

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-45555	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Castle Draw	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: Castle Draw State N-2-9-17	
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: SE/NW 1977' FNL 1965' FWL AT PROPOSED PRODUCING ZONE: 2585' FNL 1330' FWL 587370x 44349144 40.061846 -109.975560 587179x 44347284 40.060188 -109.977822				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/W 2 9S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 15.2 miles southeast of Myton, Utah				12. COUNTY: Duchesne Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx, 1330' f/lse line, 1330' f/unit line		16. NUMBER OF ACRES IN LEASE: 640.20 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1255'		19. PROPOSED DEPTH: 6,055		20. BOND DESCRIPTION: Hartford Accident #4471291	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5049' GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: (7) days from SPUD to rig release	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,055	Lead(Prem Lite II)	275 sx +/-	3.26	11.0
					Tail (50/50 Poz)	450 sx +/-	1.24	14.3

25. **ATTACHMENTS**

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

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

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE *Mandie Crozier* DATE _____

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

RECEIVED
NOV 24 2008

DIV. OF OIL, GAS & MINING

111

NEWFIELD PRODUCTION COMPANY
CASTLE DRAW STATE N-2-9-17
SE/NW SECTION 2, T9S, R17E
UINTAH 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 – 1381'
Green River	1381'
Wasatch	6055'

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

Green River Formation 1381' – 6055' – 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:

16 0' with 12 1/2"
2 @ w/ 9" + T3772
4974

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

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

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

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

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

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBSD to cement top. No drill stem testing or coring is planned for this well.

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

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

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

It is anticipated that the drilling operations will commence the first quarter of 2009, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
CASTLE DRAW STATE N-2-9-17
SE/NW SECTION 2, T9S, R17E
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Castle Draw State N-2-9-17 located in the SE ¼ NW ¼ Section 2, T9S, R17E, S.L.B. & M., Uintah 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 - 11.6 miles ± to its junction with an existing road to the northeast; proceed northeasterly - 1.4 miles ± to its junction with an existing road to the southeast; proceed southeasterly - 0.6 miles ± to its junction with an existing road to the northeast; proceed northeasterly - 0.2 miles ± to the beginning of the access road to the existing Mon. State 22-2-9-17 well location.

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

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled off of the existing Mon. State 22-2-9-17 well pad. See attached **Topographic Map "B"**.

There will be no new gates or cattle guards required.

3. LOCATION OF EXISTING WELLS

Refer to **EXHIBIT B**.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the existing Mon. State 22-2-9-17 well pad.

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

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

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

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

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

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Castle Draw State N-2-9-17 will be drilled off of the existing Mon. State 22-2-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

A portable toilet will be provided for human waste.

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

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

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

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

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

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

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

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

a) **Producing Location**

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

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

b) **Dry Hole Abandoned Location**

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

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

12. **OTHER ADDITIONAL INFORMATION:**

- 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 Castle Draw State N-2-9-17, 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 Castle Draw State N-2-9-17 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

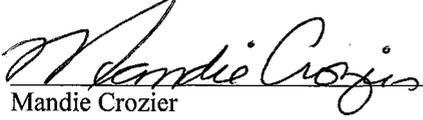
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

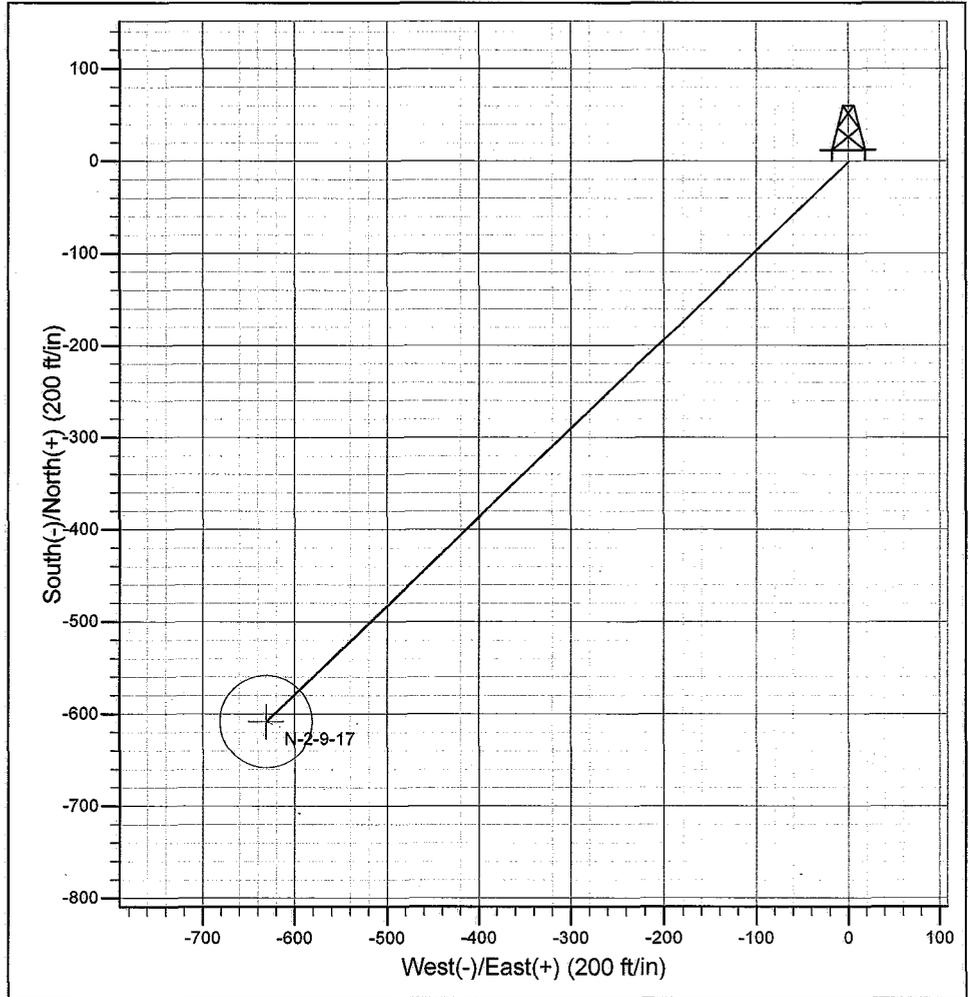
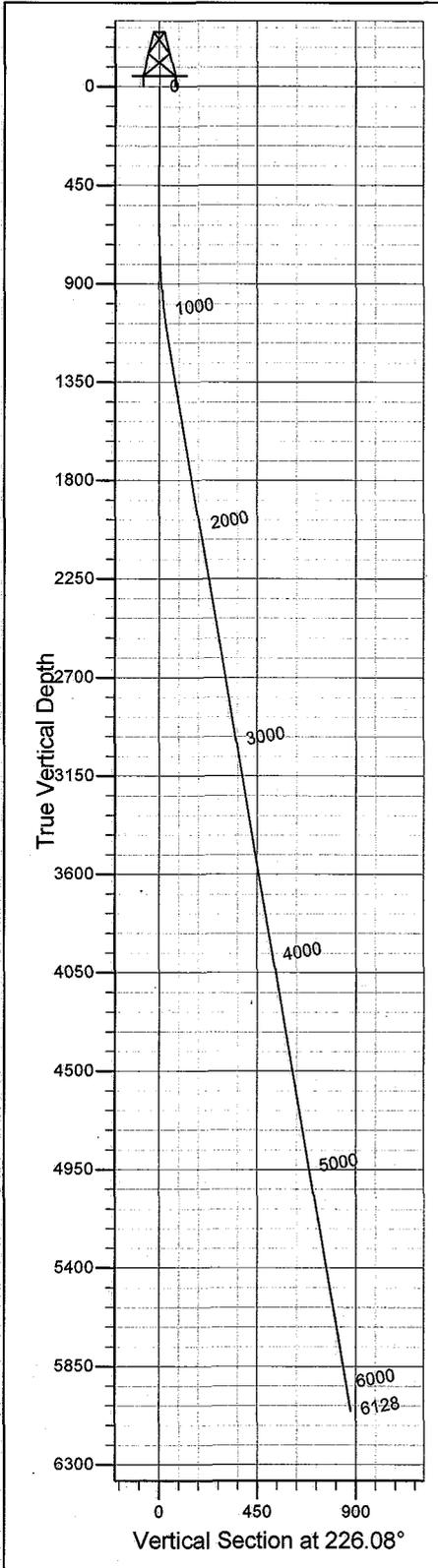
Please be advised that Newfield Production Company is considered to be the operator of well #N-2-9-17, SE/NW Section 2, T9S, R17E, LEASE #ML-45555, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided 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.

11/20/08
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

Project: Monument Butte
Site: Castle Draw N-2-9-17
Well: Castle Draw N-2-9-17
Wellbore: Wellbore #1
Design: Design #1



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1246.3	9.69	226.08	1243.2	-37.8	-39.3	1.50	226.08	54.5	
4	6127.8	9.69	226.08	6055.0	-608.0	-631.4	0.00	0.00	876.5	N-2-9-17

PROJECT DETAILS: Monument Butte

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



Azimuths to True North
 Magnetic North: 11.60°

Magnetic Field
 Strength: 52575.9snT
 Dip Angle: 65.90°
 Date: 11/21/2008
 Model: IGRF200510

Created by: Hans Wychgram
Date: 11-20-2008



Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Castle Draw N-2-9-17
Well: Castle Draw N-2-9-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Castle Draw N-2-9-17
TVD Reference: RKB @ 5061.0ft (NDSI #2)
MD Reference: RKB @ 5061.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

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

Site	Castle Draw N-2-9-17				
Site Position:		Northing:	2,193,001.42m	Latitude:	40° 3' 42.530 N
From:	Lat/Long	Easting:	629,982.82m	Longitude:	109° 58' 34.510 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	0.98 °

Well	Castle Draw N-2-9-17					
Well Position	+N/-S	0.0 ft	Northing:	2,193,001.42 m	Latitude:	40° 3' 42.530 N
	+E/-W	0.0 ft	Easting:	629,982.82 m	Longitude:	109° 58' 34.510 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,049.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/21/2008	11.60	65.90	52,576

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	226.08	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,246.3	9.69	226.08	1,243.2	-37.8	-39.3	1.50	1.50	0.00	226.08	
6,127.8	9.69	226.08	6,055.0	-608.0	-631.4	0.00	0.00	0.00	0.00	N-2-9-17



Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Castle Draw N-2-9-17
Well: Castle Draw N-2-9-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Castle Draw N-2-9-17
TVD Reference: RKB @ 5061.0ft (NDSI #2)
MD Reference: RKB @ 5061.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	226.08	700.0	-0.9	-0.9	1.3	1.50	1.50	0.00
800.0	3.00	226.08	799.9	-3.6	-3.8	5.2	1.50	1.50	0.00
900.0	4.50	226.08	899.7	-8.2	-8.5	11.8	1.50	1.50	0.00
1,000.0	6.00	226.08	999.3	-14.5	-15.1	20.9	1.50	1.50	0.00
1,100.0	7.50	226.08	1,098.6	-22.7	-23.5	32.7	1.50	1.50	0.00
1,200.0	9.00	226.08	1,197.5	-32.6	-33.9	47.0	1.50	1.50	0.00
1,246.3	9.69	226.08	1,243.2	-37.8	-39.3	54.5	1.50	1.50	0.00
1,300.0	9.69	226.08	1,296.2	-44.1	-45.8	63.6	0.00	0.00	0.00
1,400.0	9.69	226.08	1,394.7	-55.8	-57.9	80.4	0.00	0.00	0.00
1,500.0	9.69	226.08	1,493.3	-67.5	-70.1	97.3	0.00	0.00	0.00
1,600.0	9.69	226.08	1,591.9	-79.1	-82.2	114.1	0.00	0.00	0.00
1,700.0	9.69	226.08	1,690.4	-90.8	-94.3	130.9	0.00	0.00	0.00
1,800.0	9.69	226.08	1,789.0	-102.5	-106.4	147.8	0.00	0.00	0.00
1,900.0	9.69	226.08	1,887.6	-114.2	-118.6	164.6	0.00	0.00	0.00
2,000.0	9.69	226.08	1,986.2	-125.9	-130.7	181.5	0.00	0.00	0.00
2,100.0	9.69	226.08	2,084.7	-137.6	-142.8	198.3	0.00	0.00	0.00
2,200.0	9.69	226.08	2,183.3	-149.2	-155.0	215.1	0.00	0.00	0.00
2,300.0	9.69	226.08	2,281.9	-160.9	-167.1	232.0	0.00	0.00	0.00
2,400.0	9.69	226.08	2,380.4	-172.6	-179.2	248.8	0.00	0.00	0.00
2,500.0	9.69	226.08	2,479.0	-184.3	-191.4	265.7	0.00	0.00	0.00
2,600.0	9.69	226.08	2,577.6	-196.0	-203.5	282.5	0.00	0.00	0.00
2,700.0	9.69	226.08	2,676.2	-207.6	-215.6	299.3	0.00	0.00	0.00
2,800.0	9.69	226.08	2,774.7	-219.3	-227.7	316.2	0.00	0.00	0.00
2,900.0	9.69	226.08	2,873.3	-231.0	-239.9	333.0	0.00	0.00	0.00
3,000.0	9.69	226.08	2,971.9	-242.7	-252.0	349.8	0.00	0.00	0.00
3,100.0	9.69	226.08	3,070.5	-254.4	-264.1	366.7	0.00	0.00	0.00
3,200.0	9.69	226.08	3,169.0	-266.0	-276.3	383.5	0.00	0.00	0.00
3,300.0	9.69	226.08	3,267.6	-277.7	-288.4	400.4	0.00	0.00	0.00
3,400.0	9.69	226.08	3,366.2	-289.4	-300.5	417.2	0.00	0.00	0.00
3,500.0	9.69	226.08	3,464.7	-301.1	-312.6	434.0	0.00	0.00	0.00
3,600.0	9.69	226.08	3,563.3	-312.8	-324.8	450.9	0.00	0.00	0.00
3,700.0	9.69	226.08	3,661.9	-324.4	-336.9	467.7	0.00	0.00	0.00
3,800.0	9.69	226.08	3,760.5	-336.1	-349.0	484.6	0.00	0.00	0.00
3,900.0	9.69	226.08	3,859.0	-347.8	-361.2	501.4	0.00	0.00	0.00
4,000.0	9.69	226.08	3,957.6	-359.5	-373.3	518.2	0.00	0.00	0.00
4,100.0	9.69	226.08	4,056.2	-371.2	-385.4	535.1	0.00	0.00	0.00
4,200.0	9.69	226.08	4,154.7	-382.8	-397.5	551.9	0.00	0.00	0.00
4,300.0	9.69	226.08	4,253.3	-394.5	-409.7	568.8	0.00	0.00	0.00
4,400.0	9.69	226.08	4,351.9	-406.2	-421.8	585.6	0.00	0.00	0.00
4,500.0	9.69	226.08	4,450.5	-417.9	-433.9	602.4	0.00	0.00	0.00
4,600.0	9.69	226.08	4,549.0	-429.6	-446.1	619.3	0.00	0.00	0.00
4,700.0	9.69	226.08	4,647.6	-441.2	-458.2	636.1	0.00	0.00	0.00
4,800.0	9.69	226.08	4,746.2	-452.9	-470.3	652.9	0.00	0.00	0.00
4,900.0	9.69	226.08	4,844.7	-464.6	-482.5	669.8	0.00	0.00	0.00
5,000.0	9.69	226.08	4,943.3	-476.3	-494.6	686.6	0.00	0.00	0.00
5,100.0	9.69	226.08	5,041.9	-488.0	-506.7	703.5	0.00	0.00	0.00
5,200.0	9.69	226.08	5,140.5	-499.6	-518.8	720.3	0.00	0.00	0.00



Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Castle Draw N-2-9-17
Well: Castle Draw N-2-9-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Castle Draw N-2-9-17
TVD Reference: RKB @ 5061.0ft (NDSI #2)
MD Reference: RKB @ 5061.0ft (NDSI #2)
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)
5,300.0	9.69	226.08	5,239.0	-511.3	-531.0	737.1	0.00	0.00	0.00
5,400.0	9.69	226.08	5,337.6	-523.0	-543.1	754.0	0.00	0.00	0.00
5,500.0	9.69	226.08	5,436.2	-534.7	-555.2	770.8	0.00	0.00	0.00
5,600.0	9.69	226.08	5,534.8	-546.4	-567.4	787.7	0.00	0.00	0.00
5,700.0	9.69	226.08	5,633.3	-558.0	-579.5	804.5	0.00	0.00	0.00
5,800.0	9.69	226.08	5,731.9	-569.7	-591.6	821.3	0.00	0.00	0.00
5,900.0	9.69	226.08	5,830.5	-581.4	-603.7	838.2	0.00	0.00	0.00
6,000.0	9.69	226.08	5,929.0	-593.1	-615.9	855.0	0.00	0.00	0.00
6,100.0	9.69	226.08	6,027.6	-604.8	-628.0	871.9	0.00	0.00	0.00
6,127.8	9.69	226.08	6,055.0	-608.0	-631.4	876.5	0.00	0.00	0.00

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

CASTLE DRAW N-2-9-17 (Proposed Well)

CASTLE DRAW 22-2-9-17 (Existing Well)

Pad Location: SENW Section 2, T9S, R17E, S.L.B.&M.

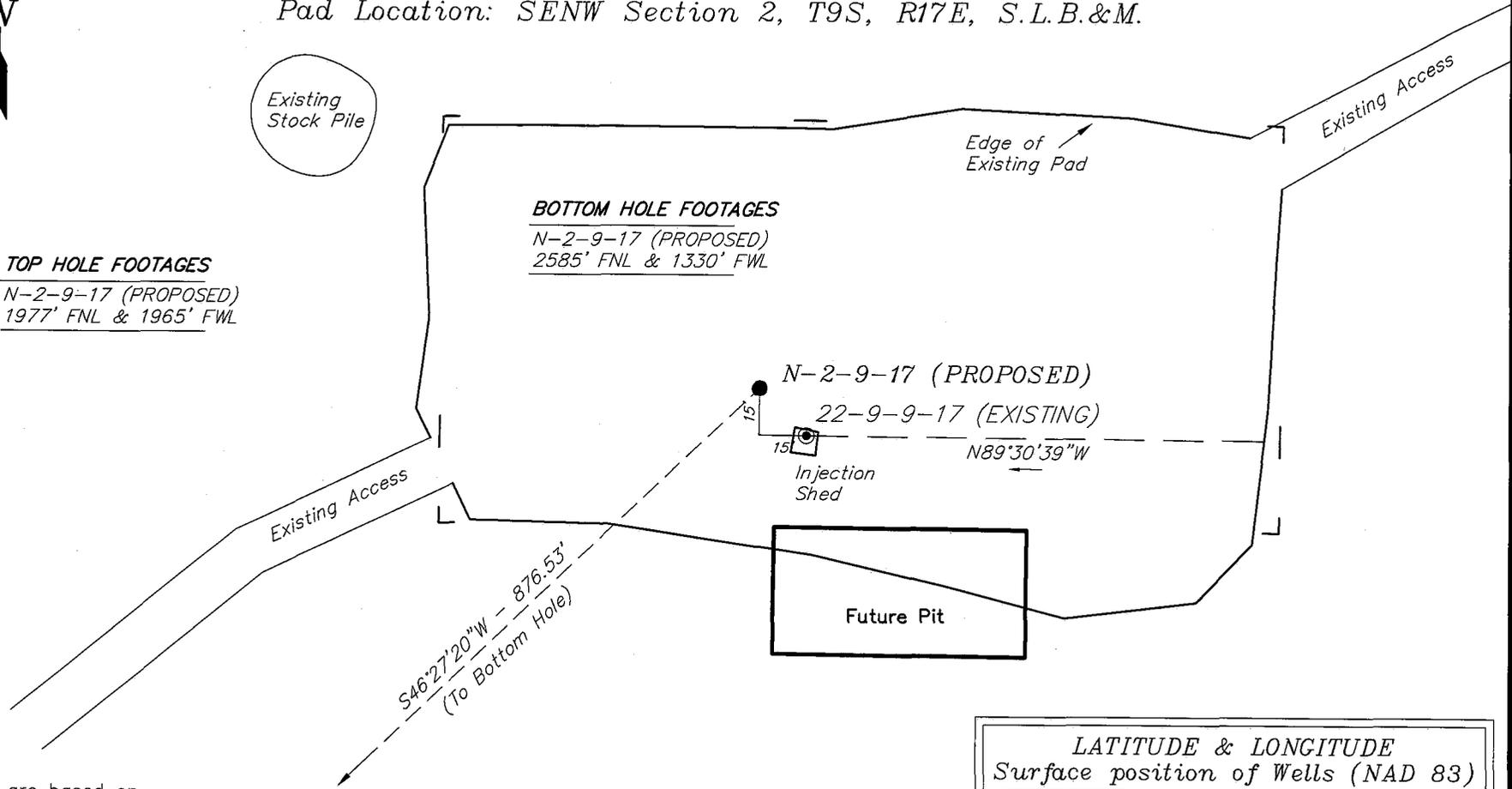


TOP HOLE FOOTAGES

N-2-9-17 (PROPOSED)
1977' FNL & 1965' FWL

BOTTOM HOLE FOOTAGES

N-2-9-17 (PROPOSED)
2585' FNL & 1330' FWL



Note:
Bearings are based on
GLO Information.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
N-2-9-17	604'	-635'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
N-2-9-17	40° 03' 42.53"	109° 58' 34.51"
22-2-9-17	40° 03' 42.38"	109° 58' 34.32"

SURVEYED BY: T.H.	DATE SURVEYED: 08-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-08
SCALE: 1" = 50'	REVISED:

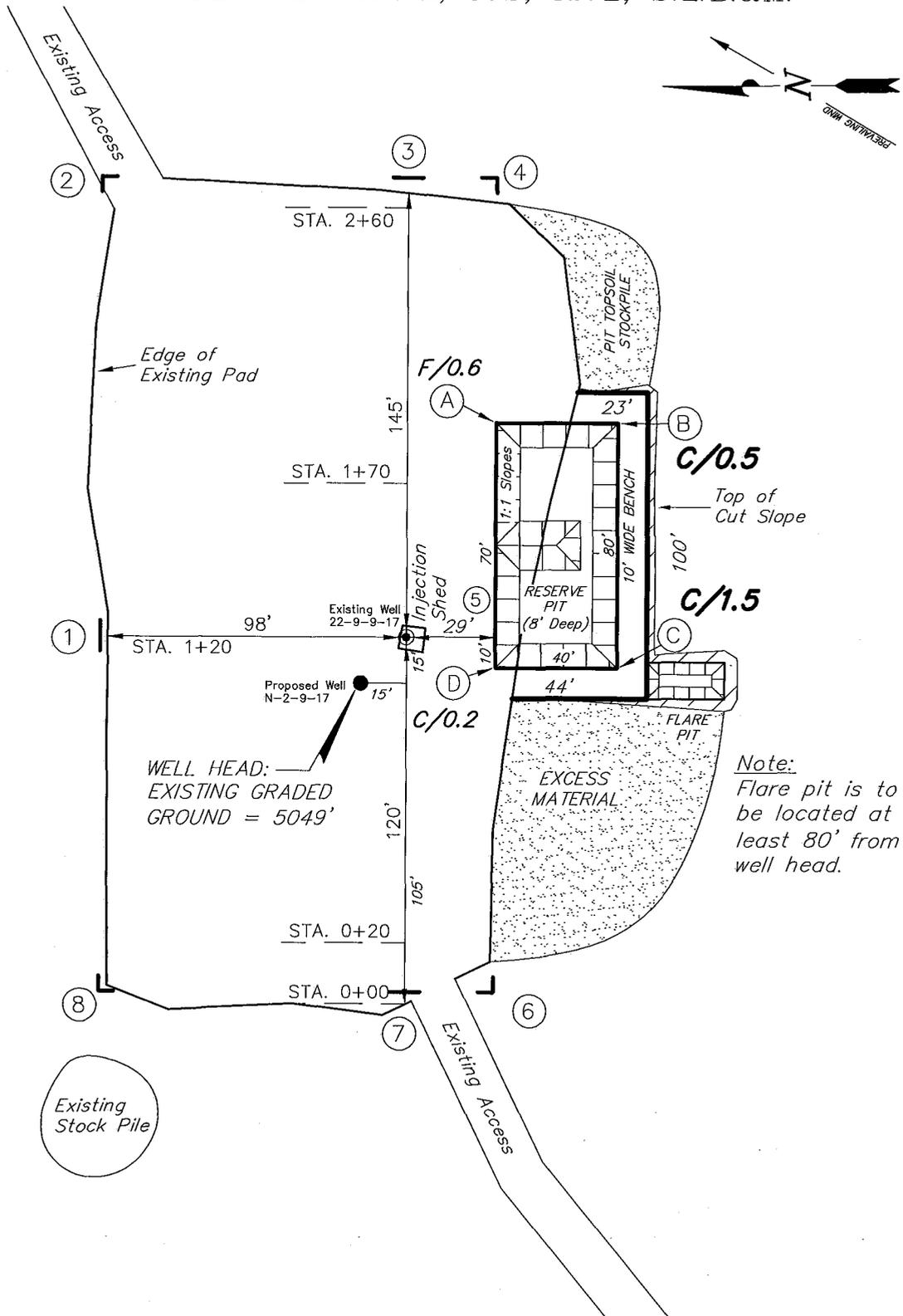
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CASTLE DRAW N-2-9-17 (Proposed Well)

CASTLE DRAW 22-2-9-17 (Existing Well)

Pad Location: SENW Section 2, T9S, R17E, S.L.B.&M.



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

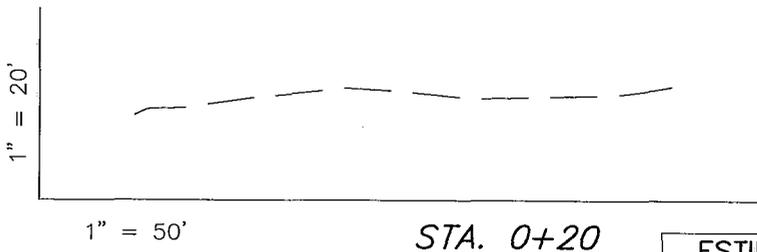
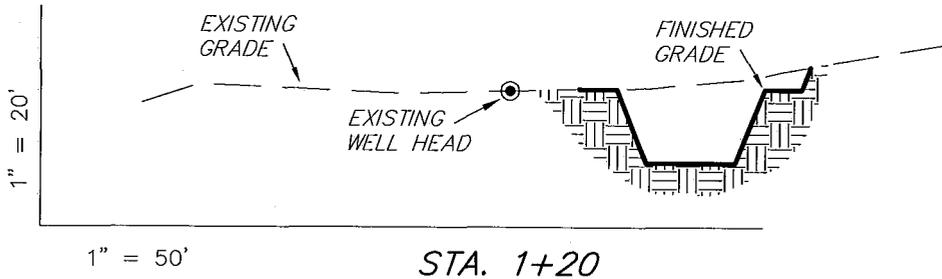
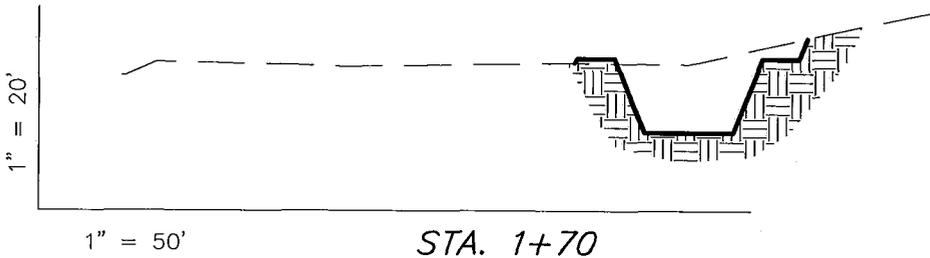
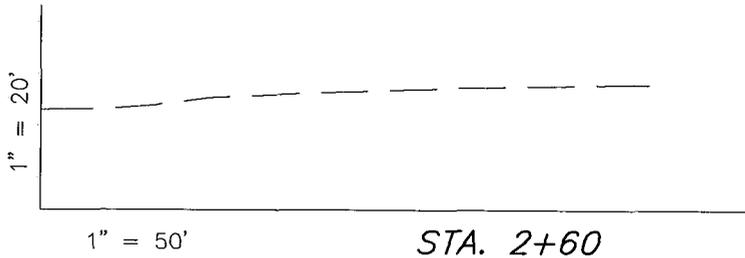
SURVEYED BY: T.H.	DATE SURVEYED: 08-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-08
SCALE: 1" = 50'	REVISED:

