

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.  
UTU02270A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.  
NATURAL BUTTES UN

8. Lease Name and Well No.  
NATURAL BUTTES UNIT 668-12E

9. API Well No.  
43047-39901

1a. Type of Work:  DRILL  REENTER

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
EOG RESOURCES INC  
Contact: MARY A. MAESTAS  
E-Mail: mary\_maestas@eogresources.com

3a. Address  
1060 EAST HIGHWAY 40  
VERNAL, UT 84078

3b. Phone No. (include area code)  
Ph: 303-824-5526

10. Field and Pool, or Exploratory  
NATURAL BUTTES/WASATCH

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon  
At proposed prod. zone NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec 12 T10S R20E Mer SLB

14. Distance in miles and direction from nearest town or post office\*  
44.8 MILES SOUTH OF VERNAL, UTAH

12. County or Parish  
UINTAH

13. State  
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
725'

16. No. of Acres in Lease  
2167.00

17. Spacing Unit dedicated to this well

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.  
770'

19. Proposed Depth  
6516 MD

20. BLM/BIA Bond No. on file  
NM2308

21. Elevations (Show whether DF, KB, RT, GL, etc.)  
5012 GL

22. Approximate date work will start

23. Estimated duration  
45 DAYS

24. Attachments

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

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission) *Mary A. Maestas* Name (Printed/Typed) MARY A. MAESTAS Ph: 303-824-5526 Date 12/19/2007

Title REGULATORY ASSISTANT

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 01-03-08

Title ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

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

Electronic Submission #57673 verified by the BLM Well Information System  
For EOG RESOURCES INC, sent to the Vernal

RECEIVED

DEC 24 2007

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

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

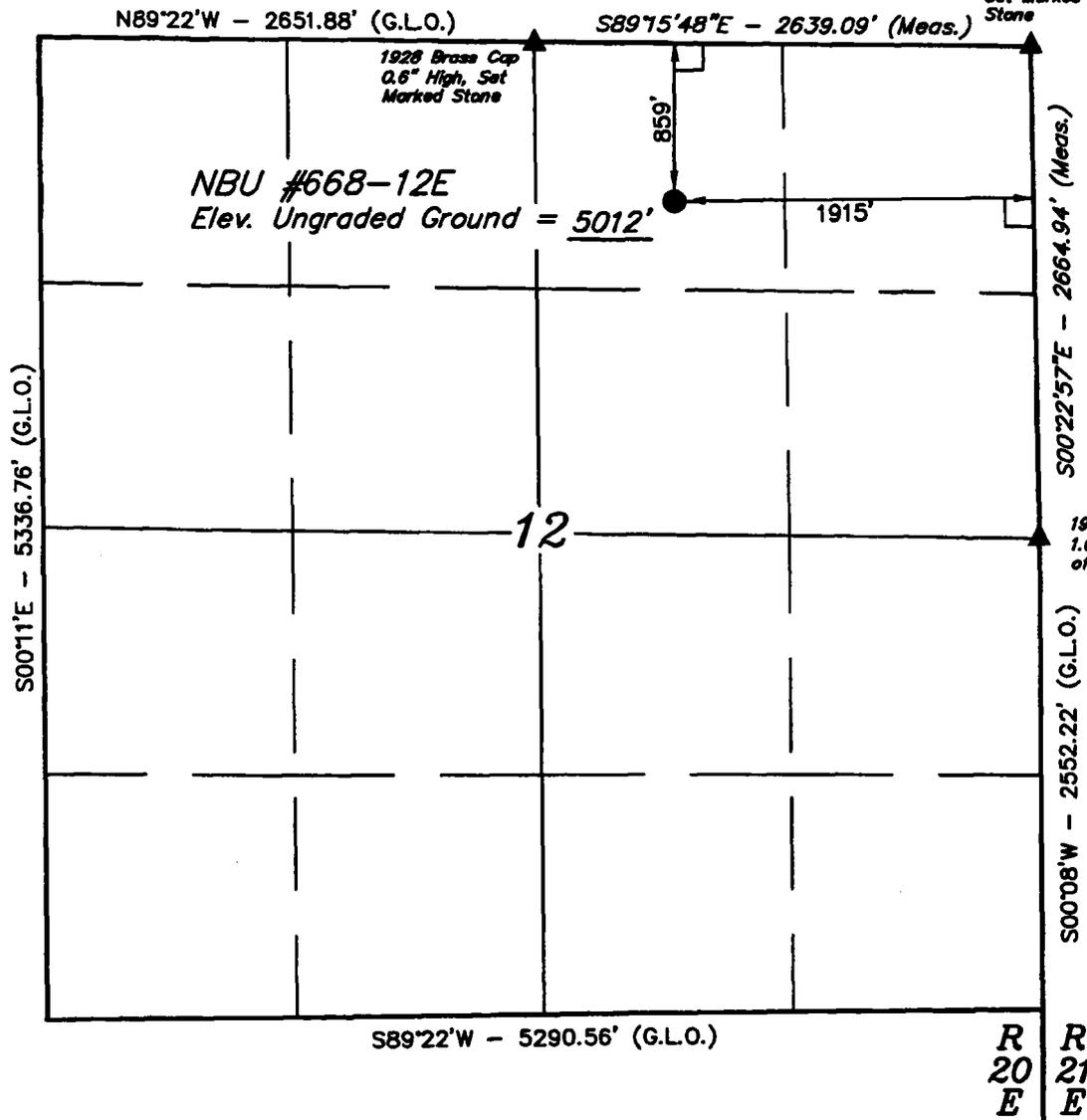
618657X  
44248574  
39.967435  
-109.610638

T10S, R20E, S.L.B.&M.

EOG RESOURCES, INC.

Well location, NBU #668-12E, located as shown in the NW 1/4 NE 1/4 of Section 12, T10S, R20E, S.L.B.&M., Uintah County, Utah.

1928 Brass Cap  
0.7" High,  
Scattered Stones,  
Set Marked  
Stone



S00°22'57"E - 2664.94' (Meas.)

1928 Brass Cap  
1.0" High, Pile  
of Stones

S00°08'W - 2552.22' (G.L.O.)

R  
20  
E

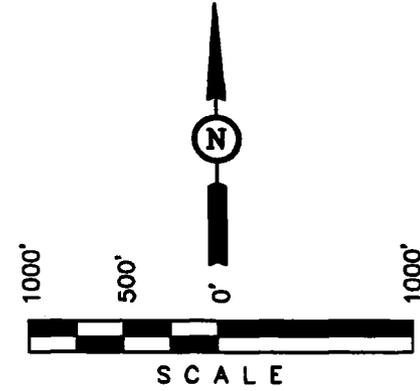
S89°22'W - 5290.56' (G.L.O.)

**BASIS OF ELEVATION**

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



**CERTIFICATION**  
THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 10138  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

**LEGEND:**  
└─┘ = 90° SYMBOL  
● = PROPOSED WELL HEAD.  
▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°58'02.68" (39.967411)  
LONGITUDE = 109°36'40.75" (109.611319)  
(NAD 27)  
LATITUDE = 39°58'02.68" (39.967411)  
LONGITUDE = 109°36'40.75" (109.611319)

|                         |                             |                         |
|-------------------------|-----------------------------|-------------------------|
| SCALE<br>1" = 1000'     | DATE SURVEYED:<br>09-21-07  | DATE DRAWN:<br>09-28-07 |
| PARTY<br>G.S. D.D. C.H. | REFERENCES<br>G.L.O. PLAT   |                         |
| WEATHER<br>COOL         | FILE<br>EOG RESOURCES, INC. |                         |



## **EIGHT POINT PLAN**

### **NATURAL BUTTES UNIT 668-12E** **NW/NE, SEC. 12, T10S, R20E, S.L.B.&M.** **UINTAH COUNTY, UTAH**

#### **5. Float Equipment:**

##### **Surface Hole Procedure (0' - 2300'±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

##### **Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### **6. MUD PROGRAM**

##### **Surface Hole Procedure (Surface - 2300'±):**

Air/air mist or aerated water.

**Production Hole Procedure (2300'± - TD):** Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

**2300'± - TD** A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

#### **7. VARIANCE REQUESTS:**

##### **Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations**

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**8. EVALUATION PROGRAM:**

**Logs:** Mud log from base of surface casing to TD.  
**Cased-hole Logs:** Cased-hole logs will be run in lieu of open-hole logs consisting of the following:  
**Cement Bond / Casing Collar Locator and Pulsed Neutron**

**9. CEMENT PROGRAM:**

**Surface Hole Procedure (Surface - 2300'±):**

**Lead:** 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

**Tail:** 207 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Top Out:** As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note:** Cement volumes will be calculated to bring lead cement to surface and tail cement to 500' above the casing shoe.

**Production Hole Procedure (2300'± - TD)**

**Lead:** 140 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 397 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note:** The above number of sacks is based on gauge-hole calculation.  
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.  
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**10. ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 2300'±):**

Lost circulation

**Production Hole (2300'± - TD):**

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

**11. STANDARD REQUIRED EQUIPMENT:**

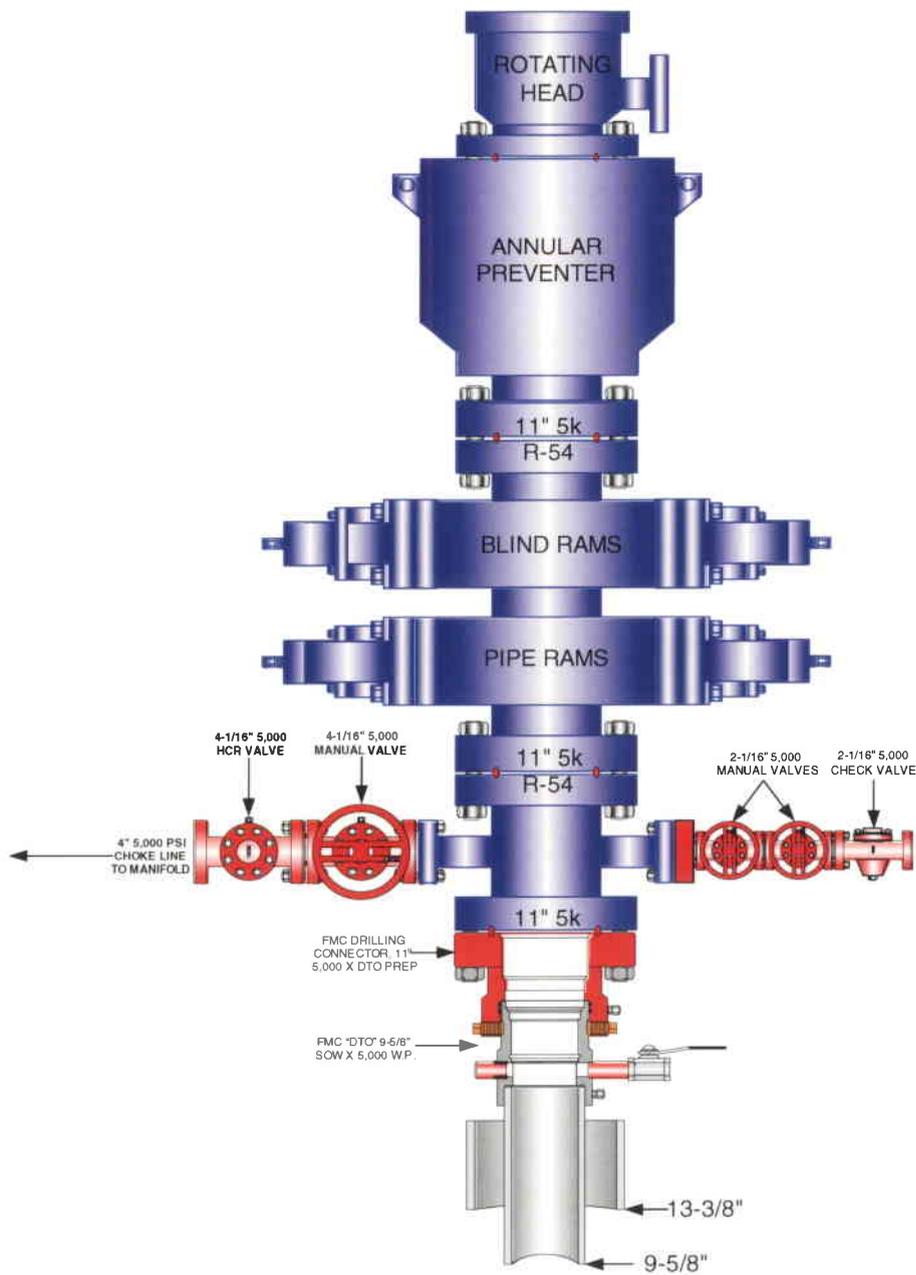
- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**12. HAZARDOUS CHEMICALS:**

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 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 of this well.

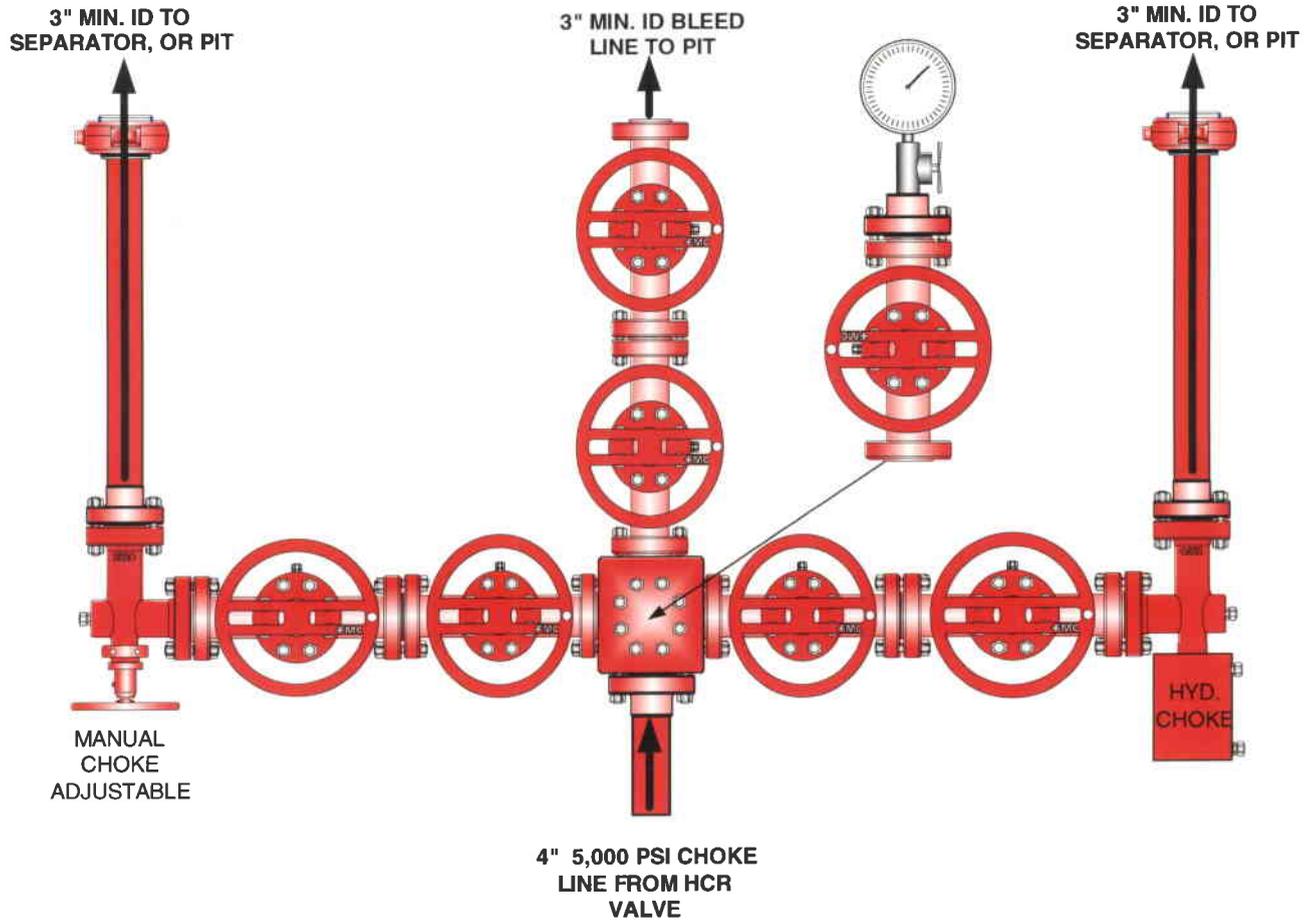
(Attachment: BOP Schematic Diagram)

**EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION**



EOG RESOURCES CHOKE MANIFOLD CONFIGURATION  
W/ 5,000 PSI WP VALVES

PAGE 2 OF 2



Testing Procedure:

1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, **whichever is greater.**
4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



***Natural Buttes Unit 668-12E  
NWNE, Section 12, T10S, R20E  
Uintah County, Utah***

***SURFACE USE PLAN***

The well pad is approximately 375 feet long with a 261-foot width, containing 2.25 acres more or less. The well access road is approximately 380 feet long with a 40-foot right-of-way, disturbing approximately .35 acre. New surface disturbance associated with the well pad and access road is estimated to be 2.60 acres. The pipeline is approximately 1387 feet long with a 40-foot right-of-way disturbing approximately 1.27 acres.

