



July 23, 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 F-16-9-17
Beluga Unit
UTU-75023X
Surface Hole: T9S R17E, Section 16: NWNW
674' FNL 644' FWL
Bottom Hole: T9S R17E, Section 16
1320' FNL 50' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated July 21, 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

RECEIVED
JUL 25 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
ML-454331

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 F-16-9-17

10. FIELD AND POOL OR WILDCAT
Monument Butte

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
**NW/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 MULTIPLE
 ZONE 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 **NW/NW 674' FNL 644' FWL**
 At proposed Producing Zone **1320' FNL 50' FWL**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 14.7 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. 50' f/lse line and 1320' f/unit line	16. NO. OF ACRES IN LEASE 548.53	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 1269' (Down Hole)	19. PROPOSED DEPTH 5865'	20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5310' GL

22. APPROX. DATE WORK WILL START*
4th Quarter 2008

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 +/- 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: 7/21/2008
Mandie Crozier

(This space for State use only)

API Number Assigned: _____ APPROVAL: _____

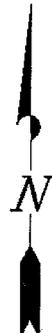
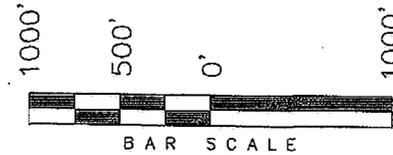
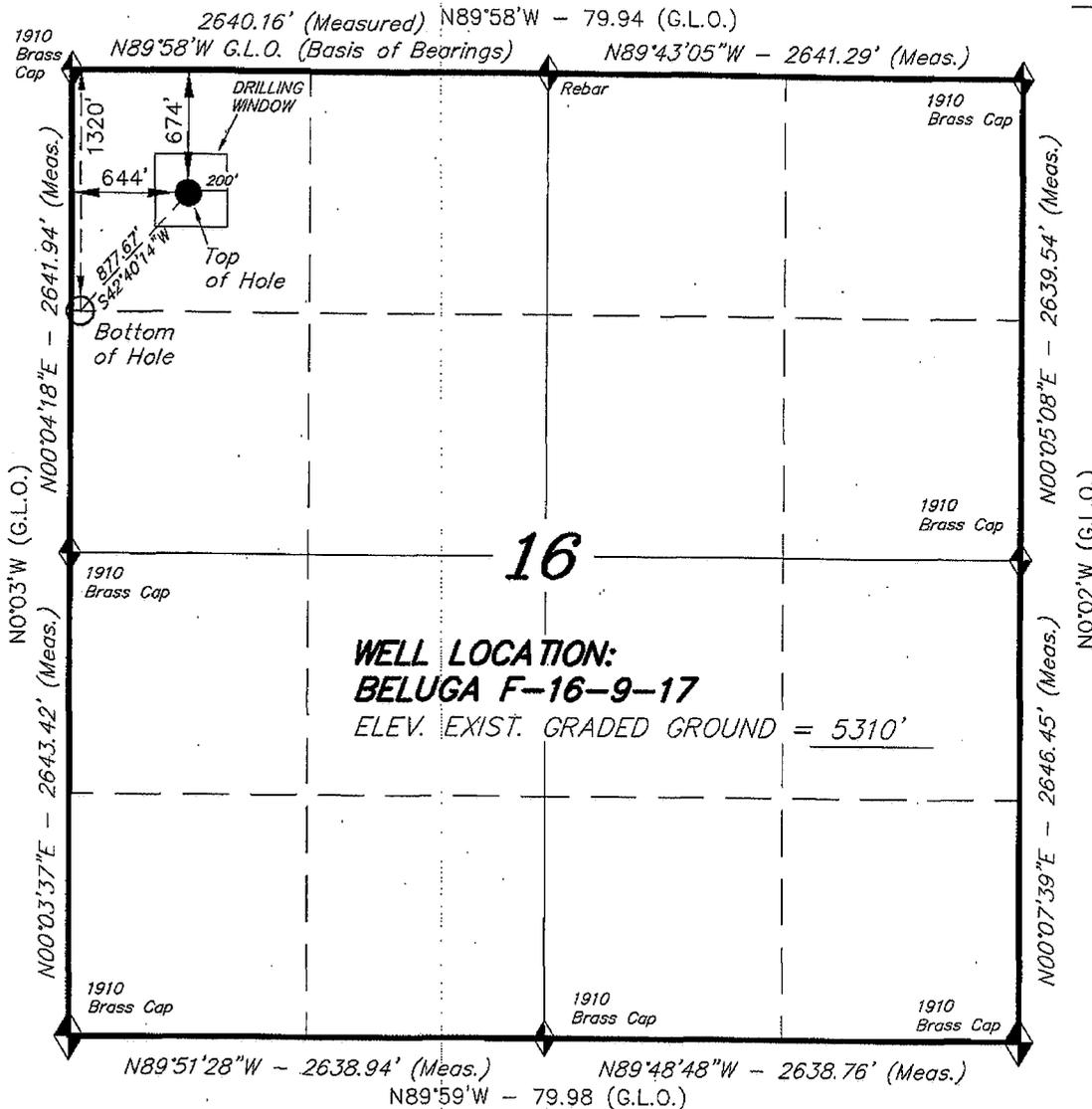
*See Instructions On Reverse Side

RECEIVED
JUL 25 2008
 DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY

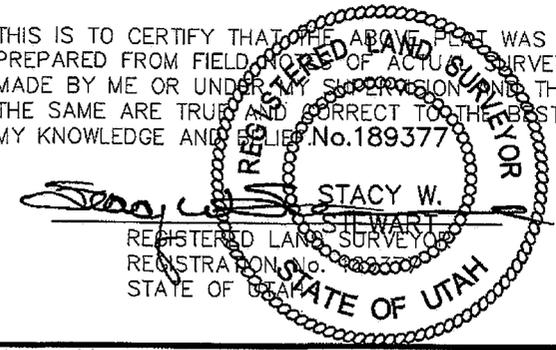
WELL LOCATION, BELUGA F-16-9-17,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 1/4 OF SECTION 16, T9S, R17E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

1. The bottom of hole footages are 1320' FNL & 50' FWL.

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



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

BELUGA F-16-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 10.90"
 LONGITUDE = 110° 01' 07.44"

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

DATE SURVEYED: 06-12-08	SURVEYED BY: T.H.
DATE DRAWN: 06-16-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD



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

July 22, 2008

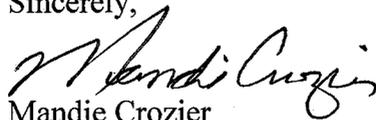
State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill
Beluga State F-16-9-17

Dear Diana:

Enclosed find an APD on the above referenced well. Please Contact Dave Allred to set up an On-Site. Our Land Department will send you the required Directional Drill Letter. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,


Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
JUL 25 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

5. LEASE DESIGNATION AND SERIAL NO. ML-45431-0

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 F-16-9-17

10. FIELD AND POOL OR WILDCAT Monument Butte

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

12. County Duchesne 13. STATE UT

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 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: 7/21/2008

(This space for State use only)

API Number Assigned: 43-013-34045 APPROVAL:

Approved by the
 Utah Division of
 Oil, Gas and Mining

RECEIVED

Date: 7-22-08 JUL 25 2008

By: [Signature] DIV. OF OIL, GAS & MINING

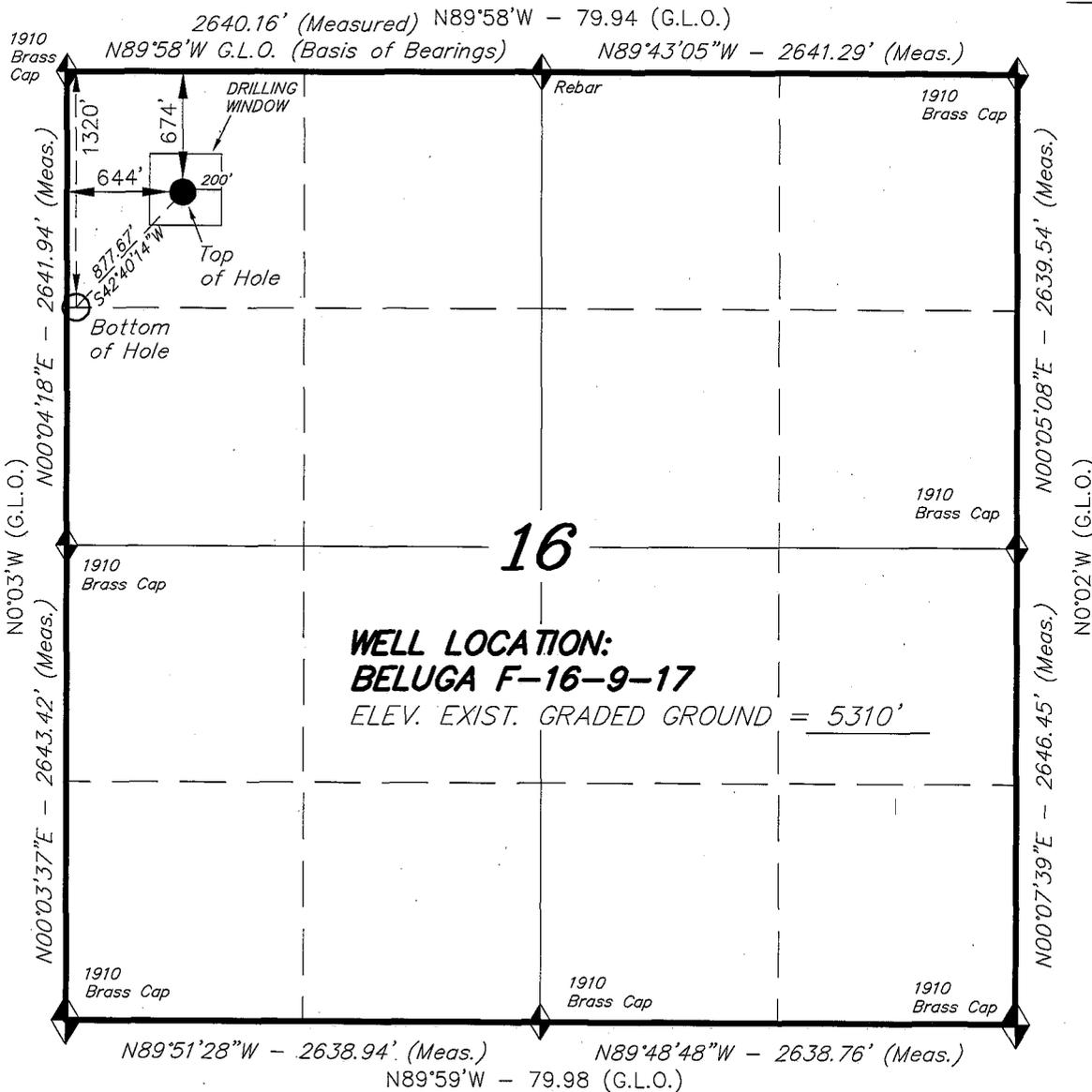
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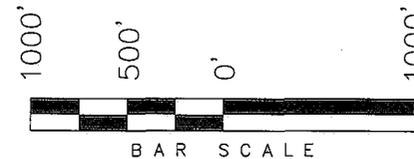
*See Instructions On Reverse Side

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

NEWFIELD PRODUCTION COMPANY



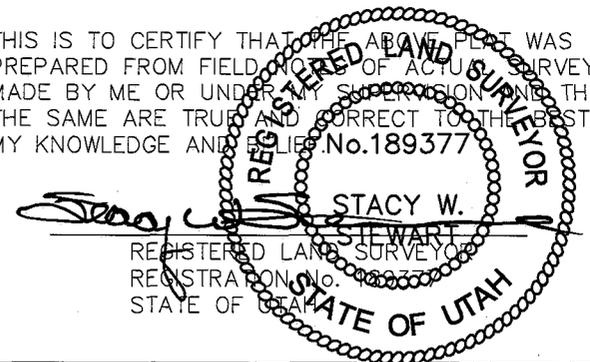
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180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
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DATE SURVEYED: 06-12-08	SURVEYED BY: T.H.
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REVISED:	SCALE: 1" = 1000'

BELUGA F-16-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 10.90"
 LONGITUDE = 110° 01' 07.44"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
 U.S.G.S. 7-1/2 min QUAD. (PARIETTE DRAW SW)

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 12/15/2008 5:00 PM
Subject: One more Newfield approval.

CC: Garrison, LaVonne

The following well has been approved by SITLA including arch clearance. This is a new well going onto an existing pad- requiring no new surface disturbance. Paleo has been waived.

4301334045	BELUGA ST F-16-9-17	Newfield Production Co.	105	Monument Butte	NWNW	16
090S	170E S					

-Jim

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

NEWFIELD PRODUCTION COMPANY
BELUGA STATE F-16-9-17
NW/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 – 1302'
Green River	1302'
Wasatch	5865'

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

Green River Formation 1302' – 5865' – 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:

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 PBTD to cement top. No drill stem testing or coring is planned for this well.

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

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

It is anticipated that the drilling operations will commence the fourth quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
BELUGA STATE F-16-9-17
NW/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 F-16-9-17 located in the NW 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 southeast; proceed southeasterly - 0.2 miles ± to it's junction with the beginning of the access road to the existing 11-16-9-17B injection well location; proceed along the access road - 0.1 miles ± to the proposed F-16-9-17 well.

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 11-16-9-17B 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 11-16-9-17B well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed F-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: 43-10136

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 F-16-9-17 will be drilled off of the existing 11-16-9-17B 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 F-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 F-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

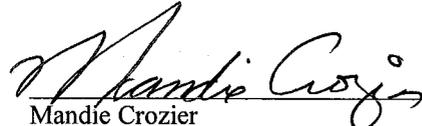
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #F-16-9-17, NW/NW Section 16, T9S, R17E, LEASE #ML-45431, 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.