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 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

CASTLE DRAW N-2-9-17 (Proposed Well)
 CASTLE DRAW 22-2-9-17 (Existing Well)



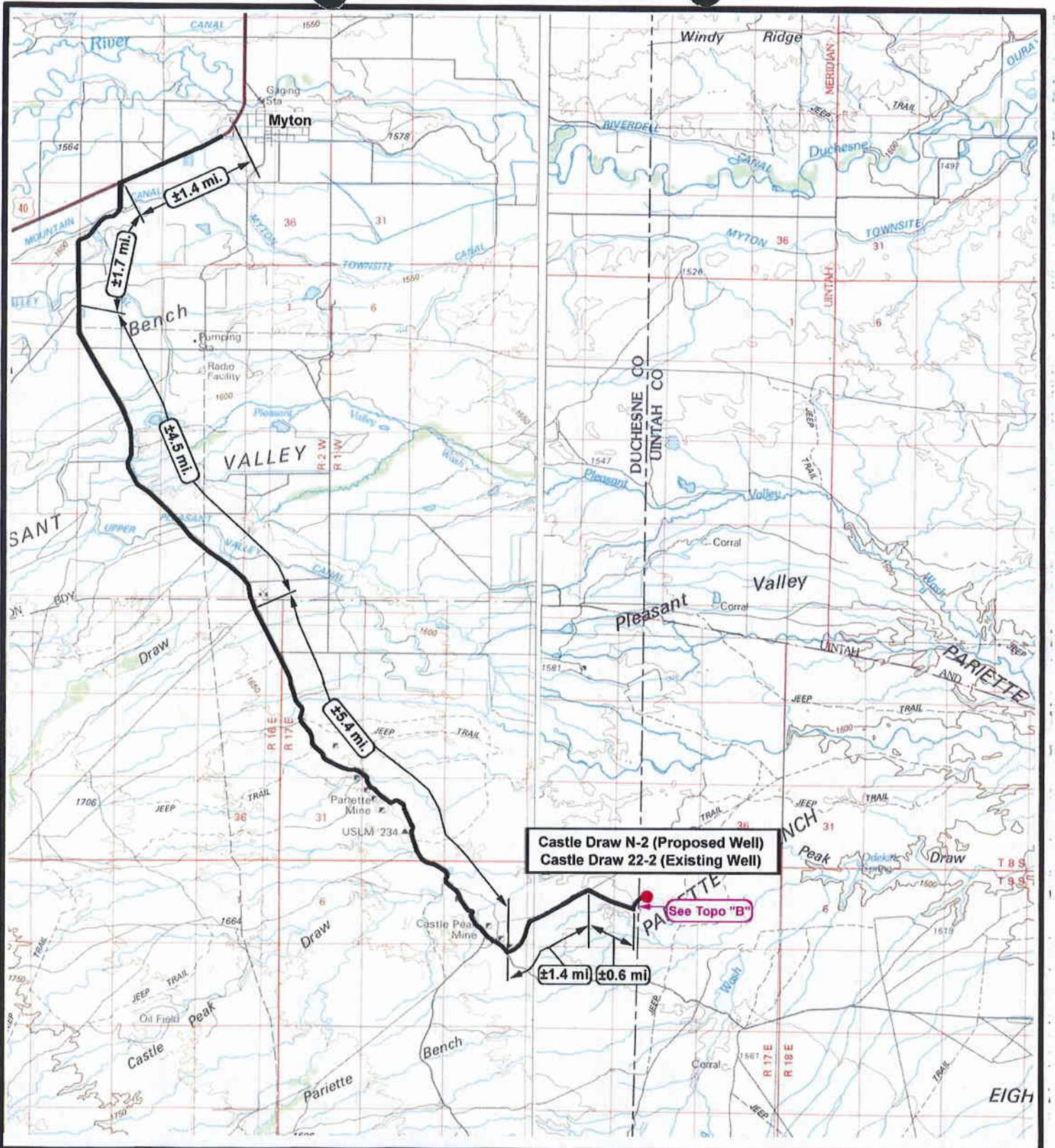
NOTE:
 UNLESS OTHERWISE NOTED
 CUT SLOPES ARE AT 1:1
 FILL SLOPES ARE AT 1.5:1

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	150	20	Topsoil is not included in Pad Cut	130
PIT	640	0		640
TOTALS	790	20	130	770

SURVEYED BY: T.H.	DATE SURVEYED: 08-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-08
SCALE: 1" = 50'	REVISED:

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Castle Draw N-2 (Proposed Well)
Castle Draw 22-2 (Existing Well)

See Topo "B"

NEWFIELD
Exploration Company

Castle Draw N-2-9-17 (Proposed Well)
Castle Draw 22-2-9-17 (Existing Well)
 Pad Location: SENW SEC. 2, T9S, R17E, S.L.B.&M.



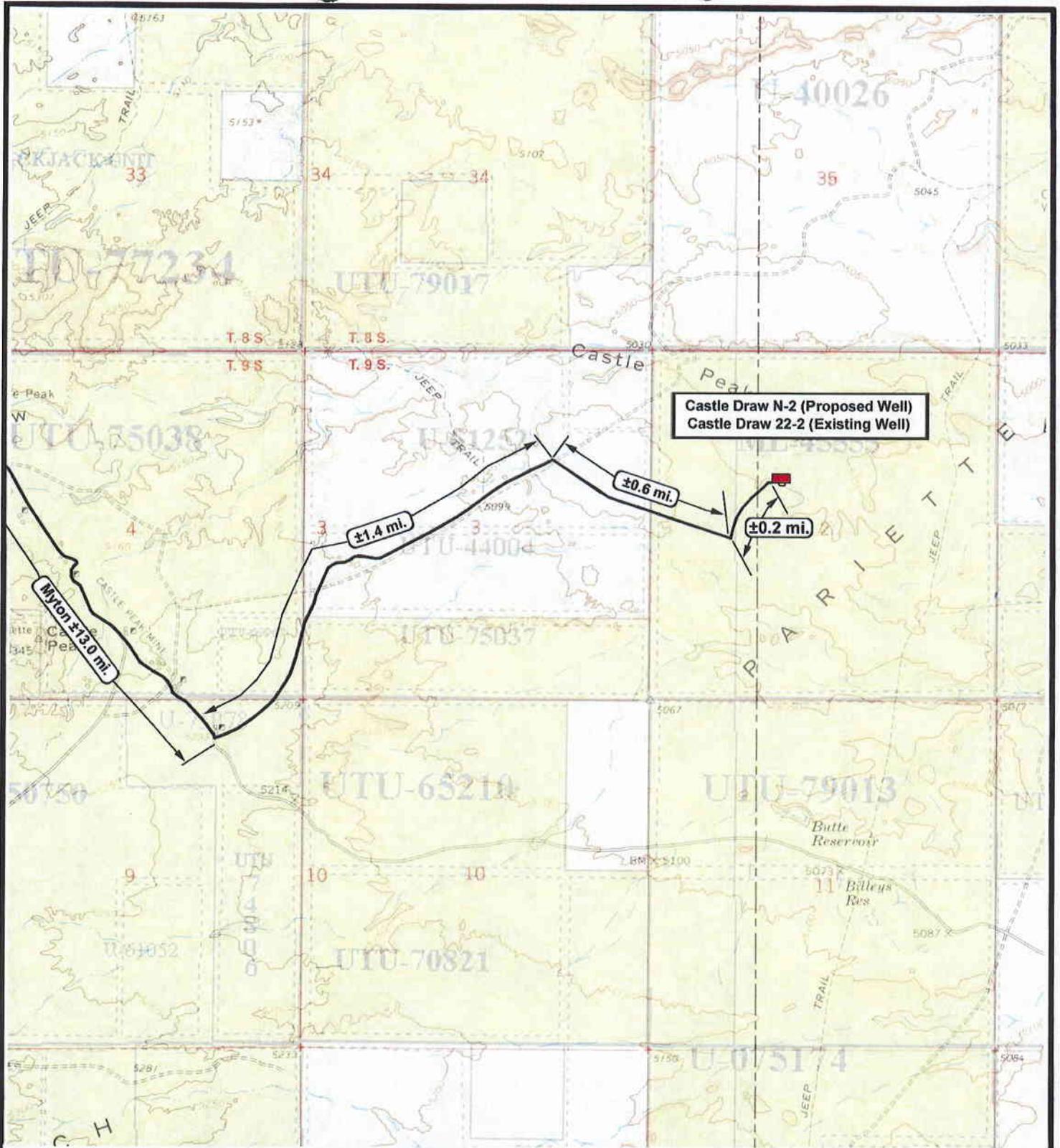
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: JAS
 DATE: 09-16-2008

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



Castle Draw N-2 (Proposed Well)
 Castle Draw 22-2 (Existing Well)



Castle Draw N-2-9-17 (Proposed Well)
Castle Draw 22-2-9-17 (Existing Well)
 Pad Location: SENW SEC. 2, T9S, R17E, S.L.B.&M.

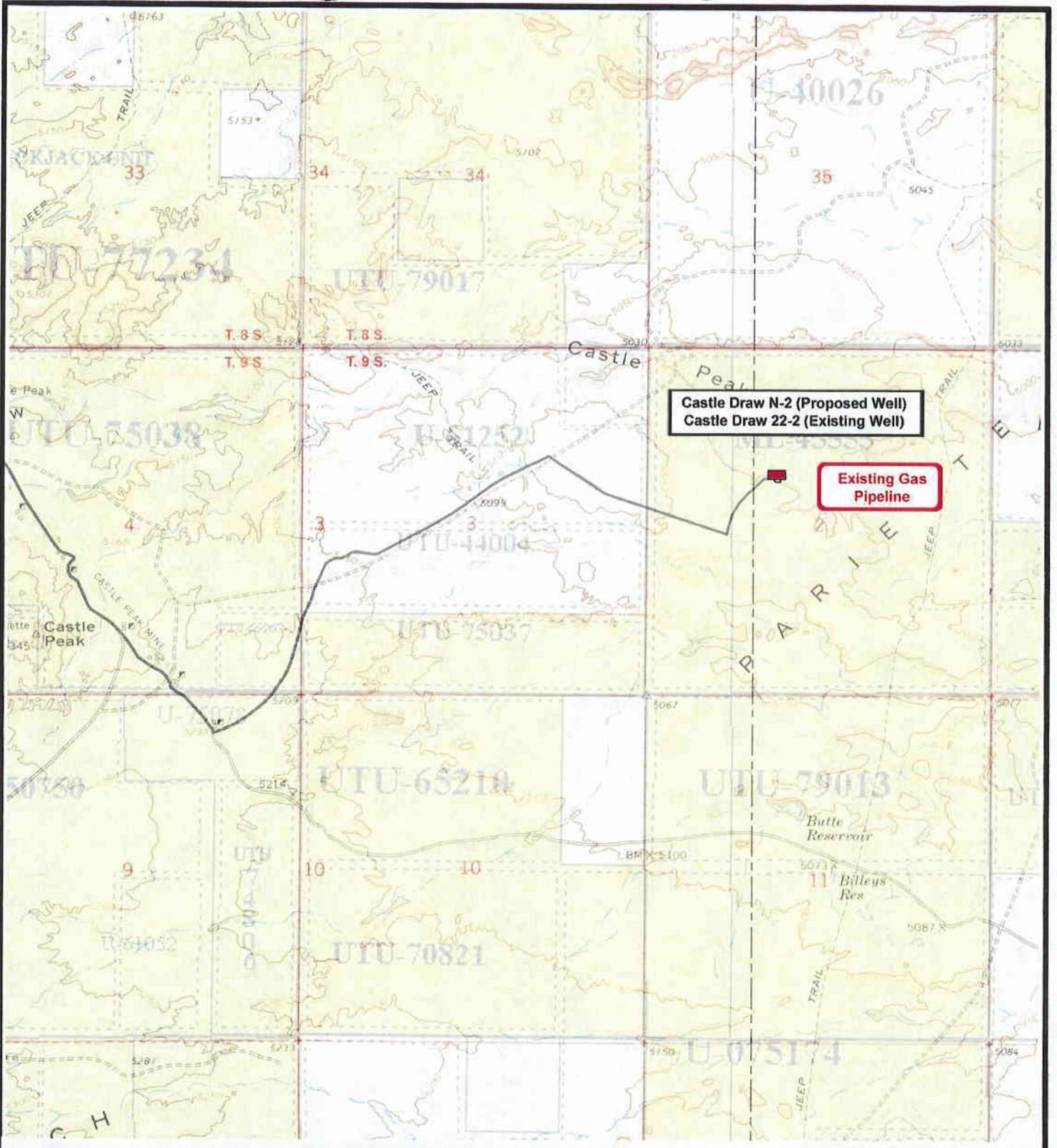


Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 09-16-2008

Legend	
	Existing Road
	Proposed Access

TOPOGRAPHIC MAP
"B"



 **NEWFIELD**
Exploration Company

Castle Draw N-2-9-17 (Proposed Well)
Castle Draw 22-2-9-17 (Existing Well)
 Pad Location: SENW SEC. 2, T9S, R17E, S.L.B.&M.



