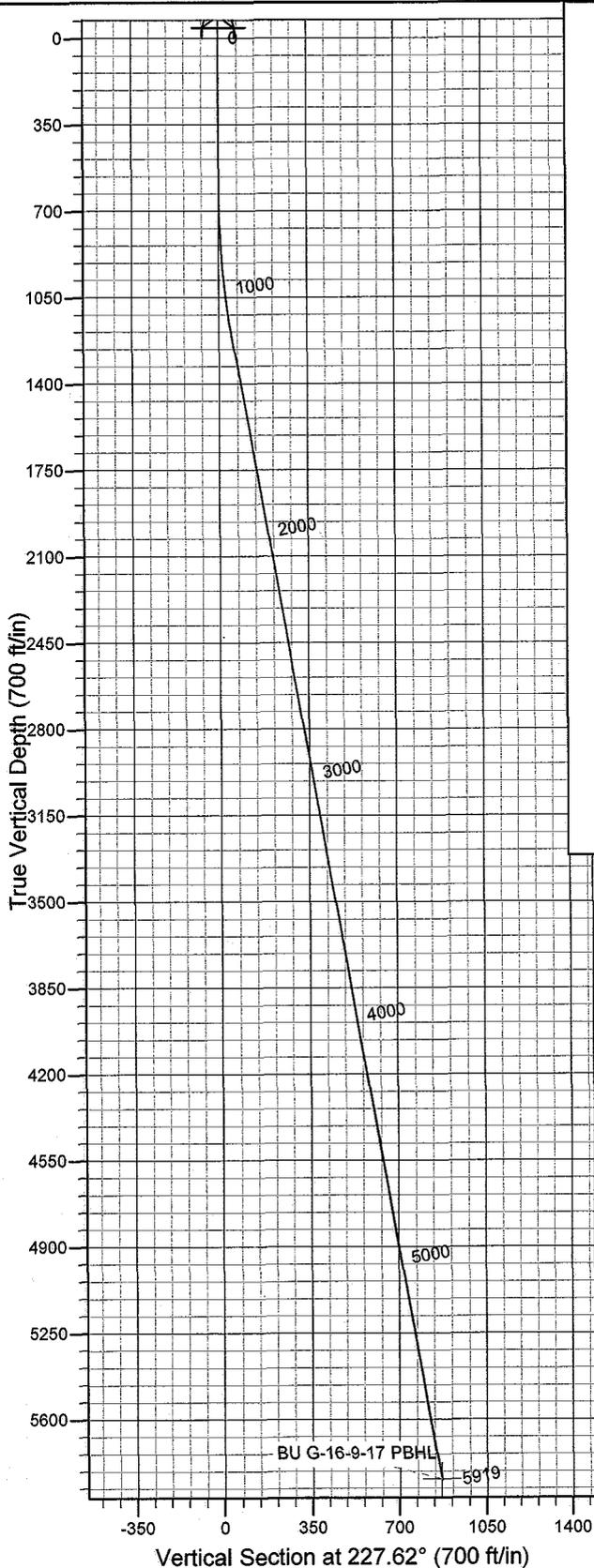


Azimuths to True North
Magnetic North: 11.64°

Magnetic Field
Strength: 52578.3snT
Dip Angle: 65.88°
Date: 2008/08/22
Model: IGRF2005-10

WELL DETAILS: Beluga Unit G-16-9-17

GL 5289' & RKB 12' @ 5301.00ft 5289.00
+N/-S 0.00 +E/-W 0.00 Northing 7185454.11 Easting 2056474.07 Latitude 40° 2' 11.050 N Longitude 110° 0' 50.260 W



Plan: Plan #1 (Beluga Unit G-16-9-17/OH)

Created By: Julie Cruse Date: 2008-08-22

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1268.25	10.02	227.62	1264.85	-39.30	-43.07	1.50	227.62	58.31	
5919.40	10.02	227.62	5845.00	-584.98	-641.09	0.00	0.00	867.87	BU G-16-9-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Beluga Unit

Beluga Unit G-16-9-17

OH

Plan: Plan #1

Standard Planning Report

22 August, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Beluga Unit
Well: Beluga Unit G-16-9-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Beluga Unit G-16-9-17
TVD Reference: GL 5289' & RKB 12' @ 5301.00ft
MD Reference: GL 5289' & RKB 12' @ 5301.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Beluga Unit,				
Site Position:		Northing:	7,186,685.53 ft	Latitude:	40° 2' 23.870 N
From:	Lat/Long	Easting:	2,052,488.32 ft	Longitude:	110° 1' 41.240 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.94 °

Well	Beluga Unit G-16-9-17, 645' FNL 1970' FWL Sec 16 T9S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,185,454.11 ft	Latitude:	40° 2' 11.050 N
	+E/-W	0.00 ft	Easting:	2,056,474.07 ft	Longitude:	110° 0' 50.260 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,289.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008/08/22	11.64	65.88	52,578

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	227.62

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,268.25	10.02	227.62	1,264.85	-39.30	-43.07	1.50	1.50	0.00	227.62	
5,919.40	10.02	227.62	5,845.00	-584.98	-641.09	0.00	0.00	0.00	0.00	0.00 BU G-16-9-17 PBHL

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Beluga Unit
Well: Beluga Unit G-16-9-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Beluga Unit G-16-9-17
TVD Reference: GL 5289' & RKB 12' @ 5301.00ft
MD Reference: GL 5289' & RKB 12' @ 5301.00ft
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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	227.62	699.99	-0.88	-0.97	1.31	1.50	1.50	0.00
800.00	3.00	227.62	799.91	-3.53	-3.87	5.23	1.50	1.50	0.00
900.00	4.50	227.62	899.69	-7.94	-8.70	11.77	1.50	1.50	0.00
1,000.00	6.00	227.62	999.27	-14.10	-15.46	20.92	1.50	1.50	0.00
1,100.00	7.50	227.62	1,098.57	-22.03	-24.14	32.68	1.50	1.50	0.00
1,200.00	9.00	227.62	1,197.54	-31.70	-34.74	47.03	1.50	1.50	0.00
1,268.25	10.02	227.62	1,264.85	-39.30	-43.07	58.31	1.50	1.50	0.00
1,300.00	10.02	227.62	1,296.11	-43.03	-47.15	63.83	0.00	0.00	0.00
1,400.00	10.02	227.62	1,394.59	-54.76	-60.01	81.24	0.00	0.00	0.00
1,500.00	10.02	227.62	1,493.06	-66.49	-72.87	98.64	0.00	0.00	0.00
1,600.00	10.02	227.62	1,591.53	-78.22	-85.72	116.05	0.00	0.00	0.00
1,700.00	10.02	227.62	1,690.01	-89.95	-98.58	133.45	0.00	0.00	0.00
1,800.00	10.02	227.62	1,788.48	-101.69	-111.44	150.86	0.00	0.00	0.00
1,900.00	10.02	227.62	1,886.95	-113.42	-124.30	168.27	0.00	0.00	0.00
2,000.00	10.02	227.62	1,985.43	-125.15	-137.15	185.67	0.00	0.00	0.00
2,100.00	10.02	227.62	2,083.90	-136.88	-150.01	203.08	0.00	0.00	0.00
2,200.00	10.02	227.62	2,182.37	-148.62	-162.87	220.48	0.00	0.00	0.00
2,300.00	10.02	227.62	2,280.85	-160.35	-175.73	237.89	0.00	0.00	0.00
2,400.00	10.02	227.62	2,379.32	-172.08	-188.58	255.29	0.00	0.00	0.00
2,500.00	10.02	227.62	2,477.79	-183.81	-201.44	272.70	0.00	0.00	0.00
2,600.00	10.02	227.62	2,576.27	-195.54	-214.30	290.11	0.00	0.00	0.00
2,700.00	10.02	227.62	2,674.74	-207.28	-227.16	307.51	0.00	0.00	0.00
2,800.00	10.02	227.62	2,773.22	-219.01	-240.01	324.92	0.00	0.00	0.00
2,900.00	10.02	227.62	2,871.69	-230.74	-252.87	342.32	0.00	0.00	0.00
3,000.00	10.02	227.62	2,970.16	-242.47	-265.73	359.73	0.00	0.00	0.00
3,100.00	10.02	227.62	3,068.64	-254.21	-278.59	377.13	0.00	0.00	0.00
3,200.00	10.02	227.62	3,167.11	-265.94	-291.44	394.54	0.00	0.00	0.00
3,300.00	10.02	227.62	3,265.58	-277.67	-304.30	411.95	0.00	0.00	0.00
3,400.00	10.02	227.62	3,364.06	-289.40	-317.16	429.35	0.00	0.00	0.00
3,500.00	10.02	227.62	3,462.53	-301.13	-330.02	446.76	0.00	0.00	0.00
3,600.00	10.02	227.62	3,561.00	-312.87	-342.87	464.16	0.00	0.00	0.00
3,700.00	10.02	227.62	3,659.48	-324.60	-355.73	481.57	0.00	0.00	0.00
3,800.00	10.02	227.62	3,757.95	-336.33	-368.59	498.97	0.00	0.00	0.00
3,900.00	10.02	227.62	3,856.42	-348.06	-381.44	516.38	0.00	0.00	0.00
4,000.00	10.02	227.62	3,954.90	-359.80	-394.30	533.79	0.00	0.00	0.00
4,100.00	10.02	227.62	4,053.37	-371.53	-407.16	551.19	0.00	0.00	0.00
4,200.00	10.02	227.62	4,151.85	-383.26	-420.02	568.60	0.00	0.00	0.00
4,300.00	10.02	227.62	4,250.32	-394.99	-432.87	586.00	0.00	0.00	0.00
4,400.00	10.02	227.62	4,348.79	-406.72	-445.73	603.41	0.00	0.00	0.00
4,500.00	10.02	227.62	4,447.27	-418.46	-458.59	620.81	0.00	0.00	0.00
4,600.00	10.02	227.62	4,545.74	-430.19	-471.45	638.22	0.00	0.00	0.00
4,700.00	10.02	227.62	4,644.21	-441.92	-484.30	655.62	0.00	0.00	0.00
4,800.00	10.02	227.62	4,742.69	-453.65	-497.16	673.03	0.00	0.00	0.00
4,900.00	10.02	227.62	4,841.16	-465.38	-510.02	690.44	0.00	0.00	0.00
5,000.00	10.02	227.62	4,939.63	-477.12	-522.88	707.84	0.00	0.00	0.00
5,100.00	10.02	227.62	5,038.11	-488.85	-535.73	725.25	0.00	0.00	0.00
5,200.00	10.02	227.62	5,136.58	-500.58	-548.59	742.65	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Beluga Unit
Well: Beluga Unit G-16-9-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Beluga Unit G-16-9-17
TVD Reference: GL 5289' & RKB 12' @ 5301.00ft
MD Reference: GL 5289' & RKB 12' @ 5301.00ft
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)
5,300.00	10.02	227.62	5,235.05	-512.31	-561.45	760.06	0.00	0.00	0.00
5,400.00	10.02	227.62	5,333.53	-524.05	-574.31	777.46	0.00	0.00	0.00
5,500.00	10.02	227.62	5,432.00	-535.78	-587.16	794.87	0.00	0.00	0.00
5,600.00	10.02	227.62	5,530.47	-547.51	-600.02	812.28	0.00	0.00	0.00
5,700.00	10.02	227.62	5,628.95	-559.24	-612.88	829.68	0.00	0.00	0.00
5,800.00	10.02	227.62	5,727.42	-570.97	-625.74	847.09	0.00	0.00	0.00
5,900.00	10.02	227.62	5,825.90	-582.71	-638.59	864.49	0.00	0.00	0.00
5,919.40	10.02	227.62	5,845.00	-584.98	-641.09	867.87	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BU G-16-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	5,845.00	-584.98	-641.09	7,184,858.56	2,055,842.79	40° 2' 5.268 N	110° 0' 58.503 W

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

BELUGA G-16-9-17 (Proposed Well)

BELUGA 16-3-9-17 (Existing Well)

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



Existing Access

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
G-16-9-17	40° 02' 11.05"	110° 00' 50.26"
16-3-9-17	40° 02' 10.86"	110° 00' 50.12"

TOP HOLE FOOTAGES

G-16-9-17 (PROPOSED)
645' FNL & 1970' FWL

BOTTOM HOLE FOOTAGES

G-16-9-17 (PROPOSED)
1230' FNL & 1330' FWL

G-16-9-17 (PROPOSED)

16-3-9-17 (EXISTING)

Existing Anchor
(Typ.)

Pump Jack

S75°07'38"E

Future Pit

Edge of Existing Pad

S47°37'20"W - 867.87'
(To Bottom Hole)

Existing Access

Existing Stock Pile

RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
G-16-9-17	-585'	-641'

Note:
Bearings are based on GLO Information.