***1. EXISTING ROADS:***

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 44.8 miles south of Vernal, Utah – See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

***2. PLANNED ACCESS ROAD:***

- A. The access road will be approximately 380' in length. See attached Topo B.
- B. The access road has a 40-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 40-foot permanent right-of-way is requested. No surfacing material will be used.

- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 40-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

**An off-lease right-of-way is not required. The entire length of the proposed access road is located within Federal Lease # U-02270-A.**

**3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:**

See attached TOPO map "C" for the location of wells within a one-mile radius.

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

**A. On Well Pad**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.
2. Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

**B. Off Well Pad**

1. Proposed pipeline will transport natural gas.
2. The pipeline will be a permanent feeder line.
3. The length of the proposed pipeline is 1387' x 40'. The proposed pipeline leaves the northeastern edge of the well pad (Lease U-02270-A) proceeding in a southeasterly direction for an approximate distance of 1387' tying into an existing pipeline in the SENE of Section 12, T10S, R20E (Lease U-02270-A). Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.
4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
5. Proposed pipeline will be laid on surface.
6. An off-lease right-of-way is not required. The entire length of the proposed pipeline is located within Federal Lease # U-02270-A.
7. The proposed pipeline route begins in the NWNE of Section 12, T10S, R20E, proceeding southeasterly for an approximate distance of 1387' to the SENE of Section 12, T10S, R20E.
8. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon or Covert Green.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

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

- A. Water supply will be Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIALS:**

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL:**

**A. METHODS AND LOCATION**

1. Cuttings will be confined in the reserve pit.
  2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
  3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
  4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD, CWU 2-29 SWD, Red Wash Evaporation ponds 1, 2, 3 or 4 or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
  5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit, through natural or artificial methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with **double felt**, and a 16-millimeter plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; polyswell or soil) will be used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

**8. ANCILLARY FACILITIES:**

None anticipated.

**9. WELL SITE LAYOUT:**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the south corner of the location. The flare pit will be located downwind of the prevailing wind direction on the west side of the location, a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.

The stockpiled pit topsoil (first six inches) will be stored separate from the location topsoil southwest of pit corner B. The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of

construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the southeast.

**A diversion ditch shall be constructed on the east side of the location.**

**Rip rap will be used from pit corner B to Corner #6 from native rock or cobble.**

**The corners of the well pad will be rounded off as needed to minimize excavation.**

**FENCING REQUIREMENTS:**

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

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 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 the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

**10. PLANS FOR RECLAMATION OF THE SURFACE:**

**A. Interim Reclamation (Producing Location)**

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

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours—see Figure #3. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

| <b>Seed Mixture</b> | <b>Drilled Rate<br/>(lbs./acre PLS*)</b> |
|---------------------|--|
| HyCrest Wheatgrass  | 9.0                                      |
| Prostrate Kochia    | 3.0                                      |

\*Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

**B. Dry Hole/Abandoned Location**

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

| <b>Seed Mixture</b> | <b>Drilled Rate<br/>(lbs./acre PLS*)</b> |
|---------------------|--|
| Gardner Saltbush    | 3.0                                      |
| Shadscale           | 3.0                                      |
| HyCrest Wheatgrass  | 3.0                                      |

\*Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

**11. SURFACE OWNERSHIP:**

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

**Bureau of Land Management**

**12. OTHER INFORMATION:**

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:

- Whether the materials appear eligible for the National Register of Historic Places;
- The mitigation measures the operator will likely have to undertake before the site can be used.
- A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants on November 8, 2007. A paleontology survey was conducted and will be submitted by Intermountain Paleo.

**Additional Surface Stipulations:**

None.

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

**PERMITTING AGENT**

Mary A. Maestas  
EOG Resources, Inc.  
1060 East Highway 40  
Vernal, UT 84078  
(435) 781-9111

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

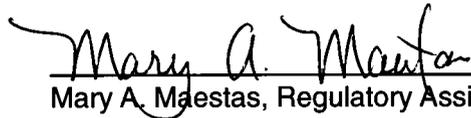
The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

**CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. 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 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Natural Buttes Unit 668-12E Well, located in the NWNE, of Section 12, T10S, R20E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

December 19, 2007  
Date

  
\_\_\_\_\_  
Mary A. Maestas, Regulatory Assistant

Date of onsite: October 24, 2007

EOG RESOURCES, INC.

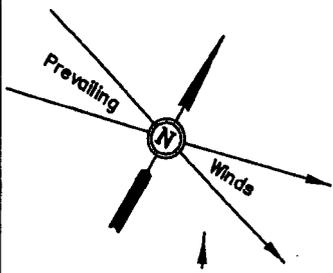
LOCATION LAYOUT FOR

NBU #668-12E  
SECTION 12, T10S, R20E, S.L.B.&M.  
859' FNL 1915' FEL

FIGURE #1

Approx.  
Toe of  
Fill Slope

F-2.6'  
El. 5009.0'



SCALE: 1" = 50'  
DATE: 09-28-07  
Drawn By: C.H.

NOTE:  
Flare Pit is to  
be located a min.  
of 100' from the  
Well Head.

CONSTRUCT  
DIVERSION  
DITCH

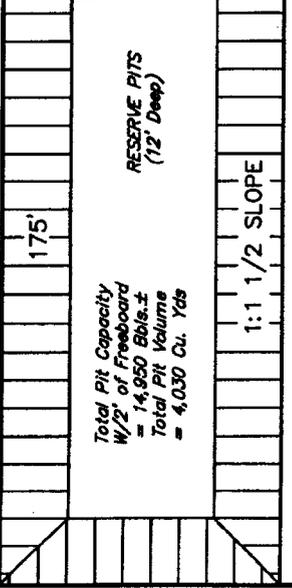


Pit Topsoil  
C-10.1  
El. 5009.7'  
(btm. pit)

Reserve Pit Backfill  
& Spoils Stockpile

C-21.4'  
El. 5021.0'  
(btm. pit)

15' WIDE BENCH/DIKE



C-8.0'  
El. 5019.6'

Elev. Ungraded Ground at Location Stake = 5012.1'  
Elev. Graded Ground at Location Stake = 5011.6'

Existing Wash

F-8.0'  
El. 5003.6'

Existing  
Drainage

Existing  
Drainage

CATWALK

PIPE RACKS

C-1.4'  
El. 5013.0'

C-0.5'  
El. 5012.1'

RIG DOG HOUSE

MUD TANKS

WATER

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

Sta. 0+50

TRASH

C-6.4'  
El. 5018.0'

STORAGE  
TANK

Sta. 0+00

Proposed Access  
Road

Approx.  
Top of  
Cut Slope

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 788-1017



F-1.4'  
El. 5010.2'

Topsail Stockpile

C-1.3'  
El. 5012.9'

8

7

1

2

Sta. 3+75

Sta. 1+75

Round Corners  
as needed

Existing  
Drainage

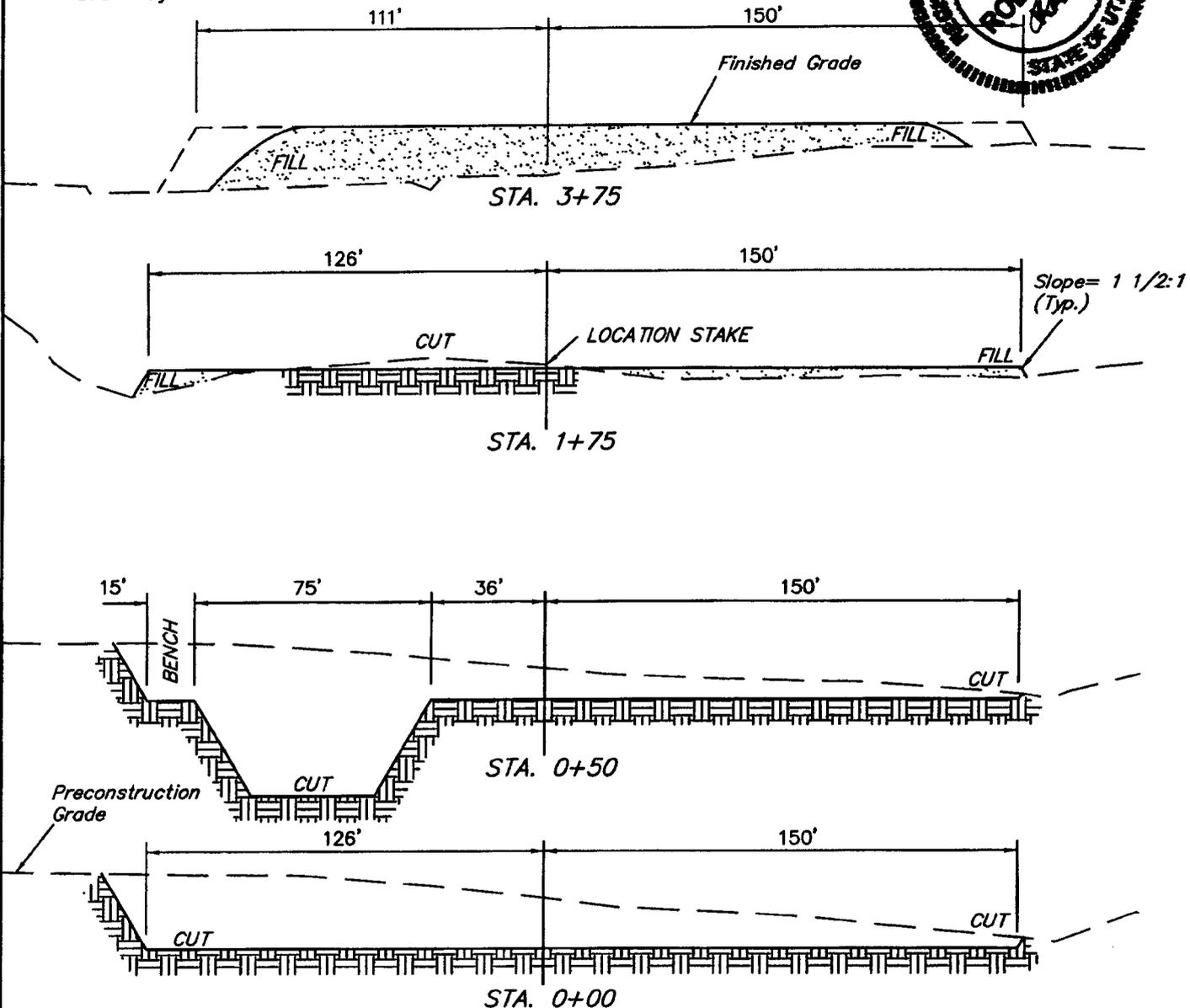
CONSTRUCT  
DIVERSION  
DITCH

**EOG RESOURCES, INC.**  
**TYPICAL CROSS SECTIONS FOR**  
**NBU #668-12E**  
**SECTION 12, T10S, R20E, S.L.B.&M.**  
**859' FNL 1915' FEL**

**FIGURE #2**

1" = 20'  
 X-Section  
 Scale  
 1" = 50'

DATE: 09-28-07  
 Drawn By: C.H.



**NOTE:**  
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**\* NOTE:**  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

|                        |          |                       |
|------------------------|----------|-----------------------|
| (6") Topsoil Stripping | =        | 2,120 Cu. Yds.        |
| Remaining Location     | =        | 9,560 Cu. Yds.        |
| <b>TOTAL CUT</b>       | <b>=</b> | <b>11,680 CU.YDS.</b> |
| <b>FILL</b>            | <b>=</b> | <b>7,540 CU.YDS.</b>  |

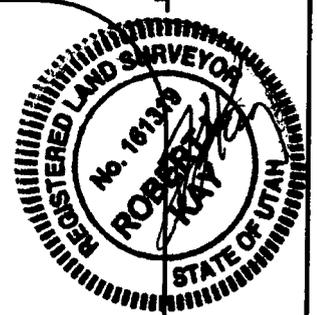
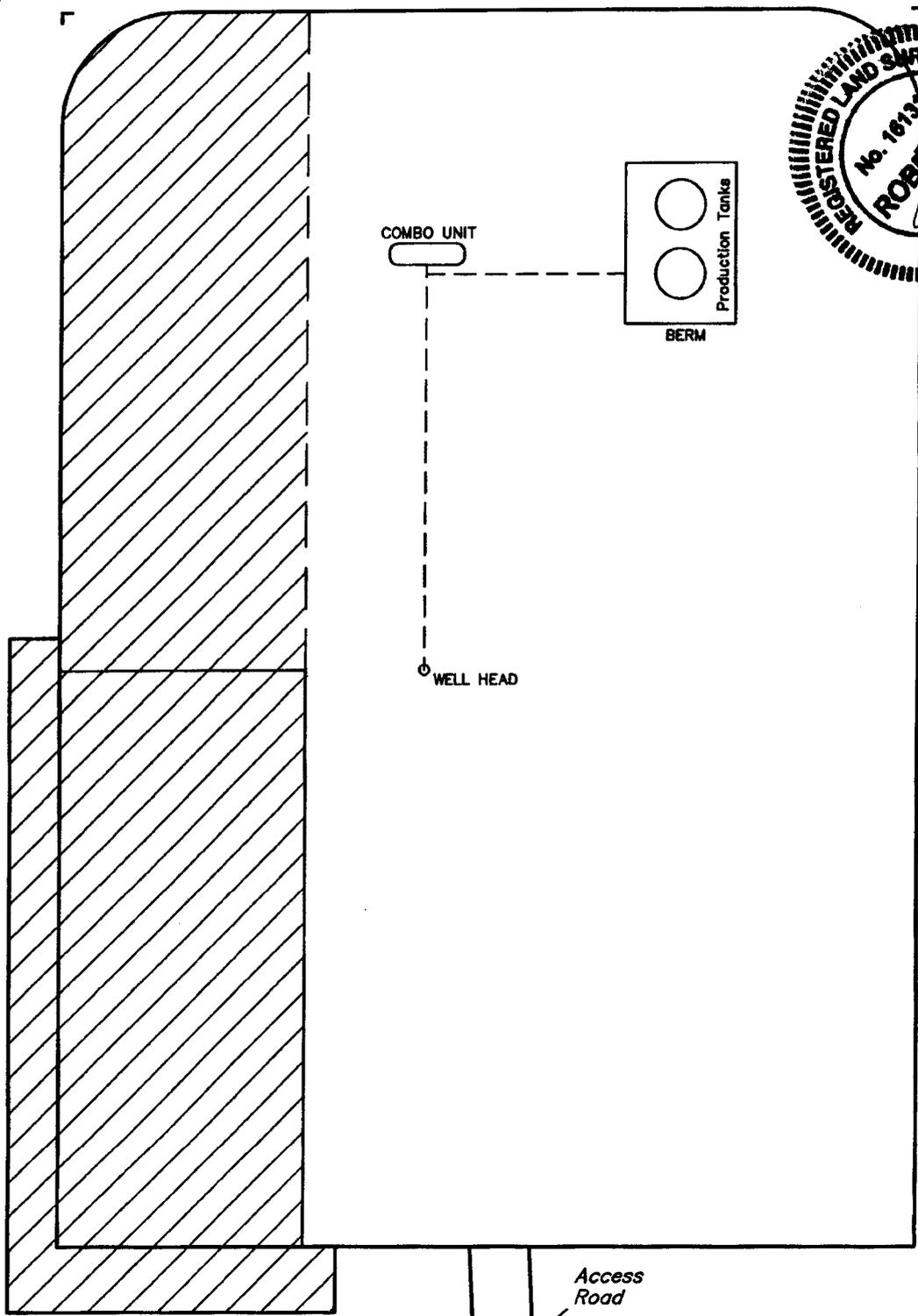
|   |   |                |
|---|---|----------------|
| EXCESS MATERIAL                                 | = | 4,140 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.)           | = | 4,140 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = | 0 Cu. Yds.     |

**EOG RESOURCES, INC.**  
**PRODUCTION FACILITY LAYOUT FOR**  
NBU #668-12E  
SECTION 12, T10S, R20E, S.L.B.&M.  
859' FNL 1915' FEL

**FIGURE #3**



SCALE: 1" = 50'  
DATE: 09-28-07  
Drawn By: C.H.