7/21/08
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

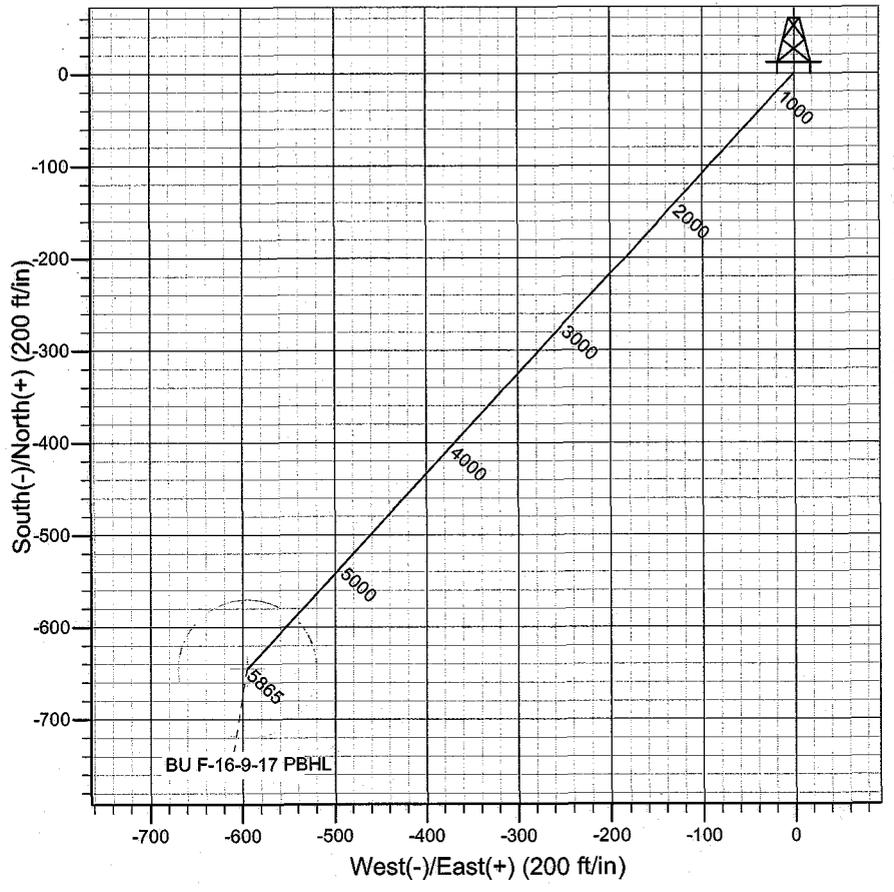
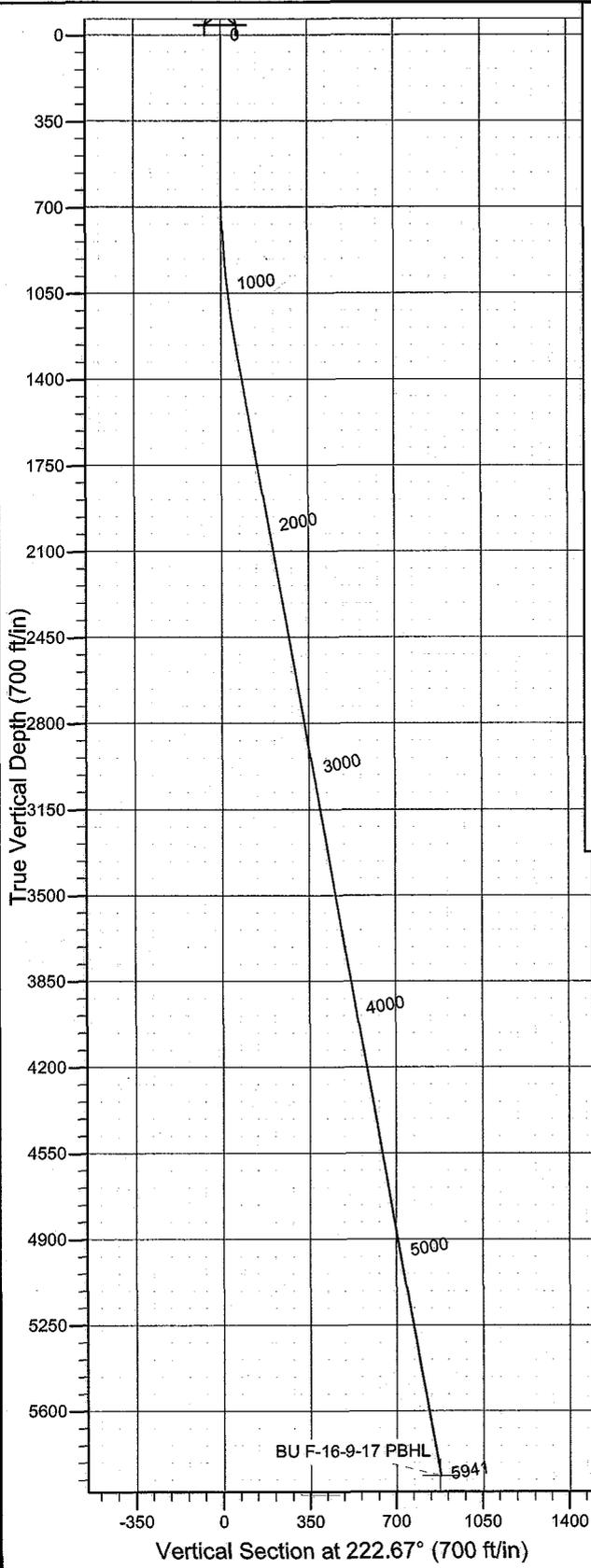


Azimuths to True North
 Magnetic North: 11.65°

Magnetic Field
 Strength: 52586.5snT
 Dip Angle: 65.88°
 Date: 2008/07/18
 Model: IGRF2005-10

WELL DETAILS: Beluga F-16-9-17

GL 5310' & RKB 12' @ 5322.00ft 5310.00
 +N/-S 0.00 +E/-W 0.00 Northing 7185416.77 Easting 2055138.34 Latitude 40° 2' 10.900 N Longitude 110° 1' 7.440 W



Plan: Plan #1 (Beluga F-16-9-17/OH)
 Created By: Julie Cruse Date: 2008-07-18
 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	
1273.30	10.10	222.67	1269.82	-43.52	-40.12	1.50	222.67	59.19	
5940.81	10.10	222.67	5865.00	-645.32	-594.86	0.00	0.00	877.67	BU F-16-9-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Beluga Unit

Beluga F-16-9-17

OH

Plan: Plan #1

Standard Planning Report

18 July, 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 F-16-9-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Beluga F-16-9-17
TVD Reference: GL 5310' & RKB 12' @ 5322.00ft
MD Reference: GL 5310' & RKB 12' @ 5322.00ft
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
From:	Lat/Long	Easting:	2,052,488.32 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 2' 23.870 N
		Longitude:	110° 1' 41.240 W
		Grid Convergence:	0.94 °

Well	Beluga F-16-9-17, 674' FNL 644' FWL Sec 16 T9S R17E		
Well Position	+N/-S	0.00 ft	Northing: 7,185,416.77 ft
	+E/-W	0.00 ft	Easting: 2,055,138.34 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 2' 10.900 N
		Longitude:	110° 1' 7.440 W
		Ground Level:	5,310.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2005-10	2008/07/18	11.65	65.88	52,586

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	222.67

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	
1,273.30	10.10	222.67	1,269.82	-43.52	-40.12	1.50	1.50	0.00	222.67	
5,940.81	10.10	222.67	5,865.00	-645.32	-594.86	0.00	0.00	0.00	0.00	BU F-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 F-16-9-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Beluga F-16-9-17
TVD Reference: GL 5310' & RKB 12' @ 5322.00ft
MD Reference: GL 5310' & RKB 12' @ 5322.00ft
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	222.67	699.99	-0.96	-0.89	1.31	1.50	1.50	0.00
800.00	3.00	222.67	799.91	-3.85	-3.55	5.23	1.50	1.50	0.00
900.00	4.50	222.67	899.69	-8.66	-7.98	11.77	1.50	1.50	0.00
1,000.00	6.00	222.67	999.27	-15.39	-14.18	20.92	1.50	1.50	0.00
1,100.00	7.50	222.67	1,098.57	-24.03	-22.15	32.68	1.50	1.50	0.00
1,200.00	9.00	222.67	1,197.54	-34.58	-31.87	47.03	1.50	1.50	0.00
1,273.30	10.10	222.67	1,269.82	-43.52	-40.12	59.19	1.50	1.50	0.00
1,300.00	10.10	222.67	1,296.11	-46.96	-43.29	63.87	0.00	0.00	0.00
1,400.00	10.10	222.67	1,394.56	-59.85	-55.17	81.41	0.00	0.00	0.00
1,500.00	10.10	222.67	1,493.01	-72.75	-67.06	98.94	0.00	0.00	0.00
1,600.00	10.10	222.67	1,591.46	-85.64	-78.95	116.48	0.00	0.00	0.00
1,700.00	10.10	222.67	1,689.91	-98.54	-90.83	134.01	0.00	0.00	0.00
1,800.00	10.10	222.67	1,788.36	-111.43	-102.72	151.55	0.00	0.00	0.00
1,900.00	10.10	222.67	1,886.81	-124.32	-114.60	169.08	0.00	0.00	0.00
2,000.00	10.10	222.67	1,985.26	-137.22	-126.49	186.62	0.00	0.00	0.00
2,100.00	10.10	222.67	2,083.71	-150.11	-138.37	204.16	0.00	0.00	0.00
2,200.00	10.10	222.67	2,182.16	-163.00	-150.26	221.69	0.00	0.00	0.00
2,300.00	10.10	222.67	2,280.61	-175.90	-162.14	239.23	0.00	0.00	0.00
2,400.00	10.10	222.67	2,379.06	-188.79	-174.03	256.76	0.00	0.00	0.00
2,500.00	10.10	222.67	2,477.51	-201.68	-185.91	274.30	0.00	0.00	0.00
2,600.00	10.10	222.67	2,575.96	-214.58	-197.80	291.83	0.00	0.00	0.00
2,700.00	10.10	222.67	2,674.41	-227.47	-209.68	309.37	0.00	0.00	0.00
2,800.00	10.10	222.67	2,772.86	-240.36	-221.57	326.91	0.00	0.00	0.00
2,900.00	10.10	222.67	2,871.31	-253.26	-233.45	344.44	0.00	0.00	0.00
3,000.00	10.10	222.67	2,969.76	-266.15	-245.34	361.98	0.00	0.00	0.00
3,100.00	10.10	222.67	3,068.21	-279.04	-257.22	379.51	0.00	0.00	0.00
3,200.00	10.10	222.67	3,166.66	-291.94	-269.11	397.05	0.00	0.00	0.00
3,300.00	10.10	222.67	3,265.11	-304.83	-281.00	414.58	0.00	0.00	0.00
3,400.00	10.10	222.67	3,363.57	-317.73	-292.88	432.12	0.00	0.00	0.00
3,500.00	10.10	222.67	3,462.02	-330.62	-304.77	449.66	0.00	0.00	0.00
3,600.00	10.10	222.67	3,560.47	-343.51	-316.65	467.19	0.00	0.00	0.00
3,700.00	10.10	222.67	3,658.92	-356.41	-328.54	484.73	0.00	0.00	0.00
3,800.00	10.10	222.67	3,757.37	-369.30	-340.42	502.26	0.00	0.00	0.00
3,900.00	10.10	222.67	3,855.82	-382.19	-352.31	519.80	0.00	0.00	0.00
4,000.00	10.10	222.67	3,954.27	-395.09	-364.19	537.34	0.00	0.00	0.00
4,100.00	10.10	222.67	4,052.72	-407.98	-376.08	554.87	0.00	0.00	0.00
4,200.00	10.10	222.67	4,151.17	-420.87	-387.96	572.41	0.00	0.00	0.00
4,300.00	10.10	222.67	4,249.62	-433.77	-399.85	589.94	0.00	0.00	0.00
4,400.00	10.10	222.67	4,348.07	-446.66	-411.73	607.48	0.00	0.00	0.00
4,500.00	10.10	222.67	4,446.52	-459.55	-423.62	625.01	0.00	0.00	0.00
4,600.00	10.10	222.67	4,544.97	-472.45	-435.50	642.55	0.00	0.00	0.00
4,700.00	10.10	222.67	4,643.42	-485.34	-447.39	660.09	0.00	0.00	0.00
4,800.00	10.10	222.67	4,741.87	-498.23	-459.27	677.62	0.00	0.00	0.00
4,900.00	10.10	222.67	4,840.32	-511.13	-471.16	695.16	0.00	0.00	0.00
5,000.00	10.10	222.67	4,938.77	-524.02	-483.05	712.69	0.00	0.00	0.00
5,100.00	10.10	222.67	5,037.22	-536.91	-494.93	730.23	0.00	0.00	0.00
5,200.00	10.10	222.67	5,135.67	-549.81	-506.82	747.76	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 F-16-9-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Beluga F-16-9-17
TVD Reference: GL 5310' & RKB 12' @ 5322.00ft
MD Reference: GL 5310' & RKB 12' @ 5322.00ft
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	10.10	222.67	5,234.12	-562.70	-518.70	765.30	0.00	0.00	0.00
5,400.00	10.10	222.67	5,332.57	-575.60	-530.59	782.84	0.00	0.00	0.00
5,500.00	10.10	222.67	5,431.03	-588.49	-542.47	800.37	0.00	0.00	0.00
5,600.00	10.10	222.67	5,529.48	-601.38	-554.36	817.91	0.00	0.00	0.00
5,700.00	10.10	222.67	5,627.93	-614.28	-566.24	835.44	0.00	0.00	0.00
5,800.00	10.10	222.67	5,726.38	-627.17	-578.13	852.98	0.00	0.00	0.00
5,900.00	10.10	222.67	5,824.83	-640.06	-590.01	870.51	0.00	0.00	0.00
5,940.81	10.10	222.67	5,865.00	-645.32	-594.86	877.67	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 F-16-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	5,865.00	-645.32	-594.86	7,184,761.68	2,054,554.24	40° 2' 4.522 N	110° 1' 15.088 W

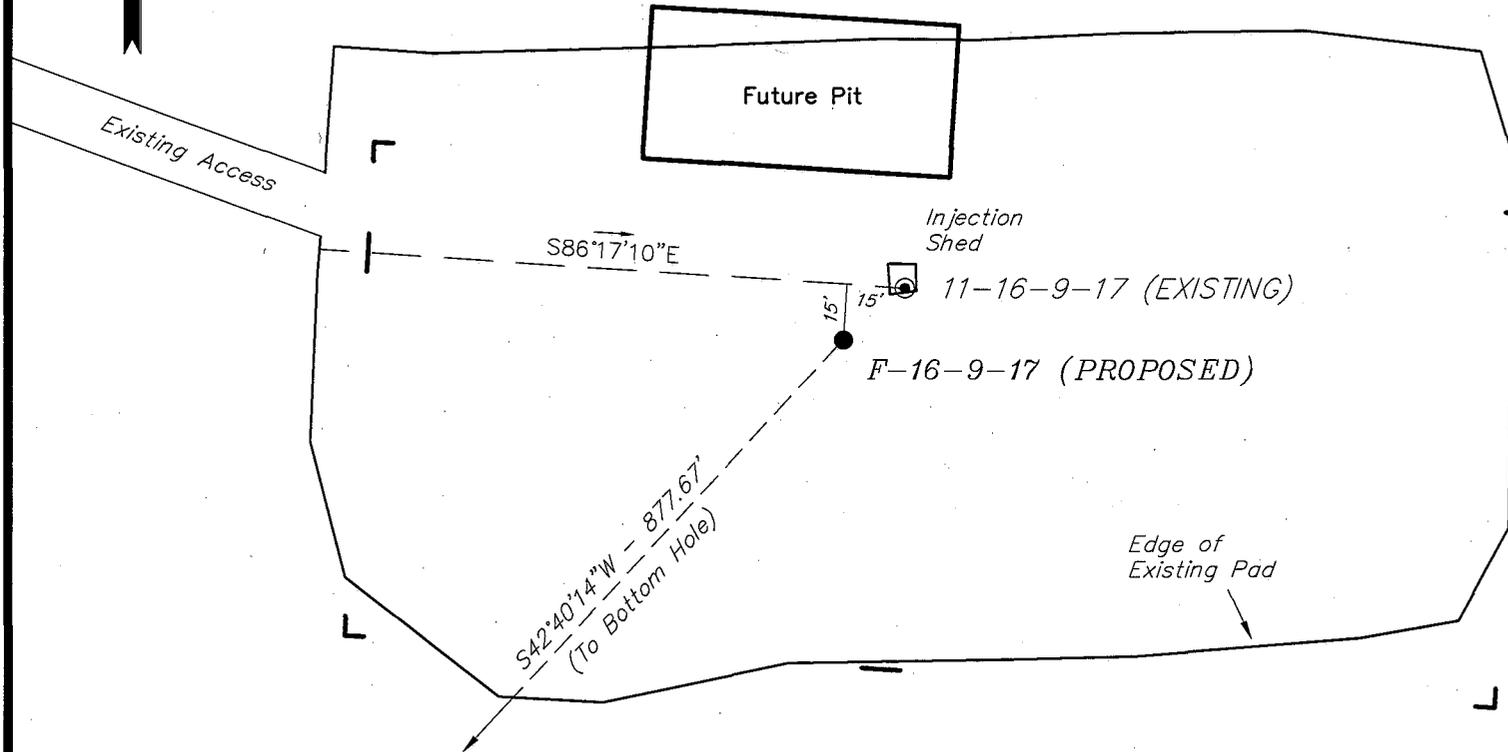
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