SURVEYED BY: C.M.	DATE SURVEYED: 06-17-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-03-08
SCALE: 1" = 50'	REVISED:

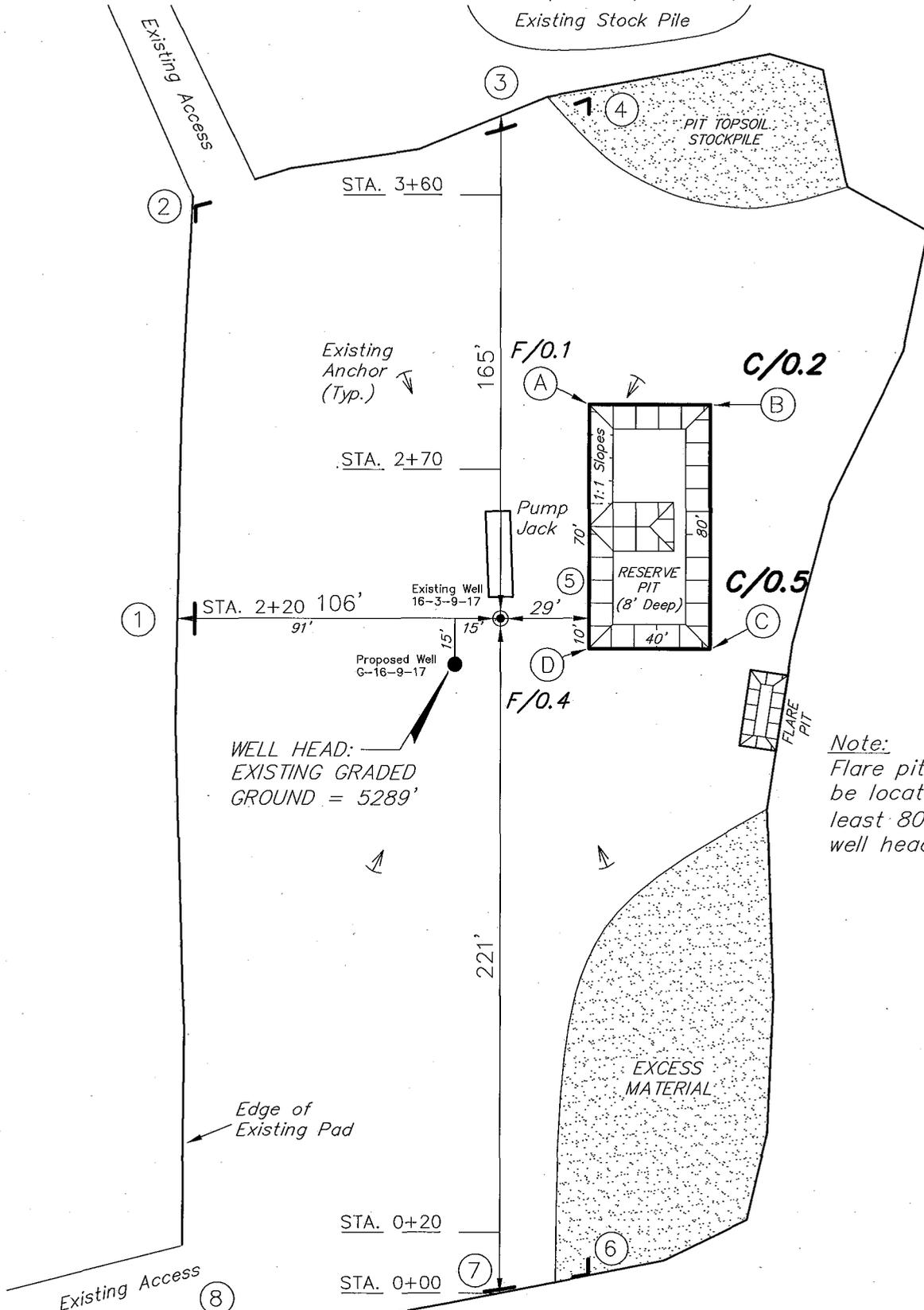
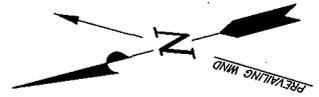
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

BELUGA G-16-9-17 (Proposed Well)
BELUGA 16-3-9-17 (Existing Well)

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

Existing Stock Pile



Note:
 Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	DATE SURVEYED: 06-17-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-07-08
SCALE: 1" = 50'	REVISED:

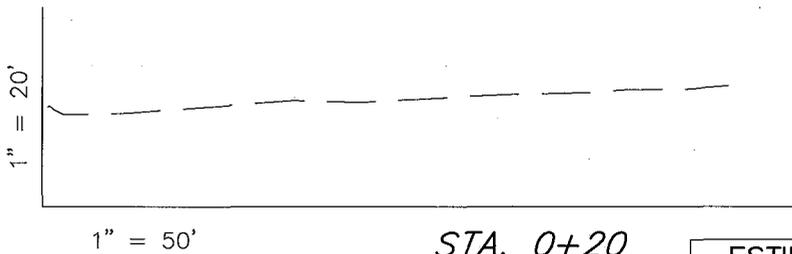
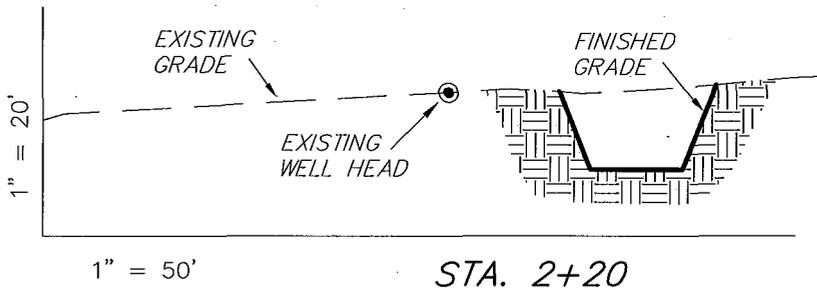
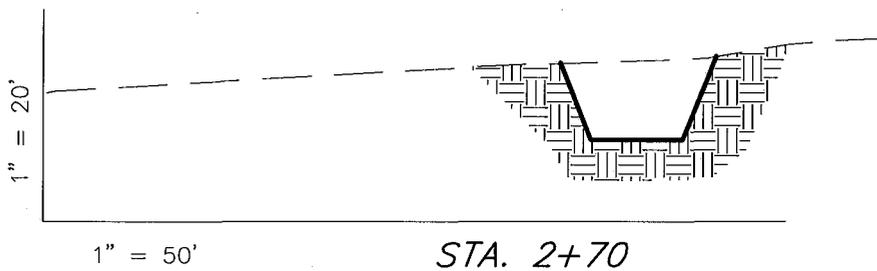
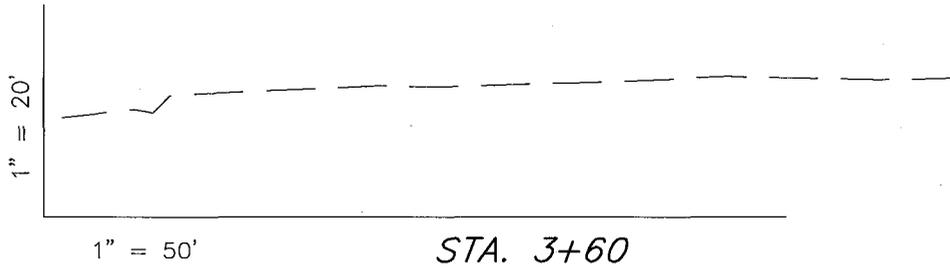
Tri State (435) 781-2501
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NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

BELUGA G-16-9-17 (Proposed Well)

BELUGA 16-3-9-17 (Existing Well)



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	30	0	Topsoil is not included in Pad Cut	30
PIT	640	0		640
TOTALS	670	0	60	670

SURVEYED BY: C.M.	DATE SURVEYED: 06-17-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-07-08
SCALE: 1" = 50'	REVISED:

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

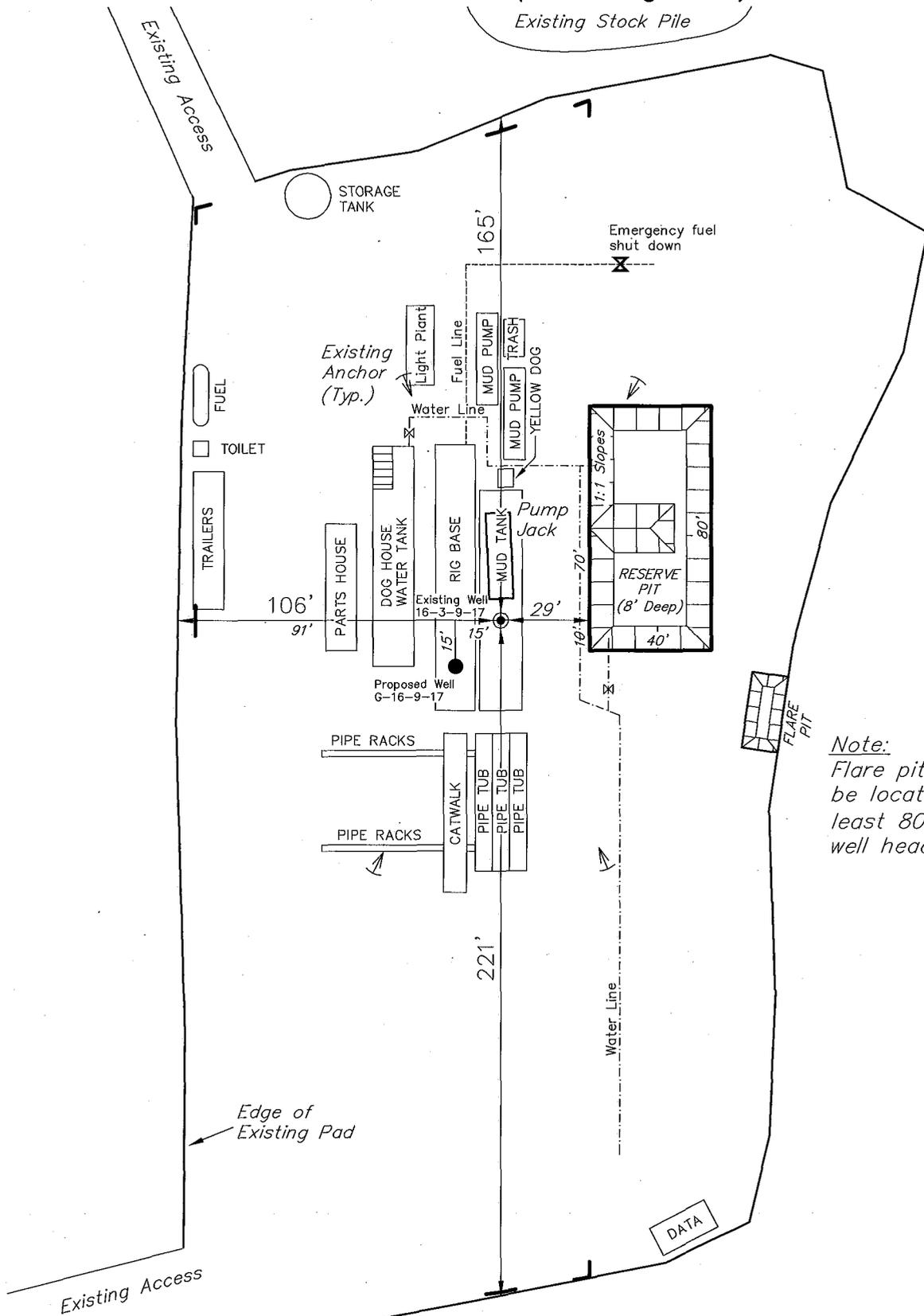
NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

BELUGA G-16-9-17 (Proposed Well)

BELUGA 16-3-9-17 (Existing Well)

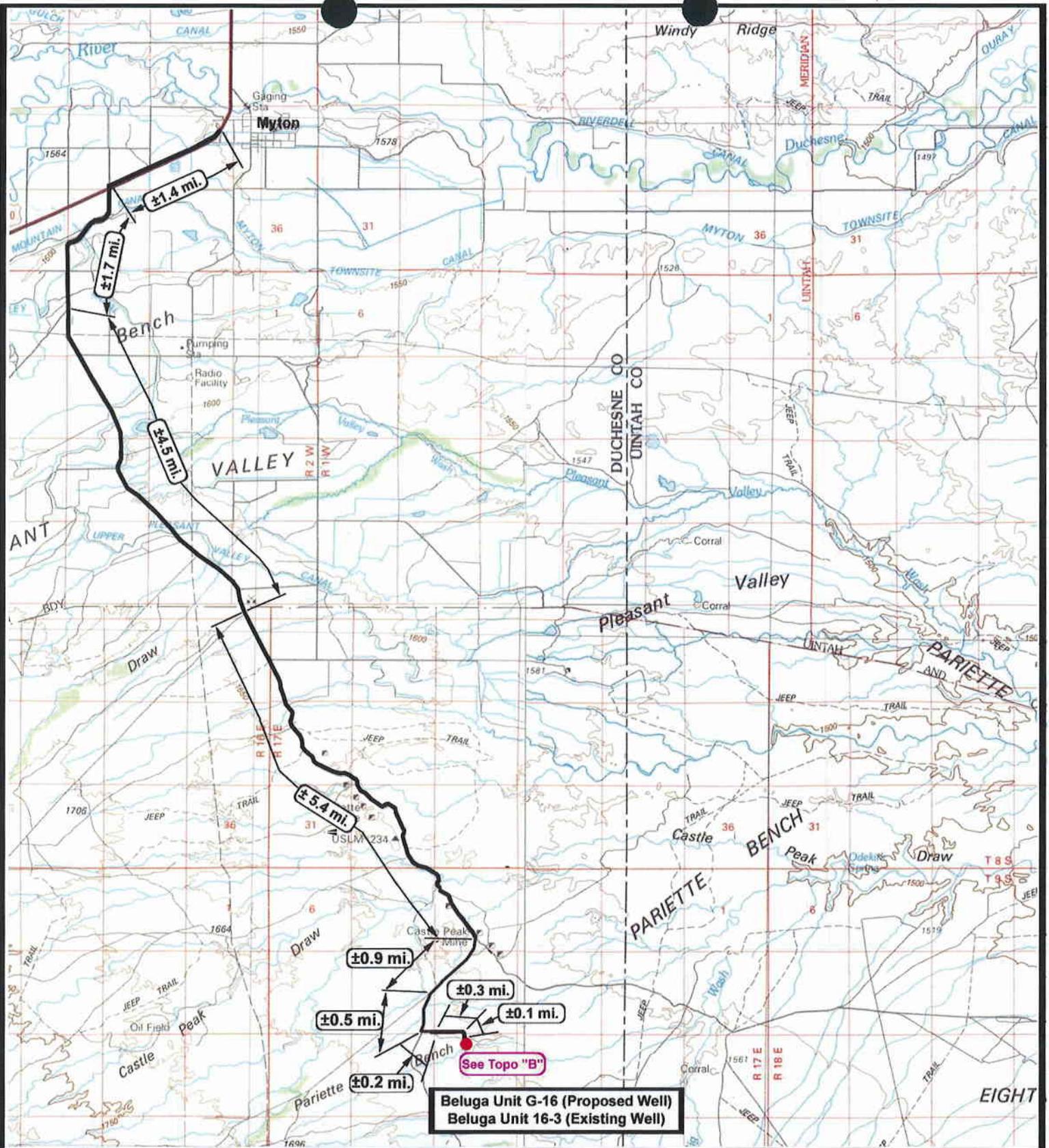
Existing Stock Pile



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	DATE SURVEYED: 06-17-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-07-08
SCALE: 1" = 50'	REVISED:

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



NEWFIELD
Exploration Company

Beluga Unit G-16-9-17 (Proposed Well)
Beluga Unit 16-3-9-17 (Existing Well)
 Pad Location: NENW Sec. 16, T9S, R17E, S.L.B.&M.