 RE-HABED AREA

Access Road  
**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# EOG RESOURCES, INC.

## NBU #668-12E

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 12, T10S, R20E, S.L.B.&M.

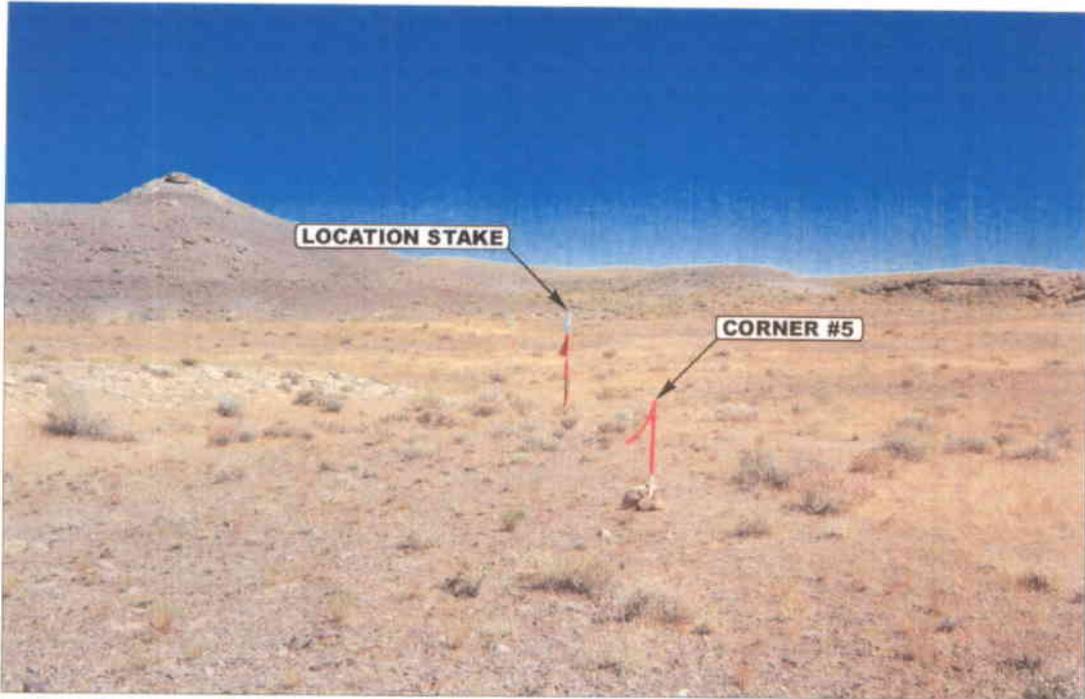


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

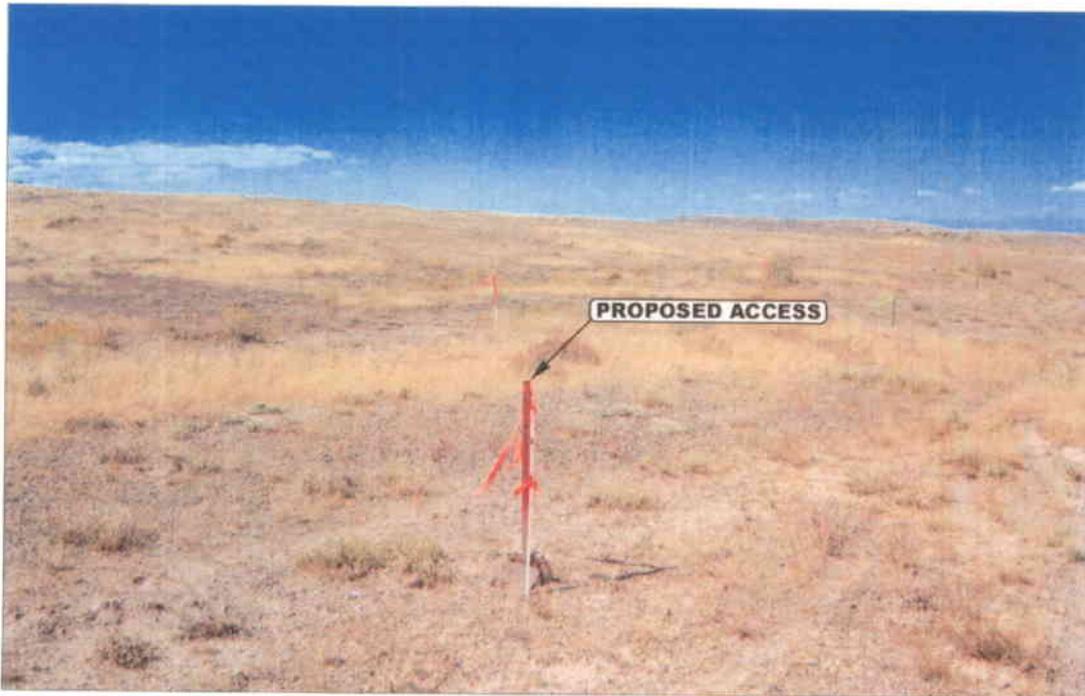


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

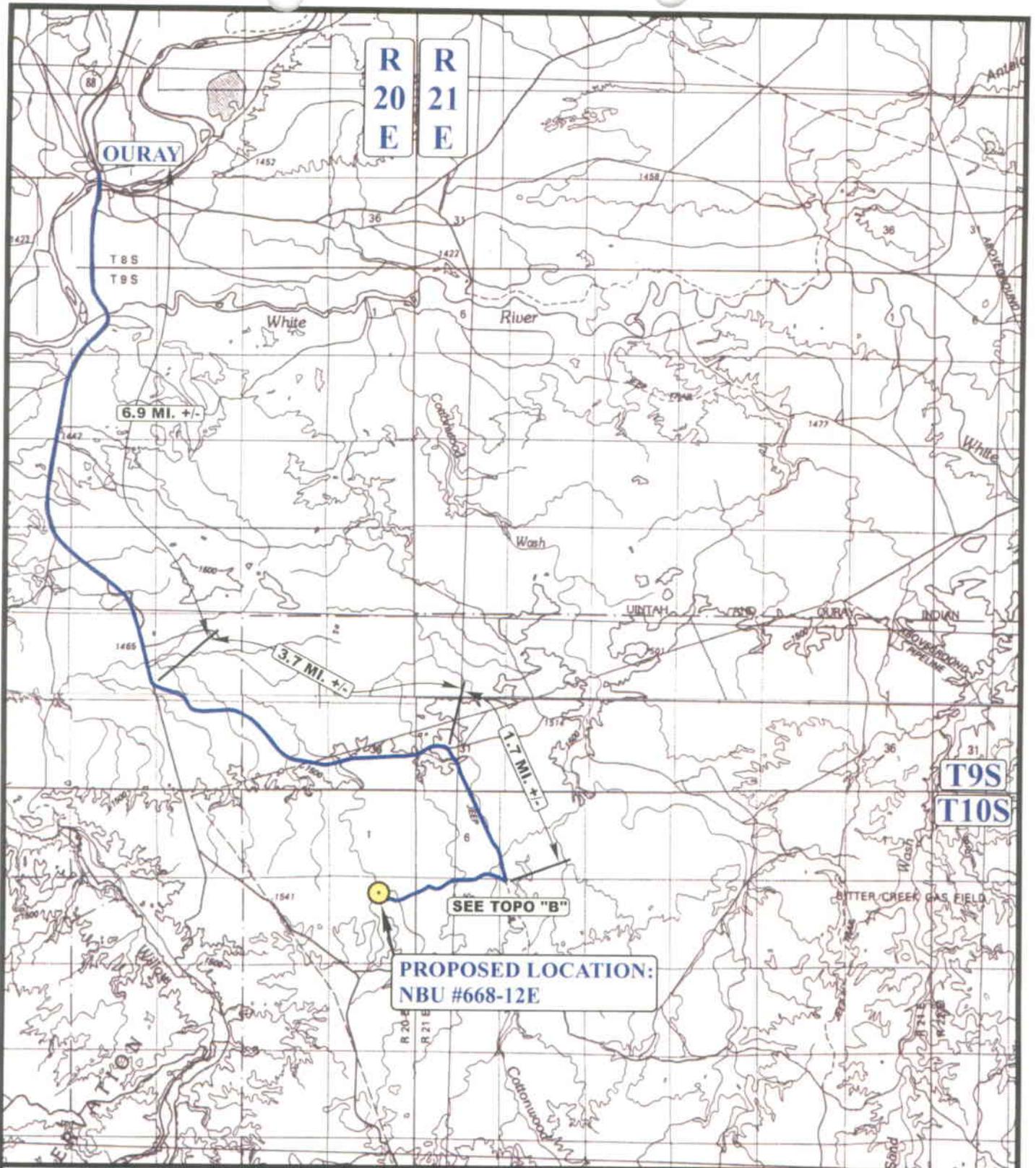
09 25 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: A.F.

DRAWN BY: Z.L.

REVISED: 00-00-00



**LEGEND:**

● PROPOSED LOCATION



**EOG RESOURCES, INC.**

NBU #668-12E  
SECTION 12, T10S, R20E, S.L.B.&M.  
859' FNL 1915' FEL



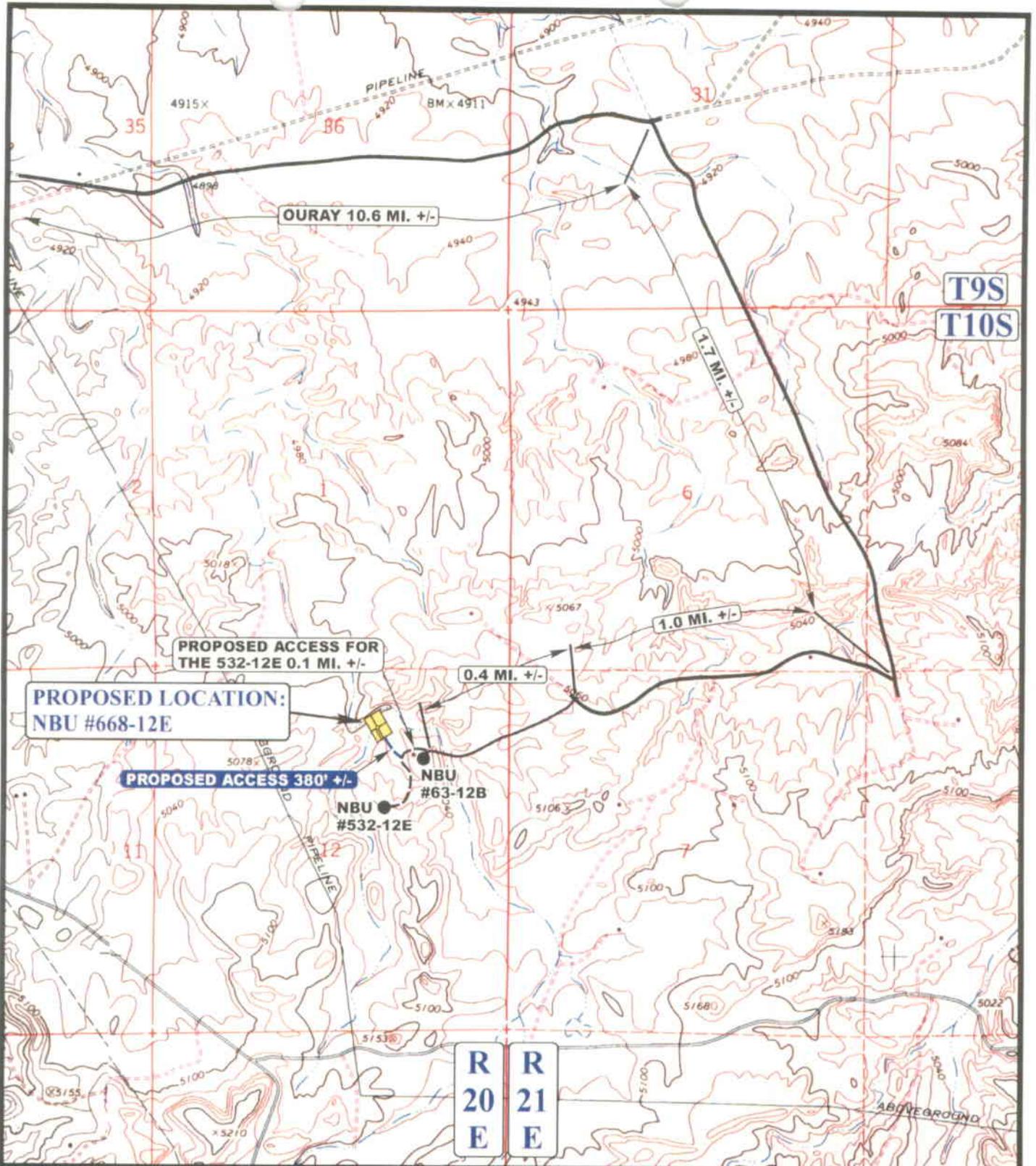
Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**09 25 07**  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

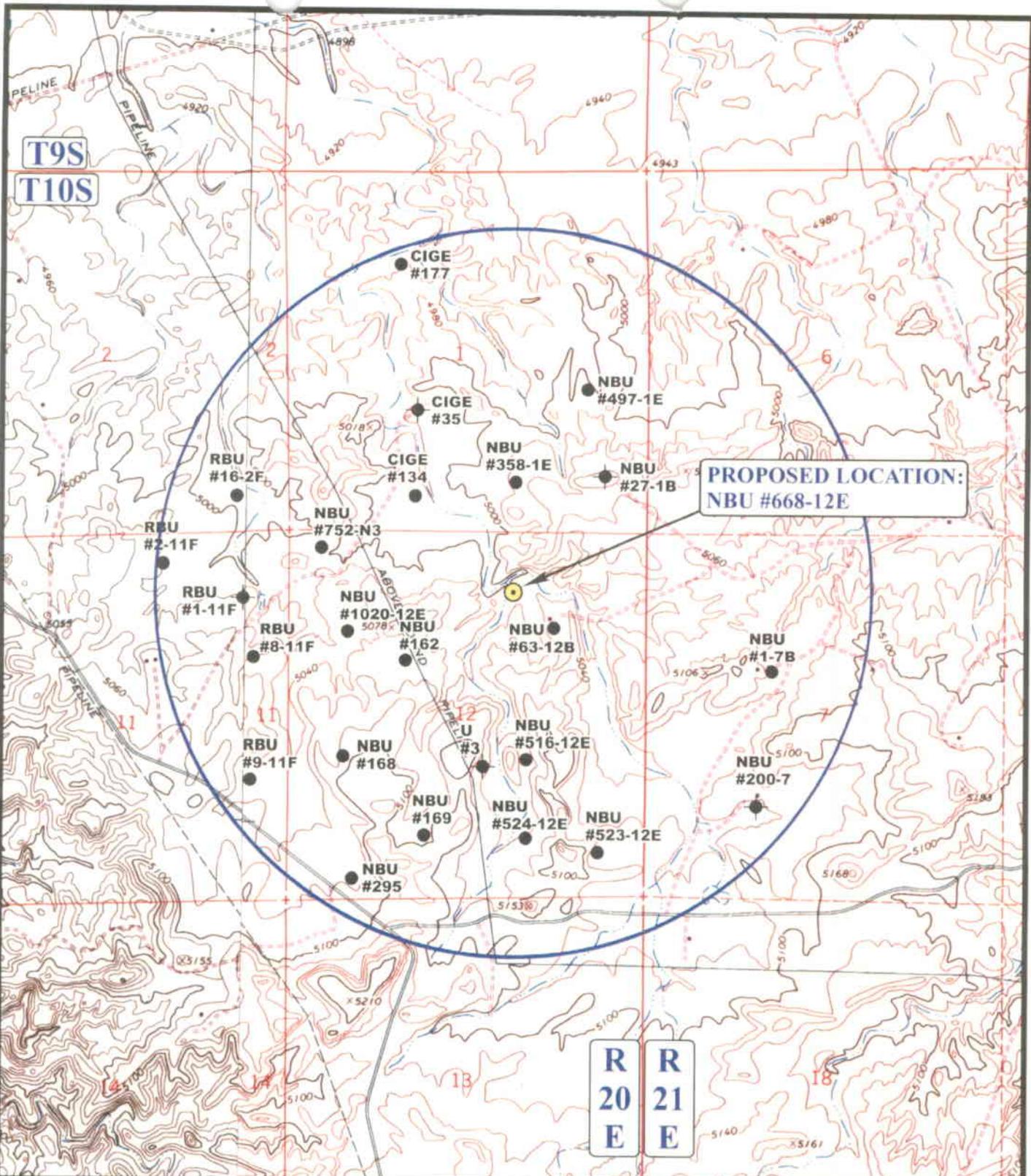


**EOG RESOURCES, INC.**

**NBU #668-12E**  
**SECTION 12, T10S, R20E, S.L.B.&M.**  
**859' FNL 1915' FEL**

**U E I S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** **09 25 07**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00 **B TOPO**