BELUGA UNIT F-16-9-17 (Proposed Well)

BELUGA UNIT 11-16-9-17 (Existing Well)

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



TOP HOLE FOOTAGES

F-16-9-17 (PROPOSED)
674' FNL & 644' FWL

BOTTOM HOLE FOOTAGES

F-16-9-17 (PROPOSED)
1320' FNL & 50' FWL

Note:

Bearings are based on GLO Information.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
F-16-9-17	-645'	-595'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
F-16-9-17	40° 02' 10.90"	110° 01' 07.44"
11-16-9-17	40° 02' 11.04"	110° 01' 07.23"

SURVEYED BY: T.H.	DATE SURVEYED: 06-12-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-16-08
SCALE: 1" = 50'	REVISED:

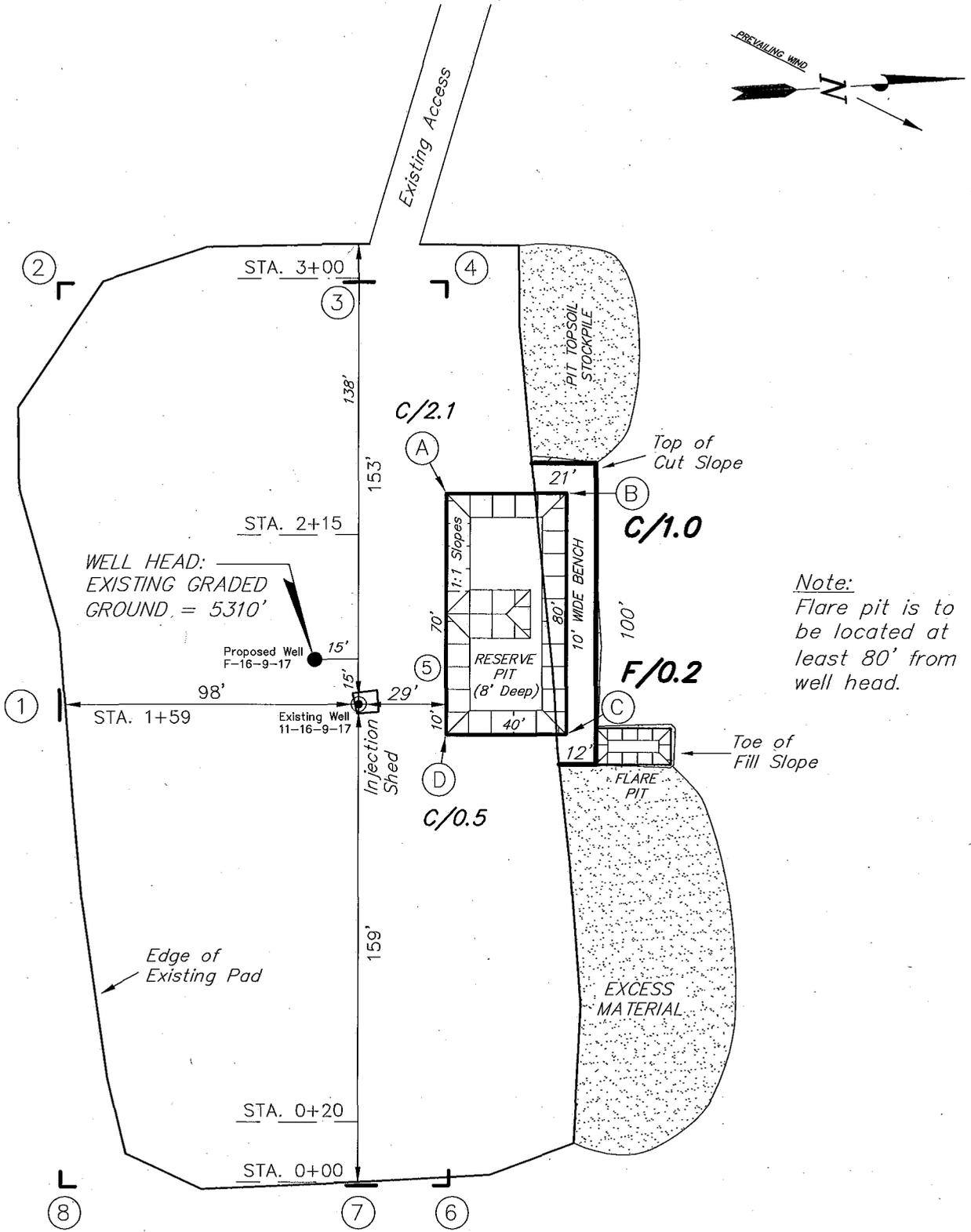
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

BELUGA UNIT F-16-9-17 (Proposed Well)

BELUGA UNIT 11-16-9-17 (Existing Well)

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



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

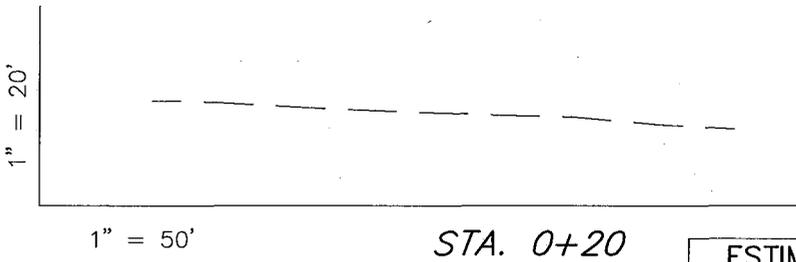
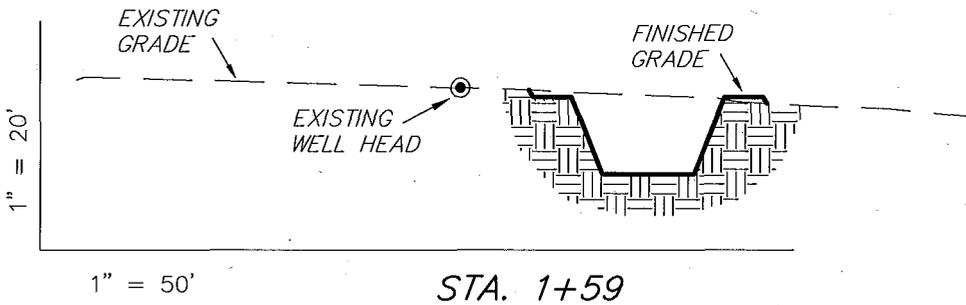
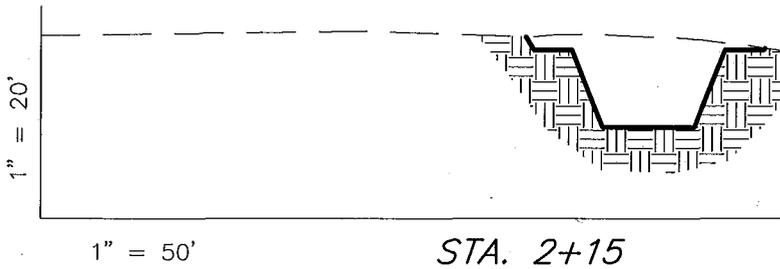
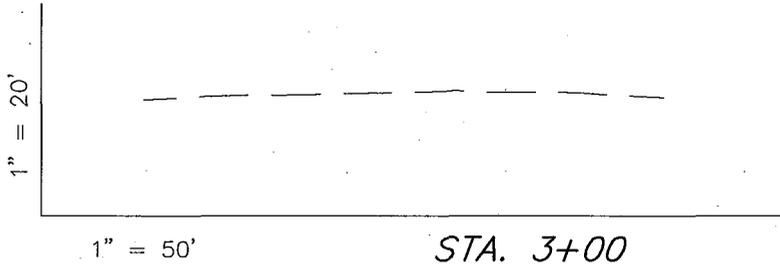
SURVEYED BY: T.H.	DATE SURVEYED: 06-12-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-16-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

BELUGA UNIT F-16-9-17 (Proposed Well)
 BELUGA UNIT 11-16-9-17 (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	170	20	Topsoil is not included in Pad Cut	150
PIT	640	0		640
TOTALS	810	20	130	790

SURVEYED BY: T.H.	DATE SURVEYED: 06-12-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-16-08
SCALE: 1" = 50'	REVISED:

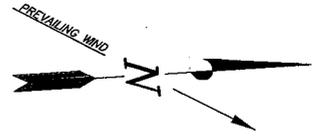
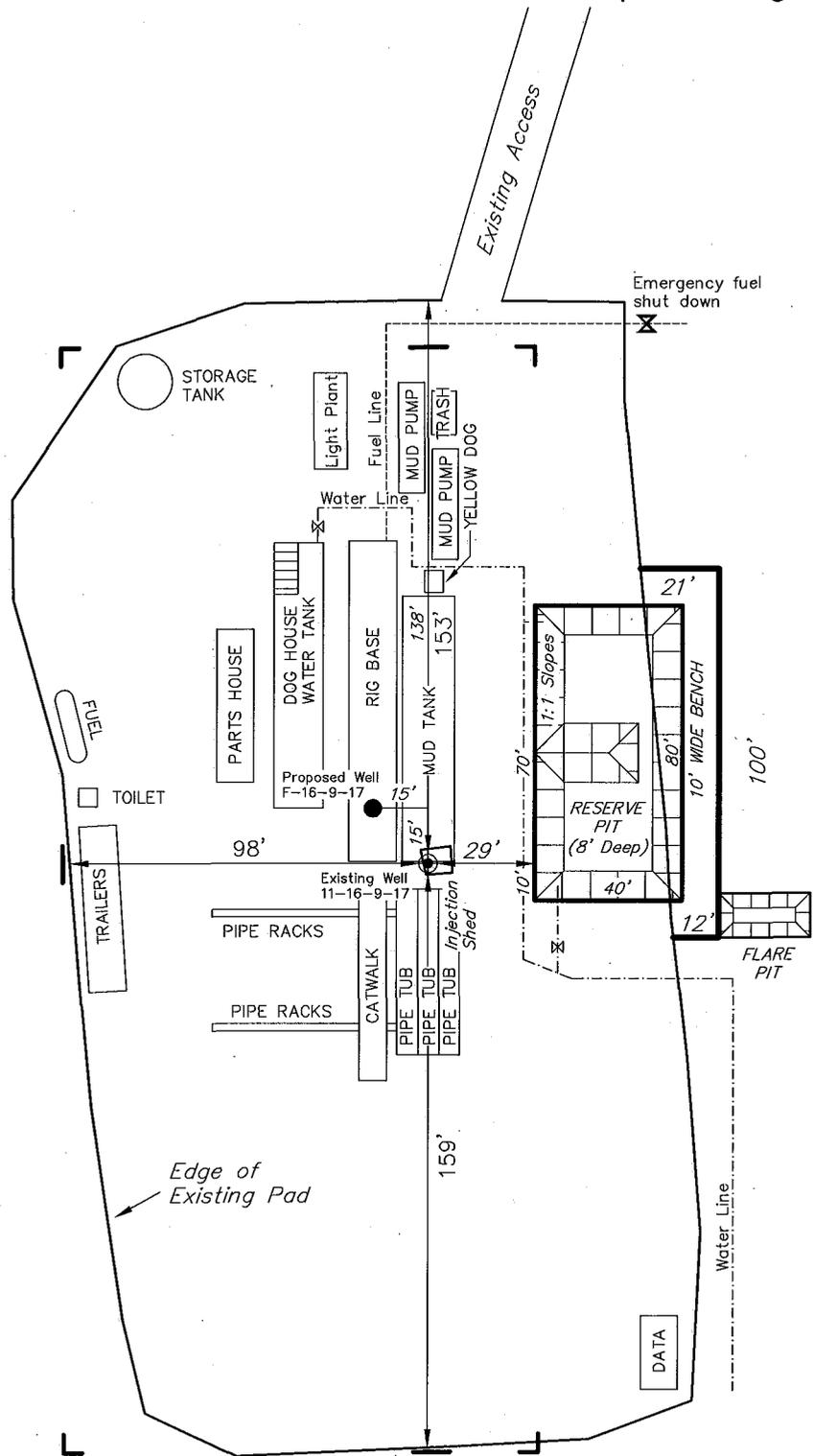
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

BELUGA UNIT F-16-9-17 (Proposed Well)

BELUGA UNIT 11-16-9-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 06-12-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-16-08
SCALE: 1" = 50'	REVISED:

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

Lowfield Production Company Proposed Site Facility Diagram

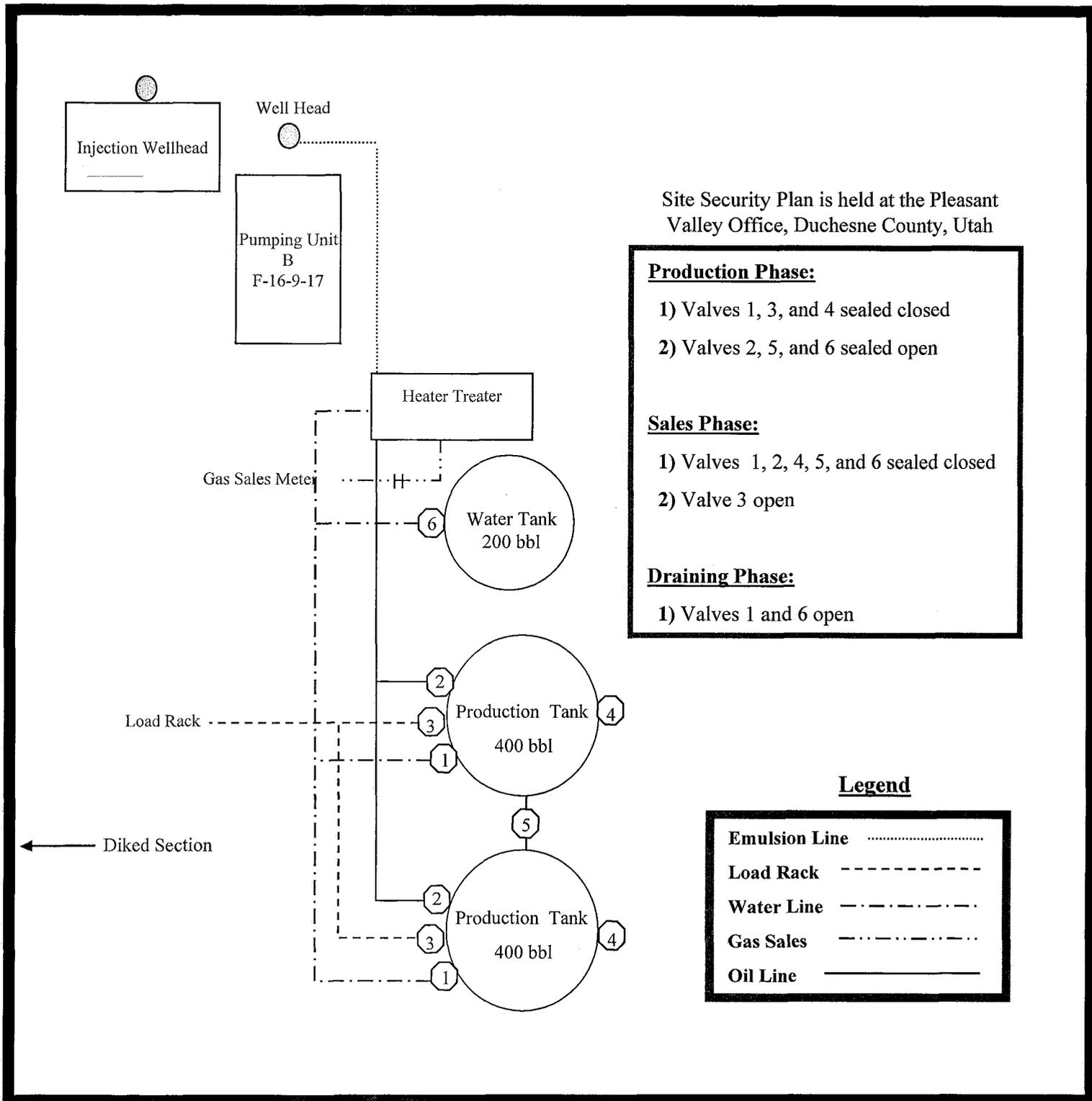
Beluga State F-16-9-17

From the 11-16-9-17B Location

NW/NW Sec. 16 T9S, R17E

Duchesne County, Utah

ML-454531

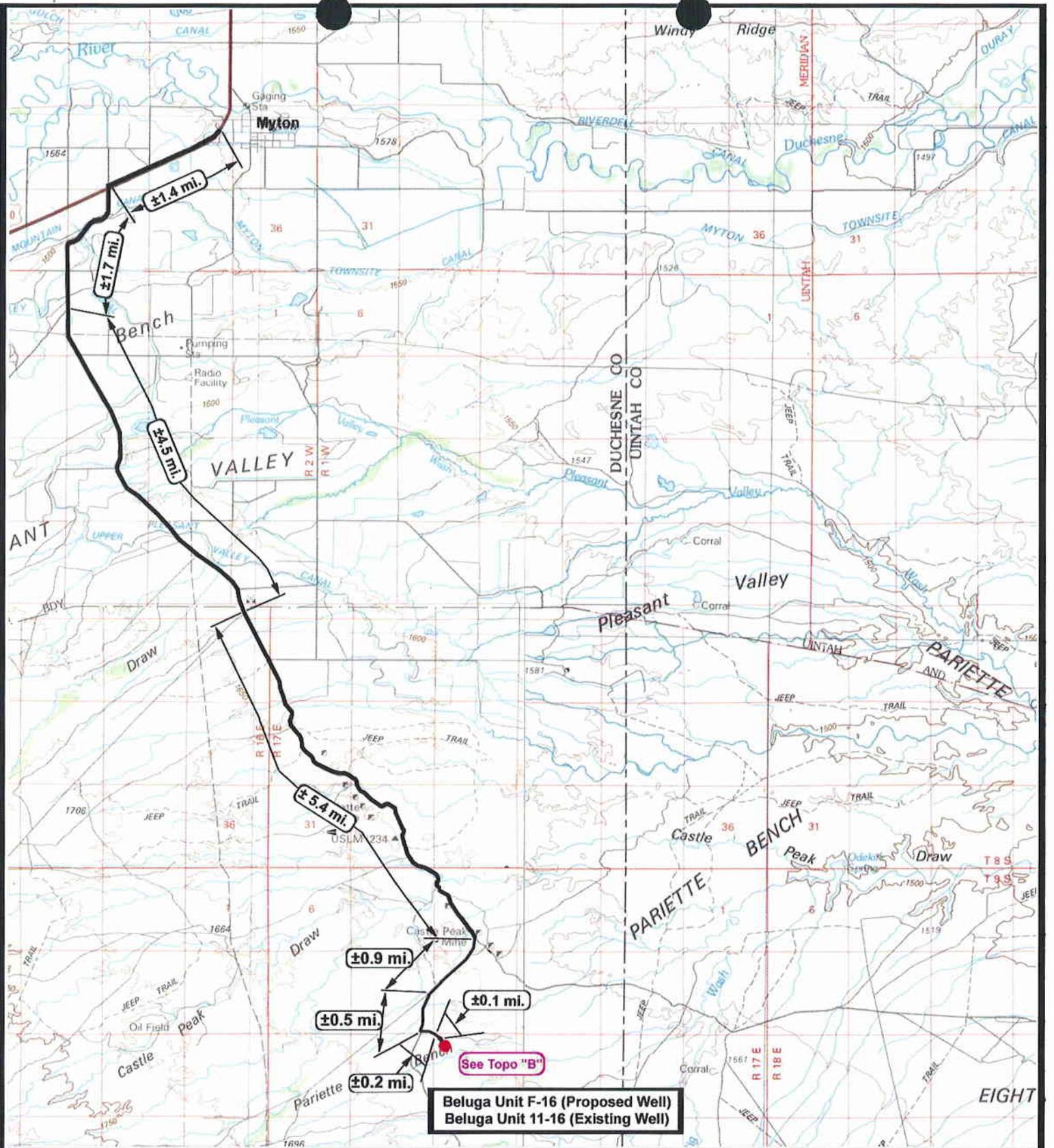


Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

- Production Phase:**
- 1) Valves 1, 3, and 4 sealed closed
 - 2) Valves 2, 5, and 6 sealed open
- Sales Phase:**
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
 - 2) Valve 3 open
- Draining Phase:**
- 1) Valves 1 and 6 open

Legend

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



Beluga Unit F-16 (Proposed Well)
Beluga Unit 11-16 (Existing Well)



NEWFIELD
Exploration Company

Beluga Unit F-16-9-17 (Proposed Well)
Beluga Unit 11-16-9-17 (Existing Well)
 Pad Location: NWNW Sec. 16, T9S, R17E, S.L.B.&M.




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

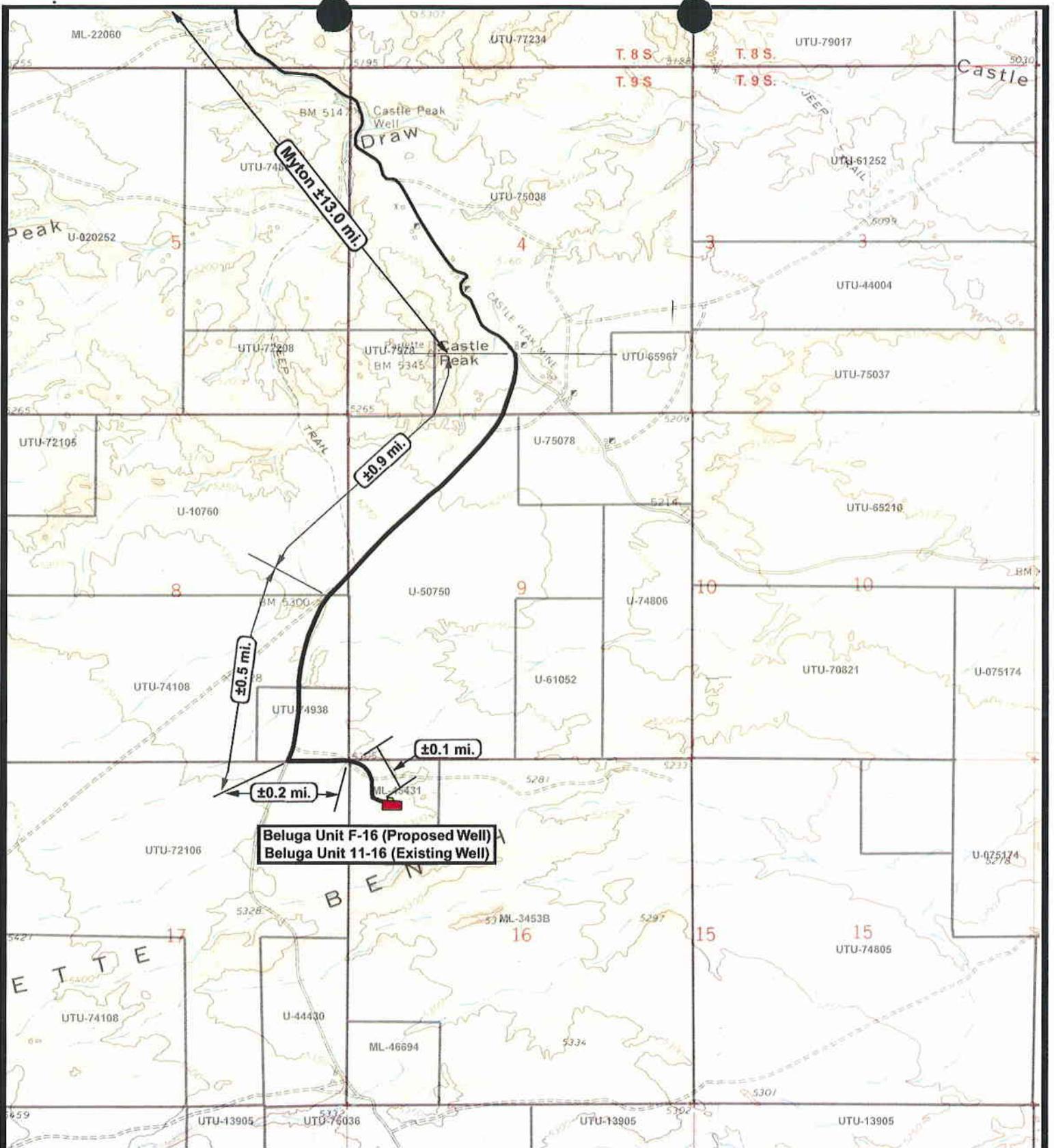
SCALE: 1:100,000
 DRAWN BY: JAS
 DATE: 07-03-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

Beluga Unit F-16-9-17 (Proposed Well)
Beluga Unit 11-16-9-17 (Existing Well)
Pad Location: NWNW Sec. 16, T9S, R17E, S.L.B.&M.



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

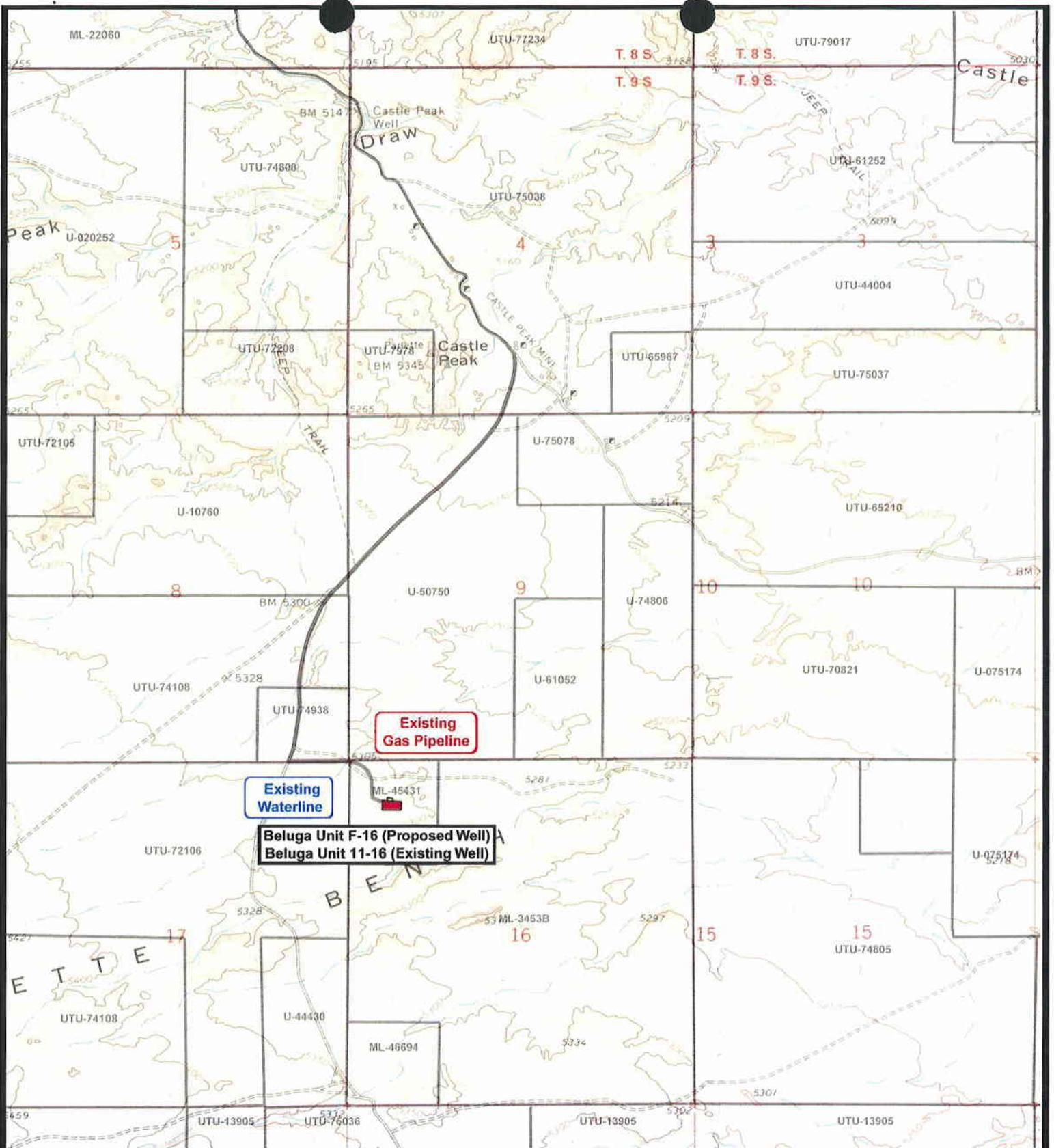
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-02-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

Beluga Unit F-16-9-17 (Proposed Well)
Beluga Unit 11-16-9-17 (Existing Well)
Pad Location: NWNW Sec. 16, T9S, R17E, S.L.B.&M.