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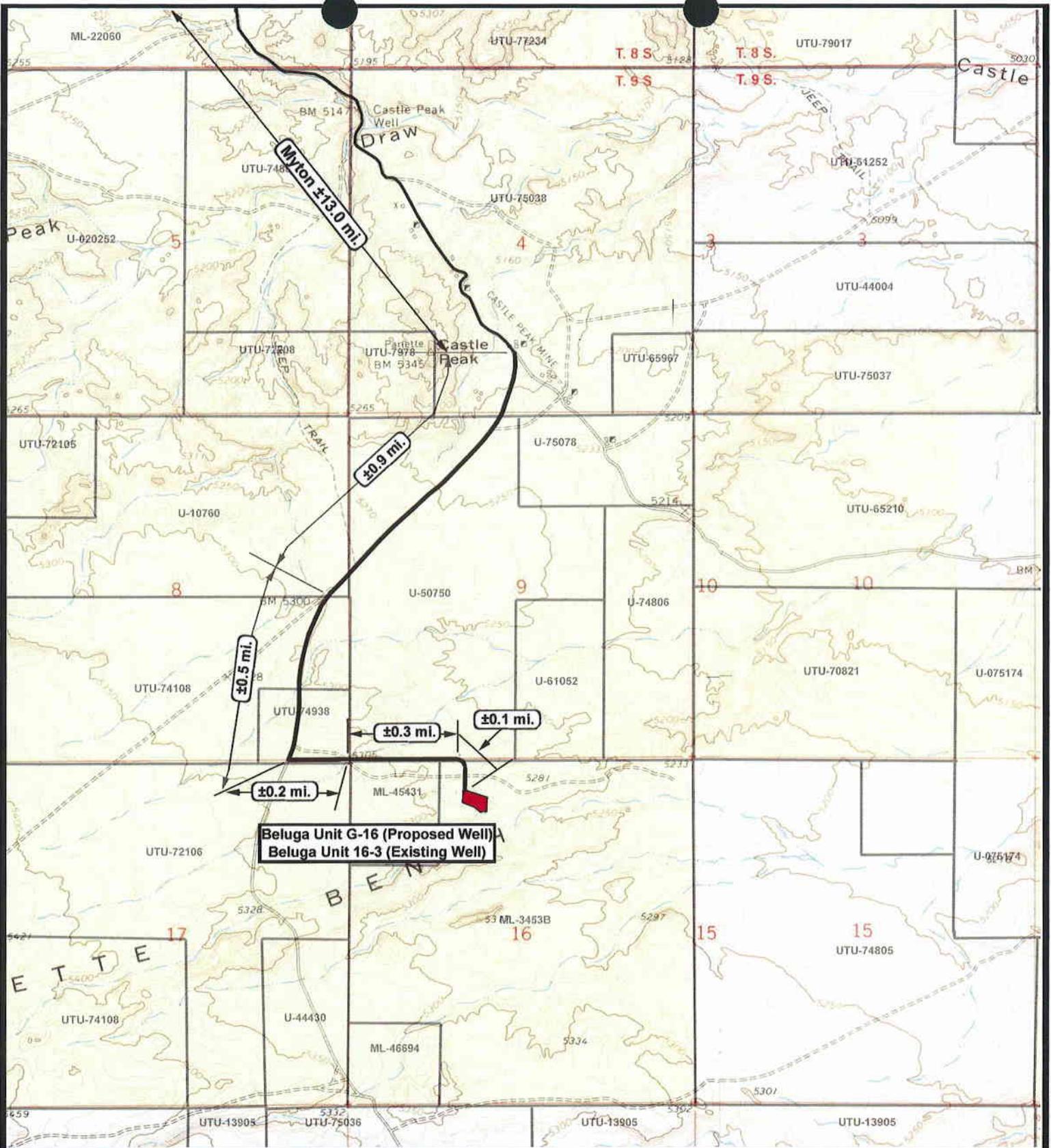
SCALE: 1:100,000
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

Beluga Unit G-16-9-17 (Proposed Well)
Beluga Unit 16-3-9-17 (Existing Well)
 Pad Location: NENW Sec. 16, T9S, R17E, S.L.B.&M.



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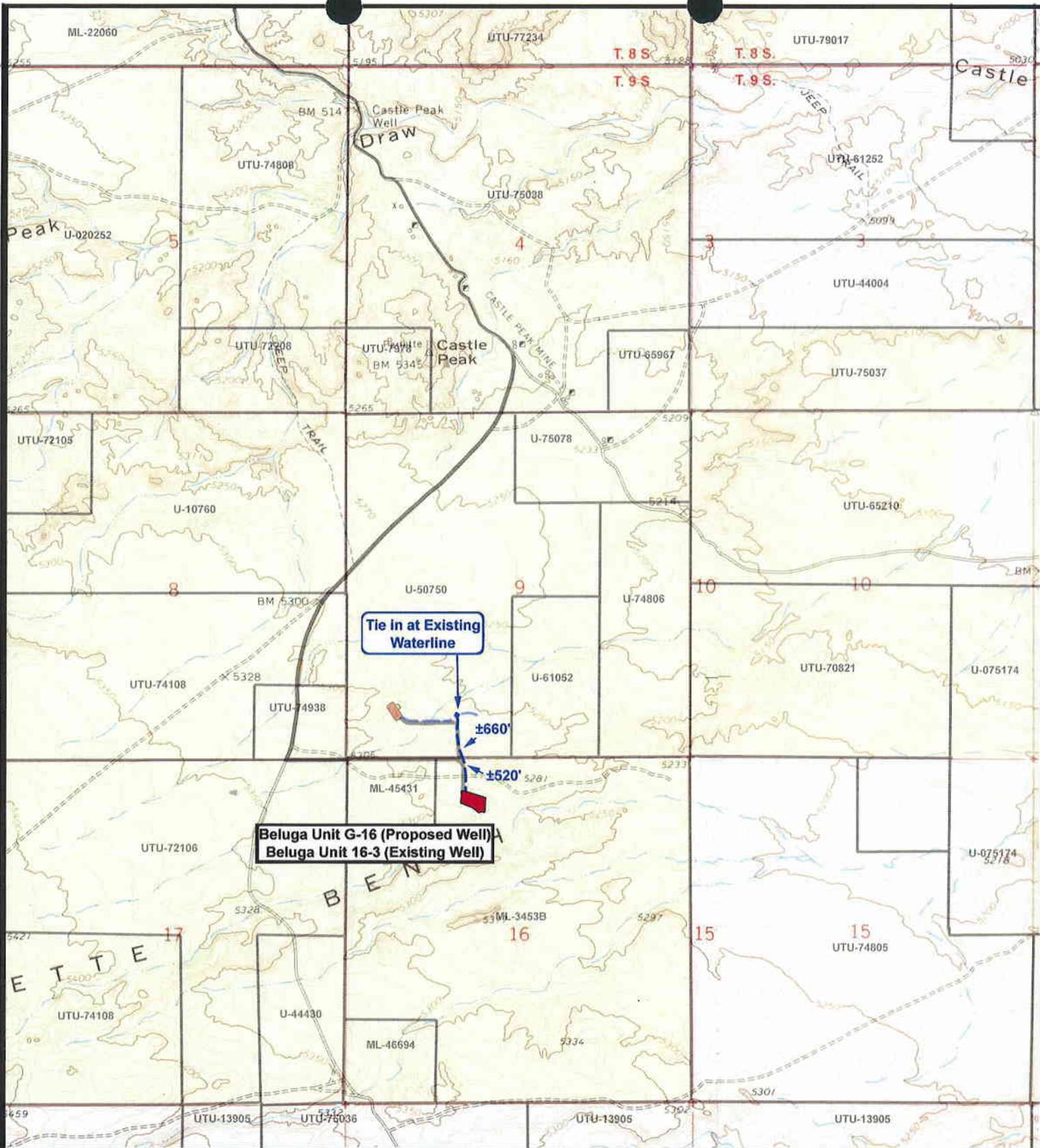
SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"B"



Beluga Unit G-16 (Proposed Well)
Beluga Unit 16-3 (Existing Well)

**Tie in at Existing
Waterline**

±660'
±520'

NEWFIELD
Exploration Company

Beluga Unit G-16-9-17 (Proposed Well)
Beluga Unit 16-3-9-17 (Existing Well)
 Pad Location: NENW Sec. 16, T9S, R17E, S.L.B.&M.



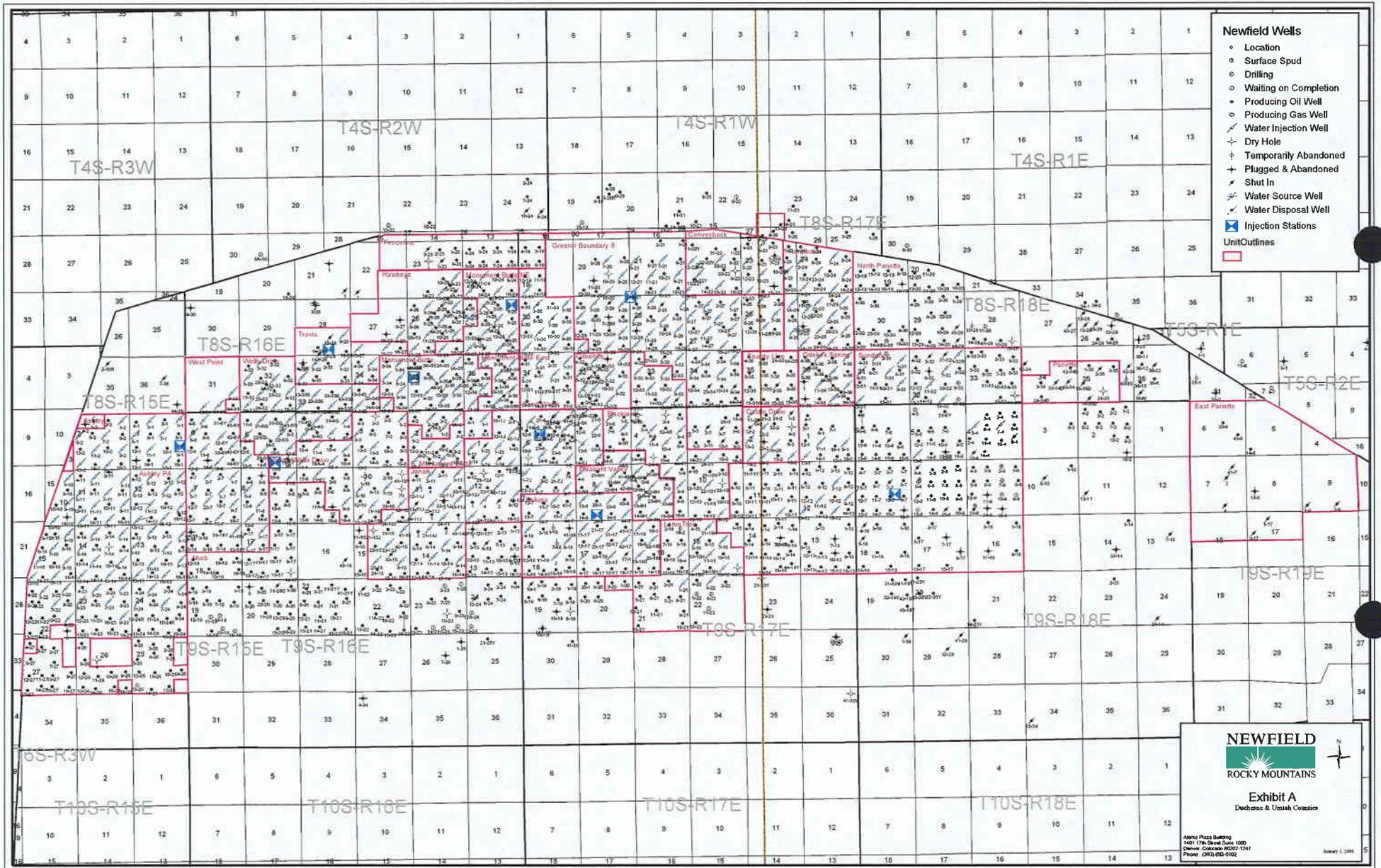
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