**PROPOSED LOCATION:  
NBU #668-12E**

**LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

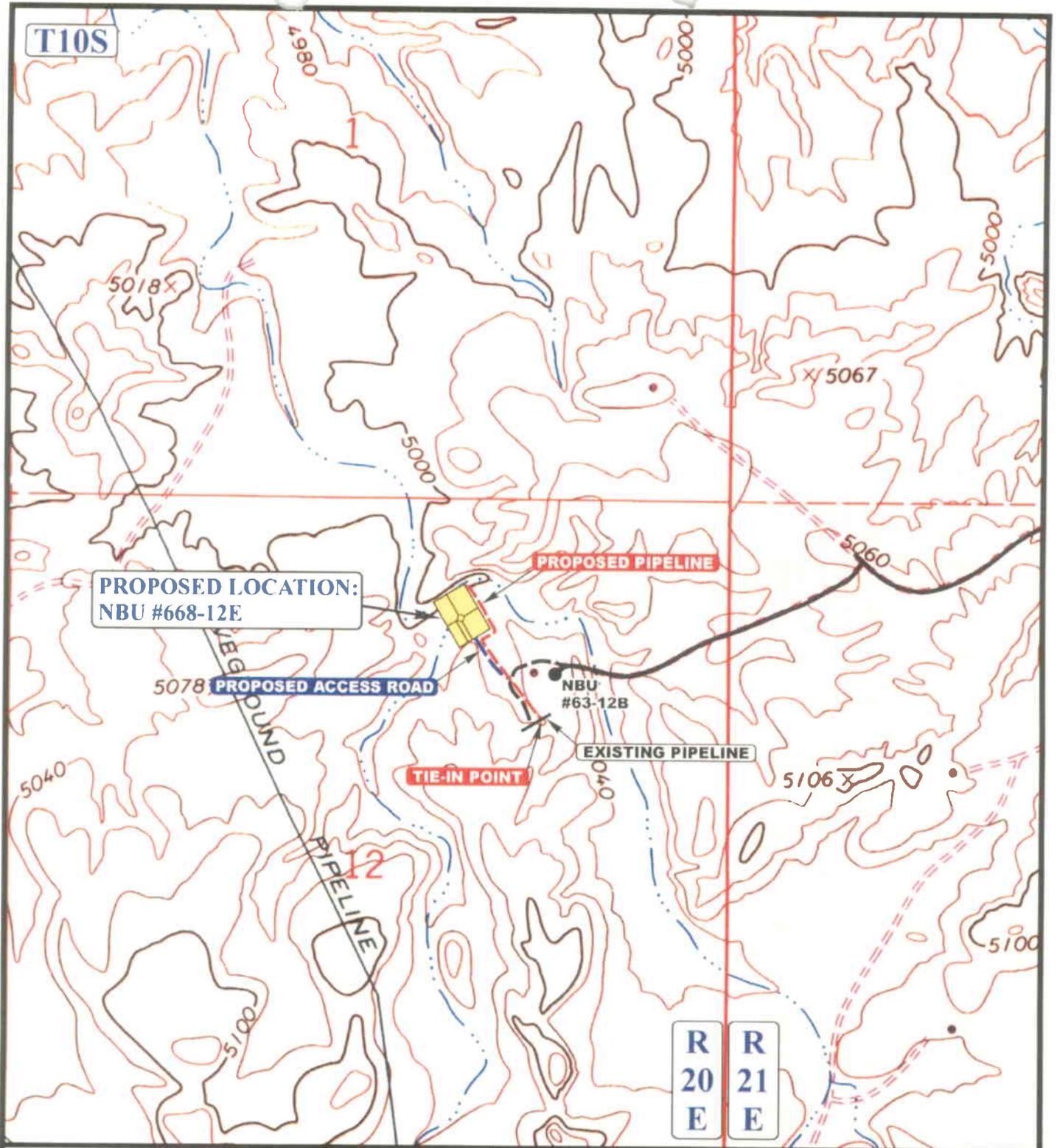
**EOG RESOURCES, INC.**

**NBU #668-12E  
SECTION 12, T10S, R20E, S.L.B.&M.  
859' FNL 1915' FEL**

**U&L S** **Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 • FAX (435) 789-1813



**TOPOGRAPHIC MAP** **09 25 07**  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00 **C TOPO**



**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,387' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



**EOG RESOURCES, INC.**

**NBU #668-12E**  
**SECTION 12, T10S, R20E, S.1.B.&M.**  
**859' FNL, 1915' FEL**

**UEIS** Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** **09 25 07**  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00 **D TOPO**

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/24/2007

API NO. ASSIGNED: 43-047-39901

WELL NAME: NBU 668-12E  
 OPERATOR: EOG RESOURCES, INC. ( N9550 )  
 CONTACT: MARY MAESTAS

PHONE NUMBER: 303-824-5526

PROPOSED LOCATION:  
 NWNE 12 100S 200E  
 SURFACE: 0859 FNL 1915 FEL  
 BOTTOM: 0859 FNL 1915 FEL  
 COUNTY: UINTAH  
 LATITUDE: 39.96744 LONGITUDE: -109.6106  
 UTM SURF EASTINGS: 618657 NORTHINGS: 4424857  
 FIELD NAME: NATURAL BUTTES ( 630 )

| INSPECT LOCATN BY: / / |          |      |
|------------------------|----------|------|
| Tech Review            | Initials | Date |
| Engineering            |          |      |
| Geology                |          |      |
| Surface                |          |      |

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU02270A  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. NM2308 )

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit  
 (No. 49-225 )

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_ )

Fee Surf Agreement (Y/N)

Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_\_\_ R649-2-3.

Unit: NATURAL BUTTES *bu*

\_\_\_\_\_ R649-3-2. General  
 Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_\_\_ R649-3-3. Exception

Drilling Unit  
 Board Cause No: 173-14  
 Eff Date: 12-2-7999  
 Siting: 460' for ulb drg & uncom. Traces

\_\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

STIPULATIONS: 1- Federal Approval  
2- OIL SHALE

\_\_\_\_\_

\_\_\_\_\_



CAUSE: 173-14 / 12-2-1999  
**NATURAL BUTTES FIELD**  
**NATURAL BUTTES UNIT**

OPERATOR: EOG RESOURCES INC (N9550)  
 SEC: 12 T.10S R. 20E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 CAUSE: 173-14 / 12-2-1999



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

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

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



PREPARED BY: DIANA MASON  
 DATE: 03-JANUARY-2008



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

January 3, 2008

EOG Resources, Inc.  
1060 East Highway 40  
Vernal, UT 84078

Re: Natural Buttes Unit 668-12E Well, 859' FNL, 1915' FEL, NW NE, Sec. 12, T. 10 South,  
R. 20 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 43-047-39901.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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



Operator: EOG Resources, Inc.  
Well Name & Number Natural Buttes Unit 668-12E  
API Number: 43-047-39901  
Lease: UTU02270A  
Location: NW NE                      Sec. 12                      T. 10 South                      R. 20 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  
Notify the Division within 24 hours of spudding the well.
  - Contact Carol Daniels at (801) 538-5284.  
Notify the Division prior to commencing operations to plug and abandon the well.
  - Contact 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.
4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

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

DEC 20 2007

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

**BLM**

|  |   |  |
|--|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>UTU02270A   |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone                         |   | 6. If Indian, Allottee or Tribe Name   |
| 2. Name of Operator<br>EOG RESOURCES INC<br>Contact: MARY A. MAESTAS<br>E-Mail: mary_maestas@eogresources.com  |   | 7. If Unit or CA Agreement, Name and No.<br>UTU63047A                                    |
| 3a. Address<br>1060 EAST HIGHWAY 40<br>VERNAL, UT 84078  | 3b. Phone No. (include area code)<br>Ph: 303-824-5526 | 8. Lease Name and Well No.<br>NBU 668-12E  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon<br>At proposed prod. zone NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon |   | 9. API Well No.<br>43 041 39901  |
| 14. Distance in miles and direction from nearest town or post office*<br>44.8 MILES SOUTH OF VERNAL, UTAH  |   | 10. Field and Pool, or Exploratory<br>NATURAL BUTTES                                     |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)<br>725'   | 16. No. of Acres in Lease                             | 11. Sec., T., R., M., or Blk. and Survey or Area<br>Sec 12 T10S R20E Mer SLB<br>SME: BLM |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.<br>770'  | 19. Proposed Depth<br>6516 MD                         | 12. County or Parish<br>UINTAH   |
| 21. Elevations (Show whether DF, KB, RT, GL, etc.)<br>5012 GL  | 22. Approximate date work will start                  | 13. State<br>UT  |
| 23. Estimated duration<br>45 DAYS  |   | 17. Spacing Unit dedicated to this well  |
| 20. BLM/BIA Bond No. on file<br>NM2308   |   |  |

24. Attachments

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

|   |  |                               |
|---|--|-------------------------------|
| 25. Signature<br>(Electronic Submission)                      | Name (Printed/Typed)<br>MARY A. MAESTAS Ph: 303-824-5526 | Date<br>12/19/2007            |
| Title<br>REGULATORY ASSISTANT                                 |  |                               |
| Approved by (Signature)<br>                                   | Name (Printed/Typed)<br>Jerry Jenkins                    | Date<br>DEC 24 2008           |
| Title<br>Assistant Field Manager<br>Lands & Mineral Resources |  | Office<br>VERNAL FIELD OFFICE |

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached:

**CONDITIONS OF APPROVAL ATTACHED**

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

Electronic Submission #57673 verified by the BLM Well Information System  
For EOG RESOURCES INC, sent to the Vernal  
Committed to AFMSS for processing by GAIL JENKINS on 12/20/2007 (08GXJ1218AE)

**RECEIVED**

**NOTICE OF APPROVAL**

DEC 30 2008

DIV. OF OIL, GAS & MINING



\*\* BLM REVISED \*\*

08GXJ1218AE NOS: 10/04/2007



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** EOG Resources, Inc.  
**Well No:** NBU 668-12E  
**API No:** 43-047-39901

**Location:** NWNE, Sec. 12, T10S, R20E  
**Lease No:** UTU-02270A  
**Agreement:** Natural Buttes Unit

| <b>Title</b>                      | <b>Name</b>     | <b>Office Phone Number</b> | <b>Cell Phone Number</b> |
|-----------------------------------|-----------------|----------------------------|--------------------------|
| Petroleum Engineer:               | Matt Baker      | (435) 781-4490             | (435) 828-4470           |
| Petroleum Engineer:               | Michael Lee     | (435) 781-4432             | (435) 828-7875           |
| Petroleum Engineer:               | Ryan Angus      | (435) 781-4430             | (435) 828-7368           |
| Supervisory Petroleum Technician: | Jamie Sparger   | (435) 781-4502             | (435) 828-3913           |
| Supervisory NRS:                  | Karl Wright     | (435) 781-4484             | (435) 828-7381           |
| NRS/Enviro Scientist:             | Holly Villa     | (435) 781-4404             | (435) 828-3544           |
| NRS/Enviro Scientist:             | James Hereford  | (435) 781-3412             |                          |
| NRS/Enviro Scientist:             | Chuck Macdonald | (435) 781-4441             | (435) 828-7481           |
| NRS/Enviro Scientist:             | Dan Emmett      | (435) 781-3414             |                          |
| NRS/Enviro Scientist:             | Paul Percival   | (435) 781-4493             |                          |
| NRS/Enviro Scientist:             | Anna Figueroa   | (435) 781-3407             | (435) 828-3548           |
| NRS/Enviro Scientist:             | Verlyn Pindell  | (435) 781-3402             | (435) 828-3547           |
| NRS/Enviro Scientist:             | Nathan Packer   | (435) 781-3405             | (435) 828-3545           |
| NRS/Enviro Scientist:             | David Gordon    | (435) 781-4424             |                          |

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

|   |  |
|---|--|
| Location Construction<br>(Notify Environmental Scientist)       | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Environmental Scientist)         | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)                      | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)          | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC COAs:**

- Prevent fill and stock piles from entering drainages.
- The access road shall be crowned and ditched. Flat-bladed roads are not allowed.
- The authorized officer may prohibit surface disturbing activities during severe winter, wet, or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches, or gravel (from a private or commercial source) etc. shall be needed to control the erosion. Low-water crossings and culverts shall be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Bury pipelines at all low water crossings.
- Surface pipelines will be placed 5-10 feet outside of the borrow area.
- Surface pipelines will be placed in such a way that they will not wander into the borrow area.
- Pipelines will be buried at all major road and drainage crossings.
- The pit liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- Rip Rap will be installed from corner B to corner 6.
- The existing drainage (from B to 6) will be re-established at interim reclamation.

- Permission to clear all wildlife stipulations would only be approved by the BLM authorized officer during the specific timing for the species potentially affected by this action.

No construction, drilling or fracing from May 15 to June 20 in order to protect antelope kidding habitat.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- The conductor pipe shall be set and cemented in a competent formation.
- A variance is granted for Onshore Order #2-Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored". Blooie line can be 75 feet. All other requirements in O.O. #2 III. E. Special Drilling Operations are applicable.
- Production casing cement shall be at a minimum 200 feet inside the surface casing. A CBL shall be run from TD to top of cement and a field copy shall be sent to this field office.
- The Gamma Ray log shall be run from TD to surface.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (1/4, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-02270-A

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
Natural Buttes

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

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
Natural Buttes Unit 668-12E

2. NAME OF OPERATOR:  
EOG Resources, Inc.

9. API NUMBER:  
43-047-39901

3. ADDRESS OF OPERATOR:  
1060 East Highway 40 Vernal UT 84078

PHONE NUMBER:  
(435) 781-9111

10. FIELD AND POOL, OR WILDCAT:  
Natural Buttes

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 859' FNL & 1915' FEL 39.967411 LAT 109.611319 LON

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 12 10S 20E S.L.B. & M.

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<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION          |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL               |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                    |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                          |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                          |
|   | <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/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                         |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u> |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <u>REQUEST</u>  |

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

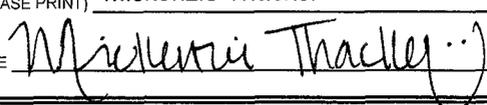
EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 01-07-09  
By: 

NAME (PLEASE PRINT) Mickenzie Thacker

TITLE Operations Clerk

SIGNATURE 

DATE 12/29/2008

(This space for State use only)

**COPY SENT TO OPERATOR**

Date: 1-8-2009

Initials: KS

(See Instructions on Reverse Side)

**RECEIVED**

**JAN 05 2009**

**DIV. OF OIL, GAS & MINING**



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-39901  
**Well Name:** Natural Buttes Unit 668-12E  
**Location:** 859 FNL & 1915 FEL (NWNE), SECTION 12, T10S, R20E S.L.B.&M  
**Company Permit Issued to:** EOG Resources, Inc.  
**Date Original Permit Issued:** 1/3/2008

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 right-of-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

Michelle Thacker  
Signature

12/29/2008  
Date

Title: Operations Clerk

Representing: EOG Resources, Inc.

**RECEIVED**  
**JAN 05 2009**  
 DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

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

5. Lease Serial No.  
UTU02270A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTES

8. Well Name and No.  
NATURAL BUTTES UNIT 668-12E

9. API Well No.  
43-047-39901

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EOG RESOURCES, INC. Contact: MICKENZIE THACKER  
E-Mail: MICKENZIE\_THACKER@EOGRESOURCES.COM

3a. Address  
1060 E. HWY 40  
VERNAL, UT 84078

3b. Phone No. (include area code)  
Ph: 453-781-9145

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 12 T10S R20E NWNE 859FNL 1915FEL  
39.96741 N Lat, 109.61132 W Lon

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

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

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

EOG Resources, Inc. respectfully requests authorization to change the Drilling Plan as per the attached.

Conductor size: Item 4

Air Drilling Variance: Items 7 & 13

Please see the attached revised Drilling Plan reflecting the purposed changes.