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

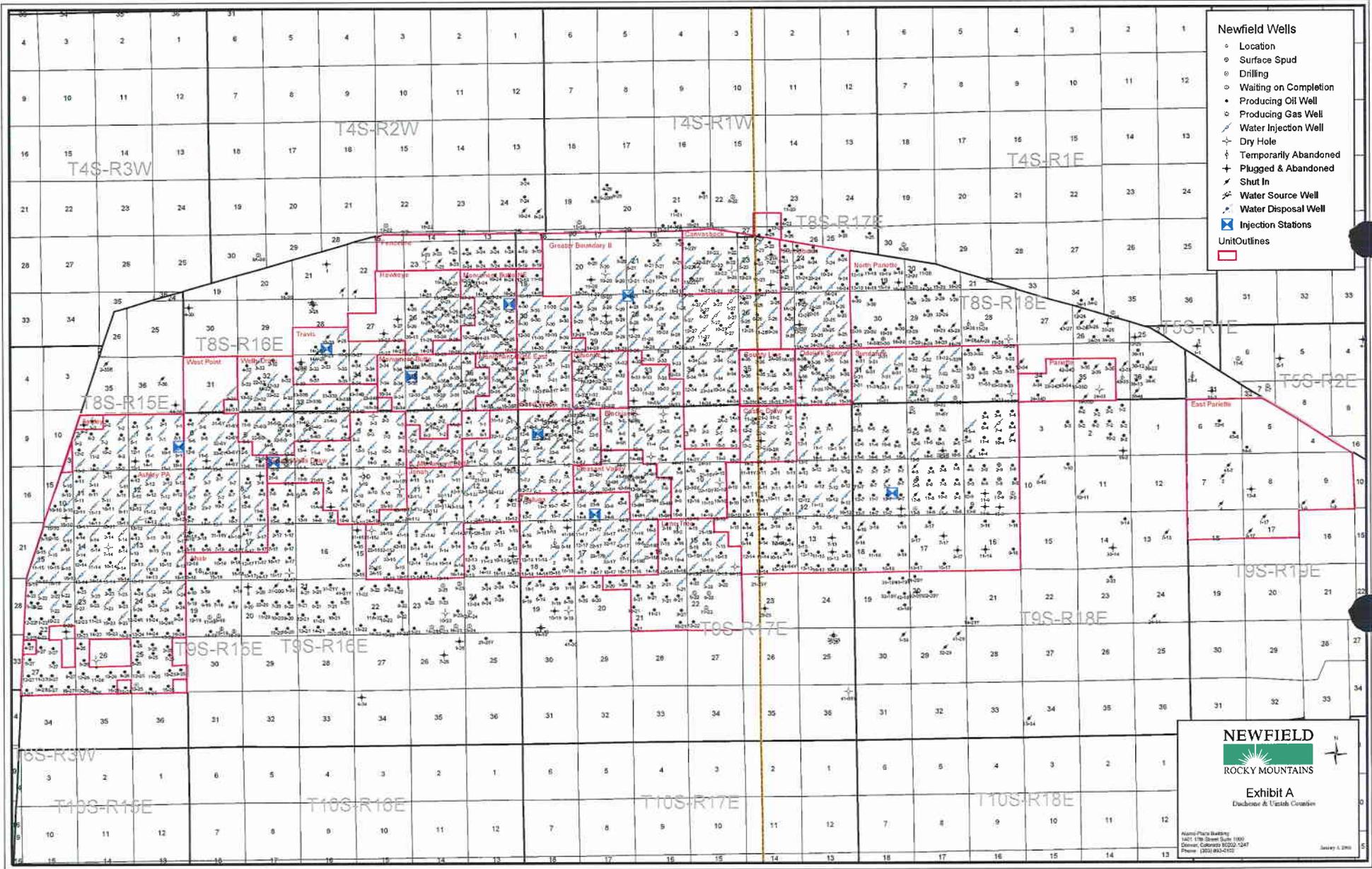
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-03-2008

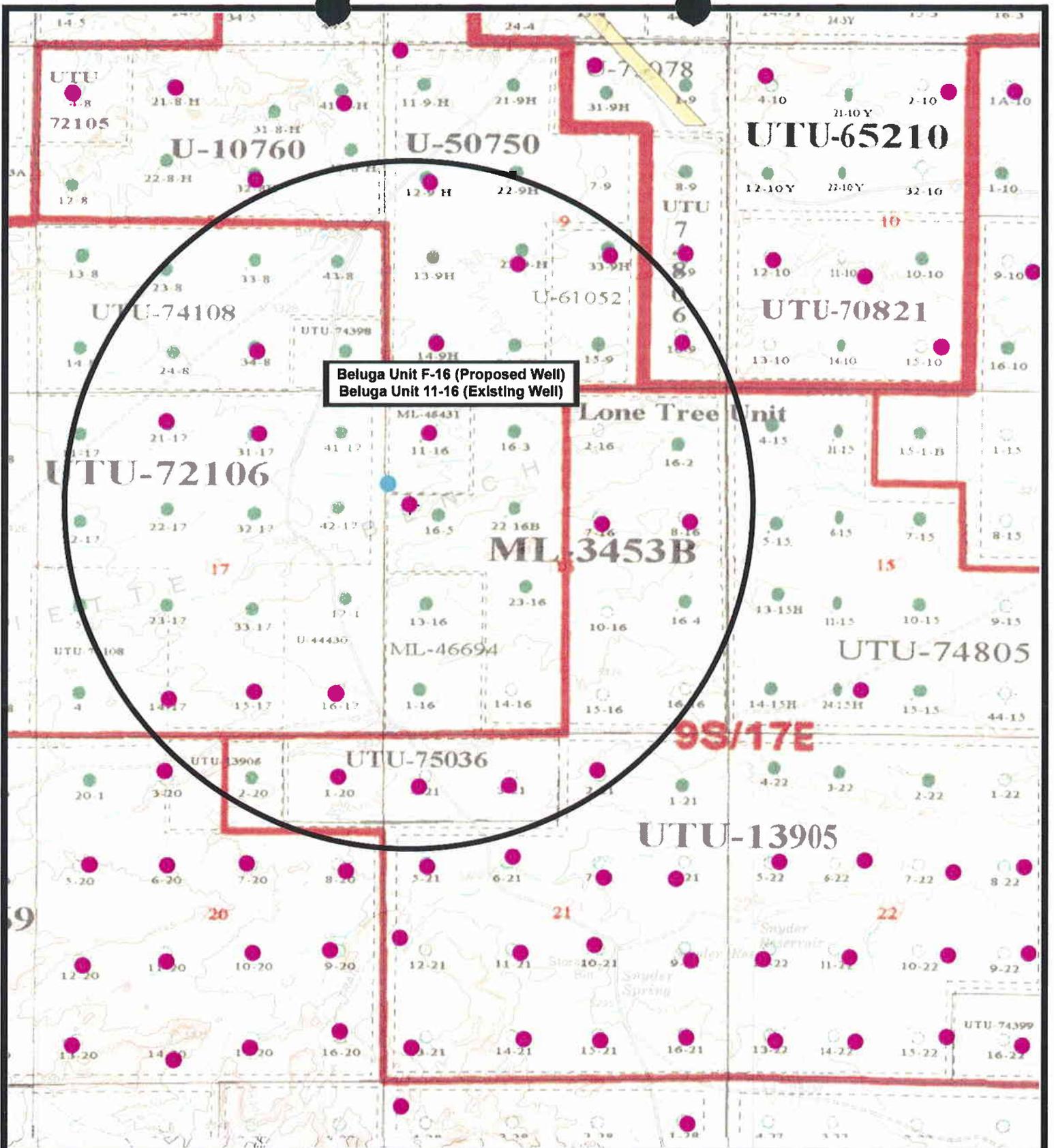
Legend

— Roads

TOPOGRAPHIC MAP

"C"





Beluga Unit F-16 (Proposed Well)
 Beluga Unit 11-16 (Existing Well)



Beluga Unit F-16-9-17 (Proposed Well)
Beluga Unit 11-16-9-17 (Existing Well)
 Pad Location: NWNW 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: 07-03-2008

Legend

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

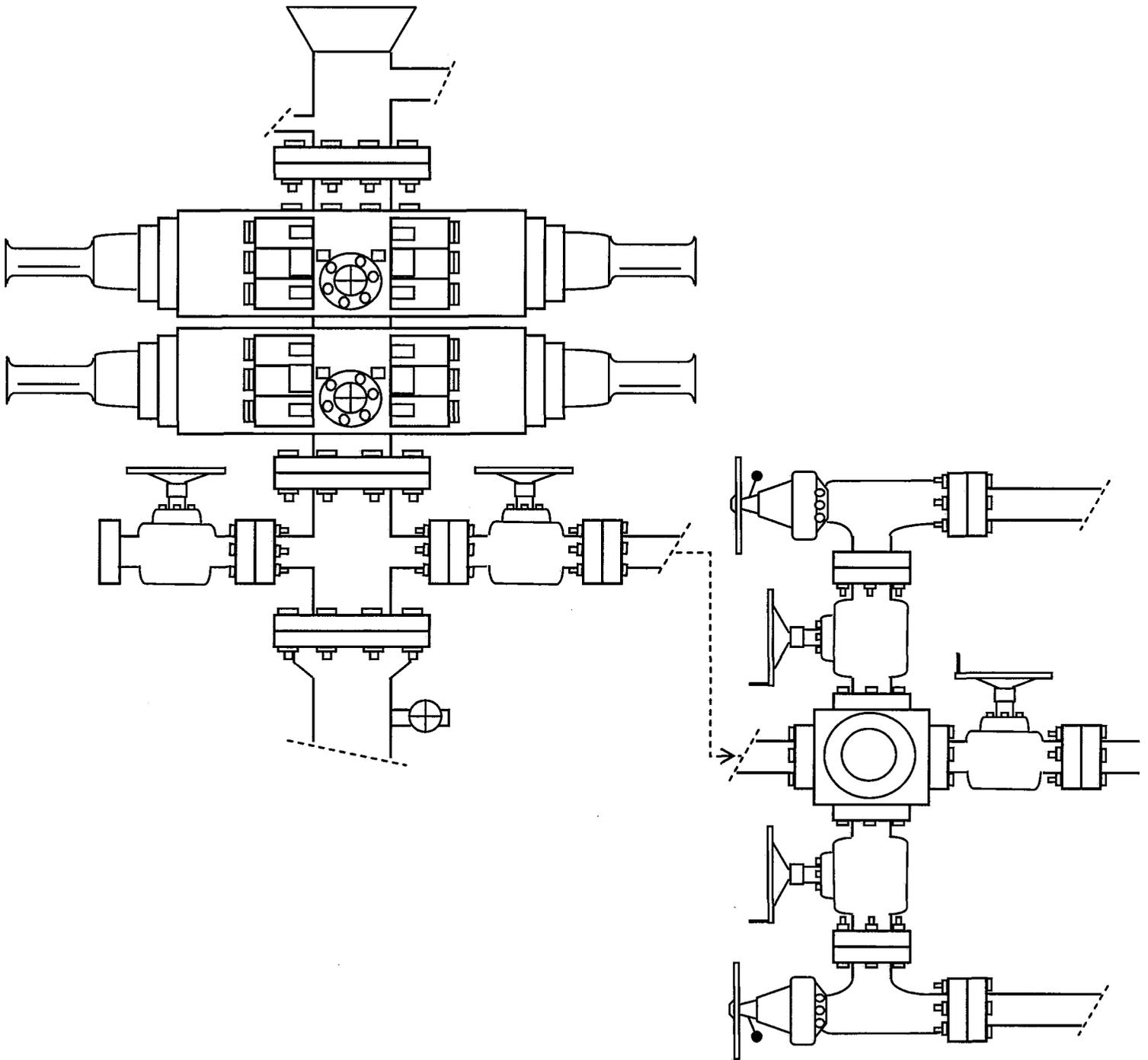


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/25/2008

API NO. ASSIGNED: 43-013-34045

WELL NAME: BELUGA ST F-16-9-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NWNW 16 090S 170E
 SURFACE: 0674 FNL 0644 FWL
 BOTTOM: 1320 FNL 0050 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.03638 LONGITUDE: -110.0179
 UTM SURF EASTINGS: 583788 NORTHINGS: 4432047
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DMD	9/11/08
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-454031
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-10136)
- N RDCC Review (Y/N)
(Date: _____)
- N/A Fee Surf Agreement (Y/N)
- N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

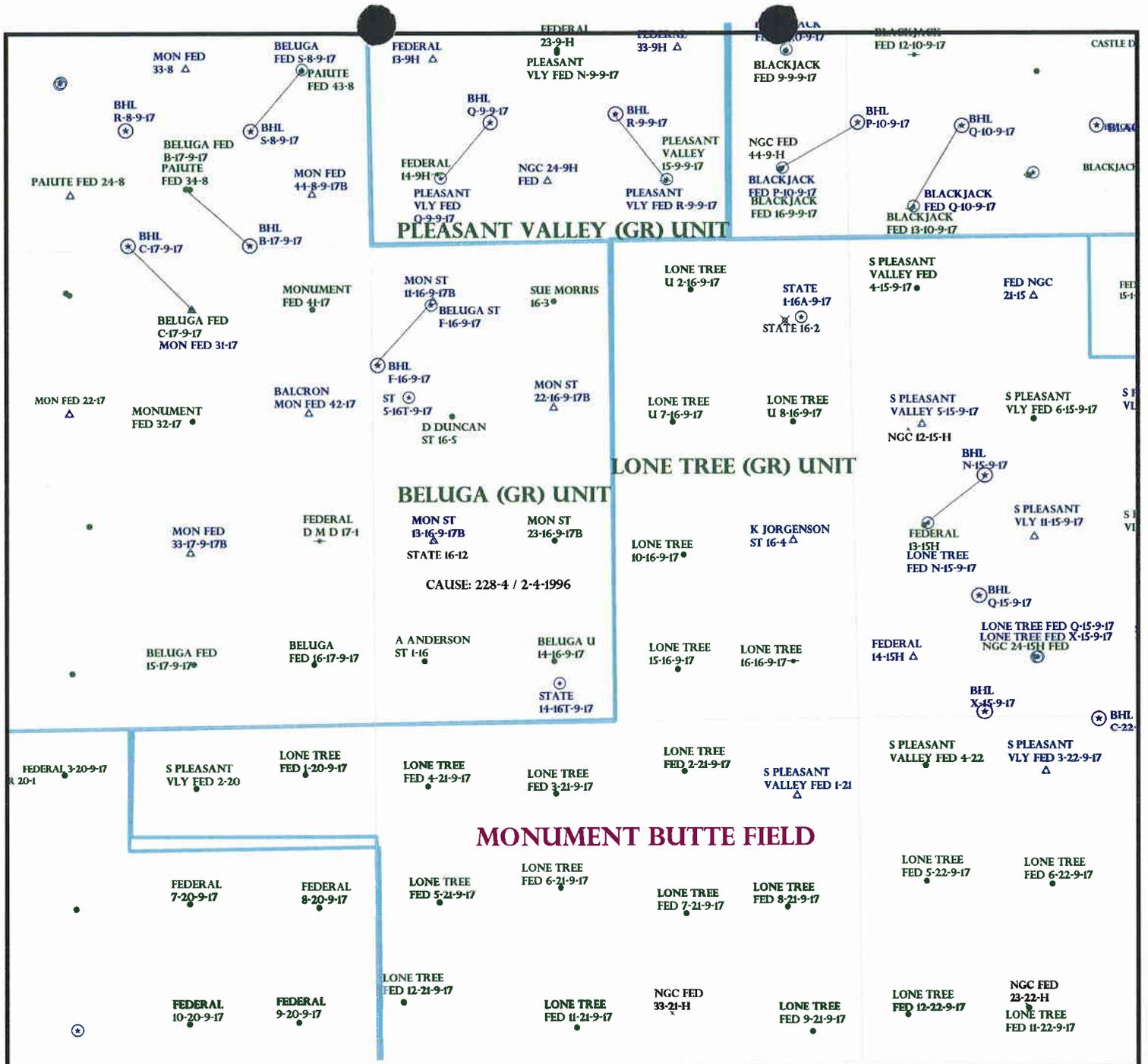
- R649-2-3.
- Unit: BELUGA (GRRV)
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 2284
Eff Date: 2-4-1996
Siting: Case Note: Suspend Gen. Siting
- R649-3-11. Directional Drill

COMMENTS:

Needs Permit (08-05-06)

STIPULATIONS:

- 1- STATEMENT OF BASIS
- 2- Surface Csg Cont. Stip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 16 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-4 / 2-4-1996

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

- Unit Status**
- EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PENDING
 - PI OIL
 - PP GAS
 - PP GEOTHERML
 - PP OIL
 - SECONDARY
 - TERMINATED

- Wells Status**
- GAS INJECTION
 - GAS STORAGE
 - LOCATION ABANDONED
 - NEW LOCATION
 - PLUGGED & ABANDONED
 - PRODUCING GAS
 - PRODUCING OIL
 - SHUT-IN GAS
 - SHUT-IN OIL
 - TEMP. ABANDONED
 - TEST WELL
 - WATER INJECTION
 - WATER SUPPLY
 - WATER DISPOSAL
 - DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 28-JULY-2008

Application for Permit to Drill

Statement of Basis

8/19/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
904	43-013-34045-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	BELUGA ST F-16-9-17	Unit	BELUGA (GRRV)		
Field	MONUMENT BUTTE	Type of Work			
Location	NWNW 16 9S 17E S 674 FNL 644 FWL GPS Coord (UTM) 583788E 4432047N				

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

8/19/2008
Date / Time

Surface Statement of Basis

The proposed Beluga State F-16-9-17 directional oil well will be drilled from an existing pad containing the Monument State 11-16-9-17B water flood injection well. No changes are planned to the location except digging a reserve pit on the north side. The pad is stable and no apparent conditions exist which should limit the drilling and operating the second well on the pad. Both the surface and minerals are owned by SITLA. SITLA was contacted and elected not to attend the presite evaluation because it was an existing location.