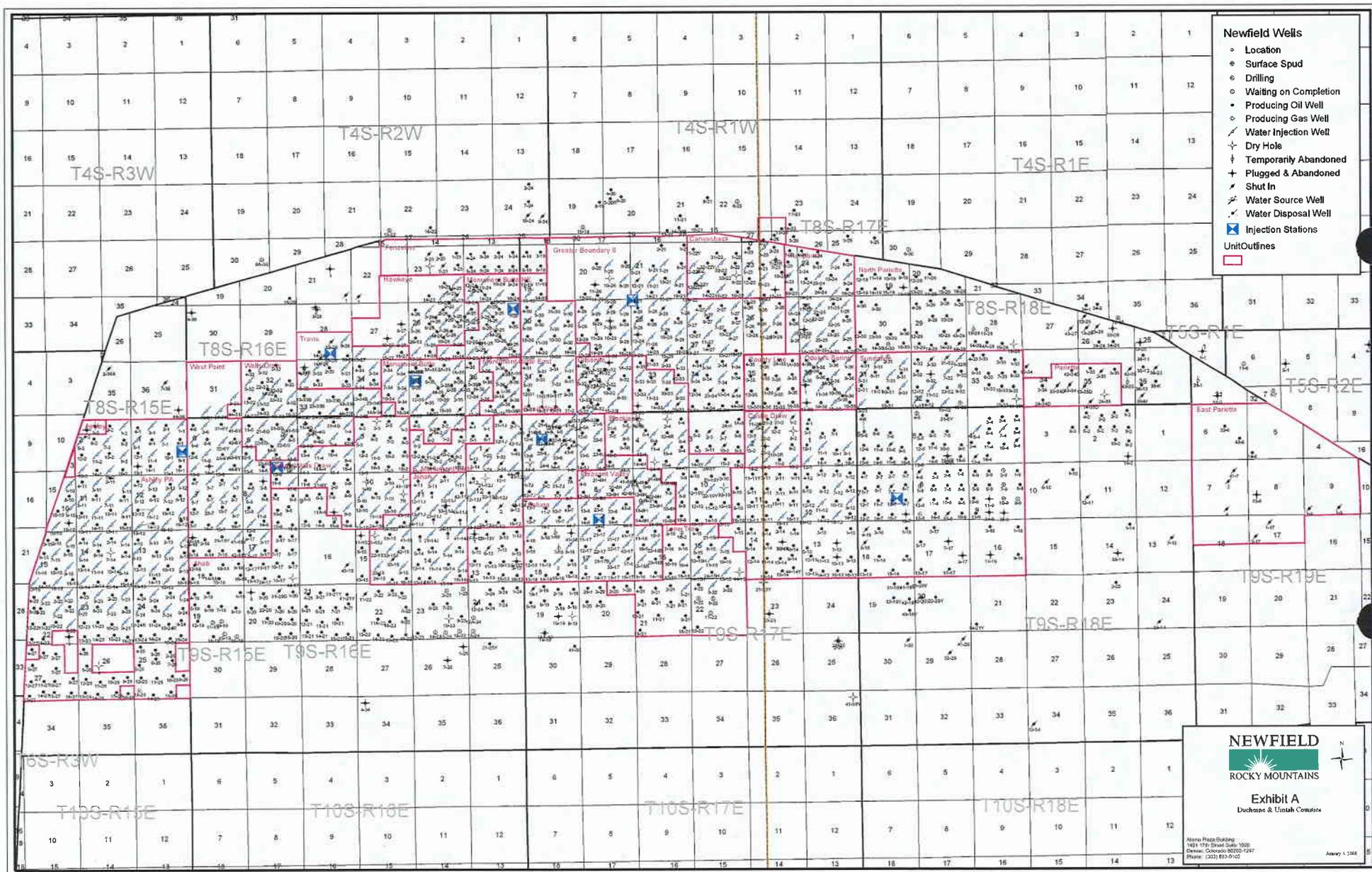

Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

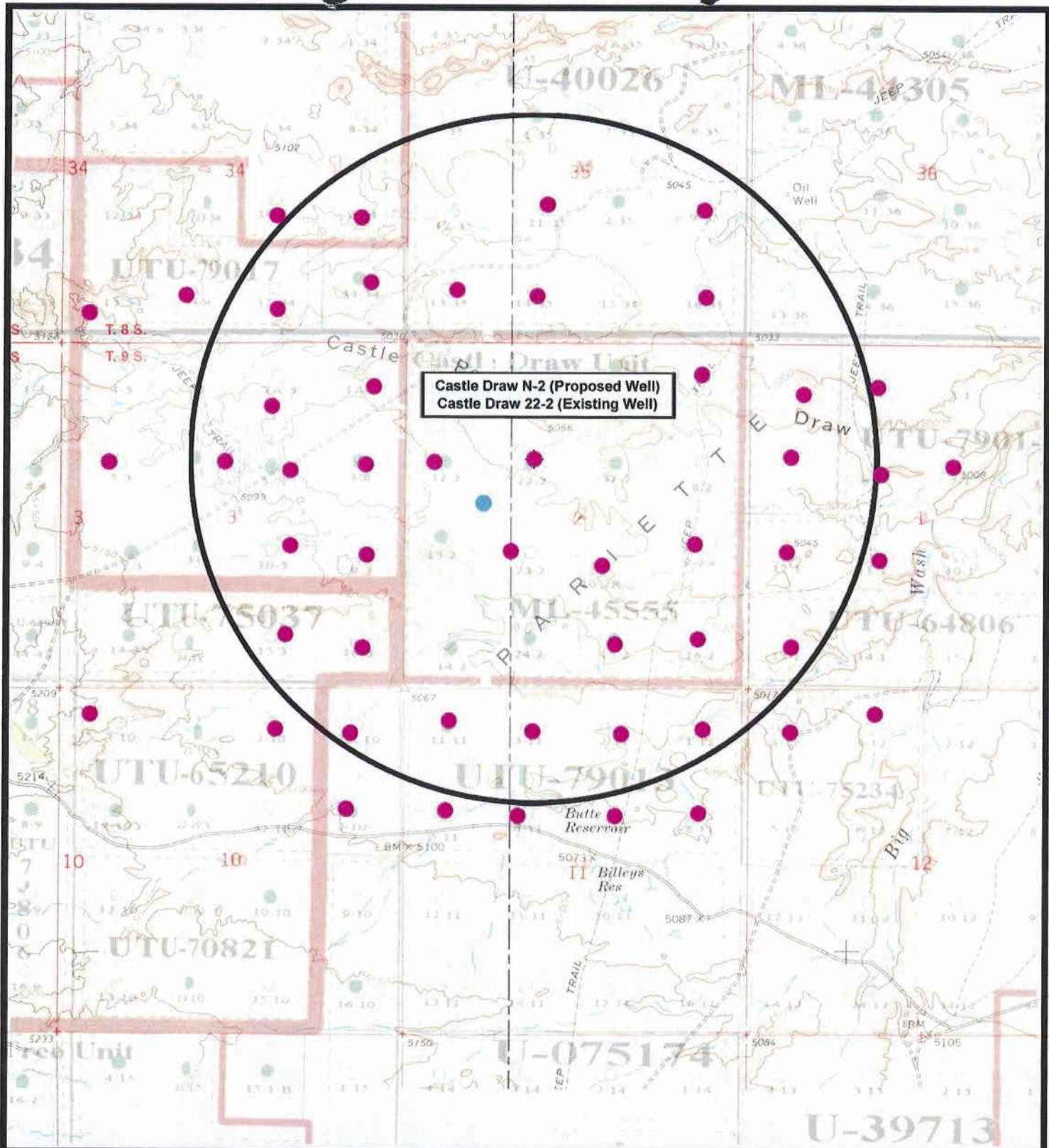
SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 09-16-2008

Legend

 Existing Roads

TOPOGRAPHIC MAP
"C"





NEWFIELD
Exploration Company

Castle Draw N-2-9-17 (Proposed Well)
Castle Draw 22-2-9-17 (Existing Well)
 Pad Location: SENW SEC. 2, 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: 09-16-2008

Legend

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

Exhibit "B"

2-M SYSTEM
Blowout Prevention Equipment Systems

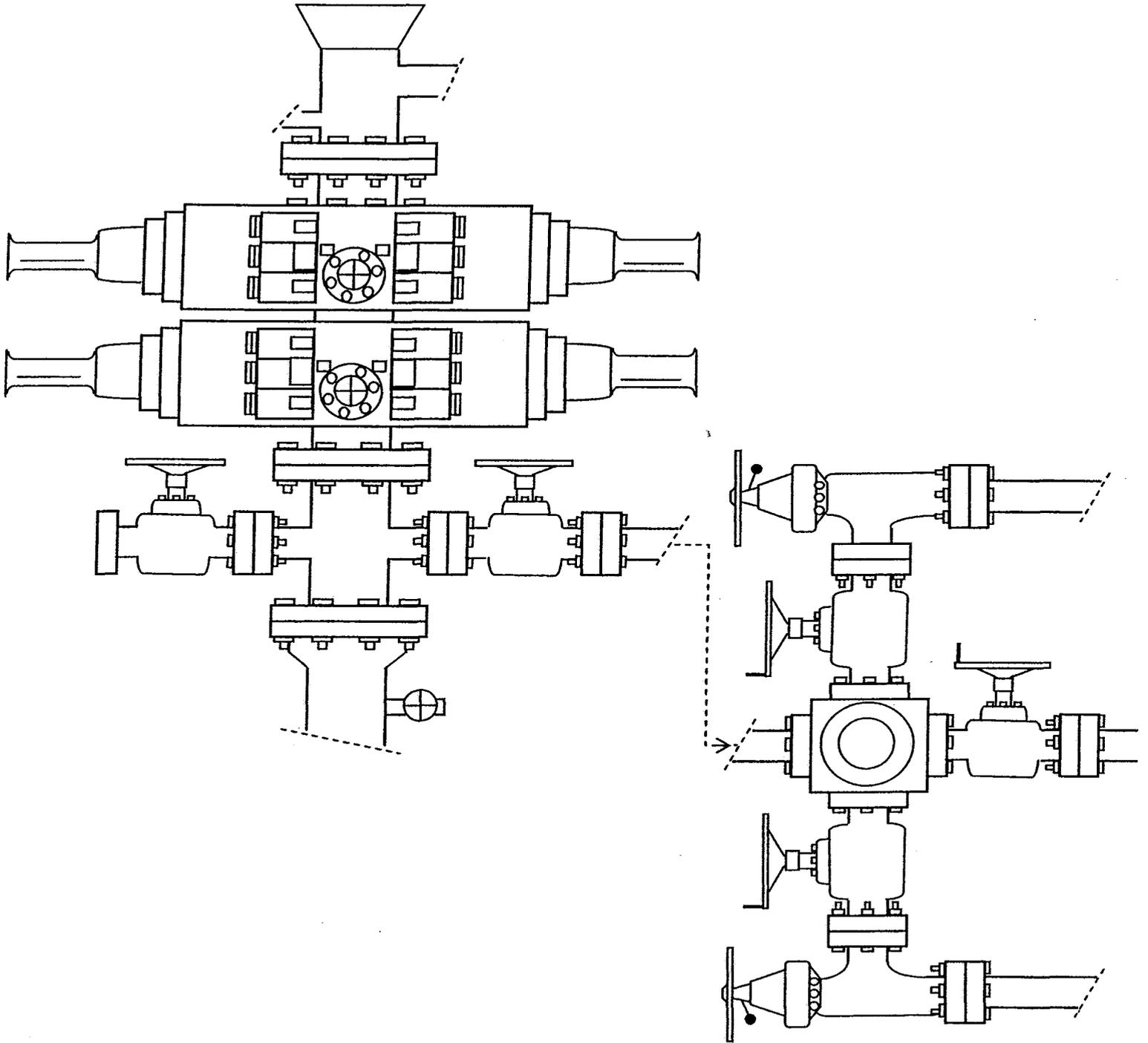


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/24/2008

API NO. ASSIGNED: 43-047-40534

WELL NAME: CASTLE DRAW ST N-2-9-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENW 02 090S 170E
 SURFACE: 1977 FNL 1965 FWL
 BOTTOM: 2585 FNL 1330 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.06185 LONGITUDE: -109.9756
 UTM SURF EASTINGS: 587370 NORTHINGS: 4434914
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	1/21/09
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-45555
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 6001834)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-7478)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: CASTLE DRAW * Enhanced Recovery
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 228-03(A)
Eff Date: 10-25-2006
Siting: Suspends General Siting
- R649-3-11. Directional Drill

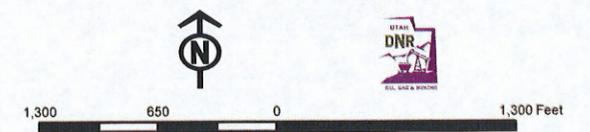
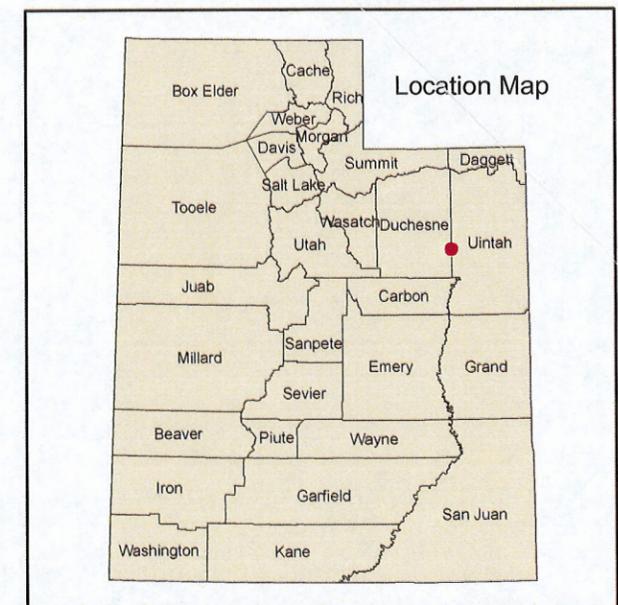
COMMENTS: Needs Permit (12-22-08)