**COPY SENT TO OPERATOR**

Date: 4.28.2009

Initials: KS

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #68440 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal**

Name (Printed/Typed) MICKENZIE THACKER

Title OPERATIONS CLERK

Signature

*Mickenzie Thacker*

Date 03/26/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

*Donna D...*

Title

*Pet. Eng.*

Date 4/23/09

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

Office

*DOG M*

**Federal Approval Of This  
Action Is Necessary**

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.

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

**RECEIVED**

**MAR 30 2009**

DEPARTMENT OF OIL, GAS & MINING

4. **CASING PROGRAM:**

| <b><u>CASING</u></b> | <b><u>Hole Size</u></b> | <b><u>Length</u></b> | <b><u>Size</u></b> | <b><u>WEIGH T</u></b> | <b><u>Grade</u></b> | <b><u>Factor Burst</u></b> | <b><u>Tensile</u></b> |
|----------------------|-------------------------|----------------------|--------------------|-----------------------|---------------------|----------------------------|-----------------------|
| <b>Conductor</b>     | <b>20"</b>              | <b>40 - 60'</b>      | <b>14"</b>         | <b>32.5#</b>          | <b>A252</b>         | <b>1880 PSI</b>            | <b>10,000#</b>        |

7. **VARIANCE REQUESTS:**

**Reference:** Onshore Oil and Gas Order No. 1  
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

### **13. Air Drilling Operations:**

1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

| <b>FORMATION</b> | <b>TVD-RKB (ft)</b> | <b>Objective</b> | <b>Lithology</b> |     |
|------------------|---------------------|------------------|------------------|-----|
| Green River      | 1,362               |                  | Shale            |     |
| Wasatch          | 4,710               | Primary          | Sandstone        | Gas |
| Chapita Wells    | 5,350               | Primary          | Sandstone        | Gas |
| Buck Canyon      | 6,041               | Primary          | Sandstone        | Gas |
| North Horn       | 6,748               |                  | Sandstone        |     |
|                  |                     |                  |                  |     |
|                  |                     |                  |                  |     |
|                  |                     |                  |                  |     |
|                  |                     |                  |                  |     |
| <b>TD</b>        | <b>6,516</b>        |                  |                  |     |

Estimated TD: **6,516' or 200'± below Price River top**      **Anticipated BHP: 3,558 Psig**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
2. Cement isolation is installed to surface of the well isolating all zones by cement.

**3. PRESSURE CONTROL EQUIPMENT:**      Production Hole – 5000 Psig  
 BOP schematic diagrams attached.

**4. CASING PROGRAM:**

| <b>CASING</b> | <b>Hole Size</b> | <b>Length</b>      | <b>Size</b> | <b>WEIGHT</b> | <b>Grade</b> | <b>Thread</b> | <b>Rating Collapse</b> | <b>Factor Burst</b> | <b>Tensile</b> |
|---------------|------------------|--------------------|-------------|---------------|--------------|---------------|------------------------|---------------------|----------------|
| Conductor     | 20"              | 40 - 60'           | 14"         | 32.5#         | A252         |               |                        | 1880 PSI            | 10,000#        |
| Surface       | 12 1/4"          | 0' – 2,300'<br>KB± | 9-5/8"      | 36.0#         | J-55         | STC           | 2020 PSI               | 3520 Psi            | 394,000#       |
| Production    | 7-7/8"           | Surface – TD       | 4-1/2"      | 11.6#         | N-80         | LTC           | 6350 PSI               | 7780 Psi            | 233,000#       |
|               |                  |                    |             |               |              |               |                        |                     |                |

**Note:** 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

**All casing will be new or inspected.**

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**5. Float Equipment:**

**Surface Hole Procedure (0'- 2300'±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

**Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

**6. MUD PROGRAM**

**Surface Hole Procedure (Surface - 2300'±):**

Air/air mist or aerated water.

**Production Hole Procedure (2300'± - TD):** Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

**2300'± - TD** A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

**7. VARIANCE REQUESTS:**

**Reference:** Onshore Oil and Gas Order No. 1  
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

**8. EVALUATION PROGRAM:**

**Logs:** Mud log from base of surface casing to TD.

**Cased-hole Logs:** Cased-hole logs will be run in lieu of open-hole logs consisting of the following:  
**Cement Bond / Casing Collar Locator and Pulsed Neutron**

**9. CEMENT PROGRAM:**

**Surface Hole Procedure (Surface - 2300'±):**

**Lead:** 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

**Tail:** 207 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Top Out:** As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note:** Cement volumes will be calculated to bring lead cement to surface and tail cement to 500' above the casing shoe.

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**Production Hole Procedure (2300'± - TD)**

**Lead:** 140 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 397 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note:** The above number of sacks is based on gauge-hole calculation.  
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.  
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

**10. ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 2300'±):**

Lost circulation

**Production Hole (2300'± - TD):**

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

**11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**12. HAZARDOUS CHEMICALS:**

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 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 of this well.

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 668-12E**  
**NW/NE, SEC. 12, T10S, R20E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**13. Air Drilling Operations:**

1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: EOG Resources, LLC

Well Name: NBU 668-12E

API No: 43-047-39901 Lease Type: Federal

Section 12 Township 10S Range 20E County Uintah

Drilling Contractor \_\_\_\_\_ Rig # \_\_\_\_\_

### SPUDED:

Date 03/31/09

Time 8:00 AM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Ken

Telephone # \_\_\_\_\_

Date 03/31/2009 Signed RM

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

FORM 6

**ENTITY ACTION FORM**

Operator: EOG Resources, Inc. Operator Account Number: N 9550  
 Address: 1060 East Highway 40  
 city Vernal  
 state UT zip 84078 Phone Number: (435) 781-9145

Well 1

| API Number                       | Well Name                   |                   | QQ        | Sec | Twp                              | Rng | County |
|----------------------------------|-----------------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 43-047-39901                     | NATURAL BUTTES UNIT 668-12E |                   | NWNE      | 12  | 10S                              | 20E | UINTAH |
| Action Code                      | Current Entity Number       | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| <i>XB</i>                        | 99999                       | <i>2900</i>       | 3/31/2009 |     | <i>4/9/09</i>                    |     |        |
| Comments: <u>WASATCH = WSMVD</u> |                             |                   |           |     |                                  |     |        |

Well 2

| API Number                                     | Well Name                 |                   | QQ        | Sec | Twp                              | Rng | County |
|--|---------------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 43-047-50023                                   | CHAPITA WELLS UNIT 743-02 |                   | NESE      | 2   | 9S                               | 22E | UINTAH |
| Action Code                                    | Current Entity Number     | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| <i>XB</i>                                      | 99999                     | <i>4905</i>       | 4/2/2009  |     | <i>4/9/09</i>                    |     |        |
| Comments: <u>WASATCH</u><br><u>PRRV = MVRD</u> |                           |                   |           |     |                                  |     |        |

Well 3

| API Number   | Well Name                   |                   | QQ        | Sec | Twp                              | Rng | County |
|--|-----------------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 43-047-50058   | NATURAL BUTTES UNIT 641-13E |                   | NENE      | 13  | 10S                              | 22E | UINTAH |
| Action Code  | Current Entity Number       | New Entity Number | Spud Date |     | Entity Assignment Effective Date |     |        |
| <i>XB</i>  | 99999                       | <i>2900</i>       | 4/4/2009  |     | <i>4/9/09</i>                    |     |        |
| Comments: <u>WASATCH/MESAVERDE</u><br><u>PRRV = MVRD = WSMVD</u> |                             |                   |           |     |                                  |     |        |

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Mickenzie Thacker

Name (Please Print)

*Mickenzie Thacker*

Signature

Operations Clerk

4/3/2009

Title

Date

**RECEIVED**

**APR 06 2009**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

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

5. Lease Serial No.  
UTU02270A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTES

8. Well Name and No.  
NATURAL BUTTES UNIT 668-12E

9. API Well No.  
43-047-39901

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EOG RESOURCES, INC. Contact: MICKENZIE THACKER  
E-Mail: MICKENZIE\_THACKER@EOGRESOURCES.COM

3a. Address  
1060 E. HWY 40  
VERNAL, UT 84078  
3b. Phone No. (include area code)  
Ph: 453-781-9145

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 12 T10S R20E NWNE 859FNL 1915FEL  
39.96741 N Lat, 109.61132 W Lon

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

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

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

The referenced well was spud on 03/31/2009.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #68660 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal**

Name (Printed/Typed) MICKENZIE THACKER Title OPERATIONS CLERK

Signature *Mickenzie Thacker* Date 04/03/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

Office \_\_\_\_\_

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

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

**RECEIVED**  
**APR 07 2009**

|  |   |
|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b><br><br><b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU02270A                                    |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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. | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7. UNIT or CA AGREEMENT NAME:</b><br>NATURAL BUTTES          |
| <b>1. TYPE OF WELL</b><br>Gas Well   | <b>8. WELL NAME and NUMBER:</b><br>NBU 668-12E  |
| <b>2. NAME OF OPERATOR:</b><br>EOG Resources, Inc.   | <b>9. API NUMBER:</b><br>43047399010000   |
| <b>3. ADDRESS OF OPERATOR:</b><br>1060 East Highway 40 , Vernal, UT, 84078   | <b>PHONE NUMBER:</b><br>435 781-9111 Ext  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0859 FNL 1915 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NWNE Section: 12 Township: 10.0S Range: 20.0E Meridian: S  | <b>9. FIELD and POOL or WILDCAT:</b><br>NATURAL BUTTES<br><br><b>COUNTY:</b><br>UINTAH<br><br><b>STATE:</b><br>UTAH |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |   |
|--|---|---|---|
| <input type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE                                      | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>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"/> <b>SPUD REPORT</b><br>Date of Spud:                           | <input type="checkbox"/> CHANGE WELL STATUS                           | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input checked="" type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:<br>7/6/2009 | <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 checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b> | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION                | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                                | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                                | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION                   | <input type="checkbox"/> OTHER                          | OTHER:  |

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

The referenced well was turned to sales on 7/6/2009. Please see the attached operations summary report for drilling and completion operations performed on the subject well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 July 13, 2009

|   |                                     |                                  |
|---|-------------------------------------|----------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Mickenzie Thacker | <b>PHONE NUMBER</b><br>435 781-9145 | <b>TITLE</b><br>Operations Clerk |
| <b>SIGNATURE</b><br>N/A                         | <b>DATE</b><br>7/9/2009             |                                  |

# WELL CHRONOLOGY REPORT

Report Generated On: 07-09-2009

|                      |  |                  |              |                      |              |
|----------------------|--|------------------|--------------|----------------------|--------------|
| <b>Well Name</b>     | NBU 668-12E                                      | <b>Well Type</b> | DEVG         | <b>Division</b>      | DENVER       |
| <b>Field</b>         | NATURAL BUTTES UNIT                              | <b>API #</b>     | 43-047-39901 | <b>Well Class</b>    | 1SA          |
| <b>County, State</b> | UINTAH, UT                                       | <b>Spud Date</b> | 05-09-2009   | <b>Class Date</b>    | 07-06-2009   |
| <b>Tax Credit</b>    | N  | <b>TVD / MD</b>  | 6,516/ 6,516 | <b>Property #</b>    | 062375       |
| <b>Water Depth</b>   | 0  | <b>Last CSG</b>  | 2.375        | <b>Shoe TVD / MD</b> | 4,995/ 4,995 |
| <b>KB / GL Elev</b>  | 5,025/ 5,012                                     |                  |              |                      |              |
| <b>Location</b>      | Section 12, T10S, R20E, NWNE, 859 FNL & 1915 FEL |                  |              |                      |              |

|                 |                    |                    |                  |              |        |
|-----------------|--------------------|--------------------|------------------|--------------|--------|
| <b>Event No</b> | 1.0                | <b>Description</b> | DRILL & COMPLETE |              |        |
| <b>Operator</b> | EOG RESOURCES, INC | <b>WI %</b>        | 100.0            | <b>NRI %</b> | 72.197 |

|                              |                   |                    |               |                        |                  |
|------------------------------|-------------------|--------------------|---------------|------------------------|------------------|
| <b>AFE No</b>                | 306047            | <b>AFE Total</b>   | 1,232,365     | <b>DHC / CWC</b>       | 553,365/ 679,000 |
| <b>Rig Contr</b>             | ELENBURG          | <b>Rig Name</b>    | ELENBURG #28  | <b>Start Date</b>      | 02-13-2008       |
|                              |                   |                    |               | <b>Release Date</b>    | 05-12-2009       |
| <b>02-13-2008</b>            |                   | <b>Reported By</b> |               |                        |                  |
| <b>Daily Costs: Drilling</b> | \$0               | <b>Completion</b>  | \$0           | <b>Daily Total</b>     | \$0              |
| <b>Cum Costs: Drilling</b>   | \$0               | <b>Completion</b>  | \$0           | <b>Well Total</b>      | \$0              |
| <b>MD</b>                    | 0                 | <b>TVD</b>         | 0             | <b>Progress</b>        | 0                |
|                              |                   |                    |               | <b>Days</b>            | 0                |
|                              |                   |                    |               | <b>MW</b>              | 0.0              |
|                              |                   |                    |               | <b>Visc</b>            | 0.0              |
| <b>Formation :</b>           | <b>PBTD : 0.0</b> |                    | <b>Perf :</b> | <b>PKR Depth : 0.0</b> |                  |

Activity at Report Time: LOCATION DATA

| Start | End   | Hrs  | Activity Description   |
|-------|-------|------|--|
| 06:00 | 06:00 | 24.0 | LOCATION DATA:   |
|       |       |      | 859' FNL & 1915' FEL (NW/NE)   |
|       |       |      | SECTION 12, T10S, R20E   |
|       |       |      | UINTAH COUNTY, UTAH  |
|       |       |      | <br>   |
|       |       |      | LAT 39.967411, LONG 109.611319 (NAD 83)  |
|       |       |      | LAT 39.967411, LONG 109.611319 (NAD 27)  |
|       |       |      | <br>   |
|       |       |      | ELENBURG #28   |
|       |       |      | OBJECTIVE: 6516' TD, WASATCH   |
|       |       |      | DW/GAS   |
|       |       |      | NATURAL BUTTES PROSPECT  |
|       |       |      | DD&A: NATURAL BUTTES   |
|       |       |      | NATURAL BUTTES FIELD   |
|       |       |      | <br>   |
|       |       |      | LEASE: UTU-02270A  |
|       |       |      | ELEVATION: 5012.1' NAT GL, 5011.6' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5012'), 5025' KB (13') |
|       |       |      | <br>   |
|       |       |      | EOG BPO WI 100%, NRI 73.946716%  |
|       |       |      | EOG APO WI 66.67%, NRI 49.394976%  |

**03-27-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$37,695      **Completion**      \$0      **Daily Total**      \$37,695

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      0      **TVD**      0      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** LOCATION BUILD

| Start | End   | Hrs  | Activity Description |
|-------|-------|------|----------------------|
| 06:00 | 06:00 | 24.0 | START LOCATION.      |

**03-30-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      0      **TVD**      0      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** LOCATION BUILD

| Start | End   | Hrs  | Activity Description         |
|-------|-------|------|------------------------------|
| 06:00 | 06:00 | 24.0 | STARTING CLOSED LOOP SYSTEM. |

**03-31-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      0      **TVD**      0      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** BUILD LOCATION

| Start | End   | Hrs  | Activity Description         |
|-------|-------|------|------------------------------|
| 06:00 | 06:00 | 24.0 | STARTING CLOSED LOOP SYSTEM. |

**04-01-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      0      **TVD**      0      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** BUILD LOCATION

| Start | End   | Hrs  | Activity Description             |
|-------|-------|------|----------------------------------|
| 06:00 | 06:00 | 24.0 | CLOSED LOOP SYSTEM 50% COMPLETE. |

**04-02-2009**      **Reported By**      TERRY CSERE/KENT DEVENPORT

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      60      **TVD**      60      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD : 0.0**      **Perf :**      **PKR Depth : 0.0**

**Activity at Report Time:** BUILD LOCATION/SPUD NOTIFICATION

| Start | End | Hrs | Activity Description |
|-------|-----|-----|----------------------|
|-------|-----|-----|----------------------|

06:00 06:00 24.0 CLOSED LOOP 90% COMPLETE. WO GEL. CRAIGS ROUSTABOUT SERVICE SPUD A 20" HOLE ON 3/31/09 @ 09:00 AM. SET 760' OF 14" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. CAROL DANIELS W/UDOGM WAS NOTIFIED BY PHONE MESSAGE AND BLM WAS NOTIFIED BY EMAIL OF SPUD ON 3/30/09 @ 03:57 PM.

**04-03-2009**      **Reported By**      TERRY CSERE

**DailyCosts: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      60      **TVD**      60      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD :** 0.0      **Perf :**      **PKR Depth :** 0.0

**Activity at Report Time:** BUILD LOCATION

**Start**      **End**      **Hrs**      **Activity Description**

06:00      06:00      24.0      APPLYING GEL TO CLOSED LOOP SYSTEM.