Floyd Bartlett
Onsite Evaluator

8/5/2008
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.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name BELUGA ST F-16-9-17
API Number 43-013-34045-0 **APD No** 904 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NWNW **Sec** 16 **Tw** 9S **Rng** 17E 674 FNL 644 FWL
GPS Coord (UTM) 583782 4432050 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Kevin Stevens (Newfield), Ben Williams (UDWR)

Regional/Local Setting & Topography

The Beluga State F-16-9-17 directional oil well will be drilled on an existing pad containing the Monument State 11-16-9-17B water flood injection well. No changes are planned to the location except digging a reserve pit on the north side. The pad is stable and no apparent conditions exist which should limit the drilling and operating the second well on the pad. Both the surface and minerals are owned by SITLA. SITLA was contacted and elected not to attend the presite evaluation because it was an existing location.

Surface Use Plan

Current Surface Use

Existing Well Pad
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0	Width 179 Length 312		UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?

Paleo Potential Observed?

Cultural Survey Run?

Cultural Resources?

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
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	40
		1 Sensitivity Level

Characteristics / Requirements

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

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

Other Observations / Comments

Floyd Bartlett
Evaluator

8/5/2008
Date / Time

43013340450000 Beluga ST F-16-9-17

Casing Schematic

Surface

8-5/8"
MW 8.4
Frac 19.3

TOC @
0.

TOC @
43.

Unita
to Surf w/13%

303' Surface
290. MD
290. TVD

BMSW

Stop ✓

1382' Green River



3182' tail

Stop surf csg. 2 cent ✓

5-1/2"
MW 8.4

5865' Wasatch
Production
5941. MD
5865. TVD

Well name:	4301334045000 Beluga ST F-16-9-17	
Operator:	Newfiled Production Company	
String type:	Surface	Project ID: 43-013-34045-0000
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: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft
Cement top: 43 ft

Burst

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

Tension is based on air weight.
Neutral point: 253 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 5,865 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,559 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 290 ft
Injection pressure: 290 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	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 & Minerals

Phone: 810-538-5357

Date: October 30, 2008
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:	43013340450000 Beluga ST F-16-9-17	
Operator:	Newfiled Production Company	Project ID:
String type:	Production	43-013-34045-0000
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: Surface

Burst

Max anticipated surface pressure: 1,269 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,559 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)

Tension is based on buoyed weight.
 Neutral point: 5,184 ft

Directional well information:

Kick-off point 600 ft
 Departure at shoe: 878 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 10.1 °

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	5941	5.5	15.50	J-55	LT&C	5865	5941	4.825	794
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	2559	4040	1.579	2559	4810	1.88	79	217	2.73 J

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

Phone: 810-538-5357

Date: October 30, 2008
 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 5865 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 F-16-9-17

API 43-013-34045-0000

INPUT

Well Name

Newfield Beluga ST F-16-9-17		API 43-013-34045-0000	
String 1	String 2		
Casing Size (")	8 5/8	5 1/2	
Setting Depth (TVD)	290	5865	
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)	2949	9.7 ppg	

Calculations

		String 1	8 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =		127	
				BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		92	NO <i>OK</i>
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		63	NO
				*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		63	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*Setting Depth*MW =		2562	
				BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		1858	YES ✓
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		1272	YES
				*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		1335	NO <i>Known Area - used in arc 4</i>
Required Casing/BOPE Test Pressure				2000 psi
*Max Pressure Allowed @ Previous Casing Shoe =				290 psi
				*Assumes 1psi/ft frac gradient

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)

July 28, 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)		
43-013-34045	Beluga St F-16-9-17 Sec 16 T09S R17E 0674 FNL 0644 FWL	BHL 16 T09S R17E 1320 FNL 0050 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:7-28-08



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

December 22, 2008

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

Re: Beluga State F-16-9-17 Well, 674' FNL, 644' FWL, NW NW, Sec. 16, T. 9 South, R. 17 East, Bottom Location 1320' FNL, 50' FWL, NW 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 43-013-34045.

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 F-16-9-17
API Number: 43-013-34045
Lease: ML-45431

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

43-013-34045

December 22, 2008

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.
7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Newfield Production Company

Well Name: Beluga ST F 16-9-17

API No: 43-013-34045 Lease Type: State

Section 16 Township 09S Range 17E County Duchesne

Drilling Contractor _____ Rig # _____

SPUDDED:

Date 04/03/09

Time 9:00 AM

How Dry

Drilling will Commence: _____

Reported by Alvin Nielson

Telephone # 435-823-7468

Date 04/06/2009 Signed RM

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11880 ✓	4301334045	BELUGA STATE F-16-9-17	NWNW	16	9S	17E	DUCHESNE	4/3/2009	4/16/09
WELL 1 COMMENTS: <i>GRUV</i>											
B	99999	12277 ✓	4301333813	PLEASANT VALLEY FEDERAL Q-9-9-17	SWSW	9	9S	17E	DUCHESNE	4/6/2009	4/16/09
WELL 2 COMMENTS: <i>GRUV</i> <i>BHL = SWSW</i>											
WELL 5 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)
 A - 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 13 2009

DIV. OF OIL, GAS & MINING

[Signature]
 Signature
 Production Clerk
 Jentri Park
 04/13/09
 Date

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-3453-B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: BELUGA UNIT
8. WELL NAME and NUMBER: BELUGA F-16-9-17
9. API NUMBER: 4301334045
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: 04/13/2009	<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: - 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 4/3/09 MIRU Ross Rig # 29. Spud well @ 9:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.68 KB On 4/8/09 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 5 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Alvin Njelsen TITLE Drilling Foreman
SIGNATURE *Alvin Njelsen* DATE 04/13/2009

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APR 15 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-3453-B

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: BELUGA UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: BELUGA F-16-9-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		9. API NUMBER: 4301334045
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 16, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		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"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 04/20/2009	<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 4/13/09 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 @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5900'. 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, 151 jt's of 5.5 J-55, 15.5# csgn. Set @ 5894.70' / KB. Cement with 280 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 5 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 88,000 #'s tension. Release rig @ 6:00 pm 4/19/09.

NAME (PLEASE PRINT) Don Bastian TITLE Drilling Foreman
SIGNATURE Don Bastian DATE 04/20/2009

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NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5894.7

LAST CASING 5 1/2" SET AT 5894.7
 DATUM 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE 12
 TD DRILLER 5900 LOGC 5896
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company
 WELL BELUGA F-16-9-17
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI Rig #2

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Landing Jt	15.5	J-55	8rd	A	14
151	5 1/2"	LT&C Casing	15.5	J-55	8rd	A	5843.44
1	5 1/2"	Float Collar	-----	-----		A	0.6
1	4 1/2"	LT&C Csg.	15.5	J-55	8rd	A	38.01
1	5 1/2"	Guide Shoe				A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5896.7
TOTAL LENGTH OF STRING		5896.7		LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		193.45	5	CASING SET DEPTH			5,894.70
TOTAL		6074.9	5	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6074.9	157				
TIMING							
BEGIN RUN CSG.	Spud	7:00 AM	4/19/2009	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		10:30 AM	4/19/2009	Bbls CMT CIRC TO SURFACE <u>5</u>			
BEGIN CIRC		10:50 AM	4/19/2009	RECIPROCATED PIPi <u>Yes</u>			
BEGIN PUMP CMT		12:20 PM	4/19/2009				
BEGIN DSPL. CMT		1:05 PM	4/19/2009	BUMPED PLUG TO <u>1560</u>			
PLUG DOWN		1:28 PM	4/19/2009				

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-3453-B

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BELUGA UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

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

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301334045

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE:

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

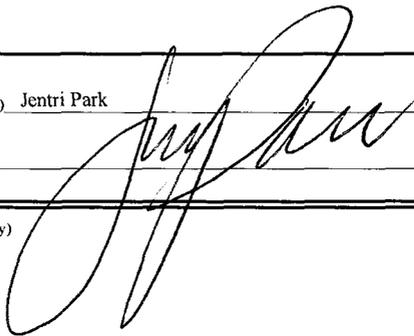
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> 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>06/19/2009</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 05/08/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 06/19/2009

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JUN 22 2009
DIV. OF OIL, GAS & MINING

Daily Activity Report**Format For Sundry****BELUGA F-16-9-17****3/1/2009 To 7/30/2009****4/22/2009 Day: 1****Completion**

Rigless on 4/22/2009 - 4-28-09 Ran CBL & shot 1st 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 @ 5812' & cement top @ 62'. Perforate stage #1, CP4 & CP3 sds @ 5604-10' 5560-66' 5526-36' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 4 spf for total of 88 shots. 139 BWTR. SWIFN.

Daily Cost: \$0**5/4/2009 Day: 2****Completion**

Rigless on 5/4/2009 - 5/04/09: Frac 6 stages. Shot 7th stage. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 5485'. Perforate CP1 sds @ 5426-40' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1585 psi on well. Broke @ 3394 psi, ISIP @ 1780 psi, 1 min @ 1573 psi, 4 min @ 1568 psi. FG @ .76. Frac LODC sds w/ 55,453#'s of 20/40 sand in 499 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2304 psi w/ ave rate of 26.5 BPM. ISIP 2608 psi, 5 min @ 1989 psi, 10 min @ 1791 psi, 15 min @ 1730 psi. FG. @ .91. Leave pressure on well. 1061 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5140-52' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 48 shots. RU BJ Services. 1650 psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. 1570 psi on well. Broke @ 3803 psi, ISIP @ 1769 psi, 1 min @ 1115 psi, 4 min @ 1457 psi. FG @ .78. Frac LODC sds w/74,540#'s of 20/40 sand in 611 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2133 psi w/ ave rate of 26.4 BPM. ISIP 2265 psi, 5 min @ 2135 psi, 10 min @ 2111 psi, 15 min @ 2090 psi. FG. @ .87. Leave pressure on well. 1672 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6' perf gun. Set plug @ 5050'. Perforate A1 sds @ 4984-90' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 24 shots. RU BJ Services. 2000 psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. 1940 psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. 1900 psi on well. Broke @ 3386 psi, ISIP @ 1967 psi, 1 min @ 1760 psi, 4 min @ 1480 psi. FG @ .83. Frac A1 sds w/ 15,207#'s of 20/40 sand in 293 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2491 psi w/ ave rate of 26.4 BPM. ISIP 2030 psi, 5 min @ 1897 psi, 10 min @ 1841 psi, 15 min @ 1807 psi. FG. @ .84. Leave pressure on well. 1965 BWTR. - RU BJ Services. 140 psi on well. Broke @ 2898 psi. ISIP @ 1310 psi, 1 min @ 865 psi, 4 min @ 630 psi. FG @ .67. Frac CP3/CP4 sds w/ 40,049#'s of 20/40 sand in 423 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1962 psi w/ ave rate of 26.6 BPM. ISIP 1948 psi, 5 min @ 1803 psi, 10 min @ 1733 psi, 15 min @ 1680 psi. FG @ .78. Leave pressure on well. 562 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6', 8' perf guns. Set plug @ 4810'. Perforate D2 sds @ 4621-27' & C sds @ 4715-23' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. . RU BJ Services. 1775 psi on well. Broke @ 2699 psi, ISIP @ 1693 psi, 1 min @ 1702 psi, pressure increased, skipped 4 min. FG @ .80. Frac C/D2 sds w/ 34,227#'s of 20/40 sand in 453 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2372 psi w/ ave rate of 26.2 BPM. ISIP 2265 psi, 5 min @ 2104 psi, 10 min @ 2023 psi, 15 min @ 1950 psi. FG. @ .92. Leave pressure on well. 2418 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4110'.