STIPULATIONS: 1- STATEMENT OF BASIS

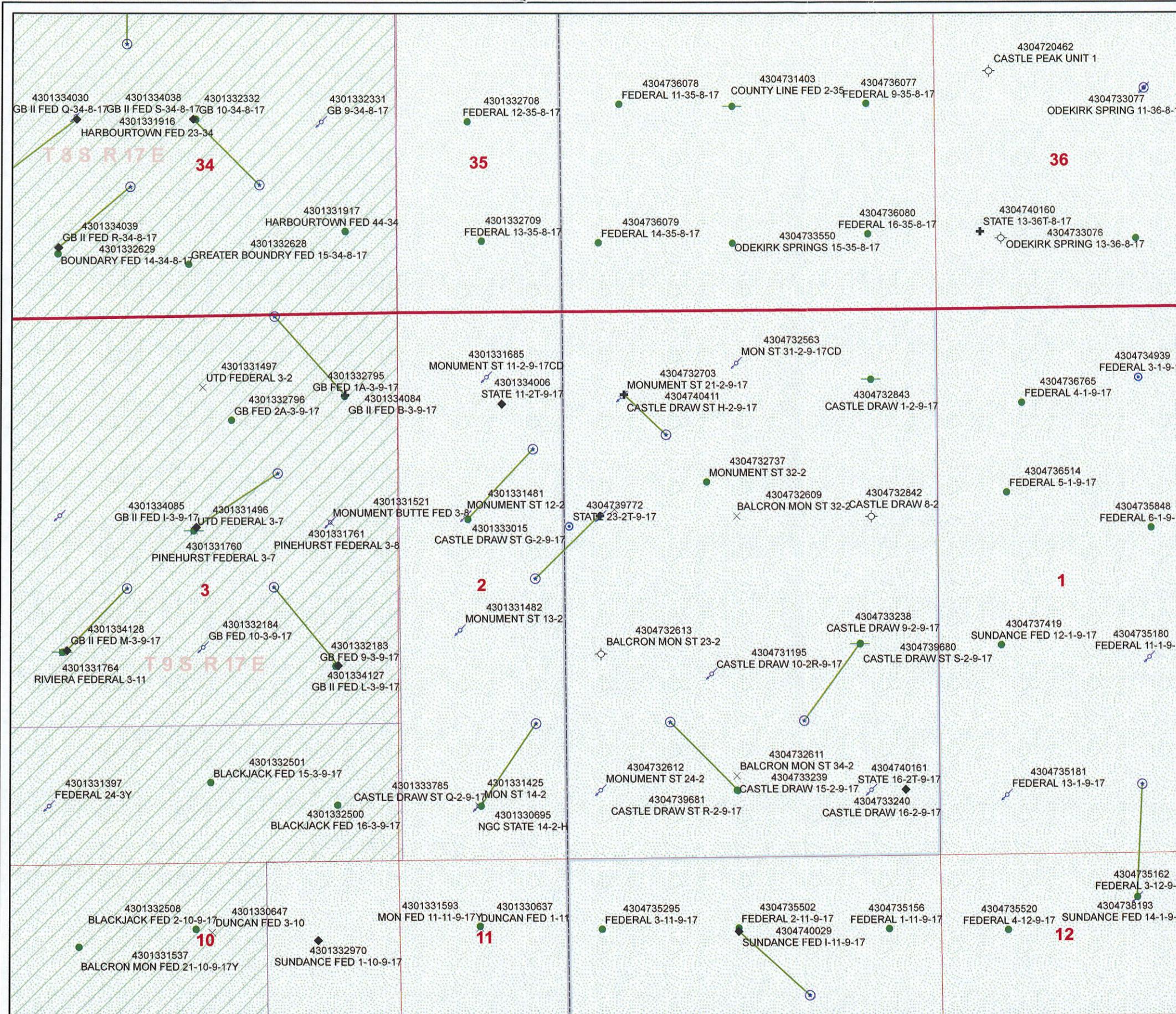
API Number: 4301334147 ^{DE DM} 2/4/09
Well Name: CASTLE DRAW ST N-2-9-17
Township 09.0 S Range 17.0 E Section 02
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

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



1:12,000



Application for Permit to Drill

Statement of Basis

12/23/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No 1207	API WellNo 43-047-40534	Status	Well Type OW	Surf Ownr S	CBM No
Operator	NEWFIELD PRODUCTION COMPANY	Surface Owner-APD			
Well Name	CASTLE DRAW ST N-2-9-17	Unit	CASTLE DRAW		
Field	MONUMENT BUTTE	Type of Work			
Location	SEW 2 9S 17E S 1977 FNL 1965 FWL GPS Coord (UTM) 587370E 4434914N				

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The the base of the moderately saline water at this location is estimated to be at a or near the surface. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 2. 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 programs should adequately protect ground water in the area.

Brad Hill
APD Evaluator

12/23/2008
Date / Time

Surface Statement of Basis

The proposed Castle Draw State N-2-9-17 oil well is a directional well to be drilled from the existing pad of the Castle Draw State 22-2-9-17 that is an existing water flood injection well. No changes to the previously disturbed area of the original pad are planned. The reserve pit will be re-dug near the original location in the southeast corner of the pad. The well is on a 20-acre spacing.

A field review of the existing pad showed no concerns as it now exists and should be suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and the minerals. They were invited to the pre-site visit but did not attend.

Pat Rainbolt and Ben Williams of the Utah Division of Wildlife resources attended the evaluation. They said the additional well should have no significant impacts on wildlife and occupying an existing location rather than disturbing a new area lessened impacts.

Floyd Bartlett
Onsite Evaluator

12/22/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name CASTLE DRAW ST N-2-9-17
API Number 43-047-40534 **APD No** 1207 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENW **Sec** 2 **Tw** 9S **Rng** 17E 1977 FNL 1965 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton and Brian Foote (Newfield) and Ben Williams and Tim Rainbolt (UDWR).

Regional/Local Setting & Topography

The proposed Castle Draw State N-2-9-17 oil well is a directional well to be drilled from the existing pad of the Castle Draw State 22-2-9-17 that is an existing water flood injection well. No changes to the previously disturbed area of the original pad are planned. The reserve pit will be re-dug near the original location in the southeast corner of the pad. The well is on a 20-acre spacing.

A field review of the existing pad showed no concerns as it now exists and should be suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and the minerals. They were invited to the pre-site visit but did not attend.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0	Width	Length	

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Existing well pad

Soil Type and Characteristics

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run?

Paleo Potential Observed? N

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 to 20

5

Affected Populations <10

0

Presence Nearby Utility Conduits Not Present

0

Final Score 45 1 **Sensitivity Level**

Characteristics / Requirements

A reserve pit will be re-dug in the original location. Its dimensions are 80' x 40' x 8' deep. A 16-mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 16

Pit Underlayment Required? Y

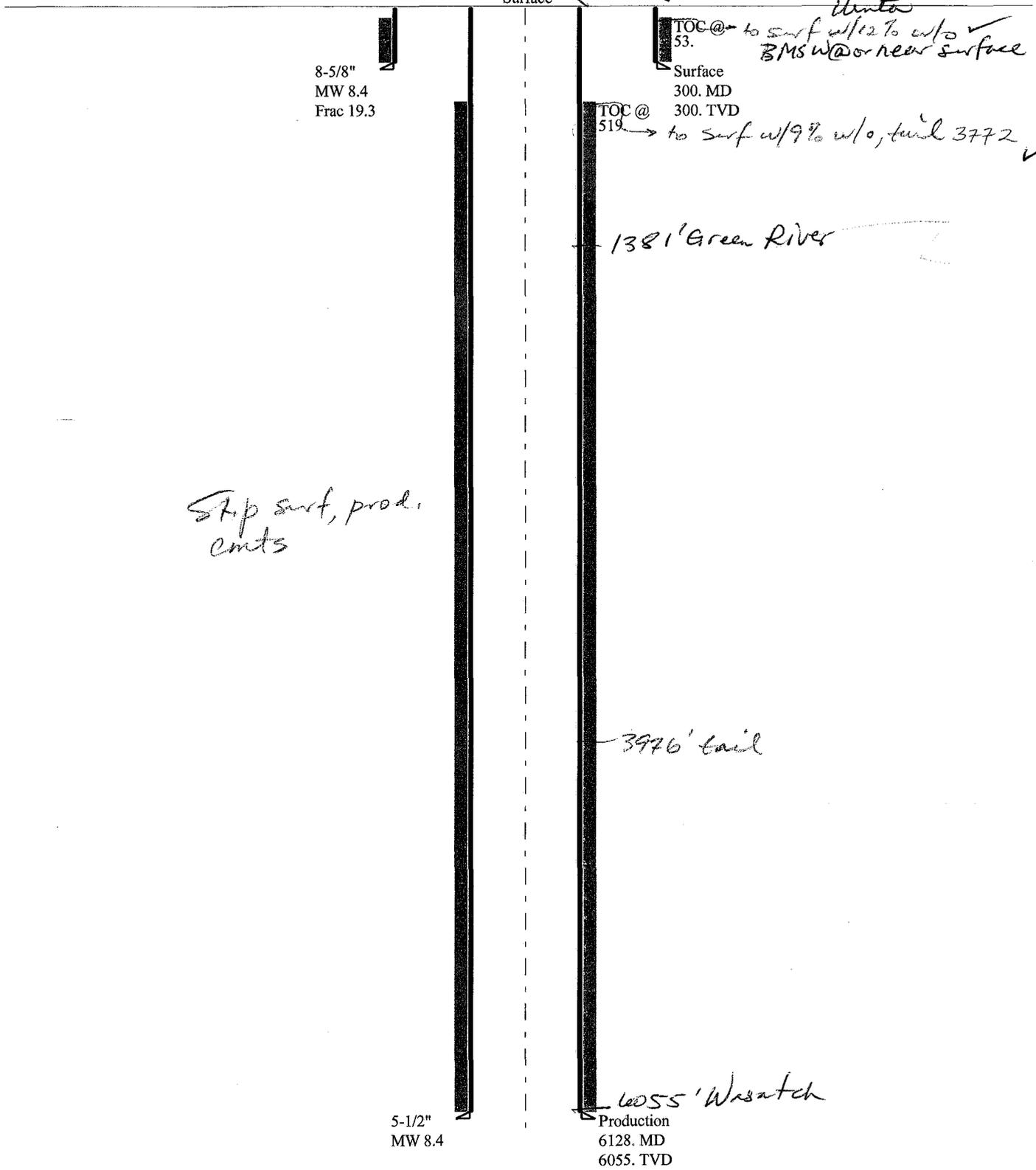
Other Observations / Comments

Floyd Bartlett
Evaluator

12/22/2008
Date / Time

43.047-405 3.4 Newfield Castle Draw ST N-2-9-17

Casing Schematic



8-5/8"
MW 8.4
Frac 19.3

Surface

12 1/2'

18 1/2'

TOC @ 53. → to surf w/12% w/o ✓
BMSW @ or near surface

Surface
300. MD
300. TVD

TOC @ 519 → to surf w/9% w/o, tail 3772 ✓

1381' Green River

Stop surf, prod.
cmts

3976' tail

5-1/2"
MW 8.4

Production
6128. MD
6055. TVD

6055' Wasatch

Well name:	43-042-40534	Newfield Castle Draw ST N-2-9-17
Operator:	Newfield Production Company	
String type:	Surface	Project ID: 43-013-34147-0000
Location:	Duchesne County	

Design parameters:	Minimum design factors:	Environment:
Collapse	Collapse:	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 69 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 185 ft
	Burst:	Cement top: 53 ft
	Design factor 1.00	
Burst		
Max anticipated surface pressure: 264 psi		
Internal gradient: 0.120 psi/ft	Tension:	Non-directional string.
Calculated BHP 300 psi	8 Round STC: 1.80 (J)	
No backup mud specified.	8 Round LTC: 1.80 (J)	
	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	Re subsequent strings:
	Body yield: 1.50 (B)	Next setting depth: 6,055 ft
		Next mud weight: 8.400 ppg
	Tension is based on air weight.	Next setting BHP: 2,642 psi
	Neutral point: 262 ft	Fracture mud wt: 19.250 ppg
		Fracture depth: 300 ft
		Injection pressure: 300 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	300	8.625	24.00	J-55	ST&C	300	300	7.972	107.2

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	131	1370	10.469	300	2950	9.83	7	244	33.90 J

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

Phone: 810-538-5357

Date: January 13, 2009
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 300 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:	43-047-40534	Newfield Castle Draw ST N-2-9-17
Operator:	Newfield Production Company	
String type:	Production	Project ID: 43047-40534
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: 150 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft
Cement top: 519 ft

Burst

Max anticipated surface pressure: 1,310 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,642 psi

No backup mud specified.

Tension:

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

Directional well information:

Kick-off point 600 ft
Departure at shoe: 876 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 9.69 °

Tension is based on buoyed weight.
Neutral point: 5,347 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6128	5.5	15.50	J-55	LT&C	6055	6128	4.825	818.9

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	2642	4040	1.529	2642	4810	1.82	82	217	2.65 J

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

Phone: 810-538-5357

Date: January 13, 2009
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 6055 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 Castle Draw ST N-2-9-17

API 43-047-40534 0

INPUT

Well Name

Newfield Castle Draw ST N-2-9-17		API 43-013-34147-0000	
String 1	String 2		
Casing Size (")	8 5/8	5 1/2	
Setting Depth (TVD)	300	6055	
Previous Shoe Setting Depth (TVD)	0	300	
Max Mud Weight (ppg)	8.4	8.4	✓
BOPE Proposed (psi)	0	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	2622	8.3 ppg	✓

Calculations

		String 1	8 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =		131	BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		95	NO	Air drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		65	NO	
*Can Full Expected Pressure Be Held At Previous Shoe?					
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		65	NO	← Depth used in area
Required Casing/BOPE Test Pressure			300 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 =		2645	BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		1918	YES	Air Drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		1313	YES	✓
*Can Full Expected Pressure Be Held At Previous Shoe?					
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		1379	NO	← Known Area
Required Casing/BOPE Test Pressure			2000 psi		
*Max Pressure Allowed @ Previous Casing Shoe =			300 psi		*Assumes 1psi/ft frac gradient



December 9, 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
Castle Draw State N-2-9-17
Castle Draw Unit
Surface Hole: T9S R17E, Section 2: SENW
1977' FNL 1965' FWL
Bottom Hole: T9S R17E, Section 2
2585' FNL 1330' FWL
~~Duchesne County, Utah~~
Uintah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill, 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 Castle Draw Unit, which is covered entirely by State of Utah lease ML-45555. Newfield certifies that it is the Castle Draw Unit Operator and all lands within 460 feet of the entire directional well bore are within the Castle Draw 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