**04-06-2009**      **Reported By**      TERRY CSERE

**DailyCosts: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      60      **TVD**      60      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD :** 0.0      **Perf :**      **PKR Depth :** 0.0

**Activity at Report Time:** LOCATION BUILD

**Start**      **End**      **Hrs**      **Activity Description**

06:00      06:00      24.0      APPLYING GEL TO CLOSED LOOP SYSTEM.

**04-07-2009**      **Reported By**      TERRY CSERE

**DailyCosts: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0

**Cum Costs: Drilling**      \$37,695      **Completion**      \$0      **Well Total**      \$37,695

**MD**      60      **TVD**      60      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD :** 0.0      **Perf :**      **PKR Depth :** 0.0

**Activity at Report Time:** LOCATION BUILD

**Start**      **End**      **Hrs**      **Activity Description**

06:00      06:00      24.0      LOCATION COMPLETE.

**04-30-2009**      **Reported By**      PETE COMEAU

**DailyCosts: Drilling**      \$266,751      **Completion**      \$0      **Daily Total**      \$266,751

**Cum Costs: Drilling**      \$304,446      **Completion**      \$0      **Well Total**      \$304,446

**MD**      2,273      **TVD**      2,273      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

**Formation :**      **PBTD :** 0.0      **Perf :**      **PKR Depth :** 0.0

**Activity at Report Time:** WORT

**Start**      **End**      **Hrs**      **Activity Description**

06:00      06:00      24.0      MIRU CRAIG'S AIR RIG #3 ON 4/01/2009. DRILLED 12-1/4" HOLE TO 2260' GL (2273' KB). ENCOUNTERED NO WATER. DRILLED WITH FLUID FROM 2020' TO TD AND CIRCULATED DISPOSAL WATER 2 HOURS. RAN 52 JTS (2246.43') OF 9-5/8", 36.0#, J-55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2259' KB. RAN 200' OF 1" PIPE IN 9 5/8" ANNULUS. RDMO CRAIGS RIG #3.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 160 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED AND PUMPED 250 SACKS (186.5) BBLs OF PREMIUM CEMENT W/ 0.2% VARSET, 2% CALSEAL, & 2% EX-1 MIXED LEAD CEMENT @ 10.5 PPG W/YIELD OF 4.1 CFS. TAIL: MIXED AND PUMPED 300 SACKS (63 BBLs) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/ YIELD OF 1.18 CF/SX. DISPLACED CEMENT W/170 BBLs FRESH WATER. BUMPED PLUG W/ 850# @ 05:15, 4/17/2009 FLOATS DI NOT HOLD. CLOSED CASING VALVE AND HELD PRESSURE FOR 4 HOURS (MONITOR AND BLEED PRESSURE AS REQUIRED) . NO RETURNS OF CEMENT TO SURFACE. WOC 4 HOURS.

TOP JOB # 1: DOWN 200' OF 1' PIPE, MIXED & PUMPED 150 SX (31 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS OF CEMENT DURING TOP JOB.

TOP JOB # 2: MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. RETURNS OF 1.5 BBLs OF CEMENT. WOC 1.5 HOURS.

TOP JOB # 3: MIXED & PUMPED 100 SX (21 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @ 1400' = 1.00 DEGREE & 2240' = 1.5 DEGREE.

KENT DEVENPORT NOTIFIED BLM VIA ELCTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 4/15/2009 @ 15:00 PM.

PETE COMEAU CONTACTED CAROL DANIELS OF SURFACE CASING AND CEMENTING ON 4/15/09 @ 16:00 PM.

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**05-09-2009**      **Reported By**                      MATT WILLIAMS

|                             |                   |                   |               |                        |           |             |   |           |     |             |      |
|-----------------------------|-------------------|-------------------|---------------|------------------------|-----------|-------------|---|-----------|-----|-------------|------|
| <b>DailyCosts: Drilling</b> | \$96,347          | <b>Completion</b> | \$0           | <b>Daily Total</b>     | \$96,347  |             |   |           |     |             |      |
| <b>Cum Costs: Drilling</b>  | \$400,793         | <b>Completion</b> | \$0           | <b>Well Total</b>      | \$400,793 |             |   |           |     |             |      |
| <b>MD</b>                   | 2,901             | <b>TVD</b>        | 2,901         | <b>Progress</b>        | 628       | <b>Days</b> | 1 | <b>MW</b> | 9.2 | <b>Visc</b> | 29.0 |
| <b>Formation :</b>          | <b>PBTD : 0.0</b> |                   | <b>Perf :</b> | <b>PKR Depth : 0.0</b> |           |             |   |           |     |             |      |

**Activity at Report Time:** DRILLING @ 2901'

| Start | End   | Hrs | Activity Description  |
|-------|-------|-----|---|
| 06:00 | 06:30 | 0.5 | HOLD PJSM WITH HOWCROFT AND RIG CREWS.  |
| 06:30 | 13:00 | 6.5 | MOVE & RIG UP ON NEW LOCATION NBU 668-12E, 17.3 MILES. SET BOP TEST DTO HEAD TO 5000 PSI. W/ FMC LOCK DOWN BOP, CONTINUE RIGING UP.<br>INSTALL NIGHT CAP ON CWU 670-29E W/ FMC.   |
| 13:00 | 16:00 | 3.0 | NIPPLE UP BOP'S AND FLARE LINES. RIG ON DAYWORK @ 13:00 ON 5/8/09.  |
| 16:00 | 20:00 | 4.0 | TEST BOP AS FOLLOWS: PIPE RAMS, BLIND RAMS, CHOKE, CHOKE LINE, KILL LINE, UPPER KELLY, LOWER KELLY, FLOOR VALVE & DART VALVE TO 250 PSI LOW & 5000 PSI HIGH. TEST ANNULAR 250 PSI LOW & 2500 PSI HIGH. PRESSURE TEST CASING TO 1500 PSI FOR 30 MIN. |
| 20:00 | 20:30 | 0.5 | SET WEAR BUSHING.   |
| 20:30 | 22:30 | 2.0 | P/U & M/U BHA. TRIP IN HOLE, TAGGED CEMENT @ 2170'.   |
| 22:30 | 23:00 | 0.5 | DRILL CEMENT AND FLOAT EQUIP FROM 2170' TO 2273' + 10 OF NEW HOLE.  |
| 23:00 | 23:30 | 0.5 | CIRCULATE AND PERFORM FIT TEST. 160 PSI, 9.2 MWT @ 2283' = 10.5 EMW.  |
| 23:30 | 00:00 | 0.5 | WIRELINE SURVEY @ 2267 = 3 DEGREE'S.  |
| 00:00 | 04:00 | 4.0 | DRLG F/ 2273' TO 2765', ROP 123, WOB 12/20, RPM 40/60, TQ 7500/10500.   |

04:00 04:30 0.5 WIRELINE SURVEY @ 2711' = 2.25 DEGREE'S.  
 04:30 06:00 1.5 DRLG F/ 2765' TO 2901', ROP 90.5, WOB 15/ 20, RPM 40/55, TQ 8000/10500, MWT 9.2, VIS 29.  
 MUD LOSS LAST 24 HRS, 0 BBLS.  
 MUD WT 9.2, VIS 29.  
  
 ACCIDENTS: NONE REPORTED.  
 FUNCTION TEST CROWN-O-MATIC.  
 SAFTEY MEETING: MOVING RIG, INSPECT DRAWWORKS .  
 CREWS FULL.  
 FUEL ON HAND: 6450 GALS. USED 400, RECIEVED 4100 GALS.  
 FORMATION TOP: MAHAGONY.

06:00 SPUD A 7 7/8" PRODUCTION HOLE @ 00:00 HRS, ON 5/09/09.

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|                             |                    |                   |       |                    |                        |             |   |           |     |             |      |
|-----------------------------|--------------------|-------------------|-------|--------------------|------------------------|-------------|---|-----------|-----|-------------|------|
| <b>05-10-2009</b>           | <b>Reported By</b> | MATT WILLIAMS     |       |                    |                        |             |   |           |     |             |      |
| <b>DailyCosts: Drilling</b> | \$24,988           | <b>Completion</b> | \$0   | <b>Daily Total</b> | \$24,988               |             |   |           |     |             |      |
| <b>Cum Costs: Drilling</b>  | \$425,782          | <b>Completion</b> | \$0   | <b>Well Total</b>  | \$425,782              |             |   |           |     |             |      |
| <b>MD</b>                   | 5,210              | <b>TVD</b>        | 5,210 | <b>Progress</b>    | 2,309                  | <b>Days</b> | 2 | <b>MW</b> | 9.9 | <b>Visc</b> | 32.0 |
| <b>Formation :</b>          | <b>PBTD : 0.0</b>  |                   |       | <b>Perf :</b>      | <b>PKR Depth : 0.0</b> |             |   |           |     |             |      |

**Activity at Report Time:** DRILLING @ 5210'

| Start | End   | Hrs  | Activity Description  |
|-------|-------|------|---|
| 06:00 | 14:00 | 8.0  | DRLG F/ 2901' TO 3942', ROP 130, WOB 15/22, RPM 40/50, TQ 7500,11000.   |
| 14:00 | 14:30 | 0.5  | SERVICE RIG.  |
| 14:30 | 19:30 | 5.0  | DRLG F/ 3942' TO 4576', ROP 126, WOB 15/22, RPM 40/60, TQ 7000/11200.   |
| 19:30 | 20:00 | 0.5  | TAKE WIRELINE SURVEY @ 4520' = 2 DEGREE'S.  |
| 20:00 | 06:00 | 10.0 | DRLG F/ 4576' TO 5210', ROP 63, WOB 10/22, RPM 40/65, TQ 5500/11200, MWT 9.9, VIS 32.<br>MUD LOSS LAST 24 HRS, 0 BBLS.<br>MUD WT 9.9, VIS 32.<br><br>ACCIDENTS: NONE REPORTED.<br>FUNCTION TEST CROWN-O-MATIC.<br>SAFTEY MEETING: MOVING CUTTINGS WITH FORKLIFT .<br>CREWS FULL.<br>FUEL ON HAND: 5211 GALS. USED 1239, RECIEVED 0 GALS.<br>FORMATION TOP: CHAPITA WELLS. |

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|                             |                    |                   |       |                    |                        |             |   |           |      |             |      |
|-----------------------------|--------------------|-------------------|-------|--------------------|------------------------|-------------|---|-----------|------|-------------|------|
| <b>05-11-2009</b>           | <b>Reported By</b> | MATT WILLIAMS     |       |                    |                        |             |   |           |      |             |      |
| <b>DailyCosts: Drilling</b> | \$27,949           | <b>Completion</b> | \$0   | <b>Daily Total</b> | \$27,949               |             |   |           |      |             |      |
| <b>Cum Costs: Drilling</b>  | \$449,138          | <b>Completion</b> | \$0   | <b>Well Total</b>  | \$449,138              |             |   |           |      |             |      |
| <b>MD</b>                   | 6,516              | <b>TVD</b>        | 6,516 | <b>Progress</b>    | 1,306                  | <b>Days</b> | 3 | <b>MW</b> | 10.1 | <b>Visc</b> | 34.0 |
| <b>Formation :</b>          | <b>PBTD : 0.0</b>  |                   |       | <b>Perf :</b>      | <b>PKR Depth : 0.0</b> |             |   |           |      |             |      |

**Activity at Report Time:** LD DP

| Start | End   | Hrs | Activity Description  |
|-------|-------|-----|---|
| 06:00 | 15:00 | 9.0 | DRLG F/ 5210' TO 5754', ROP 60, WOB 15/22, RPM 40/50, TQ 7500/11,000. |
| 15:00 | 15:30 | 0.5 | SERVICE RIG.  |

15:30 01:00 9.5 DRLG F/ 5754' TO 6516', ROP 80, WOB 18/22, RPM 40/50, TQ 7500/11500, MWT 10.2, VIS 32. REACHED TD @ 01:00 HRS, ON 5/11/09.

01:00 02:00 1.0 PUMP SWEEP AND CIRC FOR SHORT TRIP.

02:00 02:30 0.5 SHORT TRIP.

02:30 03:30 1.0 PUMP SWEEP AND CIRC.

03:30 04:00 0.5 DROP SURVEY, SPOT 200 BBL, 12.5 PPG PILL ( 11.1 EMW ).

04:00 06:00 2.0 TRIP OUT OF HOLE LAYING DOWN DRILL PIPE.  
MUD LOSS LAST 24 HRS, 0 BBLs.  
MUD WT 10.2, VIS 33.

ACCIDENTS: NONE REPORTED.  
FUNCTION TEST CROWN-O-MATIC.  
SAFTEY MEETING: UNLOADING CASING, MAKING CONN .  
CREWS FULL.  
FUEL ON HAND: 3871 GALS. USED 1340, RECIEVED 0 GALS.  
FORMATION TOP: PRICE RIVER.

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|                              |                    |                   |           |                    |                        |             |   |           |     |             |     |
|------------------------------|--------------------|-------------------|-----------|--------------------|------------------------|-------------|---|-----------|-----|-------------|-----|
| <b>05-12-2009</b>            | <b>Reported By</b> | MATT WILLIAMS     |           |                    |                        |             |   |           |     |             |     |
| <b>Daily Costs: Drilling</b> | \$55,208           | <b>Completion</b> | \$122,558 | <b>Daily Total</b> | \$177,766              |             |   |           |     |             |     |
| <b>Cum Costs: Drilling</b>   | \$504,347          | <b>Completion</b> | \$122,558 | <b>Well Total</b>  | \$626,905              |             |   |           |     |             |     |
| <b>MD</b>                    | 6,516              | <b>TVD</b>        | 6,516     | <b>Progress</b>    | 0                      | <b>Days</b> | 4 | <b>MW</b> | 0.0 | <b>Visc</b> | 0.0 |
| <b>Formation :</b>           | <b>PBTD : 0.0</b>  |                   |           | <b>Perf :</b>      | <b>PKR Depth : 0.0</b> |             |   |           |     |             |     |

**Activity at Report Time:** RDRT/WO COMPLETION

| <b>Start</b> | <b>End</b> | <b>Hrs</b> | <b>Activity Description</b>   |
|--------------|------------|------------|---|
| 06:00        | 08:30      | 2.5        | TRIP OUT OF HOLE LAYING DOWN DRILL PIPE AND BHA.  |
| 08:30        | 09:00      | 0.5        | PULL WEAR BUSHING.  |
| 09:00        | 09:30      | 0.5        | HOLD PJSM & R/U FRANKS CSG EQUIPMENT.   |
| 09:30        | 15:30      | 6.0        | RAN 152 TOTAL JOINTS (150 FULL JOINTS + 2 MARKER JOINT) OF 4.5", 11.6#N-80, LTC CASING AS FOLLOWS: 1 HALLIBURTON FLOAT SHOE SET @ 6515', 1 JOINT OF CASING, 1 HALLIBURTON FLOAT COLLAR SET @ 6471', 8 JOINTS OF CASING & 1- 20' MARKER JOINT SET @ 6110', 42 JOINTS OF CASING, 1 MARKER JT @ 4291', 99 JTS OF CASING. CASING HANGER ASSEMBLY. RUN 15 TOTAL CENTRALIZERS AS FOLLOWS, 5' ABOVE SHOE ON JOINT #1 & ON TOP OF JOINT #2, THEN EVERY 3RD JT. CONFIRMED TD WITH CASING, TAGGING AT 6515' WITH JOINT #155. SET CASING IN MANDREL HANGER WITH FULL STRING WEIGHT. (63,000# WITHOUT BLOCK WEIGHT). R/D FRANKS CASING EQUIP.   |
| 15:30        | 18:00      | 2.5        | CIRC WHILE WAITING ON HALIBURTON CEMENTERS TO ARRIVE ON LOCATION.   |
| 18:00        | 19:30      | 1.5        | RIG UP HALLIBURTON CEMENT EQUIP, AND HOLD PJSM.   |
| 19:30        | 21:00      | 1.5        | RIGGED UP CEMENT HEAD, PRESSURE TESTED LINES TO 4000 PSI & CEMENT 4 1/2" PRODUCTION CASING AS FOLLOWS: PUMPED 20 BBLs MUD FLUSH SPACER. PUMPED 10 BBLs FRESH WATER SPACER, PUMPED 503 SACKS (164 BBLs) OF HIGHBOND 75 PREMIUM - CLASS G CEMENT WITH 2% BENTONITE, 2 MICROBOND, .3% VERSASET @ 11.5 PPG, 1.837 CFPS, 9.863 GPS FRESH WATER. PUMPED LEAD CEMENT @ 8 BPM. PUMPED 584 SACKS (152 BBLs) EXTENDACEM (TM) SYSTEM PREMIUM - CLASS G CEMENT WITH . 125 LBM/SK POLY-E-FLAKE (LOST CIRCULATION ADDITIVE), 2% BENTONITE, .75% HALAD (R)-322, 3% POTASSIUM CHLORIDE- KCL, 3 LBM SILICATE - COMPACTED, .2% WG-17, 13.50 PPG, 1.47 CFPS, 6.98 GPS FRESH WATER. PUMPED TAIL CEMENT @ 8 BPM. DISPLACED WITH TOTAL OF 101 BBLs FRESH WATER. FIRST 40 BBLs DISPLACEMENT @ 8 BPM & BUMPED PLUG WITH 2600 PSI @ 21:00 HOURS ON 05/11/2009. CHECKED FLOATS & FLOATS HELD. |

21:00 22:00 1.0 WAIT ON CEMENT, BLEED PRESSURE, R/D HALLIBURTON CEMENT EQUIP.  
 22:00 22:30 0.5 SET PACKOFF AND TEST. LOOSEN DTO LOCKDOWN BOLTS WITH FMC.  
 22:30 02:30 4.0 NIPPLE DOWN BOP'S AND CLEAN MUD PITS.  
 02:30 06:00 3.5 RIG DOWN AND PREPARE FOR RIG MOVE TO NBU 660-12E ( .5 MILES ).