Perforate GB4 sds @ 4030-40' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 40 shots. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 9' perf gun. Set plug @ 4590'. Perforate D1 sds @ 4550-59' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1645 psi on well. Broke @ 2501 psi, ISIP @ 2109 psi, 1 min @ 1648 psi, 4 min @ 1631 psi. FG @ .90. Frac D1 sds w/ 40,603#'s of 20/40 sand in 394 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2509 psi w/ ave rate of 26.2 BPM. ISIP 2558 psi, 5 min @ 2320 psi, 10 min @ 2103 psi, 15 min @ 2075 psi. FG. @ 1.0. Leave pressure on well. 2812 BWTR.
Daily Cost: \$0

5/5/2009 Day: 3**Completion**

Rigless on 5/5/2009 - 5/05/09: Frac last stage. Set composite kill plug. - RU BJ Services. 1025 psi on well. Broke @ 1347 psi. ISIP @ 1303 psi, 1 min @ 1230 psi, 4 min @ 1180 psi. FG @ .76. Frac GB4 sds w/ 18,005#'s of 20/40 sand in 283 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1843 psi w/ ave rate of 26.2 BPM. ISIP 1872 psi, 5 min @ 1629 psi, 10 min @ 1521 psi, 15 min @ 1474 psi. FG @ .90. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 6 hrs. & turned to oil. Recovered 850 bbls. RU The Perforators wireline truck & crane. Set composite kill plug @ 3960'. Bleed off well. RD wireline truck. SWIFN.
Daily Cost: \$0

5/7/2009 Day: 4**Completion**

Western #3 on 5/7/2009 - 5/06/09: DU 5 CBPs. Circulate well clean. - MIRU WWS #3. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe rack (tallying & drifting) to 2700'. RU pump. Circulate well clean. Cont. RIH w/ tbg. Tag CBP @ 3960'. RU powerswivel. DU CBP in 11 min. Cont. RIH w/ tbg. Tag CBP @ 4110'. DU CBP in 17 min. Cont. RIH w/ tbg. Tag CBP @ 3590'. DU CBP in 40 min. Cont. RIH w/ tbg. Tag CBP @ 4810'. DU CBP in 14 min. Cont. RIH w/ tbg. Tag CBP @ 5050'. DU CBP in 14 min. Circulate well clean. SWIFN.
Daily Cost: \$0
 C

5/8/2009 Day: 5**Completion**

Western #3 on 5/8/2009 - 5/07/09: DU CBPs. Swab well. Flow well. Recovered 200 bbls water, 90 bbls oil. 1895 BWTR. - Tbg. @ 600 psi, csg. @ 550 psi. Bleed off well. Circulate well. Cont. RIH w/ tbg. Tag CBP @ 5230'. DU CBP in 35 min. Cont. RIH w/ tbg. Tag fill @ 5408'. C/O to CBP @ 5485'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag fill @ 5700'. C/O to PBSD @ 5855'. Circulate well clean. Pull up to 5778'. RIH w/ swab. SFL @ surface. Made 4 runs. Recovered 50 bbls. Well started to flow. Well flowed for 3 hrs. Recovered 170 bbls. Ending oil cut @ 40%. SWIFN. Recovered 200 bbls water & 90 bbls oil. 1895 BWTR.
Daily Cost: \$0

5/11/2009 Day: 6**Completion**

Western #3 on 5/11/2009 - 5/08/09: Kill well w/ 10# brine. Round trip tbg. PU rods. Put well on production @ 3:30 p.m. 144" stroke length, 4 spm. 1995 BWTR. Final Report. - Tbg. @

350 psi, csg. @ 600 psi. Bleed off well. Pump 30 bbls water down tbg. RIH w/ tbg. Tag PBTD @ 5855'. Circulate well w/ 220 bbls 10# brine water. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 178 jts 2 7/8" tbg. ND BOP. Set TAC @ 5591' w/ 19,000# tension. NU wellhead. X-over for rods. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 21,000# shear coupler, 4- 1 1/2" weight bars, 220- 7/8" guided rods (8 per), 1- 8', 2' x 7/8" pony rods, 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Hang off rods. Adjust tag. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 3:30 p.m. 144 stroke length, 4 spm. Final Report. 1995 BWTR. **Finalized**
Daily Cost: \$0

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

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

5. Lease Serial No.
ML-3453-B

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 STATE F-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.
43-013-34045

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 674' FNL & 644' FWL (NW/NW) SEC. 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

At top prod. interval reported below BHL: 1320' FNL & 50' FWL (NW/NW)

12. County or Parish
DUCHESNE

13. State
UT

At total depth 5900' *117 fne 33 fcl per Hsm review*

14. Date Spudded
04/03/2009

15. Date T.D. Reached
04/18/2009

16. Date Completed 05/08/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5310' GL 5322' KB

18. Total Depth: MD 5900'
TVD 5798'

19. Plug Back T.D.: MD 5855'
TVD 5755'

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#		321'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5895'		280 PRIMLITE		62'	
						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@ 5689'	TA @ 5591'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP4) & (CP3) see below	.49"	4	88
B) GREEN RIVER			(CP1) 5426-5440'	.49"	4	56
C) GREEN RIVER			(LODC) 5140-5152'	.49"	4	48
D) GREEN RIVER			(A1) 4984-4990'	.49"	4	24

26. Perforation Record *4030 - 5010*

Depth Interval	Amount and Type of Material
5526-5610'	Frac w/ 40049 # of 20/40 snd 423 bbls fluid
5426-5440'	Frac w/ 55453# 20/40 snd 449 bbls fluid
5140-5152'	Frac w/ 74540# 20/40 snd 611 bbls fluid
4984-4990'	Frac w/ 15207# 20/40 snd 293 bbls fluid

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/08/09	06/0209	24	→	6	0	0			2-1/2" x 1-3/4" x 20 x 24' RHAC Rod Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval A

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

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JUN 29 2009

*(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	3535' 3736'
				GARDEN GULCH 2 POINT 3	3848' 4103'
				X MRKR Y MRKR	4361' 4396'
				DOUGALS CREEK MRK BI CARBONATE MRK	4524' 4763'
				B LIMESTON MRK CASTLE PEAK	4885' 5365'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5796' 5896'

32. Additional remarks (include plugging procedure):

STAGE 1: (CP4) 5604-5610' (CP3) 5560-5566', 5526-5536'
 STAGE 5: Perforate D2 sds @ 4621-27' & C sds @ 4715-23' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. . RU BJ Services. 1775 psi on well. Broke @ 2699 psi, ISIP @ 1693 psi, 1 min @ 1702 psi, pressure increased, skipped 4 min. FG @ .80. Frac C/D2 sds w/ 34,227#'s of 20/40 sand in 453 bbls of Lightning 17 fluid.
 STAGE 6: Perforate D1 sds @ 4550-59' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1645 psi on well. Broke @ 2501 psi, ISIP @ 2109 psi, 1 min @ 1648 psi, 4 min @ 1631 psi. FG @ .90. Frac D1 sds w/ 40,603#'s of 20/40 sand in 394 bbls of Lightning 17 fluid.
 STAGE 7: Perforate GB4 sds @ 4030-40' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 40 shots. Frac GB4 sds w/ 18,005#'s of 20/40 sand in 283 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 Tammi Lee Date 06/23/2009

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.

NEWFIELD



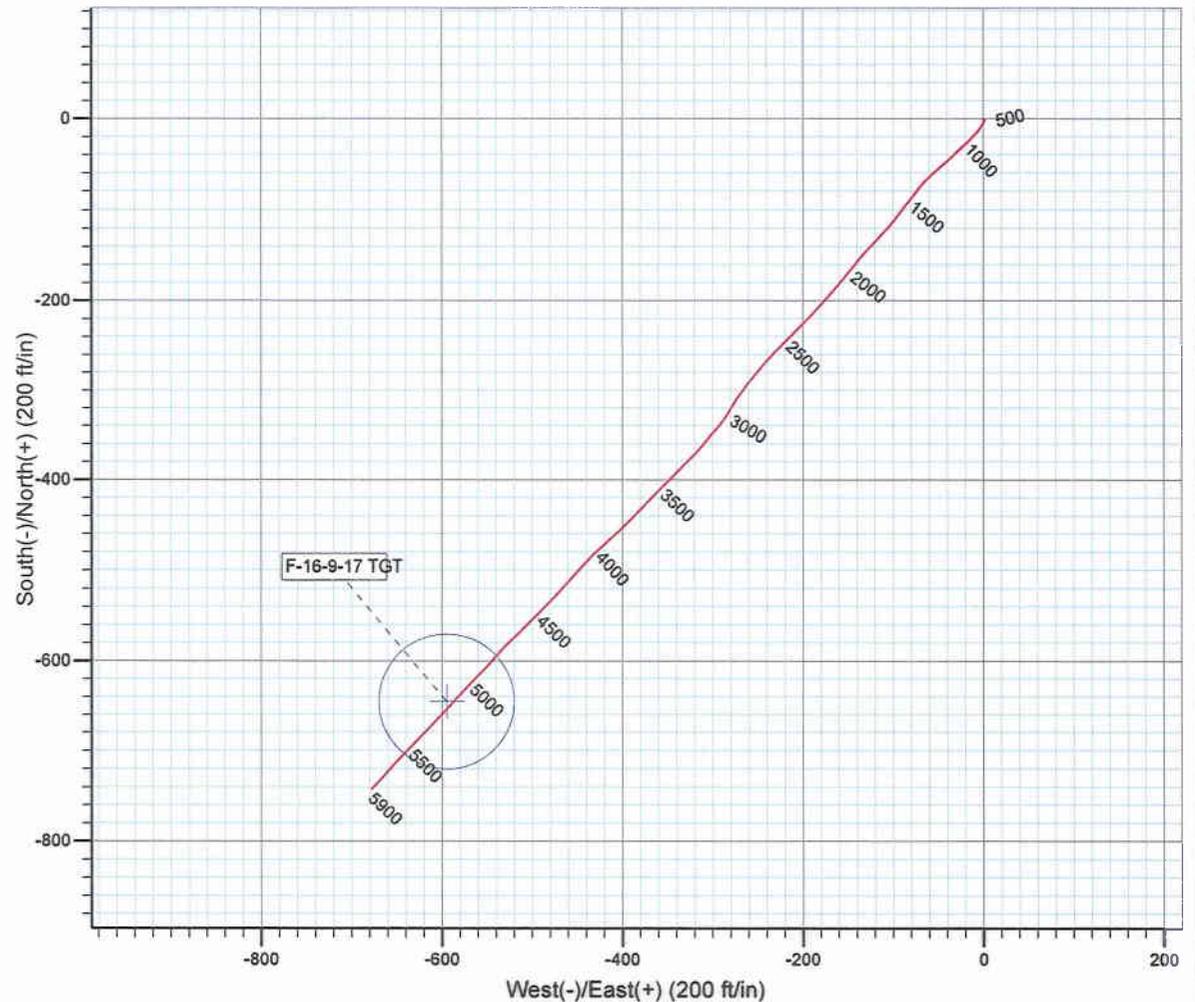
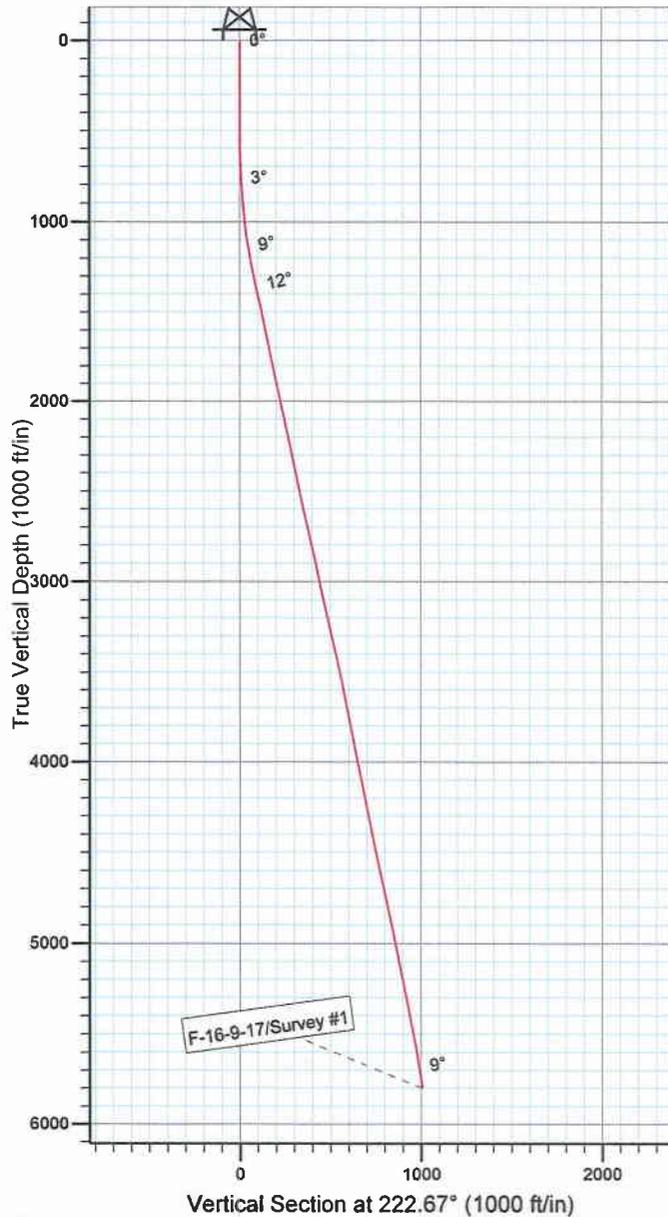
Project: USGS Myton SW (UT)
Site: SECTION 16 T9S, R17E
Well: F-16-9-17
Wellbore: Wellbore #1
SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
Magnetic North: 11.57°

Magnetic Field
Strength: 52523.5snT
Dip Angle: 65.86°
Date: 2009/03/18
Model: IGRF200510



HATHAWAY HBBURNHAM
DIRECTIONAL & MWD SERVICES

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

Created By: *Jim Hudson* Date: 8:26, April 21 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
F-16-9-17**

Wellbore #1

Survey: Survey #1

Standard Survey Report

21 April, 2009

HATHAWAY ^{HB} BURNHAM
▮ DIRECTIONAL & MWD SERVICES ▮



HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well F-16-9-17
TVD Reference: F-16-9-17 @ 5322.0ft (RIG #2)
MD Reference: F-16-9-17 @ 5322.0ft (RIG #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
From:	Lat/Long	Easting:	2,056,769.95ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 1' 51.237 N
		Longitude:	110° 0' 46.831 W
		Grid Convergence:	0.95 °

Well	F-16-9-17, SHL LAT: 40 02 10.90, LONG: -110 01 07.44		
Well Position	+N/-S	0.0 ft	Northing: 7,185,402.39 ft
	+E/-W	0.0 ft	Easting: 2,055,134.23 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40° 2' 10.900 N
		Longitude:	110° 1' 7.440 W
		Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/03/18	11.57	65.86	52,524

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	222.67	

Survey Program	Date 2009/04/21				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
394.0	5,900.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
394.0	0.31	130.73	394.0	-0.7	0.8	0.0	0.08	0.08	0.00
424.0	0.53	106.51	424.0	-0.8	1.0	-0.1	0.93	0.73	-80.73
454.0	0.31	133.96	454.0	-0.9	1.2	-0.2	0.97	-0.73	91.50
485.0	0.59	147.71	485.0	-1.1	1.3	-0.1	0.96	0.90	44.35
516.0	0.90	179.88	516.0	-1.5	1.4	0.1	1.64	1.00	103.77
546.0	1.21	200.45	546.0	-2.0	1.3	0.6	1.62	1.03	68.57
578.0	1.28	206.11	578.0	-2.6	1.0	1.2	0.44	0.22	17.69
608.0	1.43	202.36	608.0	-3.3	0.7	1.9	0.58	0.50	-12.50
639.0	1.89	203.13	639.0	-4.1	0.4	2.7	1.49	1.48	2.48
670.0	1.90	209.71	669.9	-5.0	-0.1	3.7	0.70	0.03	21.23
701.0	2.22	214.90	700.9	-6.0	-0.7	4.8	1.19	1.03	16.74
731.0	2.75	217.43	730.9	-7.0	-1.4	6.1	1.80	1.77	8.43



HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well F-16-9-17
TVD Reference: F-16-9-17 @ 5322.0ft (RIG #2)
MD Reference: F-16-9-17 @ 5322.0ft (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)
762.0	3.36	215.52	761.8	-8.3	-2.4	7.8	1.99	1.97	-6.16
793.0	3.56	214.18	792.8	-9.9	-3.5	9.6	0.70	0.65	-4.32
823.0	3.89	216.79	822.7	-11.5	-4.6	11.5	1.24	1.10	8.70
854.0	4.22	216.07	853.7	-13.2	-5.9	13.7	1.08	1.06	-2.32
885.0	4.88	220.73	884.6	-15.1	-7.4	16.2	2.44	2.13	15.03
916.0	5.32	221.26	915.4	-17.2	-9.2	18.9	1.43	1.42	1.71
948.0	5.98	224.11	947.3	-19.5	-11.4	22.1	2.24	2.06	8.91
979.0	6.42	226.15	978.1	-21.9	-13.8	25.4	1.59	1.42	6.58
1,011.0	6.92	227.58	1,009.9	-24.4	-16.5	29.1	1.65	1.56	4.47
1,042.0	7.26	228.66	1,040.6	-27.0	-19.3	32.9	1.18	1.10	3.48
1,074.0	8.00	226.81	1,072.4	-29.8	-22.5	37.2	2.44	2.31	-5.78
1,106.0	8.70	226.81	1,104.0	-33.0	-25.8	41.8	2.19	2.19	0.00
1,137.0	9.58	225.98	1,134.6	-36.4	-29.4	46.7	2.87	2.84	-2.68
1,169.0	9.80	226.26	1,166.2	-40.2	-33.3	52.1	0.70	0.69	0.88
1,201.0	10.17	227.08	1,197.7	-44.0	-37.3	57.6	1.24	1.16	2.56
1,233.0	10.55	227.72	1,229.2	-47.9	-41.6	63.4	1.24	1.19	2.00
1,264.0	11.12	229.91	1,259.6	-51.7	-46.0	69.2	2.27	1.84	7.06
1,296.0	11.43	228.37	1,291.0	-55.8	-50.7	75.4	1.35	0.97	-4.81
1,328.0	11.87	227.89	1,322.3	-60.1	-55.5	81.8	1.41	1.38	-1.50
1,359.0	12.26	225.50	1,352.6	-64.5	-60.2	88.3	2.04	1.26	-7.71
1,391.0	12.35	223.40	1,383.9	-69.4	-65.0	95.1	1.43	0.28	-6.56
1,486.0	11.87	220.35	1,476.8	-84.2	-78.3	115.0	0.84	-0.51	-3.21
1,581.0	11.54	216.29	1,569.8	-99.3	-90.2	134.2	0.93	-0.35	-4.27
1,677.0	11.47	219.85	1,663.9	-114.4	-102.0	153.3	0.74	-0.07	3.71
1,772.0	11.95	224.22	1,756.9	-128.7	-115.0	172.6	1.06	0.51	4.60
1,867.0	12.26	222.95	1,849.8	-143.1	-128.7	192.5	0.43	0.33	-1.34
1,962.0	11.98	217.08	1,942.7	-158.4	-141.5	212.4	1.33	-0.29	-6.18
2,058.0	12.04	218.33	2,036.6	-174.2	-153.7	232.3	0.28	0.06	1.30
2,152.0	12.30	222.00	2,128.5	-189.3	-166.5	252.1	0.87	0.28	3.90
2,247.0	12.33	222.24	2,221.3	-204.4	-180.1	272.3	0.06	0.03	0.25
2,342.0	11.36	224.20	2,314.3	-218.6	-193.4	291.8	1.11	-1.02	2.06
2,438.0	11.06	223.06	2,408.4	-232.1	-206.3	310.5	0.39	-0.31	-1.19
2,533.0	11.91	226.29	2,501.5	-245.5	-219.6	329.4	1.12	0.89	3.40
2,627.0	12.33	223.01	2,593.4	-259.6	-233.5	349.1	0.86	0.45	-3.49
2,722.0	13.23	218.20	2,686.1	-275.5	-247.1	370.1	1.47	0.95	-5.06
2,817.0	13.71	219.52	2,778.5	-292.7	-261.0	392.1	0.60	0.51	1.39
2,913.0	12.33	212.84	2,872.0	-310.1	-273.8	413.6	2.12	-1.44	-6.96
3,008.0	11.40	209.61	2,965.0	-326.8	-283.9	432.7	1.20	-0.98	-3.40
3,103.0	13.14	221.17	3,057.8	-343.1	-295.7	452.7	3.16	1.83	12.17
3,198.0	11.89	217.85	3,150.6	-359.0	-308.8	473.2	1.52	-1.32	-3.49
3,293.0	13.18	224.90	3,243.3	-374.4	-322.5	493.8	2.10	1.36	7.42
3,389.0	12.61	225.41	3,336.9	-389.5	-337.6	515.2	0.61	-0.59	0.53
3,484.0	12.59	223.39	3,429.6	-404.3	-352.1	535.9	0.46	-0.02	-2.13
3,579.0	11.93	224.90	3,522.4	-418.8	-366.2	556.1	0.77	-0.69	1.59
3,674.0	10.99	224.11	3,615.5	-432.2	-379.4	575.0	1.00	-0.99	-0.83
3,769.0	10.70	223.89	3,708.8	-445.1	-391.8	592.8	0.31	-0.31	-0.23
3,864.0	11.14	226.92	3,802.1	-457.7	-404.7	610.8	0.76	0.46	3.19
3,959.0	11.45	227.93	3,895.3	-470.3	-418.4	629.3	0.39	0.33	1.06
4,054.0	11.10	225.78	3,988.4	-483.0	-431.9	647.9	0.58	-0.37	-2.26
4,149.0	11.47	222.79	4,081.6	-496.3	-444.9	666.4	0.73	0.39	-3.15
4,244.0	10.77	221.56	4,174.8	-509.9	-457.2	684.8	0.78	-0.74	-1.29
4,340.0	11.09	223.96	4,269.1	-523.2	-469.5	703.0	0.58	0.33	2.50
4,435.0	11.32	224.55	4,362.3	-536.4	-482.4	721.4	0.27	0.24	0.62
4,530.0	12.28	223.12	4,455.3	-550.5	-495.9	740.8	1.06	1.01	-1.51



HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well F-16-9-17
TVD Reference: F-16-9-17 @ 5322.0ft (RIG #2)
MD Reference: F-16-9-17 @ 5322.0ft (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)
4,624.0	12.26	228.33	4,547.1	-564.4	-510.2	760.8	1.18	-0.02	5.54
4,719.0	11.87	224.51	4,640.0	-578.1	-524.6	780.6	0.94	-0.41	-4.02
4,814.0	12.68	220.86	4,732.9	-592.9	-538.2	800.8	1.18	0.85	-3.84
4,909.0	12.59	223.28	4,825.6	-608.3	-552.1	821.5	0.57	-0.09	2.55
5,004.0	12.06	223.94	4,918.4	-623.0	-566.1	841.8	0.58	-0.56	0.69
5,099.0	10.94	222.33	5,011.5	-636.8	-579.1	860.7	1.23	-1.18	-1.69
5,189.2	10.90	223.47	5,100.0	-649.4	-590.7	877.8	0.24	-0.04	1.26
F-16-9-17 TGT									
5,195.0	10.90	223.54	5,105.7	-650.2	-591.5	878.9	0.24	-0.04	1.26
5,290.0	11.69	222.53	5,198.9	-663.8	-604.2	897.5	0.86	0.83	-1.06
5,385.0	11.38	221.39	5,292.0	-677.9	-616.9	916.5	0.41	-0.33	-1.20
5,480.0	11.82	225.50	5,385.0	-691.7	-630.0	935.6	0.99	0.46	4.33
5,575.0	10.77	224.53	5,478.2	-704.9	-643.2	954.2	1.12	-1.11	-1.02
5,670.0	9.78	223.28	5,571.7	-717.1	-654.9	971.1	1.07	-1.04	-1.32
5,765.0	8.96	222.44	5,665.4	-728.4	-665.4	986.6	0.88	-0.86	-0.88
5,845.0	7.95	222.75	5,744.5	-737.1	-673.4	998.4	1.26	-1.26	0.39
5,900.0	7.95	222.75	5,799.0	-742.7	-678.6	1,006.0	0.00	0.00	0.00

Design 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
F-16-9-17 TGT	0.00	0.00	5,100.0	-645.3	-594.9	7,184,747.37	2,054,550.19	40° 2' 4.523 N	110° 1' 15.088 W
- survey misses by 5.8ft at 5189.2ft MD (5100.0 TVD, -649.4 N, -590.7 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

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H      HEADER      INFORMATION -----
H      COMPANY    :          NEWFIELD EXPLORATION
H      FIELD      :          USGS      Myton      SW      (UT)
H      SITE       :          SECTION      16 T9S,      R17E
H      WELL       :          F-16-9-17
H      WELLPATH:  Wellbore      #1
H      DEPTHUNT:  ft
H      SURVDATE:          4/21/2009
H      DECLINATION CORR.
H      =          10.62 TO      GRIDH-----
H      WELL      INFORMATION
H      WELL      EW          MAP      :          2055134
H      WELL      NS          MAP      :          7185402
H      DATUM     ELEVN      :          5322
H      VSECT     ANGLE      :          222.67
H      VSECT     NORTH      :          0
H      VSECT     EAST       :          0
H-----
H      SURVEY     TYPE      INFORMATION
H      394 -          5900 SURVEY #1      :          MWD
H-----
H      SURVEY     LIST
MD     INC      AZI      TVD      NS      EW      VS      DLS
      0          0          0          0          0          0          0          0
      394        0.31      130.73      394        -0.7        0.81      -0.04      0.08
      424        0.53      106.51      424        -0.79       1        -0.1       0.93
      454        0.31      133.96      454        -0.88       1.19     -0.16     0.97
      485        0.59      147.71      485        -1.08       1.34     -0.12     0.96
      516         0.9      179.88     515.99     -1.46       1.43       0.1       1.64
      546        1.21      200.45     545.99     -1.99       1.31       0.57     1.62
      578        1.28      206.11     577.98     -2.63       1.04       1.23     0.44
      608        1.43      202.36     607.97     -3.27       0.75       1.9       0.58
      639        1.89      203.13     638.96     -4.1         0.4       2.74     1.49
      670         1.9      209.71     669.94     -5.02      -0.05       3.72     0.7
      701        2.22       214.9     700.92     -5.96      -0.65       4.82     1.19
      731        2.75       217.43     730.89       -7        -1.42       6.11     1.8
      762        3.36       215.52     761.85     -8.33       -2.4       7.75     1.99
      793        3.56       214.18     792.79     -9.87      -3.47       9.61     0.7
      823        3.89       216.79     822.73    -11.45       -4.6     11.54     1.24
      854        4.22       216.07     853.65    -13.22       -5.9     13.72     1.08
      885        4.88       220.73     884.55    -15.14      -7.44     16.17     2.44
      916        5.32       221.26     915.43    -17.22      -9.24     18.93     1.43
      948        5.98       224.11     947.28    -19.53    -11.38     22.08     2.24
      979        6.42       226.15     978.09    -21.89    -13.76     25.42     1.59
     1011        6.92       227.58    1009.88    -24.43    -16.47     29.13     1.65
     1042        7.26       228.66    1040.64    -26.98    -19.32     32.94     1.18
     1074         8         226.81    1072.36    -29.84    -22.46     37.17     2.44

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1106	8.7	226.81	1104.02	-33.02	-25.85	41.8	2.19
1137	9.58	225.98	1134.62	-36.42	-29.41	46.72	2.87
1169	9.8	226.26	1166.17	-40.16	-33.3	52.09	0.7
1201	10.17	227.08	1197.68	-43.96	-37.33	57.63	1.24
1233	10.55	227.72	1229.16	-47.86	-41.57	63.36	1.24
1264	11.12	229.91	1259.61	-51.69	-45.96	69.15	2.27
1296	11.43	228.37	1290.99	-55.78	-50.69	75.37	1.35
1328	11.87	227.89	1322.33	-60.1	-55.5	81.8	1.41
1359	12.26	225.5	1352.65	-64.54	-60.21	88.27	2.04
1391	12.35	223.4	1383.91	-69.41	-64.98	95.08	1.43
1486	11.87	220.35	1476.8	-84.24	-78.29	115	0.84
1581	11.54	216.29	1569.82	-99.34	-90.24	134.21	0.93
1677	11.47	219.85	1663.9	-114.41	-102.04	153.29	0.74
1772	11.95	224.22	1756.92	-128.71	-114.95	172.55	1.06
1867	12.26	222.95	1849.81	-143.14	-128.69	192.47	0.43
1962	11.98	217.08	1942.69	-158.39	-141.5	212.37	1.33
2058	12.04	218.33	2036.59	-174.2	-153.72	232.27	0.28
2152	12.3	222	2128.48	-189.33	-166.5	252.06	0.87
2247	12.33	222.24	2221.3	-204.36	-180.09	272.32	0.06
2342	11.36	224.2	2314.27	-218.58	-193.43	291.81	1.11
2438	11.06	223.06	2408.44	-232.08	-206.31	310.47	0.39
2533	11.91	226.29	2501.54	-245.51	-219.62	329.37	1.12
2627	12.33	223.01	2593.44	-259.56	-233.48	349.09	0.86
2722	13.23	218.2	2686.09	-275.52	-247.12	370.07	1.47
2817	13.71	219.52	2778.48	-292.74	-261	392.15	0.6
2913	12.33	212.84	2872.01	-310.13	-273.8	413.61	2.12
3008	11.4	209.61	2964.99	-326.82	-283.94	432.75	1.2
3103	13.14	221.17	3057.83	-343.11	-295.69	452.69	3.16
3198	11.89	217.85	3150.57	-358.97	-308.81	473.24	1.52
3293	13.18	224.9	3243.31	-374.37	-322.46	493.82	2.1
3389	12.61	225.41	3336.89	-389.48	-337.65	515.22	0.61
3484	12.59	223.39	3429.6	-404.28	-352.15	535.93	0.46
3579	11.93	224.9	3522.43	-418.76	-366.19	556.1	0.77
3674	10.99	224.11	3615.54	-432.22	-379.42	574.96	1
3769	10.7	223.89	3708.84	-445.08	-391.84	592.83	0.31
3864	11.14	226.92	3802.12	-457.7	-404.66	610.8	0.76
3959	11.45	227.93	3895.28	-470.29	-418.36	629.34	0.39
4054	11.1	225.78	3988.45	-482.98	-431.91	647.86	0.58
4149	11.47	222.79	4081.61	-496.29	-444.88	666.44	0.73
4244	10.77	221.56	4174.83	-509.87	-457.19	684.76	0.78
4340	11.09	223.96	4269.09	-523.23	-469.55	702.96	0.58
4435	11.32	224.55	4362.27	-536.45	-482.43	721.41	0.27
4530	12.28	223.12	4455.27	-550.47	-495.88	740.84	1.06
4624	12.26	228.33	4547.12	-564.4	-510.17	760.76	1.18
4719	11.87	224.51	4640.02	-578.07	-524.55	780.57	0.94
4814	12.68	220.86	4732.85	-592.93	-538.22	800.75	1.18
4909	12.59	223.28	4825.55	-608.35	-552.14	821.53	0.57

5004	12.06	223.94	4918.36	-623.03	-566.13	841.8	0.58
5099	10.94	222.33	5011.45	-636.84	-579.08	860.74	1.23
5195	10.9	223.54	5105.72	-650.16	-591.47	878.93	0.24
5290	11.69	222.53	5198.88	-663.76	-604.16	897.53	0.86
5385	11.38	221.39	5291.96	-677.89	-616.87	916.53	0.41
5480	11.82	225.5	5385.02	-691.74	-630	935.61	0.99
5575	10.77	224.53	5478.18	-704.88	-643.17	954.2	1.12
5670	9.78	223.28	5571.65	-717.09	-654.93	971.14	1.07
5765	8.96	222.44	5665.38	-728.42	-665.45	986.61	0.88
5845	7.95	222.75	5744.51	-737.08	-673.41	998.37	1.26
5900	7.95	222.75	5798.99	-742.67	-678.57	1005.98	0