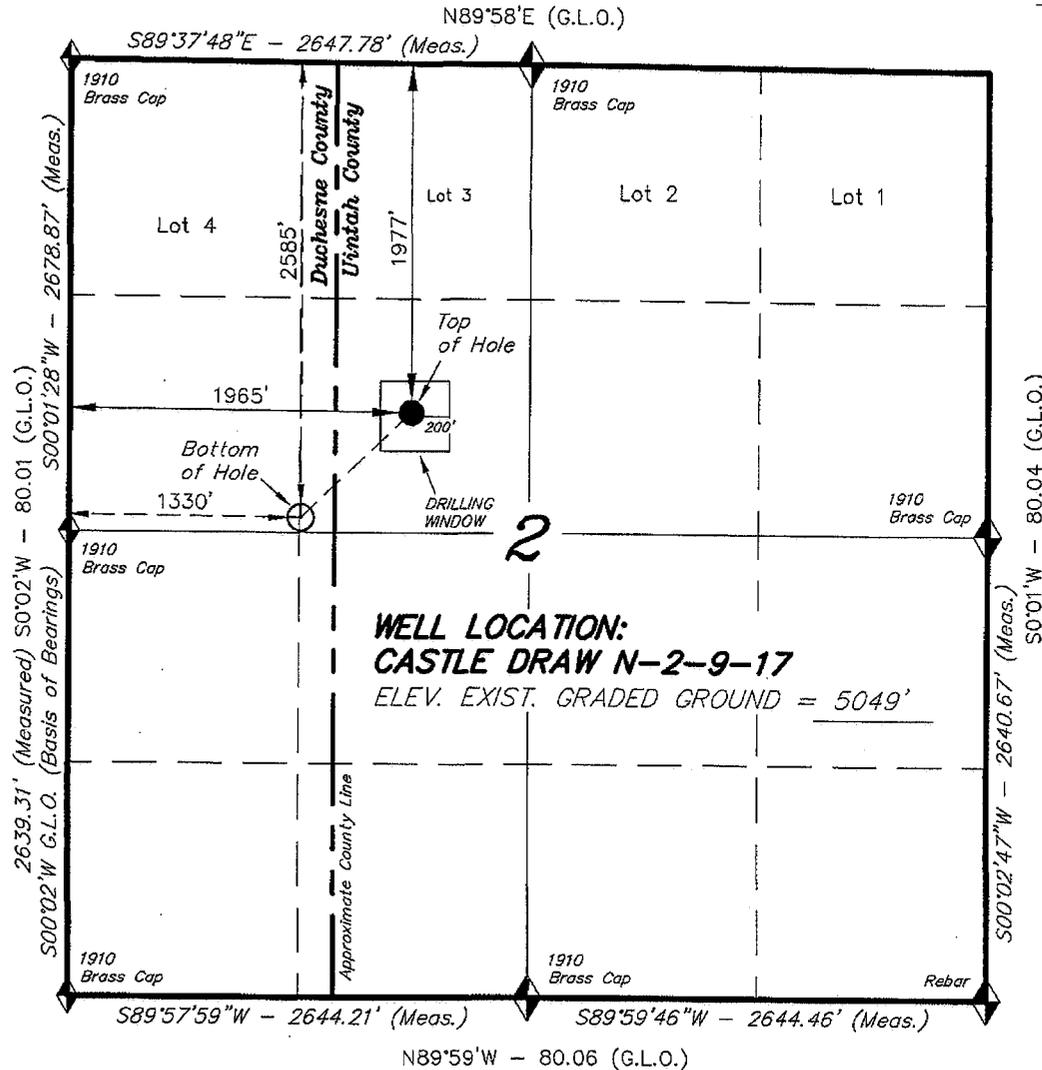
Attachments

RECEIVED
DEC 15 2008

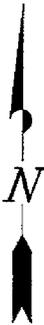
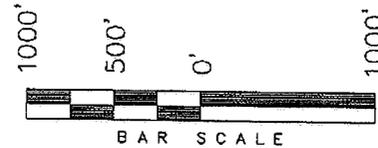
DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY



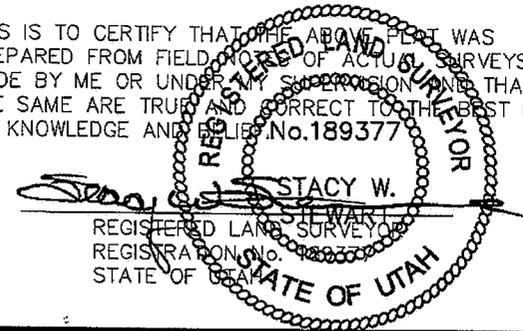
WELL LOCATION, CASTLE DRAW N-2-9-17,
 LOCATED AS SHOWN IN THE SE 1/4 NW
 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M.
 UINTAH COUNTY, UTAH.



Note:

1. The Bottom of hole bears S46°27'20"W 876.53' from the Top of Hole.

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



◆ = SECTION CORNERS LOCATED

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

CASTLE DRAW N-2-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 03' 42.53"
 LONGITUDE = 109° 58' 34.51"

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

DATE SURVEYED: 08-26-08	SURVEYED BY: T.H.
DATE DRAWN: 09-11-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 1/12/2009 12:57 PM
Subject: Newfield Well approvals.

CC: Garrison, LaVonne
The following wells have been approved by SITLA.

4304739771 State 7T-36-8-18
4304740160 State 13-36T-8-17
Including arch and paleo clearance.

⁴³⁰⁴⁷⁻⁴⁰⁵³⁴
~~4301334147~~ Castle Draw St N-2-9-17 ^{DD}
Including arch. Paleo not required (location outside the "paleo sensitive area").

-Jim

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

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-45555	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Castle Draw	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: Castle Draw State N-2-9-17	
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: SE/NW 1977' FNL 1965' FWL AT PROPOSED PRODUCING ZONE: 2585' FNL 1330' FWL				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NW 2 9S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 15.2 miles southeast of Myton, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx, 1330' f/lse line, 1330' f/unit line		16. NUMBER OF ACRES IN LEASE: 640.20 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1255'		19. PROPOSED DEPTH: 6,055		20. BOND DESCRIPTION: Hartford Accident #4471291	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5049' GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: (7) days from SPUD to rig release	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,055	Lead(Prem Lite II)	275 sx +/-	3.26	11.0
					Tail (50/50 Poz)	450 sx +/-	1.24	14.3

25. **ATTACHMENTS**

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

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

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

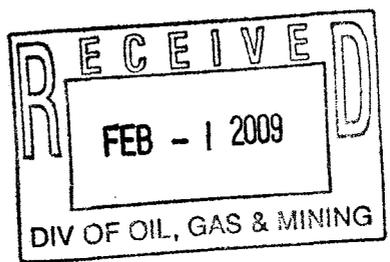
SIGNATURE *Mandie Crozier* DATE _____

(This space for State use only)

API NUMBER ASSIGNED: 43-047-40534

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

Date: 02-05-09
By: *[Signature]*





JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 5, 2009

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

Re: Castle Draw State N-2-9-17 Well, 1977' FNL, 1965' FWL, SE NW, Sec. 2, T. 9 South,
R. 17 East, Bottom Location 2585' FNL, 1330' FWL, SE NW, Sec. 2, T. 9 South,
R. 17 East, Uintah 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 43-047-40534.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Newfield Production Company
Well Name & Number Castle Draw State N-2-9-17
API Number: 43-047-40534
Lease: ML-45555

Location: SE NW **Sec. 2** **T. 9 South** **R. 17 East**
Bottom Location: SE NW **Sec. 2** **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

43-047-40534

February 5, 2009

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: _____
	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CASTLE DRAW ST N-2-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43047405340000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1977 FNL 1965 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 02 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
	COUNTY: UINTAH
	STATE: UTAH

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

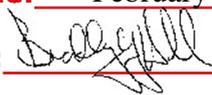
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/1/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

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

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

Date: February 01, 2010

By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 2/1/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047405340000

API: 43047405340000

Well Name: CASTLE DRAW ST N-2-9-17

Location: 1977 FNL 1965 FWL QTR SENW SEC 02 TWNP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 2/5/2009

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

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

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

Signature: Mandie Crozier

Date: 2/1/2010

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: February 01, 2010

By:

Amended Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #
21 Submitted By Don Bastian Phone Number 435-
823-6012

Well Name/Number Castle Draw State N-2-9-17
Qtr/Qtr SE/NW Section 2 Township 9S Range 17E
Lease Serial Number ML-45555
API Number 43-047-40534

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

Date/Time 5/20/10 9:00 AM PM

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

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

Date/Time 5/20/10 4:00 AM PM

BOPE

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

Date/Time _ _ _ _ AM PM

Remarks _____

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-45555

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
CASTLE DRAW N-2-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4304740534

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

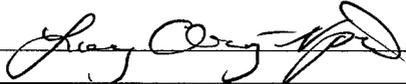
10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, 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: 06/30/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above subject well was completed on 06-30-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant
SIGNATURE  DATE 07/01/2010

(This space for State use only)

RECEIVED
JUL 06 2010
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

CASTLE DRAW N-2-9-17

4/1/2010 To 8/30/2010

6/21/2010 Day: 1

Completion

Rigless on 6/21/2010 - 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 @ 6120' & cement top @ 180'. Perforate stage #1, CP5 sds @ 5892-5900' w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 30 shots. 146 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$12,209

6/24/2010 Day: 2

Completion

Rigless on 6/24/2010 - Frac, perforate & flowback well. - Frac & perforate well as detailed. 2537 BWTR. Open for immediate flowback @ approx 3 BPM. Well flowed for 8 hours & turned to oil & gas. Recovered 1150 bbls. 1387 BWTR.

Daily Cost: \$0

Cumulative Cost: \$112,972

6/26/2010 Day: 3

Completion

Nabors #814 on 6/26/2010 - Set kill plug, MIRUSU. - MIRU WLT & hot oil truck. Check pressure on well, 1000 psi. Pump 20 BW down csg @ 220°. RIH w/ solid 6K composite plug & set @ 4185'. RD WLT & hot oiler. Bleed pressure off well. MIRUSU. ND frac BOPs & wellhead. NU production wellhead & BOPs. Talley & TIH w/ 4 3/4" chomp bit, bit sub & 45- jts 2 7/8" J-55 8rd EUE tbg. Oil started to come over tbg. No pump on location. SWIFN. 1387 BWTR.

Daily Cost: \$0

Cumulative Cost: \$159,889

6/28/2010 Day: 4

Completion

Nabors #814 on 6/28/2010 - Continue PU tbg & drill out 5 plugs - RU pump & pump lines. Pump 15 BW down tbg. Continue PU tbg & tag kill plug @ 4185'. RU power swivel. Drill out kill plug. Continue PU tbg & tag plug @ 4290'. Drill out plug. Continue PU tbg & tag plug 4810'. Drill out plug. Continue PU tbg & tag plug @ 5000'. Drill out plug. Continue PU tbg & tag plug @ 5390'. Drill out plug. Circulate well clean. SWIFN. 1387 BWTR

Daily Cost: \$0

Cumulative Cost: \$165,921

6/29/2010 Day: 5

Completion

Nabors #814 on 6/29/2010 - Finish drilling plugs, swab & flow well. - Check pressure on well, 900 psi tbg & csg. Bleed pressure off well. Pump 30 BW down tbg. Continue TIH & tag plug @ 5390'. Drill out plug. Continue PU tbg & tag fill @ 5650'. Clean out to plug @ 5695' & drill out plug. Continue PU tbg & tag fill @ 6043'. Clean out to PBDT @ 6156'. Circulate well clean. RD drill PS. LD 3- jts tbg. RU swab equipment. Made 4 swab runs w/ SFL @ surface. Well began to flow @ approx 2 BPM. Recovered total of 140 bbls. Pump 20 BW down tbg. PU 3- jts tbg &

tag PBTD @ 6156'. LD 8- jts tbg. Get ready to pump brine in am. 1247 BWTR.

Daily Cost: \$0

Cumulative Cost: \$172,963

6/30/2010 Day: 6

Completion

Nabors #814 on 6/30/2010 - Round trip tbg & PU rods - - Check pressure on well, 500 psi tbg & 600 psi csg. Bleed off pressure. Circulate well w/ 150 bbls brine. TOOH w/ tbg & LD BHA. TIH w/ production tbg as detailed. ND BOPs. Set TA @ 5869' w/ 18,000#s tension. NU wellhead. Flush tbg w/ 40 BW. X-over for rods. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 20' X 24' RHAC rod pump. PU & TIH w/ rods as detailed. RU pumping unit. Fill tbg w/ 2 BW. Stroke test pump w/ unit to 800 psi. RDMOSU. PWOP @ 6 pm w/ 144" SL @ 5.5 SPM. 1247 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$217,591

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
ML-45555

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

7. Unit or CA Agreement Name and No.
GMBU

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

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

8. Lease Name and Well No.
CASTLE DRAW N-2-9-17

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 1977' FNL & 1965' FWL (SE/NW) SEC. 2, T9S, R17E (ML-45555)

Bill reviewed by HSM

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC. 2, T9S, R17E

At top prod. interval reported below 2434' FNL & 1487' FWL (SE/NW) SEC. 2, T9S, R17E (ML-45555)

12. County or Parish

UINTAH

13. State

UT

At total depth 2679' FSL & 1206" FWL (NW/SW) SEC. 2, T9S, R17E (ML-45555)

14. Date Spudded
05/20/2010

15. Date T.D. Reached
06/15/2010

16. Date Completed 06/29/2010
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5049' GL 5061' KB

18. Total Depth: MD 6200'
TVD 6085' 900

19. Plug Back T.D.: MD 6158'
TVD 6054

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#	0	325'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6189'		275 PRIMLITE		180'	
						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@ 5965'	TA @ 5867'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			5892-5900' CP5	.36"	3	24
B) Green River			5609-5644' CP1	.34"	3	30
C) Green River			5290-5332' A3 LODC	.34"	3	36
D) Green River			5160-5165' A.5	.34"	3	15

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

Depth Interval	Amount and Type of Material
5892-5900'	Frac w/ 19941#s 20/40 sand in 170 bbls of Lightning 17 fluid.
5609-5644'	Frac w/ 75010#s 20/40 sand in 466 bbls of Lightning 17 fluid.
5290-5332'	Frac w/ 34787#s 20/40 sand in 232 bbls of Lightning 17 fluid.
5160-5165'	Frac w/ 14086#s 20/40 sand in 126 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-1-10	7-17-10	24	→	39	22	28			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