ACCIDENTS: NONE REPORTED.  
 FUNCTION TEST CROWN-O-MATIC.  
 SAFTEY MEETING: RUN CSG, CEMENTING .  
 CREWS FULL.  
 FUEL TRANSFERRED TO NBU 660-12E 3650 GALS.

06:00 RELEASE RIG @ 02:30 HRS, ON 5/12/09.  
 CASING POINT COST \$522,394

**05-16-2009** Reported By SEARLE

**Daily Costs: Drilling** \$0 **Completion** \$36,300 **Daily Total** \$36,300  
**Cum Costs: Drilling** \$504,347 **Completion** \$158,858 **Well Total** \$663,205

**MD** 6,516 **TVD** 6,516 **Progress** 0 **Days** 5 **MW** 0.0 **Visc** 0.0  
**Formation :** **PBTD :** 6471.0 **Perf :** **PKR Depth :** 0.0

**Activity at Report Time:** PREP FOR FRACS

| Start | End   | Hrs  | Activity Description  |
|-------|-------|------|---|
| 06:00 | 06:00 | 24.0 | MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 110'. EST CEMENT TOP @ 200'. RD SCHLUMBERGER. |

**06-19-2009** Reported By MCCURDY

**Daily Costs: Drilling** \$0 **Completion** \$1,448 **Daily Total** \$1,448  
**Cum Costs: Drilling** \$504,347 **Completion** \$160,306 **Well Total** \$664,653

**MD** 6,516 **TVD** 6,516 **Progress** 0 **Days** 6 **MW** 0.0 **Visc** 0.0  
**Formation :** **PBTD :** 6471.0 **Perf :** **PKR Depth :** 0.0

**Activity at Report Time:** WO COMPLETION

| Start | End   | Hrs  | Activity Description  |
|-------|-------|------|---|
| 06:00 | 06:00 | 24.0 | NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION. |

**06-24-2009** Reported By MCCURDY

**Daily Costs: Drilling** \$0 **Completion** \$102,261 **Daily Total** \$102,261  
**Cum Costs: Drilling** \$504,347 **Completion** \$262,567 **Well Total** \$766,914

**MD** 6,516 **TVD** 6,516 **Progress** 0 **Days** 7 **MW** 0.0 **Visc** 0.0  
**Formation :** WASATCH **PBTD :** 6471.0 **Perf :** 5014'-6394' **PKR Depth :** 0.0

**Activity at Report Time:** PREP TO MIRUSU

| Start | End   | Hrs  | Activity Description   |
|-------|-------|------|--|
| 06:00 | 06:00 | 24.0 | RU CUTTERS WIRELINE & PERFORATE Ba FROM 6118'-19', 6195'-96', 6298'-99', 6325'-27', 6329'-30', 6332'-34', 6355'-56', 6369'-70', 6392'-94' @ 3 SPF @ 120 PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 21145 GAL 16# LINEAR W/31500# 20/40 SAND @ 1-2 PPG , 9307 GAL 16# DELTA 140 W/29600# 20/40 SAND @ 3-4 PPG. MTP 5742 PSIG. MTR 51.1 BPM. ATP 3827 PSIG. ATR 49.3 BPM. ISIP 2028 PSIG. RD HALLIBURTON. |

RUWL. SET 6K CFP AT 5930'. PERFORATE Ca FROM 5893'-95', 5900'-10' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE , 16110 GAL 16# DELTA 140 W/ 60500# 20/40 SAND @ 4 PPG. MTP 4143 PSIG. MTR 51.1 BPM. ATP 3341 PSIG. ATR 49.3 BPM. ISIP 1334 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5710'. PERFORATE Ca FROM 5562'-63', 5617'-18', 5632'-33', 5638'-39', 5655'-56', 5659'-61', 5665'-67', 5670'-72', 5686'-87' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE, 4250 GAL 16# LINEAR W/ 8400 # 20/40 SAND @ 2 PPG , 23988 GAL 16# DELTA 140 W/ 88000# 20/40 SAND @ 3-4 PPG. MTP 4556 PSIG. MTR 52.1 BPM. ATP 3428 PSIG. ATR 49.4 BPM. ISIP 2112 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 5300'. PERFORATE Pp FROM 5014'-16', 5020'-22', 5044'-48', 5210'-13', 5276'-77' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE, 4225 GAL 16# LINEAR W/ 7200 # 20/40 SAND @ 2 PPG , 23092 GAL 16# DELTA 140 W/ 74200# 20/40 SAND @ 3-4 PPG. MTP 4933 PSIG. MTR 50.6 BPM. ATP 3456 PSIG. ATR 50.3 BPM. ISIP 2191 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 4932'. RDWL

**06-30-2009**      **Reported By**      BAUSCH

|                              |           |                   |           |                    |             |
|------------------------------|-----------|-------------------|-----------|--------------------|-------------|
| <b>Daily Costs: Drilling</b> | \$0       | <b>Completion</b> | \$1,935   | <b>Daily Total</b> | \$1,935     |
| <b>Cum Costs: Drilling</b>   | \$504,347 | <b>Completion</b> | \$264,502 | <b>Well Total</b>  | \$768,849   |
| <b>MD</b>                    | 6,516     | <b>TVD</b>        | 6,516     | <b>Progress</b>    | 0           |
| <b>Days</b>                  | 12        | <b>MW</b>         | 0.0       | <b>Visc</b>        | 0.0         |
| <b>Formation :</b>           | WASATCH   | <b>PBTD :</b>     | 6450.0    | <b>Perf :</b>      | 5014'-6394' |
|                              |           |                   |           | <b>PKR Depth :</b> | 0.0         |

**Activity at Report Time:** RIH W/RODS

| Start | End | Hrs | Activity Description |
|-------|-----|-----|----------------------|
|-------|-----|-----|----------------------|

**07-01-2009**      **Reported By**      BAUSCH

|                              |           |                   |           |                    |             |
|------------------------------|-----------|-------------------|-----------|--------------------|-------------|
| <b>Daily Costs: Drilling</b> | \$0       | <b>Completion</b> | \$44,195  | <b>Daily Total</b> | \$44,195    |
| <b>Cum Costs: Drilling</b>   | \$504,347 | <b>Completion</b> | \$308,697 | <b>Well Total</b>  | \$813,044   |
| <b>MD</b>                    | 6,516     | <b>TVD</b>        | 6,516     | <b>Progress</b>    | 0           |
| <b>Days</b>                  | 8         | <b>MW</b>         | 0.0       | <b>Visc</b>        | 0.0         |
| <b>Formation :</b>           | WASATCH   | <b>PBTD :</b>     | 6471.0    | <b>Perf :</b>      | 5014'-6394' |
|                              |           |                   |           | <b>PKR Depth :</b> | 0.0         |

**Activity at Report Time:** CLEAN OUT AFTER FRAC

| Start | End | Hrs | Activity Description |
|-------|-----|-----|----------------------|
|-------|-----|-----|----------------------|

|       |       |     |  |
|-------|-------|-----|--|
| 07:00 | 15:00 | 8.0 | MIRUSU. ND FRAC TREE. NU BOP. RIH W/3-7/8" ROCK BIT & PUMP OFF SUB TO 4932'. SDFN. |
|-------|-------|-----|--|

**07-02-2009**      **Reported By**      BAUSCH

|                              |           |                   |           |                    |             |
|------------------------------|-----------|-------------------|-----------|--------------------|-------------|
| <b>Daily Costs: Drilling</b> | \$0       | <b>Completion</b> | \$7,898   | <b>Daily Total</b> | \$7,898     |
| <b>Cum Costs: Drilling</b>   | \$504,347 | <b>Completion</b> | \$316,595 | <b>Well Total</b>  | \$820,942   |
| <b>MD</b>                    | 6,516     | <b>TVD</b>        | 6,516     | <b>Progress</b>    | 0           |
| <b>Days</b>                  | 9         | <b>MW</b>         | 0.0       | <b>Visc</b>        | 0.0         |
| <b>Formation :</b>           | WASATCH   | <b>PBTD :</b>     | 6450.0    | <b>Perf :</b>      | 5014'-6394' |
|                              |           |                   |           | <b>PKR Depth :</b> | 0.0         |

**Activity at Report Time:** RDMOSU. FLOW TEST.

| Start | End | Hrs | Activity Description |
|-------|-----|-----|----------------------|
|-------|-----|-----|----------------------|

|       |       |      |  |
|-------|-------|------|--|
| 07:00 | 06:00 | 23.0 | SICP 0 PSIG. SISCP 0 PSIG. HOLD SAFETY MTG. PRESSURE TEST FLOW LINES & POBS TO 2500 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 4932', 5300', 5710' & 5930'. RIH. CLEANED OUT TO 6450'. LANDED TBG AT 4995.39' KB. ND BOPE. NU TREE. PUMPED OFF BIT & SUB. RU SWAB. FL @ 400'. MADE 9 SWAB RUNS. SWABED 72 BLS. SI. BUILD PRESSURE. @ 9:00 PM SITP HAD 300 PSIG. CSIP 180 PSIG. OPEN TBG. FOR 3 HRS WOULD NOT FLOW. SI @ 2400 HRS. 6:00 AM SITP 70 PSIG. CSG 200 PSIG. |
|-------|-------|------|--|

TUBING DETAIL    LENGTH

PUMP OFF SUB 1.00'  
 1 JT 2-3/8 4.7# N-80 TBG 32.68'  
 XN NIPPLE 1.30'  
 152 JTS 2-3/8 4.7# N-80 TBG 4947.41'  
 BELOW KB 13.00'  
 LANDED @ 4995.39' KB

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|   |                    |                   |  |                    |           |               |             |           |                    |             |     |
|---|--------------------|-------------------|--|--------------------|-----------|---------------|-------------|-----------|--------------------|-------------|-----|
| <b>07-03-2009</b>   | <b>Reported By</b> | BAUSCH            |  |                    |           |               |             |           |                    |             |     |
| <b>Daily Costs: Drilling</b>  | \$0                | <b>Completion</b> | \$3,510  | <b>Daily Total</b> | \$3,510   |               |             |           |                    |             |     |
| <b>Cum Costs: Drilling</b>  | \$504,347          | <b>Completion</b> | \$320,105  | <b>Well Total</b>  | \$824,452 |               |             |           |                    |             |     |
| <b>MD</b>   | 6,516              | <b>TVD</b>        | 6,516  | <b>Progress</b>    | 0         | <b>Days</b>   | 10          | <b>MW</b> | 0.0                | <b>Visc</b> | 0.0 |
| <b>Formation :</b>  | WASATCH            |                   | <b>PBTD :</b>  | 6450.0             |           | <b>Perf :</b> | 5014'-6394' |           | <b>PKR Depth :</b> | 0.0         |     |
| <b>Activity at Report Time:</b> SWAB ON WELL.   |                    |                   |  |                    |           |               |             |           |                    |             |     |
| <b>Start</b>  | <b>End</b>         | <b>Hrs</b>        | <b>Activity Description</b>  |                    |           |               |             |           |                    |             |     |
| 06:00   | 06:00              | 24.0              | HOLD SAFETY MTG. TP 0 PSIG. CP 250 PSIG. FL @900'. MADE 6 SWAB RUNS, SWABED BACK 50 BLWTR. WELL STARTED TO FLOW. FLOW WELL 1 HR. RDMOSU. |                    |           |               |             |           |                    |             |     |
| FLOWED 20 HRS. 32/64 CHOKE. FTP- 200 PSIG, CP- 600 PSIG. 20 BFPH. RECOVERED 592 BBLS, 2350 BLWTR. |                    |                   |  |                    |           |               |             |           |                    |             |     |

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|   |                    |                   |  |                    |           |               |             |           |                    |             |     |
|---|--------------------|-------------------|--|--------------------|-----------|---------------|-------------|-----------|--------------------|-------------|-----|
| <b>07-04-2009</b>                             | <b>Reported By</b> | BAUSCH            |  |                    |           |               |             |           |                    |             |     |
| <b>Daily Costs: Drilling</b>                  | \$0                | <b>Completion</b> | \$1,935  | <b>Daily Total</b> | \$1,935   |               |             |           |                    |             |     |
| <b>Cum Costs: Drilling</b>                    | \$504,347          | <b>Completion</b> | \$322,040  | <b>Well Total</b>  | \$826,387 |               |             |           |                    |             |     |
| <b>MD</b>                                     | 6,516              | <b>TVD</b>        | 6,516  | <b>Progress</b>    | 0         | <b>Days</b>   | 11          | <b>MW</b> | 0.0                | <b>Visc</b> | 0.0 |
| <b>Formation :</b>                            | WASATCH            |                   | <b>PBTD :</b>  | 6450.0             |           | <b>Perf :</b> | 5014'-6394' |           | <b>PKR Depth :</b> | 0.0         |     |
| <b>Activity at Report Time:</b> WO FACILITIES |                    |                   |  |                    |           |               |             |           |                    |             |     |
| <b>Start</b>                                  | <b>End</b>         | <b>Hrs</b>        | <b>Activity Description</b>  |                    |           |               |             |           |                    |             |     |
| 06:00   | 06:00              | 24.0              | FLOWED 24 HRS. 32/64 CHOKE. FTP- 200 PSIG, CP- 500 PSIG. 4 BFPH. RECOVERED 136 BBLS, 2214 BLWTR. SWI @ 6:00 TURN WELL OVER TO PRDUCTION DEPT. FINAL REPORT |                    |           |               |             |           |                    |             |     |
| FINAL COMPLETION DATE: 07/03/09.              |                    |                   |  |                    |           |               |             |           |                    |             |     |

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|  |                    |                   |   |                    |           |               |             |           |                    |             |     |
|--|--------------------|-------------------|---|--------------------|-----------|---------------|-------------|-----------|--------------------|-------------|-----|
| <b>07-07-2009</b>                                  | <b>Reported By</b> | DUANE COOK        |   |                    |           |               |             |           |                    |             |     |
| <b>Daily Costs: Drilling</b>                       | \$0                | <b>Completion</b> | \$1,935   | <b>Daily Total</b> | \$1,935   |               |             |           |                    |             |     |
| <b>Cum Costs: Drilling</b>                         | \$504,347          | <b>Completion</b> | \$322,040   | <b>Well Total</b>  | \$826,387 |               |             |           |                    |             |     |
| <b>MD</b>  | 6,516              | <b>TVD</b>        | 6,516   | <b>Progress</b>    | 0         | <b>Days</b>   | 12          | <b>MW</b> | 0.0                | <b>Visc</b> | 0.0 |
| <b>Formation :</b>                                 | WASATCH            |                   | <b>PBTD :</b>   | 6450.0             |           | <b>Perf :</b> | 5014'-6394' |           | <b>PKR Depth :</b> | 0.0         |     |
| <b>Activity at Report Time:</b> INITIAL PRODUCTION |                    |                   |   |                    |           |               |             |           |                    |             |     |
| <b>Start</b>                                       | <b>End</b>         | <b>Hrs</b>        | <b>Activity Description</b>   |                    |           |               |             |           |                    |             |     |
| 06:00  | 06:00              | 24.0              | INITIAL PRODUCTION. OPENING PRESSURE: TP 700 PSIG & CP 750 PSIG. TURNED WELL OVER TO KERR-MAGEE SALES AT 11:00 AM, 7/06/09. FLOWED 400 MCFD RATE ON 12/64" POS CHOKE. STATIC 390. KERR-MAGEE METER #985836. |                    |           |               |             |           |                    |             |     |

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|                              |                    |                   |           |                    |           |  |  |  |  |  |  |
|------------------------------|--------------------|-------------------|-----------|--------------------|-----------|--|--|--|--|--|--|
| <b>07-08-2009</b>            | <b>Reported By</b> | MIKE LEBARON      |           |                    |           |  |  |  |  |  |  |
| <b>Daily Costs: Drilling</b> | \$0                | <b>Completion</b> | \$0       | <b>Daily Total</b> | \$0       |  |  |  |  |  |  |
| <b>Cum Costs: Drilling</b>   | \$504,347          | <b>Completion</b> | \$322,040 | <b>Well Total</b>  | \$826,387 |  |  |  |  |  |  |

MD 6,516 TVD 6,516 Progress 0 Days 13 MW 0.0 Visc 0.0

Formation : WASATCH PBT D : 6450.0 Perf : 5014'-6394' PKR Depth : 0.0

Activity at Report Time: ON SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED 272 MCF, 0 BC & 5 BW IN 24 HRS ON 12/64" CHOKE, TP 550 PSIG, CP 725 PSIG.