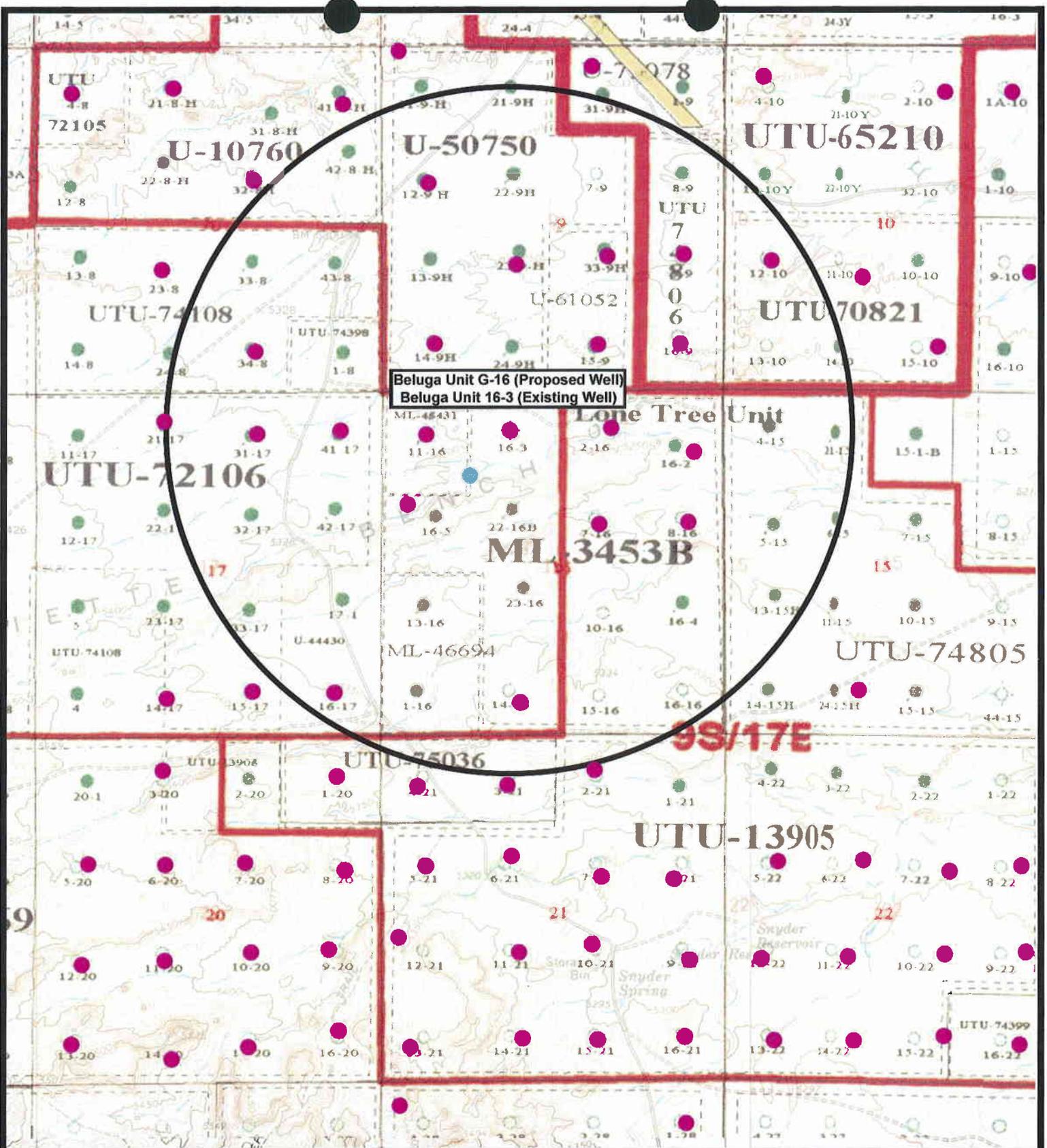
SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"C"





Beluga Unit G-16 (Proposed Well)
 Beluga Unit 16-3 (Existing Well)



NEWFIELD
Exploration Company

Beluga Unit G-16-9-17 (Proposed Well)
Beluga Unit 16-3-9-17 (Existing Well)
 Pad Location: NENW Sec. 16, T9S, R17E, S.L.B.&M.



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

SCALE: 1" = 2000'
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

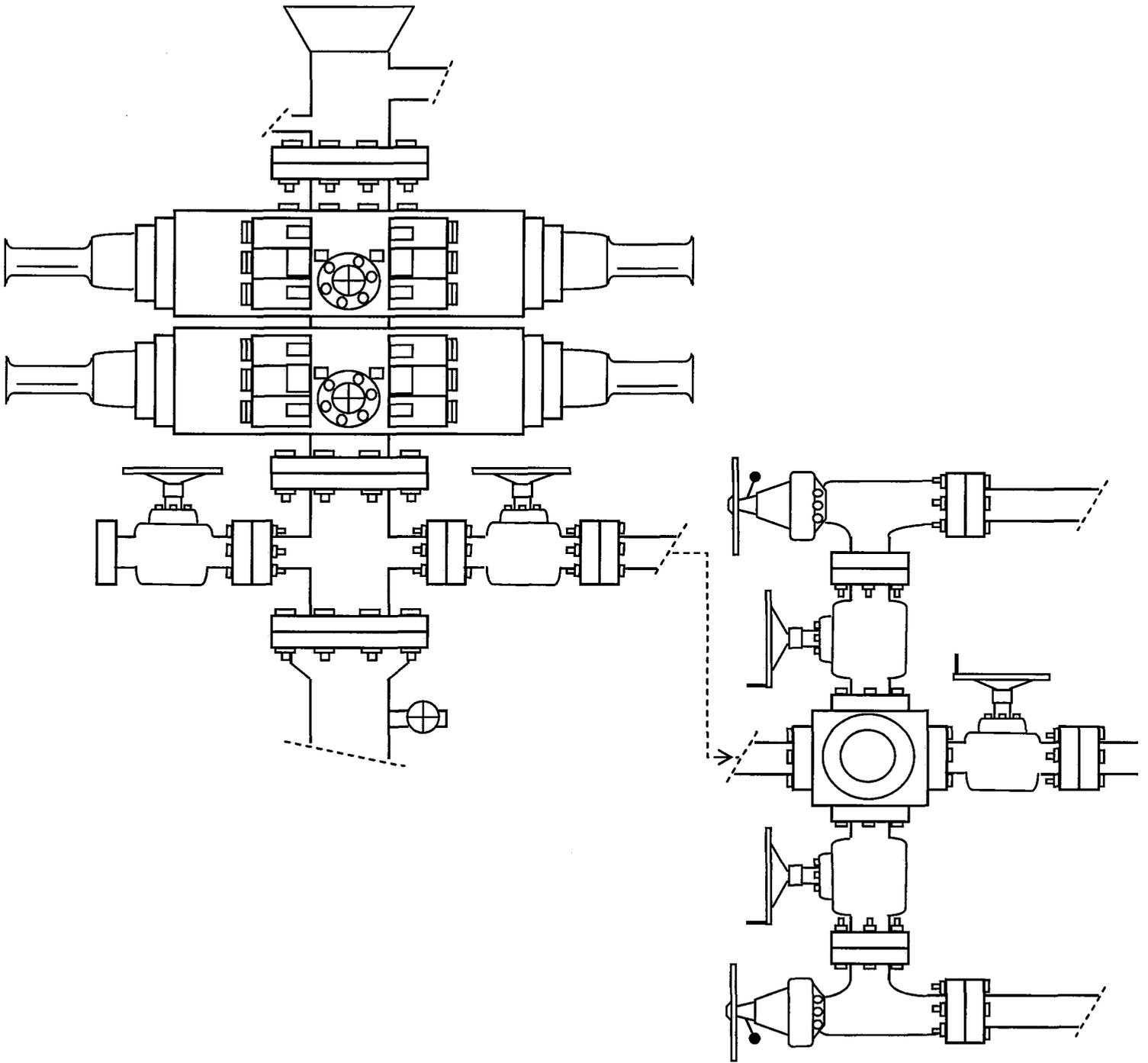


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/30/2008

API NO. ASSIGNED: 43-013-34122

WELL NAME: BELUGA ST G-16-9-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENW 16 090S 170E
 SURFACE: 0645 FNL 1970 FWL
 BOTTOM: 1230 FNL 1330 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.03648 LONGITUDE: -110.0132
 UTM SURF EASTINGS: 584193 NORTHINGS: 4432063
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DWD	1/12/09
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-3453B
 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:

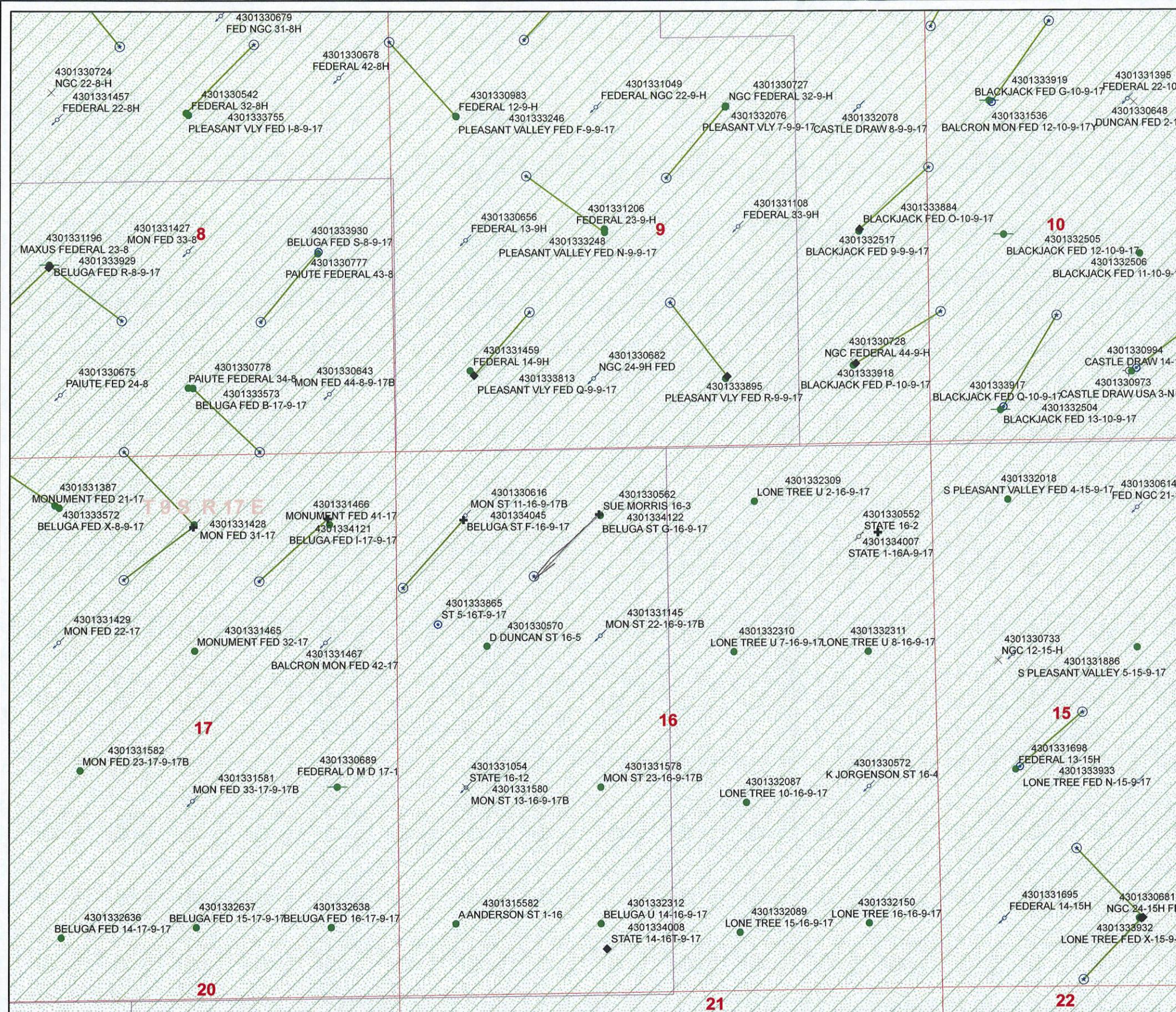
- ____ R649-2-3.
- Unit: BELUGA (GRRV)
- ____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 228-4
Eff Date: 2-4-1996
Siting: Does Not Suspend Gen. Siting
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (11-12-08)

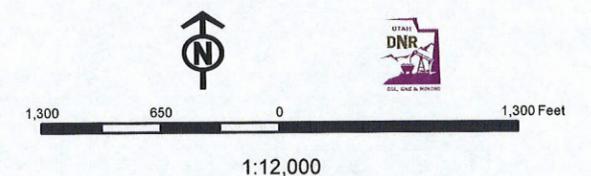
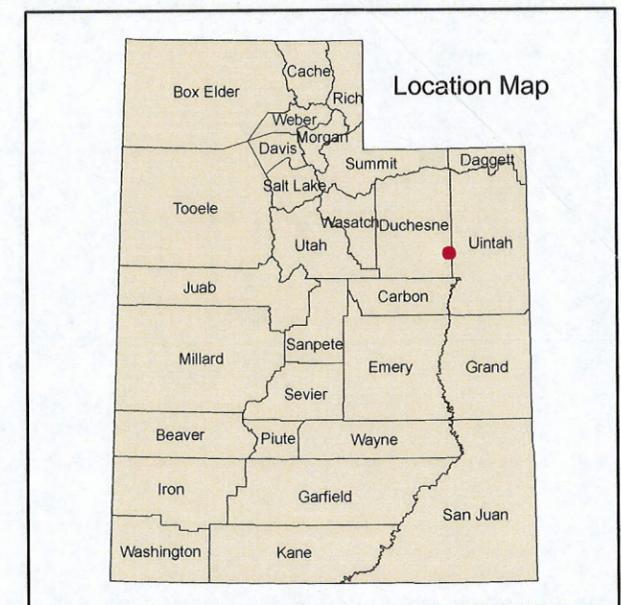
STIPULATIONS: 1- STATEMENT OF BASIS

API Number: 4301334122
Well Name: BELUGA ST G-16-9-17
Township 09.0 S Range 17.0 E Section 16
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 |
| INF PP OIL | DRL |
| INF 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 |



Application for Permit to Drill

Statement of Basis

12/11/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM No
1170	43-013-34122-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY	Surface Owner-APD			
Well Name	BELUGA ST G-16-9-17	Unit	BELUGA (GRRV)		
Field	MONUMENT BUTTE	Type of Work			
Location	NENW 16 9S 17E S 645 FNL 1970 FWL GPS Coord (UTM) 584193E 4432063N				

Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill
APD Evaluator

12/9/2008
Date / Time

Surface Statement of Basis

The proposed Beluga State G-16-9-17 Oil Well, is a directional well to be drilled from the existing pad of the Beluga State 16-3-9-17 which is an existing oil well. No additions are planned to the previous disturbance. The site appears to have been stable for drilling and operating the existing well. No problems are anticipated in adding an additional well to the pad.

A reserve pit 40' x 70' x 8' deep is planned on the south side of the location. It will be within an area of cut. A 16-mil liner with an appropriate thickness of sub-felt to cushion the rocks is required.

Both the minerals and surface are owned by SITLA. Jim Davis and Ed Bonner of SITLA were invited to the pre-site visit. Neither attended. Ben Williams of the Utah Division of Wildlife Resources also was invited but did not attend.