RECEIVED
JUL 26 2010

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD & USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3767' 3949'
				GARDEN GULCH 2 POINT 3	4068' 4332'
				X MRKR Y MRKR	4566' 4602'
				DOUGALS CREEK MRK BI CARBONATE MRK	4733' 4986'
				B LIMESTON MRK CASTLE PEAK	5120' 5559'
				BASAL CARBONATE WASATCH	5982' 6102'

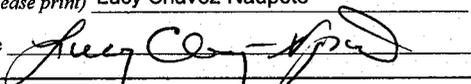
32. Additional remarks (include plugging procedure):

- Stage 5: Green River Formation (C) 4948-4954', .34" 3/18 Frac w/ 23439#s of 20/40 sand in 207 bbls of Lightning 17 fluid
- Stage 6: Green River Formation (D1) 4754-4758', .34" 3/12 Frac w/ 9487#s of 20/40 sand in 87 bbls of Lightning 17 fluid
- Stage 7: Green River Formation (GB4) 4230-4236', .34" 3/18 Frac w/ 13266#s of 20/40 sand in 103 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: Drilling Daily Activity

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

Name (please print) Lucy Chavez-Naupoto Title Administrative Assistant
 Signature  Date 07/22/2010

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

NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 2 T9S, R17E
N-2-9-17**

Wellbore #1

Design: Actual

Standard Survey Report

01 July, 2010

HATHAWAY  BURNHAM
 DIRECTIONAL & MWD SERVICES 

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S, R17E
Well: N-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well N-2-9-17
TVD Reference: N-2-9-17 @ 5061.0ft (RIG 2)
MD Reference: N-2-9-17 @ 5061.0ft (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		

Site	SECTION 2 T9S, R17E, SEC 2 T9S, R17E				
Site Position:		Northing:	7,194,800.00ft	Latitude:	40° 3' 41.746 N
From:	Lat/Long	Easting:	2,067,293.09ft	Longitude:	109° 58' 29.067 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.98 °

Well	N-2-9-17, SHL LAT: 40 03 42.53, LONG: -109 58 34.51					
Well Position	+N/-S	0.0 ft	Northing:	7,194,872.13 ft	Latitude:	40° 3' 42.530 N
	+E/-W	0.0 ft	Easting:	2,066,868.65 ft	Longitude:	109° 58' 34.510 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,061.0 ft	Ground Level:	5,049.0 ft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/06/03	11.41	65.85	52,398

Design	Actual				
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	226.46	

Survey Program	Date	2010/07/01			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
423.0	6,189.0	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
423.0	0.70	228.85	423.0	-1.7	-1.9	2.6	0.17	0.17	0.00
453.0	0.50	218.50	453.0	-1.9	-2.2	2.9	0.76	-0.67	-34.50
484.0	0.70	202.60	484.0	-2.2	-2.3	3.2	0.83	0.65	-51.29
515.0	0.70	214.70	515.0	-2.5	-2.5	3.6	0.48	0.00	39.03
545.0	1.00	206.90	545.0	-2.9	-2.7	4.0	1.07	1.00	-26.00
576.0	1.20	224.00	576.0	-3.4	-3.1	4.6	1.23	0.65	55.16
606.0	1.50	220.10	606.0	-3.9	-3.5	5.3	1.05	1.00	-13.00
637.0	1.60	223.60	637.0	-4.5	-4.1	6.1	0.44	0.32	11.29
667.0	1.90	214.70	666.9	-5.3	-4.7	7.0	1.35	1.00	-29.67
698.0	2.10	215.20	697.9	-6.1	-5.3	8.1	0.65	0.65	1.61
729.0	2.60	216.70	728.9	-7.2	-6.0	9.3	1.62	1.61	4.84
759.0	2.80	224.10	758.9	-8.2	-7.0	10.7	1.34	0.67	24.67



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S, R17E
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Wellbore: Wellbore #1
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MD Reference: N-2-9-17 @ 5061.0ft (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)
790.0	3.00	224.90	789.8	-9.4	-8.1	12.3	0.66	0.65	2.58
820.0	3.20	230.60	819.8	-10.4	-9.3	13.9	1.22	0.67	19.00
851.0	3.40	231.10	850.7	-11.6	-10.6	15.7	0.65	0.65	1.61
882.0	3.90	231.60	881.7	-12.8	-12.2	17.7	1.62	1.61	1.61
913.0	4.00	236.30	912.6	-14.1	-13.9	19.8	1.09	0.32	15.16
945.0	4.40	234.30	944.5	-15.4	-15.8	22.1	1.33	1.25	-6.25
977.0	5.00	236.20	976.4	-16.9	-18.0	24.7	1.94	1.88	5.94
1,009.0	5.80	237.50	1,008.3	-18.5	-20.5	27.6	2.53	2.50	4.06
1,040.0	6.10	238.00	1,039.1	-20.2	-23.2	30.8	0.98	0.97	1.61
1,072.0	6.70	237.80	1,070.9	-22.1	-26.3	34.3	1.88	1.88	-0.63
1,103.0	7.20	236.70	1,101.7	-24.2	-29.4	38.0	1.67	1.61	-3.55
1,135.0	7.50	234.50	1,133.4	-26.5	-32.8	42.0	1.29	0.94	-6.88
1,167.0	7.90	233.60	1,165.1	-29.0	-36.3	46.3	1.31	1.25	-2.81
1,199.0	8.30	235.40	1,196.8	-31.6	-39.9	50.7	1.48	1.25	5.63
1,230.0	8.80	233.30	1,227.4	-34.3	-43.7	55.3	1.90	1.61	-6.77
1,262.0	9.20	231.20	1,259.1	-37.4	-47.6	60.3	1.62	1.25	-6.56
1,294.0	9.50	229.20	1,290.6	-40.7	-51.6	65.5	1.38	0.94	-6.25
1,325.0	10.40	227.00	1,321.2	-44.3	-55.6	70.8	3.15	2.90	-7.10
1,357.0	10.70	227.50	1,352.6	-48.3	-59.9	76.7	0.98	0.94	1.56
1,389.0	11.00	229.00	1,384.0	-52.3	-64.4	82.7	1.29	0.94	4.69
1,421.0	11.50	227.50	1,415.4	-56.4	-69.1	88.9	1.81	1.56	-4.69
1,453.0	12.20	227.70	1,446.8	-60.9	-73.9	95.5	2.19	2.19	0.63
1,547.0	12.50	226.30	1,538.6	-74.6	-88.6	115.6	0.45	0.32	-1.49
1,642.0	11.90	224.70	1,631.4	-88.6	-102.9	135.7	0.72	-0.63	-1.68
1,737.0	12.30	227.20	1,724.3	-102.5	-117.2	155.6	0.69	0.42	2.63
1,832.0	12.70	226.40	1,817.1	-116.6	-132.2	176.1	0.46	0.42	-0.84
1,927.0	11.80	225.20	1,909.9	-130.6	-146.7	196.3	0.98	-0.95	-1.26
2,022.0	11.60	227.60	2,002.9	-143.9	-160.6	215.6	0.55	-0.21	2.53
2,117.0	12.00	225.80	2,095.9	-157.2	-174.8	235.0	0.57	0.42	-1.89
2,212.0	11.70	224.90	2,188.9	-170.9	-188.6	254.5	0.37	-0.32	-0.95
2,308.0	11.50	223.40	2,282.9	-184.8	-202.1	273.8	0.38	-0.21	-1.56
2,402.0	12.00	226.30	2,375.0	-198.3	-215.6	292.9	0.82	0.53	3.09
2,497.0	12.00	225.90	2,467.9	-212.0	-229.8	312.7	0.09	0.00	-0.42
2,593.0	11.90	226.40	2,561.8	-225.8	-244.2	332.5	0.15	-0.10	0.52
2,688.0	10.80	224.40	2,655.0	-238.9	-257.5	351.2	1.23	-1.16	-2.11
2,783.0	10.40	223.00	2,748.3	-251.5	-269.6	368.7	0.50	-0.42	-1.47
2,878.0	10.00	224.30	2,841.8	-263.7	-281.2	385.5	0.49	-0.42	1.37
2,973.0	10.60	225.70	2,935.3	-275.7	-293.2	402.5	0.68	0.63	1.47
3,069.0	12.10	224.10	3,029.4	-289.1	-306.5	421.3	1.60	1.56	-1.67
3,164.0	10.20	223.20	3,122.6	-302.4	-319.2	439.7	2.01	-2.00	-0.95
3,259.0	11.00	223.80	3,216.0	-315.1	-331.2	457.1	0.85	0.84	0.63
3,354.0	11.30	225.60	3,309.2	-328.1	-344.1	475.5	0.48	0.32	1.89
3,449.0	11.10	226.10	3,402.4	-341.0	-357.4	493.9	0.23	-0.21	0.53
3,544.0	12.30	228.10	3,495.4	-354.1	-371.5	513.2	1.33	1.26	2.11
3,639.0	13.00	227.00	3,588.1	-368.1	-386.9	534.0	0.78	0.74	-1.16
3,734.0	12.20	229.90	3,680.8	-381.9	-402.3	554.7	1.07	-0.84	3.05
3,829.0	12.70	227.60	3,773.6	-395.4	-417.7	575.2	0.74	0.53	-2.42
3,924.0	12.80	225.20	3,866.3	-409.8	-432.9	596.1	0.57	0.11	-2.53
4,019.0	13.70	225.20	3,958.7	-425.2	-448.4	617.9	0.95	0.95	0.00
4,114.0	13.30	223.20	4,051.1	-441.1	-463.8	640.1	0.65	-0.42	-2.11
4,209.0	12.70	223.10	4,143.7	-456.7	-478.4	661.4	0.63	-0.63	-0.11
4,304.0	12.20	226.10	4,236.4	-471.2	-492.8	681.9	0.86	-0.53	3.16
4,399.0	11.40	227.20	4,329.4	-484.6	-506.9	701.3	0.87	-0.84	1.16
4,494.0	11.80	227.50	4,422.5	-497.5	-521.0	720.4	0.43	0.42	0.32



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S, R17E
Well: N-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well N-2-9-17
TVD Reference: N-2-9-17 @ 5061.0ft (RIG 2)
MD Reference: N-2-9-17 @ 5061.0ft (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)
4,589.0	11.80	228.30	4,515.5	-510.6	-535.4	739.8	0.17	0.00	0.84
4,684.0	12.30	229.00	4,608.4	-523.7	-550.3	759.6	0.55	0.53	0.74
4,779.0	12.40	228.50	4,701.2	-537.0	-565.6	779.9	0.15	0.11	-0.53
4,874.0	12.80	229.60	4,793.9	-550.6	-581.2	800.6	0.49	0.42	1.16
4,969.0	11.90	229.10	4,886.7	-563.9	-596.6	820.9	0.95	-0.95	-0.53
5,065.0	10.70	226.90	4,980.8	-576.4	-610.6	839.7	1.33	-1.25	-2.29
5,160.0	10.20	223.60	5,074.3	-588.5	-622.9	856.9	0.82	-0.53	-3.47
5,255.0	10.30	225.90	5,167.7	-600.6	-634.8	873.8	0.44	0.11	2.42
5,287.2	10.53	227.70	5,199.4	-604.5	-639.0	879.7	1.24	0.71	5.60
N-2-9-17 TGT									
5,350.0	11.00	231.00	5,261.1	-612.2	-647.9	891.4	1.24	0.75	5.25
5,445.0	10.30	228.70	5,354.5	-623.5	-661.3	908.9	0.86	-0.74	-2.42
5,540.0	10.80	224.50	5,447.9	-635.4	-674.0	926.3	0.97	0.53	-4.42
5,635.0	12.70	226.50	5,540.9	-649.0	-687.8	945.6	2.05	2.00	2.11
5,730.0	12.50	223.80	5,633.6	-663.6	-702.5	966.3	0.65	-0.21	-2.84
5,825.0	12.10	222.90	5,726.4	-678.3	-716.4	986.5	0.47	-0.42	-0.95
5,920.0	10.90	223.80	5,819.5	-692.1	-729.3	1,005.4	1.28	-1.26	0.95
6,015.0	9.80	224.30	5,912.9	-704.3	-741.2	1,022.5	1.16	-1.16	0.53
6,136.0	8.30	221.20	6,032.4	-718.3	-754.2	1,041.5	1.30	-1.24	-2.56
6,189.0	7.70	220.80	6,084.9	-723.8	-759.0	1,048.8	1.14	-1.13	-0.75

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
N-2-9-17 TGT	0.00	0.00	5,200.0	-603.8	-635.4	7,194,257.59	2,066,243.63	40° 3' 36.562 N	109° 58' 42.682 W
- actual wellpath misses by 3.7ft at 5287.2ft MD (5199.4 TVD, -604.5 N, -639.0 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____