Floyd Bartlett
Onsite Evaluator

11/12/2008
Date / Time

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.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name BELUGA ST G-16-9-17
API Number 43-013-34122-0 **APD No** 1170 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NENW **Sec** 16 **Tw** 9S **Rng** 17E 645 FNL 1970 FWL
GPS Coord (UTM) 584183 4432064 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield Exploration Company), James Herford (BLM) and Cody Miller (Tri-State Land Surveying, Inc.)

Regional/Local Setting & Topography

The proposed Beluga State G-16-9-17 Oil Well, is a directional well to be drilled from the existing pad of the Beluga State 16-3-9-17 which is an existing oil well. No additions are planed to the previous disturbance. The site appears to have been stable for drilling and operating the existing well. No problems are anticipated in adding an additional well to the pad

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0	Width 200	Length 386	Offsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Existing pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potental Observed?	Cultural Survey Run?	Cultural Resources?
--------------------------	---------------------------------	-----------------------------	----------------------------

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
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		25
		1 Sensitivity Level

Characteristics / Requirements

A reserve pit 40' x 70' x 8' deep is planned on the south side of the location. It will be within an area of cut. A 16-mil liner with an appropriate thickness of sub-felt to cushion the rocks is required.

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

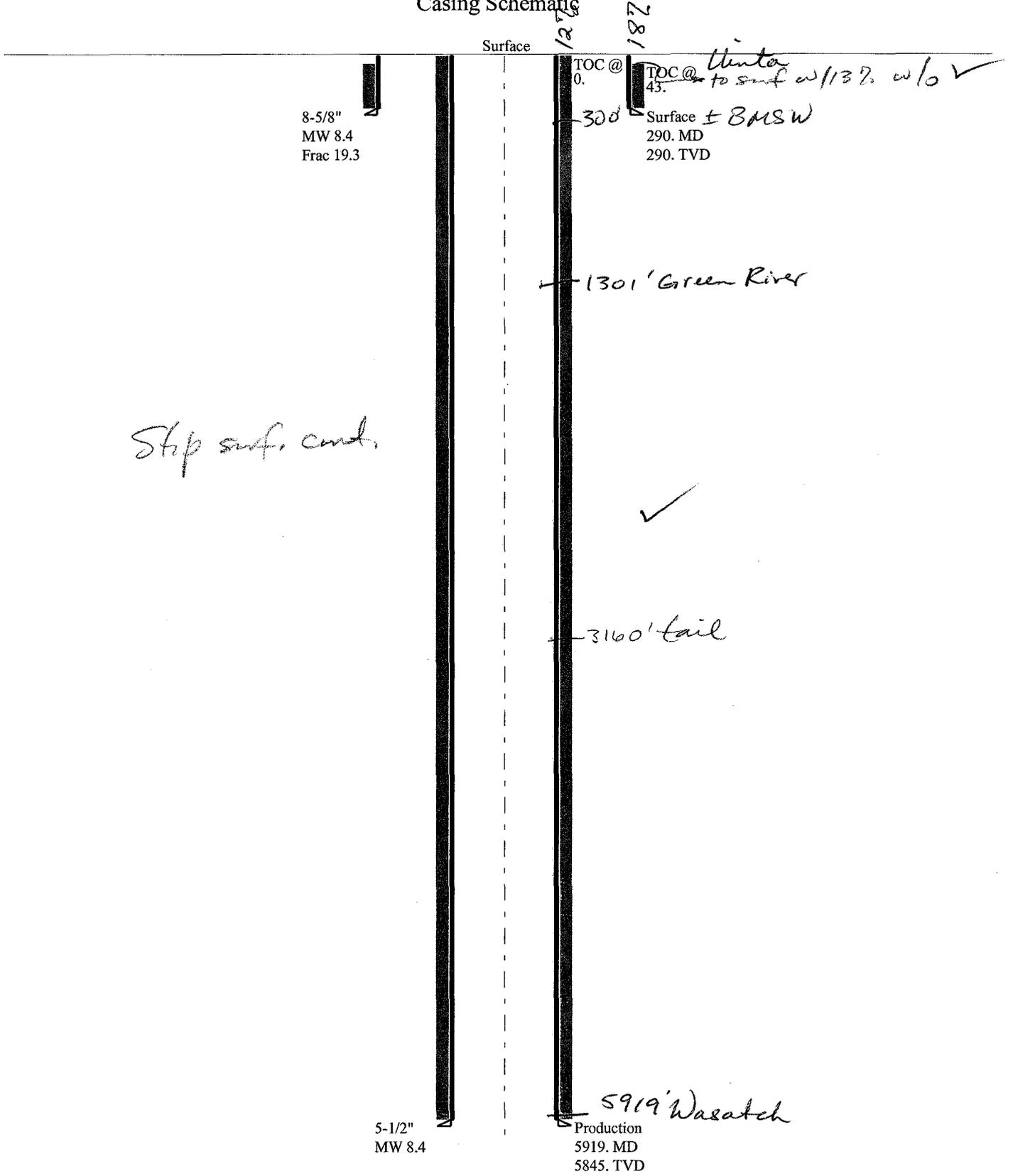
Other Observations / Comments

Floyd Bartlett
Evaluator

11/12/2008
Date / Time

43013341220000 Beluga ST G-16-9-17

Casing Schematic



8-5/8"
MW 8.4
Frac 19.3

TOC @
0.

TOC @
43.

Hinta
to surf w/13% w/o ✓

300

Surface ± BMSW
290. MD
290. TVD

1301' Green River

Stop surf. cont.



3160' tail

5-1/2"
MW 8.4

Production
5919. MD
5845. TVD

5919' Wasatch

Well name:	43013341220000 Beluga ST G-16-9-17	
Operator:	Newfield Production Company	
String type:	Surface	Project ID: 43-013-34122-0000
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

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft

Burst

Max anticipated surface pressure: 255 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 290 psi

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)

Cement top: 43 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 5,845 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,550 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 290 ft
Injection pressure: 290 psi

Tension is based on air weight.
Neutral point: 253 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	290	8.625	24.00	J-55	ST&C	290	290	7.972	103.7

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	127	1370	10.826	290	2950	10.17	7	244	35.06 J

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

Phone: 810-538-5357

Date: January 8, 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 290 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:	43013341220000 Beluga ST G-16-9-17	
Operator:	Newfield Production Company	
String type:	Production	Project ID: 43-013-34122-0000
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: 147 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft
 Cement top: 74 ft

Burst

Max anticipated surface pressure: 1,265 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,550 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)

Directional well information:

Kick-off point 600 ft
 Departure at shoe: 867 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 10.02 °

Tension is based on buoyed weight.
 Neutral point: 5,165 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	5919	5.5	15.50	J-55	LT&C	5845	5919	4.825	791
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	2550	4040	1.584	2550	4810	1.89	79	217	2.74 J

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

Phone: 810-538-5357

Date: January 8, 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 5845 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.
 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.

BOPE REVIEW

Newfield Beluga ST G-16-9-17

API 43-013-34122-0000

INPUT

Well Name

Newfield Beluga ST G-16-9-17		API 43-013-34122-0000	
String 1	String 2		
Casing Size (")	8 5/8	5 1/2	
Setting Depth (TVD)	290	5919	
Previous Shoe Setting Depth (TVD)	0	290	
Max Mud Weight (ppg)	8.4	8.4	✓
BOPE Proposed (psi)	0	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	2563	8.3 ppg	✓

Calculations

		String 1	8 5/8 "	
Max BHP [psi]	$.052 \times \text{Setting Depth} \times \text{MW} =$		127	
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 \times \text{Setting Depth}) =$		92	BOPE Adequate For Drilling And Setting Casing at Depth? NO <i>OK</i> Air drill
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 \times \text{Setting Depth}) =$		63	NO
Pressure At Previous Shoe	$\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		63	*Can Full Expected Pressure Be Held At Previous Shoe? ← NO <i>OK</i>
Required Casing/BOPE Test Pressure			290 psi	
*Max Pressure Allowed @ Previous Casing Shoe =			0 psi	*Assumes 1psi/ft frac gradient

Calculations

		String 2	5 1/2 "	
Max BHP [psi]	$.052 \times \text{Setting Depth} \times \text{MW} =$		2585	
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 \times \text{Setting Depth}) =$		1875	BOPE Adequate For Drilling And Setting Casing at Depth? YES Air Drill
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 \times \text{Setting Depth}) =$		1283	YES ✓
Pressure At Previous Shoe	$\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		1347	*Can Full Expected Pressure Be Held At Previous Shoe? ← NO <i>Reasonable for a 187</i>
Required Casing/BOPE Test Pressure			2000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =			290 psi	*Assumes 1psi/ft frac gradient



October 31, 2008

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

RE: Directional Drilling
Beluga Federal G-16-9-17
Beluga Unit
UTU-75023X
Surface Hole: T9S R17E, Section 16: NENW
645' FNL 1970' FWL
Bottom Hole: T9S R17E, Section 16
1230' FNL 1330' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated October 20, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Beluga Unit UTU-75023X. Newfield certifies that it is the Beluga Unit Operator and all lands within 460 feet of the entire directional well bore are within the Beluga Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland
Land Associate

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NOV 05 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO. ML-3453B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME Beluga
8. FARM OR LEASE NAME Beluga
9. WELL NO. Beluga State G-16-9-17
10. FIELD AND POOL OR WILDCAT Monument Butte
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW Sec. 16, T9S, R17E
12. County Duchesne
13. STATE UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK **DRILL** **DEEPEN**

1b. TYPE OF WELL

OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Newfield Production Company

3. ADDRESS AND TELEPHONE NUMBER:
Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

4. LOCATION OF WELL (FOOTAGE)
At Surface **NE/NW 645' FNL 1970' FWL**
At proposed Producing Zone **1230' FNL 1330' FWL**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 15.0 miles southeast of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Approx. 10' f/lse line and 1230' f/unit line	16. NO. OF ACRES IN LEASE 560.00	17. NO. OF ACRES ASSIGNED TO THIS WELL 20
--	--	---

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1220' (Down Hole)	19. PROPOSED DEPTH 5845'	20. ROTARY OR CABLE TOOLS Rotary
--	------------------------------------	--

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5289' GL

22. APPROX. DATE WORK WILL START*
1st Quarter 2009

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

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

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

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

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

24. Name & Signature: *Mandie Crozier* Title: Regulatory Specialist Date: 10/20/2008
Mandie Crozier

(This space for State use only)

API Number Assigned: _____ APPROVAL: _____

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DIV. OF OIL, GAS & MINING

*See Instructions On Reverse Side

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

November 4, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Beluga Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2008 within the Beluga Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Green River)

43-013-34122	Beluga St G-16-9-17	Sec 16 T09S R17E 0645 FNL 1970 FWL
	BHL	Sec 16 T09S R17E 1230 FNL 1330 FWL

We have no objections to permitting the well so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Beluga Unit
 Division of Oil Gas and Mining
 Central Files
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:11-4-08

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 2/4/2009 3:12 PM
Subject: Well approvals Newfield(2) Kerr McGee(4)

CC: Garrison, LaVonne

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

NBU 921-27J1S 4304750102*

NBU 921-27J4S 4304750103*

NBU 921-27P3S 4304750099*

*Paleo monitoring required on construction in the SE corner of the expansion of this pad.

NBU 1021-12A 4304739383

Beluga St G-16-9-17 4301334122

Beluga St Q-16-9-17 4301334048

-Jim

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



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

February 5, 2009

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

Re: Beluga State G-16-9-17 Well, 645' FNL, 1970' FWL, NE NW, Sec. 16, T. 9 South, R. 17 East, Bottom Location 1230' FNL, 1330' FWL, NE NW, Sec. 16, T. 9 South, R. 17 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 43-013-34122.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA
Bureau of Land Management, Vernal Office



Operator: Newfield Production Company
Well Name & Number Beluga State G-16-9-17
API Number: 43-013-34122
Lease: ML-3453B

Location: NE NW Sec. 16 T. 9 South R. 17 East
Bottom Location: NE NW Sec. 16 T. 9 South R. 17 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.

Page 2

43-013-34122

February 5, 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. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #
21 Submitted By Don Bastian Phone

Number 435-823-6012

Well Name/Number Beluga State G-16-9-17

Qtr/Qtr NE/NW Section 16 Township 9S Range 17E

Lease Serial Number ML-
3453B

API Number 43-013-34122

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

Date/Time 4/14/09 9:00 AM PM

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

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

Date/Time 4/17/09 3:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks Move Ross Rig #21 Friday To Beluga State G-16-9-17

Spud 9:00 AM

4/17/09 Set 85/8" Csg AT 3:00 PM 4/17/09

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-45431

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BELUGA UNIT

8. WELL NAME and NUMBER:
BELUGA G-16-9-17

9. API NUMBER:
4301334122

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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 GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

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

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: , 16, T9S, R17E STATE: UT

II. 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 <hr/> <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>04/29/2009</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
On 4/17/09 MIRU NDSI Ross Rig # 21. Spud well @ 9:00 AM. Drill 303' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 312.66 KB On 4/21/09 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Alvin Nielsen TITLE Drilling Foreman

SIGNATURE *Alvin Nielsen* DATE 04/29/2009

(This space for State use only)

RECEIVED
MAY 12 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Beluga State G-16-9-17

API number: 43-013-34122

Well Location: NE/NW Section 16 Township 9S Range 17E County Duchesne

Well Operator: Newfield Production Company

Address: RT. BOX 3630, Myton Utah, 84052

Phone: 435-646-3721

Drilling Contractor: Ross Rig # 21

Address: RT. BOX 3630, Myton Utah, 84052

Phone: 435-646-3721

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
120'		20 GPM	

There was no water tested because the sample was run over.

Formation Tops: Surface _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 4/29/09

Name & Signature: Alvin Nielsen

Time: 8:30 Am



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	12418 ✓	4301334076	WEST POINT FEDERAL G-6-9-16	SENW	6	9S	16E	DUCHESNE	4/25/2009	5/19/09
WELL 1 COMMENTS: <i>GRPV BHL = SENW</i>											
B	99999	12417 ✓	4301334161	LONE TREE FEDERAL 14-21-9-17	SESW	21	9S	17E	DUCHESNE	4/29/2009	5/19/09
WELL 2 COMMENTS: <i>GRPV</i>											
A	99999	17310	4301333424	FEDERAL 2-29-9-16	NWNE	29	9S	16E	DUCHESNE	4/28/2009	5/19/09
WELL 3 COMMENTS: <i>GRPV</i>											
B	99999	11880 ✓	4301334122	BELUGA STATE G-16-9-17	NENW	16	9S	17E	DUCHESNE	4/17/2009	5/19/09
WELL 4 COMMENTS: <i>GRPV BHL = NENW</i>											
A	99999	17311	4301333586	FEDERAL 12-22-9-16	NWSE	22	9S	16E	DUCHESNE	4/28/2009	5/19/09
WELL 5 COMMENTS: <i>GRPV NWSW</i>											
A	99999	17312	4301334230	STATE 5-36-8-15	SWNW	36	8S	15E	DUCHESNE	4/27/2009	5/19/09
WELL 6 COMMENTS: <i>GRPV</i>											

ACTION CODES (See instructions on back of form)

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

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

RECEIVED

APR 30 2009

DIV. OF OIL, GAS & MINING

Signature: *[Handwritten Signature]*
 Production Clerk
 Date: *4/30/09*
~~04/17/09~~

Jentri Park

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-45431

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BELUGA UNIT

8. WELL NAME and NUMBER:
BELUGA G-16-9-17

9. API NUMBER:
4301334122

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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 GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

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

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 16, T9S, R17E 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: 05/11/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 5/4/09 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 272'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,885' & a TVD of 5783'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 148 jt's of 5.5 J-55, 15.5# csgn. Set @ 6021' / KB. Cement with 240 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 35 bbls cement returned to pit. Nipple down Bop's. Drop slips @80,000 #'s tension. Release rig 6:00 AM 5/10/09.

NAME (PLEASE PRINT) Alvin Nielsen TITLE Drilling Foreman

SIGNATURE *Alvin Nielsen* DATE 05/11/2009

(This space for State use only)

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MAY 19 2009
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-45431

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BELUGA UNIT

8. WELL NAME and NUMBER:
BELUGA G-16-9-17

9. API NUMBER:
4301334122

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

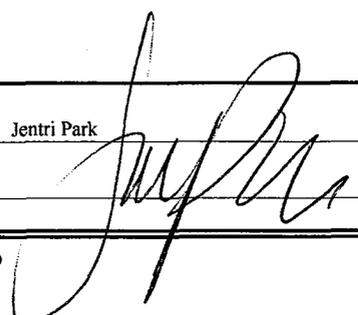
4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 16, T9S, R17E 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: <u>07/23/2009</u>	<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 06/18/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk
SIGNATURE  DATE 07/23/2009

(This space for State use only)

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JUL 30 2009
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

BELUGA G-16-9-17

4/1/2009 To 8/30/2009

5/20/2009 Day: 1

Completion

Rigless on 5/20/2009 - 5/19/09: Run CBL & shoot first stage. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5787' & cement top @ 40'. Perforate stage #1, CP5 sds @ 5678-86' w/ 3 1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 4 spf for total of 32 shots. 135 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$12,188

5/26/2009 Day: 2

Completion

Rigless on 5/26/2009 - (5-26-09) Frac Stages 1 thru 6. Tagged sand high on stage 7. Flowback well. - Stage #2, CP4 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 6' perf gun. Set plug @ 5635'. Perforate CP4 sds @ 5585-91' w/ 3-1/8" Slick Guns w/ 4 spf for total of 24 shots. RU BJ Services. 1584 psi on well. Pressured up to 4200 psi, Would not break down. RU WL & dump bail acid. psi on well. Broke down @ 1491 psi @ 0 BPM w/ 2.5 bbls of wtr. No ISIP, 1 min or 4 min due to low pressure. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac CP4 sds w/ 29,445#'s of 20/40 sand in 411 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2444 psi @ ave rate of 26.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISID 1926 psi, 5 min 1751 psi, 10 min 1718 psi, 15 min 1696 psi. Leave pressure on well. 902 BWTR. - Stage #3, CP1 & CP2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 6' perf gun. Set plug @ 5530'. Perforate CP2 sds @ 5470-75', CP1 sds @ 5420- 30' w/ 3-1/8" Slick Guns w/ 4 spf for total of 60 shots. RU BJ Services. 1575 psi on well. Broke down @ 3605 psi @ 4.7 BPM w/ 286 bbls of wtr. ISIP 1998 psi, FG .80. 1 min 1680 psi, 4 min 1640 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac CP1 & CP2 sds w/ 14,516#'s of 20/40 sand in 286 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2359 psi @ ave rate of 26.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISID 2069 psi, 5 min 1845 psi, 10 min 1807 psi, 15 min 1788 psi. Leave pressure on well. 1188 BWTR. - Stage #4, A1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 9' perf gun. Set plug @ 5090'. Perforate A1 sds @ 4980- 89' w/ 3-1/8" Slick Guns w/ 4 spf for total of 36 shots. RU BJ Services. 1750 psi on well. Broke down @ 2262 psi @ 3 BPM w/1.2 bbls of wtr. ISIP 2041 psi, FG .85. No 1 min or 4 min due to low pressures. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac A1 sds w/14,685 #'s of 20/40 sand in 276 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2450 psi @ ave rate of 26.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISID 2077 psi, 5 min 1916 psi, 10 min 1897 psi, 15 min 1892 psi. Leave pressure on well. 1464 BWTR. - Stage #5, B2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 13' perf gun. Set plug @ 4910'. Perforate B2 sds @ 4835- 48' w/ 3-1/8" Slick Guns w/ 4 spf for total of 52 shots. RU BJ Services. 1850 psi on well. Broke down @ 2603 psi @ 4.2 BPM w/ 1.1 bbls of wtr. No ISIP, 1 min or 4 min due to low pressure. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac B2 sds w/45,057#'s of 20/40 sand in 441 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2188 psi @ ave rate of 26.6 BPM. ISID 2125 psi, 5 min 1997 psi, 10 min 1930 psi, 15 min 1889 psi. Leave pressure on well. 1905 BWTR. - (5-26-09) Stage #1, CP5 sands. RU BJ Services. 74 psi on well. Broke down @ 3254 psi @ 2 BPM w/ 2.3 bbls of wtr. ISIP 1362 psi, FG .71. 1 min 1022 psi, 4 min 815 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac CP.5 sds

w/ 19,348#'s of 20/40 sand in 322 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2593 psi @ ave rate of 26.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISID 1975 psi, 5 min 1819 psi, 10 min 1749 psi, 15 min 1717 psi. Leave pressure on well. 491 BWTR. - Stage #6, C sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 11' perf gun. Set plug @ 4780'. Perforate C sds @ 4709-20' w/ 3-1/8" Slick Guns w/ 4 spf for total of 44 shots. RU BJ Services. 1840 psi on well. Broke down @ 2896 psi @ 3.2 BPM w/ 1.2 bbls of wtr. No ISIP, 1 min or 4 min due to low pressures. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Spearhead 504 gals of 15% HCL (Did not get acid in flush on previous stage). Frac C sds w/ 59,934#'s of 20/40 sand in 541 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2536 psi @ ave rate of 26.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #7. ISID 2134 psi, 5 min 1792 psi, 10 min 1726 psi, 15 min 1701 psi. RU WL & RIH. Tagged sand @ 4607'. Could not get deep enough to set plug or perforate. RD WL. Begin immediate flowback on 20/64 choke. Flowed for 5 hrs. Rec 837 BTF. 1609 BWTR.

Daily Cost: \$0

Cumulative Cost: \$25,360

5/27/2009 Day: 3

Completion

NC #1 on 5/27/2009 - (5-27-09) Perforate & frac last stage (#7). Flowback well. MIRU NC#1. Set kill plug @ 4550'. Change out BOP & WH. Talley, PU & RIH w/ tbg & bit. - (5-27-09) Stage #7, D2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6' & 7' perf gun. Set plug @ 4660'. Perforate D2 sds @ 4604- 10', 4575- 82' w/ 3-1/8" Slick Guns w/ 4 spf for total of 52 shots. RU BJ Services. 817 psi on well. Broke down @ 3821 psi @ 3.9 BPM w/ 3.4 bbls of wtr. ISIP 1695 psi, 1 min 933 psi, 4 min 839 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac D2 sds w/ 84,858#'s of 20/40 sand in 657 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2643 psi @ ave rate of 28.3 BPM. ISID 2255 psi, 5 min 2179 psi, 10 min 2130 psi, 15 min 2078 psi. Begin immediate flowback on 20/64 choke. Flowed for 4 hrs. Rec 626 BTF. Turned to oil & gas.. - MIRU NC#1. RU Perforators WLT & Lubricator. RIH w/ Weatherford 5 1/2" Solid composite kill plug. Set plug @ 4550'. RD WL. Bleed pressure off well. ND Cameron BOP, 5M WH. NU 3M WH & Schaffer BOP. Unload tbg. Talley, PU & RIH w/ 4 3/4" bit, bit sub & 40 jts of tbg. SIWFN w/ EOT @ 1238'. 1640 BWTR.

Daily Cost: \$0

Cumulative Cost: \$179,829

5/28/2009 Day: 4

Completion

NC #1 on 5/28/2009 - 5-28-09 Drlg plugs. - Open well w/ 0 psi on casing. Pickup & tally 108 jts to tag kill plug @ 4550'. RU pump, swivel & tanks. Drlg out plug in 20 min. TIH w/ tbg to tag plug @ 4660'. Drlg out plug in 55 min. TIH w/ tbg to tag plug @ 4780'. Drlg out plug in 38 min. TIH w/ tbg to tag plug @ 4910'. Drlg out plug in 47 min. TIH w/ tbg to tag plug @ 5090'. Drlg out plug in 38 min. TIH w/ tbg to tag plug @ 5530'. Drlg out plug in 1 hr. TIH w/ tbg to tag plug @ 5635'. Drlg out plug in 45 min. TIH w/ tbg to PBD @ 5834'. Circulate well clean. RD swivel. LD 4 jts tbg. EOT @ 5729'. 1290 bbls EWTR (Gained 350 bbls in drlg). SIFN.

Daily Cost: \$0

Cumulative Cost: \$186,987

5/29/2009 Day: 5

Completion

NC #1 on 5/29/2009 - 5-29-09 Pump brine. - Open well w/ 480 CP, 450 on tbg psi. Well flowing to central btry. Pump 20 bbls wtr down tbg. TIH w/ 4 jts tbg to leave EOT @ PBD @ 5834'. Pump 146 bbls of 10# brine down tbg. Well still flowing. TOOH w/ 4 jts tbg. Circulate

146 bbls brine. Well still flowing. TOOH w/ 37 jts tbg. Pump 146 bbls of brine water. Still flowing. TIH w/ tbg & leave @ 5702' EOT. RU well to flow over weekend up flow line. Well had 500 on casing, 220 psi on tbg & flowing to Cntlr btry on 12 choke by Saturday.

Daily Cost: \$0

Cumulative Cost: \$198,247

6/1/2009 Day: 6

Completion

NC #1 on 6/1/2009 - 6-1-09 Rig down & move off. - Well flowing to central battery w/ 645 psi on casing & 200 psi on tbg w/ 20 choke. RDMOSU.

Daily Cost: \$0

Cumulative Cost: \$200,925

6/17/2009 Day: 7

Completion

NC #2 on 6/17/2009 - Kill well, TIH to PBTD, & round trip tbg for production. - MIRUSU NC #2. Hot oiler had circulated 340 bbls 9.3# brine wtr around wellbore @ 180°. RU workfloor. X-over to tbg equipment. RD flowline. TIH w/ 5 jts tbg to tag fill. Tag @ 5820'. 14' of new fill. LD 5 jts tbg. Well started to flow water. Shut well in. Will attempt to kill w/ 10# brine in AM. SDFN

Daily Cost: \$0

Cumulative Cost: \$208,154

6/18/2009 Day: 8

Completion

NC #2 on 6/18/2009 - Kill well. Round trip tbg for production. Run rods. PWOP - Hot oiler had circulated well bore w/ 340 bbls brine @ 180°. Open well. TOOH w/ tbg as follows 185 jts 2 7/8" j-55 tbg, bit sub, & bit. Get out w/ tbg LD bit & bit sub. TIH w/ tbg as follows NC, 1 jt, PSN, 1 jt, TAC, & 183 jts 2 7/8" 6.5# 8 rd j-55 tbg. Get in hole w/ tbg. RD workfloor. ND BOP. Set TAC. MU wellhead bonnet. Land tbg on wellhead flange w/ 18000# tension. X-over to rod equipment. Pick up & prime new CDI 2 1/2" X 1 3/4" X 24' RHAC pump. TIH w/ rods as follows. Pump, 4-1 1/2" wt bars, 221 7/8" guided rods (4 per foot), 7/8" X 2' pony sub, & 1 1/2" X 30' polished rod. Get in hole w/ rods. Space out & seat pump. Fill & test tbg to 800 psi w/ unit. RDMOSU NC #2. PWOP @ 7:30 PM W/ 144" SL @ 5 SPM FINAL REPORT! **Finalized**

Daily Cost: \$0

Cumulative Cost: \$291,847

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
ML-45431

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

6. If Indian, Allottee or Tribe Name
NA

7. Unit or CA Agreement Name and No.
BELUGA

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.
BELUGA G-16-9-17

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

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

9. AFI Well No.
43-013-34122

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

At surface 645' FNL & 1970' FWL (NE/NW) SEC. 16, T9S, R17E

At top prod. interval reported below BHL: 1230' FNL & 1330' FWL (NE/NW)