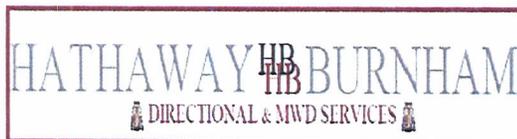
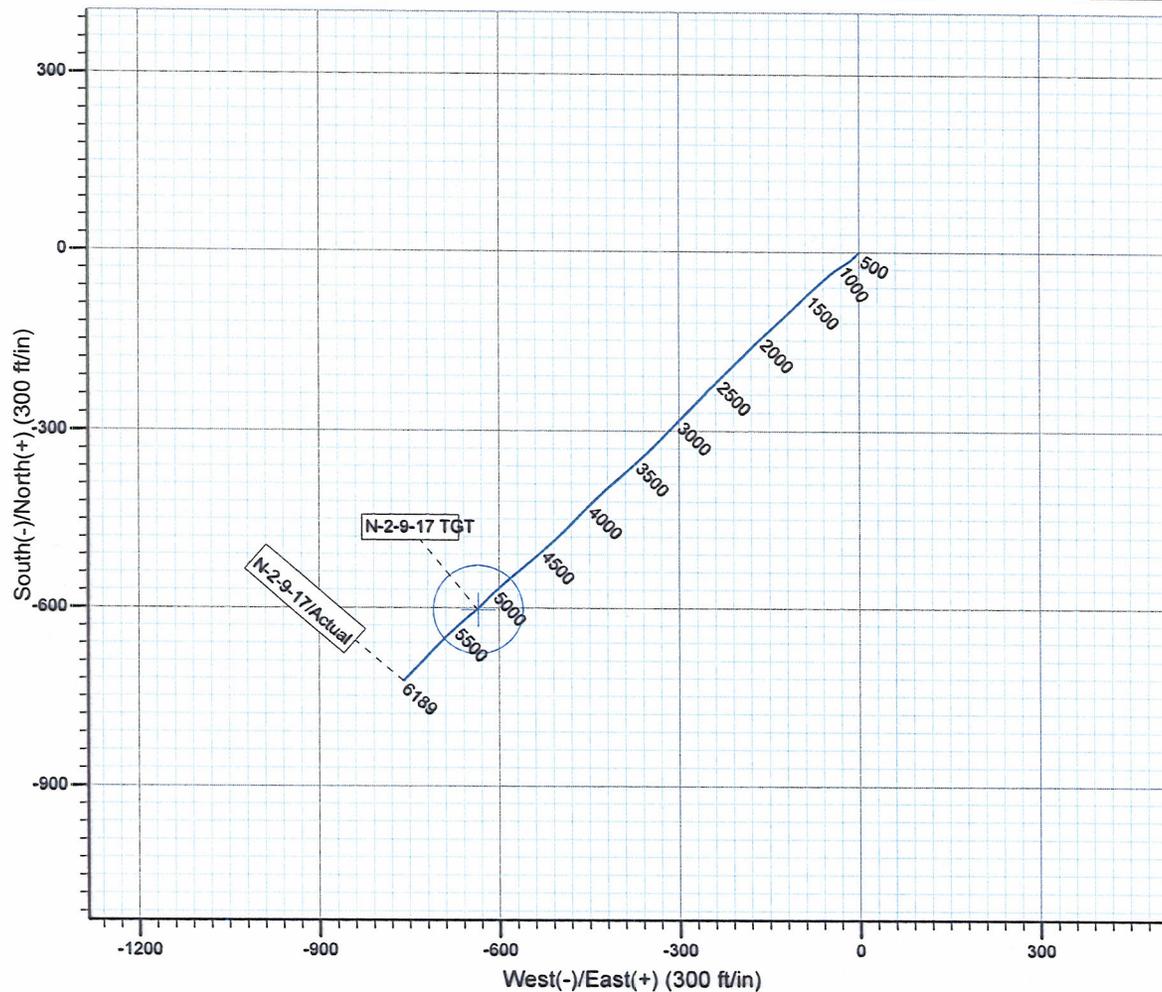
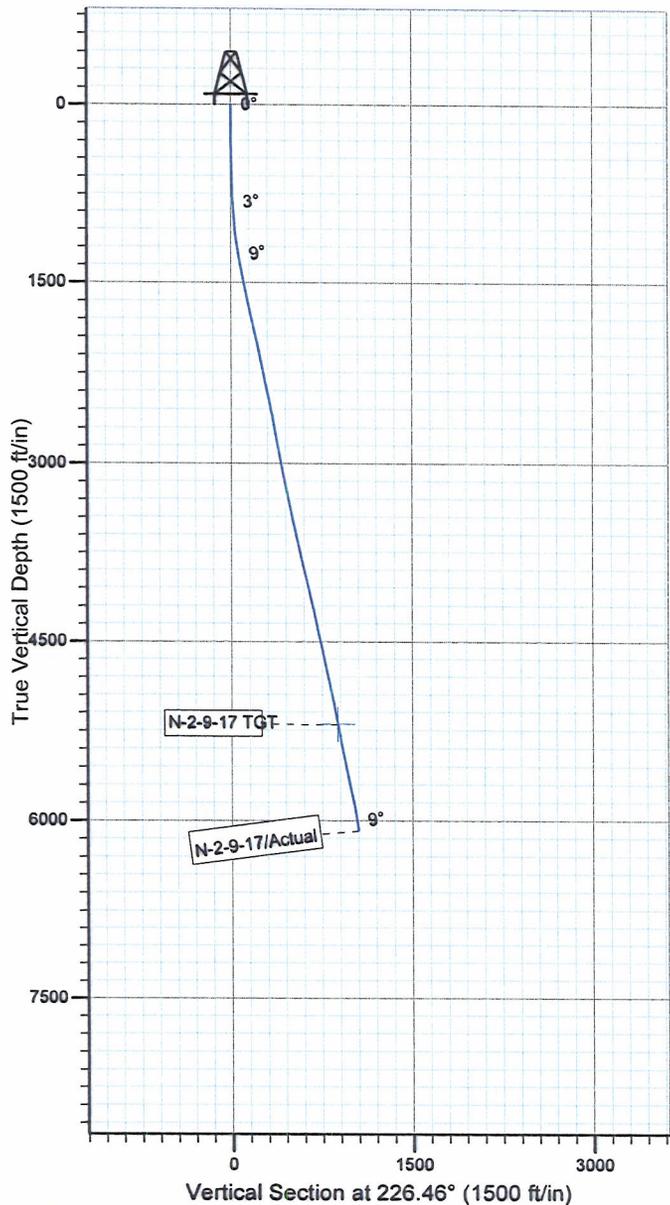
Project: USGS Myton SW (UT)
 Site: SECTION 2 T9S, R17E
 Well: N-2-9-17
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.41°

Magnetic Field
 Strength: 52397.7snT
 Dip Angle: 65.85°
 Date: 2010/06/03
 Model: IGRF2010



Design: Actual (N-2-9-17/Wellbore #1)

Created By: *Tom Hudson* Date: 19:59, July 01 2010
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

CASTLE DRAW N-2-9-17**4/1/2010 To 8/30/2010****CASTLE DRAW N-2-9-17****Waiting on Cement****Date:** 5/22/2010

Ross #21 at 325. Days Since Spud - 8 5/8" casing w/ 160 sks Class "G" + 2% CaCl₂ + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield. - casing (guide shoe, shoe jt, baffle plate, 6 jts) set @ 324.77' KB. On 5/22/10 BJ Services cemented - Returned 7 bbls to pit. - On 5/20/10 Ross Rig #21 spud CD N-2-9-17, drilled 325' of 12 1/4" hole, and ran 7 jts 8 5/8"

Daily Cost: \$0**Cumulative Cost:** \$27,905**CASTLE DRAW N-2-9-17****Drill 7 7/8" hole with fresh water****Date:** 6/12/2010

NDSI #2 at 966. 1 Days Since Spud - TOO H f/ New packer - Set packer & test casing to 1500# f/ 30 min test ok & TOO H - PU Smith PDC, Hunting Mud mm, NMDC, Double gap sub, Ant sub, NMDC & 4.5 HWDP & TIH Tag cmt @ 280' - Drill f/ 280' to 966' WOB 10/20 GPM= 288 RPMS= 133 ROP= 114' pr hr - PU packer & TIH to 225' - Valves pipe rams blind rams to 2000#s for 10 min, casing would not test - Held saftey mtg w/ B&C quick test & Test Bops test kelly upper kelly cock Kelly floor valve & choke - Held saftey mtg & Moved Rig w/ Liddells trucking to the Castle Draw State N-2-9-17 on 6/11/10 - TIH w/ new packer to 225'

Daily Cost: \$0**Cumulative Cost:** \$76,317**CASTLE DRAW N-2-9-17****Drill 7 7/8" hole with fresh water****Date:** 6/13/2010

NDSI #2 at 3660. 2 Days Since Spud - Rig Service. Check Crown-A-Matic. Function Test Bop's - Drill 7 7/8" Hole From 1917' To 3660' 20,000 lbs,290 GPM 111 TRPM,105.6 fph AVG ROP - No H₂s Reported Last 24 Hrs - Well Flowing 2 gal/min @ 3375' - Drill 7 7/8" Hole From 966' To 1917',20,000 lbs WOB, 290 GPM,111 TRPM,135.8 fph AVG ROP

Daily Cost: \$0**Cumulative Cost:** \$95,426**CASTLE DRAW N-2-9-17****Drill 7 7/8" hole with fresh water****Date:** 6/14/2010

NDSI #2 at 5244. 3 Days Since Spud - No H₂s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 3660' To 4293'. 23,000 lbs WOB,290 GPM,111 TRPM, 90.4 fph AVG ROP - Rig Service, Check Crown-A-Matic, Function Test Bop's - Drill 7 7/8" Hole From 4293' To 5244'. 23,000 lbs WOB, 290 GPM,111 TRPM, 57.6 fph AVG ROP - Well Flowing 4 gal/min @ 5244'

Daily Cost: \$0**Cumulative Cost:** \$128,765**CASTLE DRAW N-2-9-17****Logging****Date:** 6/15/2010

NDSI #2 at 6200. 4 Days Since Spud - Drill 7 7/8" hole from 5815' to 5973' with 25 klbs WOB, 111 total RPM, and 63 ft/hr avg ROP. - Rig service and check crown-o-matic. - Rig up PSI and run wireline log. - Lay down drill pipe and bottom hole assembly. - Drill 7 7/8" hole from 5244' to 5815' with 20 klbs WOB, 111 total RPM, and 63 ft/hr avg ROP. - Lay down drill pipe to 4000'. - Circulate hole and pump gel and sawdust sweep. - Drill 7 7/8" hole from 5973'

to TD (6200') with 20 klbs WOB, 111 total RPM, and 64 ft/hr avg ROP. - Pump 260 bbls of brine to stop flow.

Daily Cost: \$0

Cumulative Cost: \$177,540

CASTLE DRAW N-2-9-17

Waiting on Cement

Date: 6/16/2010

NDSI #2 at 6200. 5 Days Since Spud - Cement with 275 sks lead mixed at 11 ppg and 3.5 yield and 400 sks tail mixed at 14.4 ppg and 1.24 - yield. Returned 46 bbls to pit. - Set slips with 90,000 lbs tension. - Circulate casing and R/U BJ Services to cement. - collar at 6156.32' and top of short jt at 3999.54'. - Run 1 guide shoe, 1 shoe jt, 1 float collar, 141 jts casing, and 1 landing jt. Set top of float - R/U Marcus Liddell casing crew and run 142 jts 5 1/2" J-55 15.5# casing set at 6189.57' KB. - Run DISGL/SP/GR suite wireline log with PSI from logger's TD (6186') to surface. - Clean mud tanks. Release rig at 7:30 pm on 6/15/10. - R/U B&C Quick Test and test 5 1/2" casing rams to 2000 psi for 10 minutes. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$278,401

Pertinent Files: Go to File List

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
---	---

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
--	---

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CASTLE DRAW ST N-2-9-17
-----------------------------	---

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43047405340000
---	----------------------------------

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
---	-----------------------------------	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1977 FNL 1965 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 02 Township: 09.0S Range: 17.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
--	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/19/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Well Clean Out"/>

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

The above mentioned well has had a history of scale. Newfield will be doing a well clean out of the wellbore with the intention to increase hydrocarbon production and bring the well back up to economic production volumes.

Accepted by the Utah Division of Oil, Gas and Mining

Date: August 25, 2016

By: *Dark Ount*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 8/19/2016	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: CASTLE DRAW ST N-2-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43047405340000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1977 FNL 1965 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 02 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/30/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Well Clean Out"/>

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

The well clean out has been completed on the above mentioned well.
See attached job procedure.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 21, 2016**

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 10/11/2016	

LiteChem Acid Job Procedure

9/30/16
 Derwin Priebe
 Austin Harrison
 Hope Weller

Newfield Exploration**Castle Draw N-2-9-17****LiteChem Acid Cleanup Treatment Volumes****Table 1: Loading Volumes for HCl Acid Cleanup**

Stage	Chemical	Volume
<i>Pre Flush</i>	Fresh Water	10 gallons
	PAW3900 (Paraffin)	5 gallons
	FAW21 (Foamer)	1 gallon
<i>Main Pill</i>	15% HCl (Acid)	110 gallons
	CRO242ES (Acid Corrosion Inhibitor)	.5 gallons
	PAW3900 (Paraffin)	10 gallons
	FAW21 (Foamer)	4 gallons
<i>Over Flush</i>	Fresh Water	363 gallons
	FAW21 (Foamer)	6 gallons
	CRW9220 (Corrosion Inhibitor)	5 gallons
	SCW356 (Scale Inhibitor)	5 gallons
	HSW700 (Hydrogen Sulfide Scavenger)	20 gallons

Table 2: Over Flush Stage Volumes

Stage	Volume
<i>1st Over Flush</i>	295 gallons
<i>2nd Over Flush</i>	104 gallons

LiteChem Acid Job Procedure



Treatment recommendation needs to be applied as follows:

1. RUMO LiteChem equipment with necessary chemical and fresh water volumes
2. Inspect the equipment and tank vessels for condition/cleanliness (no solids, residual chemicals, crude or water should be present).
3. Conduct a pretreatment safety meeting with all personnel on location. **Review all related Material Safety Data Sheets and handling of dangerous goods. Take all necessary precautions when handling the chemicals.**
4. Stage recommended volume for treatment of **Fresh Water, PAW3900, 15% HCl, CRO242ES, CRW9220, SCW356, HSW700 and FAW21** (See Table 1) on location
5. **Clutch unit and shut tubing and casing in at surface to ensure treatment to go down casing**
6. Load the recommended *Pre Flush Volume* of **Fresh Water, PAW3900 and FAW21** (in that order) (See Table 1) onto application vessel, circulate the mixture to reach complete mix and **pump via LiteChem applicator down the casing**
7. Load the recommended *Main Pill Volume* of **15% HCl, CRO242ES, PAW3900 and FAW21** (in that order) (See Table 1) onto application vessel, circulate the mixture to reach complete mix and **pump via LiteChem applicator down the casing**
8. Load the recommended *Over Flush Volume* of **Fresh Water, FAW21, CRW9220, SCW356, and HSW700** (in that order) (See Table 1) onto application vessel, circulate the mixture to reach complete mix
 - a. Pump *1st Over Flush Volume* (See Table 2) **via LiteChem applicator down the casing**

Wait 30 minutes in-between pumping step 8a and 8b
 - b. Pump *2nd Over Flush Volume* (See Table 2) **via LiteChem applicator down the casing**
9. Disconnect LiteChem equipment
10. **Leave well shut in for a minimum of 12-24 hours and return to production**

LiteChem Acid Job Procedure

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 Derwin Priebe
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