At total depth 5885' 1326 FNL 1216 FWL SWNW S-16 T9S R17E

10. Field and Pool or Exploratory
MONUMENT BUTTE

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

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
04/17/2009

15. Date T.D. Reached
05/09/2009

16. Date Completed 06/01/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5289' GL 5201' KB

18. Total Depth: MD 5885'
TVD 5785' 5784'

19. Plug Back T.D.: MD 5833'
TVD 5733'

20. Depth Bridge Plug Set: MD
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		313'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5874'		240 PRIMLITE		40'	
						400 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@ 5709'	TA @ 5645'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP.5) 5678-5686'	.49"	4	32
B) GREEN RIVER			(CP4) 5585-5591'	.49"	4	24
C) GREEN RIVER			(CP2) & (CP1) see below	.49"	4	60
D) GREEN RIVER			(A1) 4980-4989'	.49"	4	36

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

Depth Interval	Amount and Type of Material
5678-5686'	Frac CP.5 sds w/ 19,348#'s of 20/40 sand in 322 bbls of Lightning 17 fluid.
5585-5591'	Frac CP4 sds w/ 29,445#'s of 20/40 sand in 411 bbls of Lightning 17 fluid.
5585-5591'	Frac CP1 & CP2 sds w/ 14,516#'s of 20/40 sand in 286 bbls of Lightning 17 fluid.
4980-4989'	Frac A1 sds w/14,685 #'s of 20/40 sand in 276 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/01/09	06/13/09	24	→	7	0	3			CDI 2 1/2" X 1 3/4" X 24' RHAC pump.
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

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JUL 14 2009

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	
			→						

DIV. OF OIL, GAS & MINING

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3533' 3731'
				GARDEN GULCH 2 POINT 3	3840' 4102'
				X MRKR Y MRKR	4351' 4385'
				DOUGALS CREEK MRK BI CARBONATE MRK	4514' 4757'
				B LIMESTON MRK CASTLE PEAK	4879' 5356'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5773' 5881'

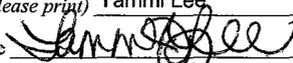
32. Additional remarks (include plugging procedure):

STAGE 3: Perforate CP2 sds @ 5470-75', CP1 sds @ 5420- 30' w/ 3-1/8" Slick Guns w/ 4 spf for total of 60 shots.
 STAGE 5: Perforate B2 sds @ 4835- 48' w/ 3-1/8" Slick Guns w/ 4 spf for total of 52 shots. Frac B2 sds w/45,057#'s of 20/40 sand in 441 bbls of Lightning 17 fluid.
 STAGE 6: Perforate C sds @ 4709- 20' w/ 3-1/8" Slick Guns w/ 4 spf for total of 44 shots. Frac C sds w/59,934#'s of 20/40 sand in 541 bbls of Lightning 17 fluid.
 STAGE 7: Perforate D2 sds @ 4604- 10', 4575- 82' w/ 3-1/8" Slick Guns w/ 4 spf for total of 52 shots. Frac D2 sds w/ 84,858#'s of 20/40 sand in 657 bbls of Lightning 17 fluid.

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

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

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

Name (please print) Tammi Lee Title Production Clerk
 Signature  Date 07/09/2009

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

H HEADER INFORMATION -----
 H COMPANY : NEWFIELD EXPLORATION
 H FIELD : USGS Myton SW (UT)
 H SITE : SECTION 16 T9S, R17E
 H WELL : G-16-9-17
 H WELLPATH: Wellbore #1
 H DEPTHUNT: ft
 H SURVDATE: 5/11/2009
 H DECLINATION CORR.
 H = 10.69 TO GRIDH-----

H WELL INFORMATION
 H WELL EW MAP : 2056470
 H WELL NS MAP : 7185440
 H DATUM ELEVN : 5301
 H VSECT ANGLE : 227.62
 H VSECT NORTH : 0
 H VSECT EAST : 0

H-----
 H SURVEY TYPE INFORMATION
 H 416 - 5885 SURVEY #1 : MWD
 H-----

H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	0
	416	0.48	213.24	416	-1.46	-0.96	1.69	0.12
	447	0.62	207.59	446.99	-1.71	-1.1	1.97	0.48
	478	0.7	210.58	477.99	-2.03	-1.28	2.31	0.28
	508	1.22	228.95	507.99	-2.39	-1.61	2.8	1.99
	539	1.67	230.27	538.98	-2.9	-2.21	3.59	1.46
	569	2.04	226.55	568.96	-3.55	-2.93	4.56	1.3
	601	2.59	224.64	600.94	-4.45	-3.85	5.85	1.74
	632	3.21	229.67	631.9	-5.51	-5.01	7.41	2.16
	662	3.56	232.4	661.84	-6.62	-6.39	9.18	1.28
	693	3.82	231.52	692.78	-7.85	-7.96	11.17	0.86
	724	4.15	236.38	723.7	-9.12	-9.7	13.31	1.52
	754	4.35	237.41	753.62	-10.33	-11.56	15.5	0.71
	785	4.72	235.08	784.52	-11.69	-13.6	17.93	1.33
	816	5.14	233.39	815.41	-13.25	-15.76	20.57	1.43
	846	5.67	233.06	845.28	-14.95	-18.02	23.39	1.77
	877	5.98	235.76	876.12	-16.77	-20.58	26.51	1.33
	908	6.33	234.95	906.94	-18.66	-23.31	29.8	1.16
	940	6.9	235.85	938.72	-20.76	-26.35	33.45	1.81
	971	7.29	233.89	969.49	-22.96	-29.48	37.25	1.48
	1003	7.71	229.5	1001.21	-25.55	-32.75	41.42	2.22
	1035	7.8	226.64	1032.92	-28.44	-35.96	45.73	1.24
	1067	8.24	224.38	1064.61	-31.57	-39.15	50.19	1.69
	1098	8.44	225.63	1095.28	-34.74	-42.33	54.69	0.87

1130	8.85	224.99	1126.92	-38.13	-45.74	59.49	1.32
1161	8.97	224.77	1157.54	-41.53	-49.13	64.29	0.4
1193	9.34	224.34	1189.13	-45.16	-52.7	69.37	1.18
1225	9.47	225.61	1220.7	-48.86	-56.4	74.59	0.77
1256	9.87	226.44	1251.26	-52.47	-60.15	79.8	1.37
1288	10.4	226.41	1282.76	-56.35	-64.23	85.43	1.66
1320	10.77	226.75	1314.22	-60.39	-68.5	91.31	1.17
1351	10.61	226.03	1344.68	-64.36	-72.66	97.06	0.67
1383	11.07	226.36	1376.11	-68.52	-77	103.07	1.45
1415	11.07	225.9	1407.52	-72.78	-81.43	109.21	0.28
1510	10.85	224.16	1500.78	-85.54	-94.21	127.25	0.42
1605	11.1	225.13	1594.05	-98.41	-106.92	145.32	0.33
1700	11.21	227.57	1687.25	-111.09	-120.22	163.69	0.51
1795	11.69	225.5	1780.36	-124.07	-133.9	182.54	0.67
1890	11.67	228.75	1873.39	-137.15	-147.99	201.76	0.69
1985	11.03	228.09	1966.54	-149.56	-161.98	220.46	0.69
2080	9.34	229.5	2060.04	-160.63	-174.6	237.25	1.8
2175	10.35	228.93	2153.64	-171.25	-186.9	253.49	1.07
2270	12.68	227.87	2246.72	-183.85	-201.07	272.45	2.46
2365	11.51	226.29	2339.61	-197.39	-215.65	292.35	1.28
2460	12.02	222.69	2432.61	-211.21	-229.21	311.68	0.94
2555	12.85	226.12	2525.38	-225.81	-243.53	332.1	1.17
2650	14.02	232.09	2617.79	-240.2	-260.23	354.13	1.91
2745	13.69	235.41	2710.02	-253.65	-278.56	376.74	0.91
2840	13.95	234.24	2802.27	-266.73	-297.11	399.26	0.4
2935	12.55	230.91	2894.74	-279.93	-314.41	420.94	1.68
3030	13.18	232.66	2987.36	-293.01	-331.03	442.03	0.78
3126	12.92	228.93	3080.88	-306.7	-347.83	463.66	0.92
3221	12.26	228.22	3173.6	-320.39	-363.35	484.37	0.71
3316	12.22	228.75	3266.44	-333.74	-378.44	504.5	0.13
3411	12.04	226.86	3359.32	-347.15	-393.22	524.46	0.46
3506	11.95	225.85	3452.24	-360.77	-407.51	544.2	0.24
3601	11.87	227.43	3545.2	-374.23	-421.76	563.8	0.35
3696	11.56	226.6	3638.22	-387.38	-435.88	583.09	0.37
3791	12.08	228.49	3731.2	-400.51	-450.24	602.55	0.68
3887	12	229.19	3825.09	-413.69	-465.31	622.57	0.17
3981	11.73	227.04	3917.09	-426.59	-479.7	641.89	0.55
4076	11.88	225.87	4010.08	-439.98	-493.79	661.32	0.3
4171	12.02	228.88	4103.02	-453.29	-508.26	680.98	0.67
4266	11.51	226.22	4196.02	-466.36	-522.55	700.35	0.78
4361	11.71	228.55	4289.08	-479.3	-536.62	719.46	0.54
4456	11.98	227.98	4382.06	-492.28	-551.17	738.96	0.31
4552	11.71	224.29	4476.01	-505.92	-565.38	758.65	0.84
4646	12.52	227.87	4567.92	-519.58	-579.59	778.36	1.17
4741	11.32	227.93	4660.87	-532.74	-594.15	797.99	1.26
4837	11.14	225.69	4755.03	-545.53	-607.78	816.68	0.49
4932	10.85	226.14	4848.29	-558.14	-620.8	834.79	0.32

5027	11.36	226.13	4941.51	-570.82	-633.99	853.08	0.54
5122	10.94	222.95	5034.72	-583.9	-646.88	871.42	0.78
5217	9.93	225.81	5128.15	-596.21	-658.89	888.59	1.19
5312	10.02	228.55	5221.71	-607.39	-670.96	905.04	0.51
5407	9.91	226.73	5315.28	-618.46	-683.11	921.48	0.35
5502	12.35	228.62	5408.48	-630.78	-696.69	939.81	2.6
5597	11.58	228.53	5501.42	-643.81	-711.45	959.5	0.81
5692	12.02	230.55	5594.41	-656.41	-726.24	978.92	0.64
5787	11.2	229.32	5687.47	-668.71	-740.87	998.02	0.9
5825	10.52	228.53	5724.79	-673.42	-746.27	1005.17	1.83
5885	10	228	5783.83	-680.53	-754.25	1015.86	0.88



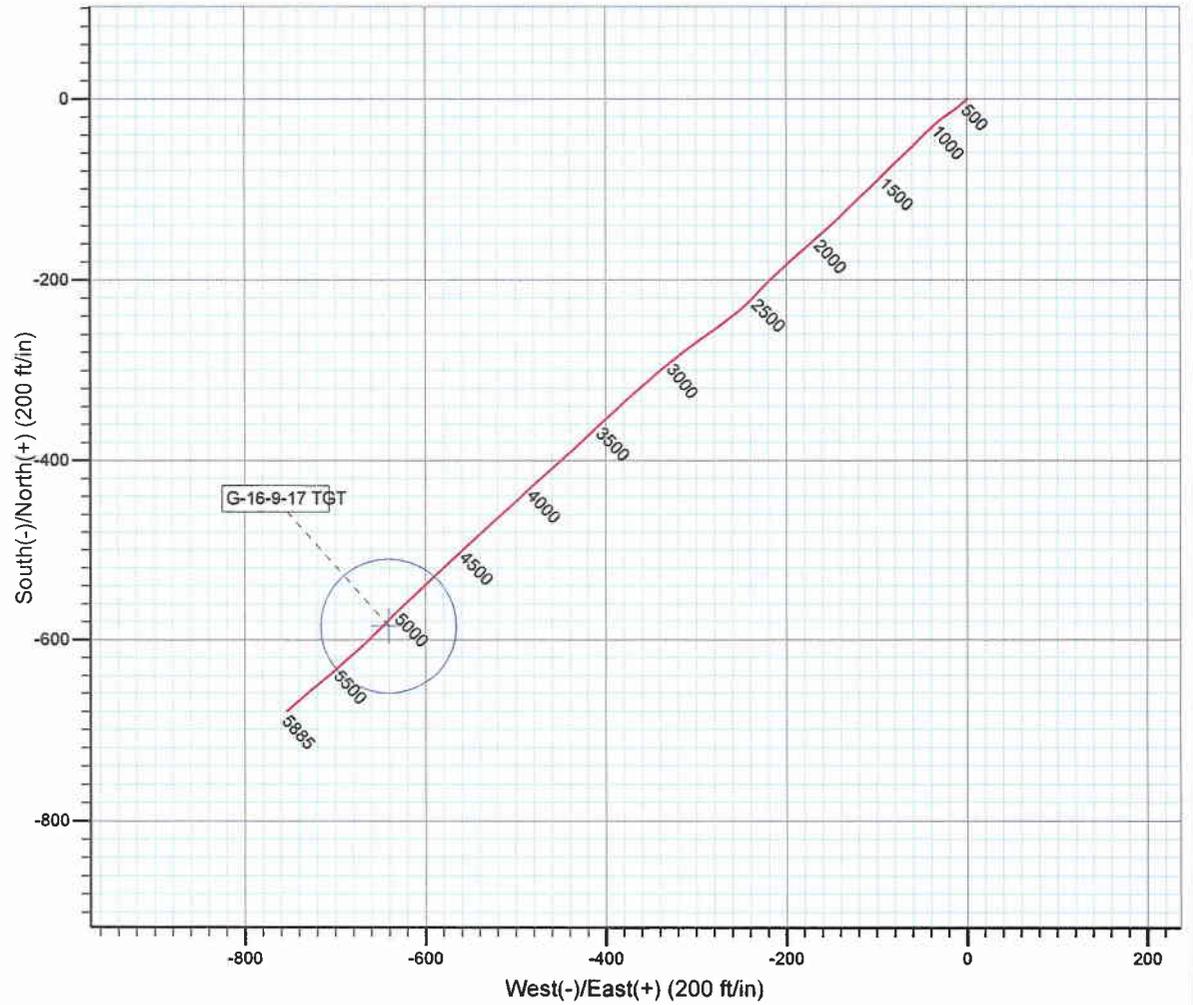
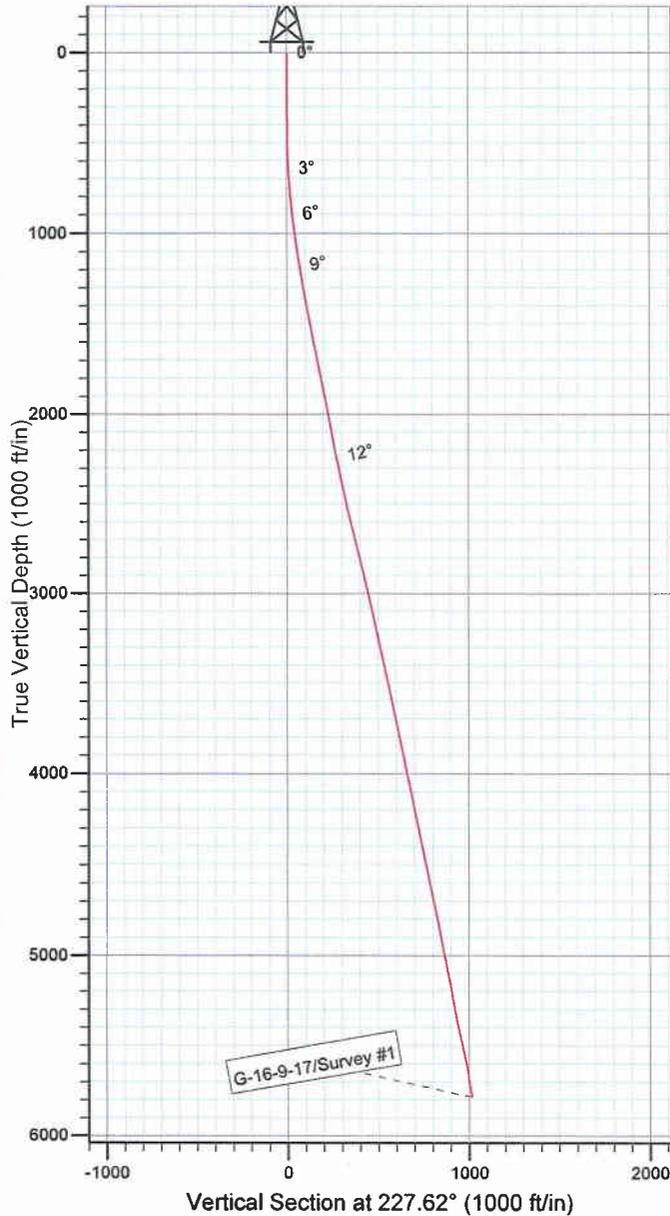
Project: USGS Myton SW (UT)
 Site: SECTION 16 T9S, R17E
 Well: G-16-9-17
 Wellbore: Wellbore #1
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.64°

Magnetic Field
 Strength: 52576.7snT
 Dip Angle: 65.88°
 Date: 2008/08/28
 Model: IGRF200510



Survey: Survey #1 (G-16-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 8:24, May 11 2009

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

NEWFIELD



NEWFIELD EXPLORATION

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

Wellbore #1

Survey: Survey #1

Standard Survey Report

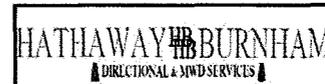
11 May, 2009

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES



HATHAWAY BURNHAM

Survey Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well G-16-9-17
Project:	USGS Myton SW (UT)	TVD Reference:	G-16-9-17 @ 5301.0ft (RIG #2)
Site:	SECTION 16 T9S, R17E	MD Reference:	G-16-9-17 @ 5301.0ft (RIG #2)
Well:	G-16-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

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

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

Well G-16-9-17, SHL LAT: 40 02 11.05, LONG: -110 00 50.26			
Well Position	+N/-S 0.0 ft	Northing: 7,185,439.73 ft	Latitude: 40° 2' 11.050 N
	+E/-W 0.0 ft	Easting: 2,056,469.95 ft	Longitude: 110° 0' 50.260 W
Position Uncertainty	0.0 ft	Wellhead Elevation: ft	Ground Level: 0.0 ft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2008/08/28	11.64	65.88	52,577

Design Wellbore #1					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	227.62	

Survey Program		Date 2009/05/11
From (ft)	To (ft)	Survey (Wellbore)
416.0	5,885.0	Survey #1 (Wellbore #1)
		Tool Name MWD
		Description MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
416.0	0.48	213.24	416.0	-1.5	-1.0	1.7	0.12	0.12	0.00
447.0	0.62	207.59	447.0	-1.7	-1.1	2.0	0.48	0.45	-18.23
478.0	0.70	210.58	478.0	-2.0	-1.3	2.3	0.28	0.26	9.65
508.0	1.22	228.95	508.0	-2.4	-1.6	2.8	1.99	1.73	61.23
539.0	1.67	230.27	539.0	-2.9	-2.2	3.6	1.46	1.45	4.26
569.0	2.04	226.55	569.0	-3.5	-2.9	4.6	1.30	1.23	-12.40
601.0	2.59	224.64	600.9	-4.5	-3.9	5.8	1.74	1.72	-5.97
632.0	3.21	229.67	631.9	-5.5	-5.0	7.4	2.16	2.00	16.23
662.0	3.56	232.40	661.8	-6.6	-6.4	9.2	1.28	1.17	9.10
693.0	3.82	231.52	692.8	-7.9	-8.0	11.2	0.86	0.84	-2.84
724.0	4.15	236.38	723.7	-9.1	-9.7	13.3	1.52	1.06	15.68
754.0	4.35	237.41	753.6	-10.3	-11.6	15.5	0.71	0.67	3.43

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

Local Co-ordinate Reference: Well G-16-9-17
TVD Reference: G-16-9-17 @ 5301.0ft (RIG #2)
MD Reference: G-16-9-17 @ 5301.0ft (RIG #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
785.0	4.72	235.08	784.5	-11.7	-13.6	17.9	1.33	1.19	-7.52
816.0	5.14	233.39	815.4	-13.3	-15.8	20.6	1.43	1.35	-5.45
846.0	5.67	233.06	845.3	-14.9	-18.0	23.4	1.77	1.77	-1.10
877.0	5.98	235.76	876.1	-16.8	-20.6	26.5	1.33	1.00	8.71
908.0	6.33	234.95	906.9	-18.7	-23.3	29.8	1.16	1.13	-2.61
940.0	6.90	235.85	938.7	-20.8	-26.3	33.5	1.81	1.78	2.81
971.0	7.29	233.89	969.5	-23.0	-29.5	37.3	1.48	1.26	-6.32
1,003.0	7.71	229.50	1,001.2	-25.6	-32.8	41.4	2.22	1.31	-13.72
1,035.0	7.80	226.64	1,032.9	-28.4	-36.0	45.7	1.24	0.28	-8.94
1,067.0	8.24	224.38	1,064.6	-31.6	-39.1	50.2	1.69	1.38	-7.06
1,098.0	8.44	225.63	1,095.3	-34.7	-42.3	54.7	0.87	0.65	4.03
1,130.0	8.85	224.99	1,126.9	-38.1	-45.7	59.5	1.32	1.28	-2.00
1,161.0	8.97	224.77	1,157.5	-41.5	-49.1	64.3	0.40	0.39	-0.71
1,193.0	9.34	224.34	1,189.1	-45.2	-52.7	69.4	1.18	1.16	-1.34
1,225.0	9.47	225.61	1,220.7	-48.9	-56.4	74.6	0.77	0.41	3.97
1,256.0	9.87	226.44	1,251.3	-52.5	-60.1	79.8	1.37	1.29	2.68
1,288.0	10.40	226.41	1,282.8	-56.4	-64.2	85.4	1.66	1.66	-0.09
1,320.0	10.77	226.75	1,314.2	-60.4	-68.5	91.3	1.17	1.16	1.06
1,351.0	10.61	226.03	1,344.7	-64.4	-72.7	97.1	0.67	-0.52	-2.32
1,383.0	11.07	226.36	1,376.1	-68.5	-77.0	103.1	1.45	1.44	1.03
1,415.0	11.07	225.90	1,407.5	-72.8	-81.4	109.2	0.28	0.00	-1.44
1,510.0	10.85	224.16	1,500.8	-85.5	-94.2	127.3	0.42	-0.23	-1.83
1,605.0	11.10	225.13	1,594.0	-98.4	-106.9	145.3	0.33	0.26	1.02
1,700.0	11.21	227.57	1,687.3	-111.1	-120.2	163.7	0.51	0.12	2.57
1,795.0	11.69	225.50	1,780.4	-124.1	-133.9	182.5	0.67	0.51	-2.18
1,890.0	11.67	228.75	1,873.4	-137.1	-148.0	201.8	0.69	-0.02	3.42
1,985.0	11.03	228.09	1,966.5	-149.6	-162.0	220.5	0.69	-0.67	-0.69
2,080.0	9.34	229.50	2,060.0	-160.6	-174.6	237.3	1.80	-1.78	1.48
2,175.0	10.35	228.93	2,153.6	-171.2	-186.9	253.5	1.07	1.06	-0.60
2,270.0	12.68	227.87	2,246.7	-183.8	-201.1	272.4	2.46	2.45	-1.12
2,365.0	11.51	226.29	2,339.6	-197.4	-215.7	292.4	1.28	-1.23	-1.66
2,460.0	12.02	222.69	2,432.6	-211.2	-229.2	311.7	0.94	0.54	-3.79
2,555.0	12.85	226.12	2,525.4	-225.8	-243.5	332.1	1.17	0.87	3.61
2,650.0	14.02	232.09	2,617.8	-240.2	-260.2	354.1	1.91	1.23	6.28
2,745.0	13.69	235.41	2,710.0	-253.7	-278.6	376.7	0.91	-0.35	3.49
2,840.0	13.95	234.24	2,802.3	-266.7	-297.1	399.3	0.40	0.27	-1.23
2,935.0	12.55	230.91	2,894.7	-279.9	-314.4	420.9	1.68	-1.47	-3.51
3,030.0	13.18	232.66	2,987.4	-293.0	-331.0	442.0	0.78	0.66	1.84
3,126.0	12.92	228.93	3,080.9	-306.7	-347.8	463.7	0.92	-0.27	-3.89
3,221.0	12.26	228.22	3,173.6	-320.4	-363.4	484.4	0.71	-0.69	-0.75
3,316.0	12.22	228.75	3,266.4	-333.7	-378.4	504.5	0.13	-0.04	0.56
3,411.0	12.04	226.86	3,359.3	-347.1	-393.2	524.5	0.46	-0.19	-1.99
3,506.0	11.95	225.85	3,452.2	-360.8	-407.5	544.2	0.24	-0.09	-1.06
3,601.0	11.87	227.43	3,545.2	-374.2	-421.8	563.8	0.35	-0.08	1.66
3,696.0	11.56	226.60	3,638.2	-387.4	-435.9	583.1	0.37	-0.33	-0.87
3,791.0	12.08	228.49	3,731.2	-400.5	-450.2	602.5	0.68	0.55	1.99
3,887.0	12.00	229.19	3,825.1	-413.7	-465.3	622.6	0.17	-0.08	0.73
3,981.0	11.73	227.04	3,917.1	-426.6	-479.7	641.9	0.55	-0.29	-2.29
4,076.0	11.88	225.87	4,010.1	-440.0	-493.8	661.3	0.30	0.16	-1.23
4,171.0	12.02	228.88	4,103.0	-453.3	-508.3	681.0	0.67	0.15	3.17
4,266.0	11.51	226.22	4,196.0	-466.4	-522.6	700.3	0.78	-0.54	-2.80
4,361.0	11.71	228.55	4,289.1	-479.3	-536.6	719.5	0.54	0.21	2.45
4,456.0	11.98	227.98	4,382.1	-492.3	-551.2	739.0	0.31	0.28	-0.60
4,552.0	11.71	224.29	4,476.0	-505.9	-565.4	758.7	0.84	-0.28	-3.84



HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well G-16-9-17
TVD Reference: G-16-9-17 @ 5301.0ft (RIG #2)
MD Reference: G-16-9-17 @ 5301.0ft (RIG #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,646.0	12.52	227.87	4,567.9	-519.6	-579.6	778.4	1.17	0.86	3.81	
4,741.0	11.32	227.93	4,660.9	-532.7	-594.2	798.0	1.26	-1.26	0.06	
4,837.0	11.14	225.69	4,755.0	-545.5	-607.8	816.7	0.49	-0.19	-2.33	
4,932.0	10.85	226.14	4,848.3	-558.1	-620.8	834.8	0.32	-0.31	0.47	
5,027.0	11.36	226.13	4,941.5	-570.8	-634.0	853.1	0.54	0.54	-0.01	
5,122.0	10.94	222.95	5,034.7	-583.9	-646.9	871.4	0.78	-0.44	-3.35	
5,185.6	10.26	224.80	5,097.2	-592.3	-655.0	883.1	1.19	-1.07	2.91	
G-16-9-17 TGT										
5,217.0	9.93	225.81	5,128.1	-596.2	-658.9	888.6	1.19	-1.05	3.21	
5,312.0	10.02	228.55	5,221.7	-607.4	-671.0	905.0	0.51	0.09	2.88	
5,407.0	9.91	226.73	5,315.3	-618.5	-683.1	921.5	0.35	-0.12	-1.92	
5,502.0	12.35	228.62	5,408.5	-630.8	-696.7	939.8	2.60	2.57	1.99	
5,597.0	11.58	228.53	5,501.4	-643.8	-711.5	959.5	0.81	-0.81	-0.09	
5,692.0	12.02	230.55	5,594.4	-656.4	-726.2	978.9	0.64	0.46	2.13	
5,787.0	11.20	229.32	5,687.5	-668.7	-740.9	998.0	0.90	-0.86	-1.29	
5,825.0	10.52	228.53	5,724.8	-673.4	-746.3	1,005.2	1.83	-1.79	-2.08	
5,885.0	10.00	228.00	5,783.8	-680.5	-754.2	1,015.9	0.88	-0.87	-0.88	

Checked By: _____ Approved By: _____ Date: _____