07-09-2009 Reported By MIKE LEBARON

Daily Costs: Drilling \$0 Completion \$0 Daily Total \$0

Cum Costs: Drilling \$504,347 Completion \$322,040 Well Total \$826,387

MD 6,516 TVD 6,516 Progress 0 Days 14 MW 0.0 Visc 0.0

Formation : WASATCH PBT D : 6450.0 Perf : 5014'-6394' PKR Depth : 0.0

Activity at Report Time: ON SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED 253 MCF, 0 BC & 23 BW IN 24 HRS ON 12/64" CHOKE, TP 550 PSIG, CP 725 PSIG.

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.  
UTU02270A

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

7. Unit or CA Agreement Name and No.  
NATURAL BUTTES

2. Name of Operator  
EOG RESOURCES, INC. Contact: MICKENZIE THACKER  
E-Mail: MICKENZIE\_THACKER@EOGRESOURCES.COM

8. Lease Name and Well No.  
NATURAL BUTTES UNIT 668-12E

3. Address 1060 EAST HIGHWAY 40  
VERNAL, UT 84078

3a. Phone No. (include area code)  
Ph: 453-781-9145

9. API Well No.  
43-047-39901

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon  
At top prod interval reported below NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon  
At total depth NWNE 859FNL 1915FEL 39.96741 N Lat, 109.61132 W Lon

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey  
or Area Sec 12 T10S R20E Mer SLB

12. County or Parish  
UINTAH

13. State  
UT

14. Date Spudded  
03/31/2009

15. Date T.D. Reached  
05/11/2009

16. Date Completed  
 D & A  Ready to Prod.  
07/06/2009

17. Elevations (DF, KB, RT, GL)\*  
5012 GL

18. Total Depth: MD 6516  
TVD

19. Plug Back T.D.: MD 6450  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
RST/CBL/CCL/DLGR, Temp, Press

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

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

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12.250    | 9.625 J-55 | 36.0        |          | 2259        |                      | 850                          |                   | 0           |               |
| 7.875     | 4.500 N-80 | 11.6        |          | 6515        |                      | 1087                         |                   | 200         |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 4995           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record 5014

| Formation  | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|------------|------|--------|---------------------|------|-----------|--------------|
| A) WASATCH | 5014 | 6394   | 6118 TO 6394        |      | 3         |              |
| B) WSMVD   |      |        | 5893 TO 5910        |      | 3         |              |
| C)         |      |        | 5562 TO 5687        |      | 3         |              |
| D)         |      |        | 5014 TO 5277        |      | 3         |              |

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

| Depth Interval | Amount and Type of Material                      |
|----------------|--|
| 6118 TO 6394   | 30,494 GALS OF GELLED WATER & 61,100# 20/40 SAND |
| 5893 TO 5910   | 16,152 GALS OF GELLED WATER & 60,500# 20/40 SAND |
| 5562 TO 5687   | 28,280 GALS OF GELLED WATER & 96,400# 20/40 SAND |
| 5014 TO 5277   | 27,359 GALS OF GELLED WATER & 81,400# 20/40 SAND |

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 07/06/2009          | 07/10/2009           | 24           | →               | 0.0     | 246.0   | 46.0      |                       |             | FLOWS FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 12/64               | 550                  | 715.0        | →               | 0       | 246     | 46        |                       | PGW         |                   |

28a. Production - Interval B

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

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #72878 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECEIVED

AUG 06 2009

28b. Production - Interval C

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

28c. Production - Interval D

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

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

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

| Formation | Top  | Bottom | Descriptions, Contents, etc. | Name  | Top  |
|-----------|------|--------|------------------------------|---|--|
|           |      |        |                              |   | Meas. Depth  |
| WASATCH   | 5014 | 6394   |                              | GREEN RIVER<br>BIRDS NEST<br>MAHOGANY<br>UTELAND BUTTE<br>WASATCH<br>CHAPITA WELLS<br>BUCK CANYON | 1163<br>1563<br>2117<br>4582<br>4710<br>5316<br>6015 |

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

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

**Electronic Submission #72878 Verified by the BLM Well Information System.  
For EOG RESOURCES, INC., sent to the Vernal**

Name (please print) MICKENZIE THACKER Title OPERATIONS CLERK

Signature  Date 08/04/2009

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

**Natural Buttes Unit 668-12E - ADDITIONAL REMARKS (CONTINUED):**

Perforated the Ba from 6118'-19', 6195'-96', 6298'-99', 6325'-27', 6329'-30', 6332'-34', 6355'-56', 6369'-70', 6392'-94' w/ 3 spf.

Perforated the Ca from 5893'-95', 5900'-10' w/ 3 spf.

Perforated the Ca from 5562'-63', 5617'-18', 5632'-33', 5638'-39', 5655'-56', 5659'-61', 5665'-67', 5670'-72', 5686'-87' w/ 3 spf.

Perforated the Pp from 5014'-16', 5020'-22', 5044'-48', 5210'-13', 5276'-77' w/ 3 spf.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**X Change of Operator (Well Sold)**  
 Operator Name Change

Designation of Agent/Operator  
 Merger

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

The operator of the well(s) listed below has changed, effective: **\*6/1/2009 and \*\*7/1/2009**

|   |   |
|---|---|
| <b>FROM:</b> (Old Operator):<br>N9550-EOG Resources<br>1060 E Hwy 40<br>Vernal, UT 84078<br>Phone: 1-(435) 781-9111 | <b>TO:</b> ( New Operator):<br>N2995-Kerr-McGee Oil & Gas Onshore., LP<br>1368 South 1200 East<br>Vernal, UT 84078<br>Phone: 1-(435) 781-7024 |
|---|---|

| WELL NAME(S)   | CA No. | SEC  | TWN  | RNG        | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|----------------|--------|------|------|------------|--------|-----------|------------|-----------|-------------|
| NBU 760-36E ** | 36     | 090S | 200E | 4304738330 | 2900   | State     | GW         | P         |             |
| NBU 763-19E ** | 19     | 100S | 210E | 4304738332 | 2900   | State     | GW         | P         |             |
| NBU 529-07E ** | 07     | 100S | 210E | 4304739722 | 2900   | Federal   | GW         | P         |             |
| NBU 668-12E ** | 12     | 100S | 200E | 4304739901 | 2900   | Federal   | GW         | P         |             |
| NBU 654-07E ** | 07     | 100S | 210E | 4304739956 | 2900   | Federal   | GW         | P         |             |
| NBU 428-07E ** | 07     | 100S | 210E | 4304740049 | 2900   | Federal   | GW         | P         |             |
| NBU 670-29E ** | 29     | 090S | 220E | 4304740084 | 2900   | State     | GW         | P         |             |
| NBU 638-13E *  | 13     | 100S | 220E | 4304750016 | 2900   | State     | GW         | P         |             |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: Completion of well
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: Completion of well
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 8/12/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/12/2009
- Bond information entered in RBDMS on: 8/12/2009
- Fee/State wells attached to bond in RBDMS on: 8/12/2009
- Injection Projects to new operator in RBDMS on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: n/a
- (R649-3-1) The **NEW** operator of any state or fee well(s) listed covered by Bond Number 22013542
- The **FORMER** operator has requested a release of liability from their bond on: n/a

**COMMENTS:**

Well to transfer upon completion to Unit Operator (See 9/23/2003 letter from EOG & agreement 9/17/03 from Westport )

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
EOG Resources, Inc

3a. Address  
1060 EAST HIGHWAY 40, VERNAL, UT 84078

3b. Phone No. (include area code)  
435-781-9145

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

7. If Unit of CA/Agreement, Name and/or No.  
Natural Buttes

8. Well Name and No.  
Multiple Wells

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area  
Natural Buttes

11. Country or Parish, State  
Utah, Utah

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

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

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

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only *ER 1/31/2010*

By: Michael A. Nixon Date: 12/17/2009  
Michael A. Nixon  
Agent and Attorney-in-Fact

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature [Signature] Date 12/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date **DEC 24 2009**

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

Office **DIV. OF OIL, GAS & MINING**

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.

| Lease #     | API #      | Well Name   | Footages            | Legal Description         |
|-------------|------------|-------------|---------------------|---------------------------|
| UTUO2270A   | 4304730261 | NBU 1-07B   | 1975' FNL 1850' FWL | T10S-R21E-07-SESW         |
| UTUO144868  | 4304730262 | NBU 2-15B   | 1630' FSL 2125' FEL | T09S-R20E-15-NWSE         |
| ML22651     | 4304730267 | NBU 3-02B   | 1819' FNL 716' FWL  | T10S-R22E-02-SWNW         |
| UTUO10954A  | 4304730273 | NBU 4-35B   | 2037' FNL 2539' FWL | T09S-R22E-35-SESW         |
| ML22650     | 4304730272 | NBU 5-36B   | 1023' FNL 958' FWL  | T09S-R22E-36-NWNW         |
| UTUO1791    | 4304730278 | NBU 7-09B   | 330' FSL 1600' FWL  | T10S-R21E-09-SESW         |
| UTUO1207 ST | 4304730274 | NBU 10-29B  | 1100' FSL 1540' FEL | T09S-R22E-29-SWSE         |
| UTUO1791    | 4304730294 | NBU 13-08B  | 1600' FSL 1300' FEL | T10S-R21E-08-NESE         |
| UTUO581     | 4304730296 | NBU 15-29B  | 821' FNL 687' FWL   | T09S-R21E-29-NWNW         |
| UTUO1791    | 4304730316 | NBU 16-06B  | 330' FSL 900' FEL   | T10S-R21E-06-SESE         |
| UTUO2270A   | 4304730317 | NBU 17-18B  | 1014' FSL 2067' FEL | T10S-R21E-18-SWSE         |
| UTUO144869  | 4304730328 | NBU 19-21B  | 2015' FNL 646' FEL  | T09S-R20E-21-SENE         |
| UTUO575     | 4304730363 | NBU 25-20B  | 1905' FNL 627' FWL  | T09S-R21E-20-SWNW         |
| UTU4485     | 4304730364 | NBU 26-13B  | 600' FSL 661' FEL   | T10S-R20E-13-SESE         |
| UTUO1393B   | 4304730367 | NBU 28-04B  | 529' FNL 2145' FWL  | T10S-R21E-04-NENW         |
| UTUO1393B   | 4304730368 | NBU 29-05B  | 398' FSL 888' FWL   | T10S-R21E-05-SESE         |
| UTUO575     | 4304730380 | NBU 30-18B  | 1895' FSL 685' FEL  | T09S-R21E-18-NESE         |
| ML01197A    | 4304730385 | NBU 31-12B  | 565' FNL 756' FWL   | T10S-R22E-12-NWNW         |
| UTU461      | 4304730396 | NBU 33-17B  | 683' FSL 739' FWL   | T09S-R22E-17-SWSW         |
| UTUO575     | 4304730404 | NBU 34-17B  | 210' FNL 710' FEL   | T09S-R21E-17-NENE         |
| UTUO149767  | 4304730397 | NBU 35-08B  | 1830' FNL 660' FWL  | T09S-R21E-8-SWNW          |
| UTUO144878B | 4304730470 | NBU 49-12B  | 551' FSL 1901' FEL  | T09S-R20E-12-SWSE         |
| UTUO140225  | 4304730473 | NBU 52-01B  | 659' FSL 658' FEL   | T09S-R21E-01-SESE         |
| UTUO141315  | 4304730474 | NBU 53-03B  | 495' FSL 601' FWL   | T09S-R21E-03-SWSW         |
| ML21510     | 4304730475 | NBU 54-02B  | 660' FSL 660' FWL   | T09S-R21E-02-SWSW         |
| UTUO1193    | 4304730464 | NBU 57-12B  | 676' FSL 1976' FEL  | T09S-R21E-12-SWSE         |
| UTUO1198B   | 4304730463 | NBU 58-23B  | 1634' FNL 2366' FEL | T10S-R22E-23-SWNE         |
| UTUO37167   | 4304730477 | NBU 62-35B  | 760' FNL 2252' FEL  | T10S-R22E-35-NWNE         |
| UTU10186    | 4304730466 | NBU 63-12B  | 1364' FNL 1358' FEL | T10S-R20E-12-SWNE         |
| UTUO37167   | 4304730577 | NBU 70-34B  | 1859' FSL 2249' FWL | T10S-R22E-34-NESW         |
| UTU4476     | 4304730578 | NBU 71-26B  | 1877' FNL 528' FEL  | T10S-R20E-26-SENE         |
| UTUO141315  | 4304731150 | NBU 202-03  | 898' FSL 1580' FEL  | T09S-R21E-03-SWSE         |
| UTUO1791    | 4304731238 | NBU 205-08  | 1432' FSL 1267' FWL | T10S-R21E-08-NWSW         |
| UTUO1791    | 4304731165 | NBU 206-09  | 1789' FNL 1546' FWL | T10S-R21E-09-SESW         |
| UTUO1393B   | 4304731177 | NBU 207-04  | 1366' FSL 1445' FWL | T10S-R21E-04-NESW         |
| UTUO149076  | 4304731153 | NBU 210-24  | 1000' FSL 1000' FWL | T09S-R21E-24-SWSW         |
| UTUO284     | 4304731156 | NBU 211-20  | 916' FSL 822' FEL   | T09S-R22E-20-SESE         |
| UTUO284     | 4304731267 | NBU 212-19  | 289' FSL 798' FWL   | T09S-R22E-19-SWSW         |
| UTU22650    | 4304731268 | NBU 213-36J | 597' FNL 659' FEL   | T09S-R22E-36-NENE         |
| ML22651     | 4304731282 | NBU 217-02  | 2045' FSL 766' FWL  | T10S-R22E-02-NWSW         |
| UTUO2270A   | 4304731310 | NBU 218-17  | 2600' FNL 1500' FWL | T10S-R21E-17-SESW         |
| UTUO149076  | 4304731308 | NBU 219-24  | 1300' FNL 500' FWL  | T09S-R21E-24-NWNW         |
| UTUO149076  | 4304732131 | NBU 301-24E | 700' FSL 2450' FEL  | T09S-R21E-24-SWSE         |
| UTUO1791    | 4304732010 | NBU 302-09E | 1899' FSL 912' FWL  | T10S-R21E-09-NWSW         |
| UTUO575     | 4304732130 | NBU 304-18E | 782' FSL 1783' FEL  | T09S-R21E-18-SWSE         |
| UTUO149767  | 4304732135 | NBU 305-07E | 670' FNL 1950' FWL  | T09S-R21E-07-NENW         |
| UTUO581     | 4304732282 | NBU 306-18E | 1604' FSL 2797' FWL | T09S-R21E-18-NESW         |
| UTUO1791    | 4304732014 | NBU 307-06E | 1979' FSL 2000' FEL | T10S-R21E-06-NWSE         |
| UTUO284     | 4304732202 | NBU 308-20E | 1503' FSL 954' FWL  | T09S-R22E-20-NWSW         |
| UTUO575     | 4304732283 | NBU 309-20E | 930' FNL 667' FEL   | T09S-R21E-20-NENE         |
| UTUO149075  | 4304732203 | NBU 311-23E | 1101' FSL 1978' FEL | T09S-R21E-23-SWSE         |
| UTUO581     | 4304732378 | NBU 313-29E | 1000' FNL 660' FEL  | T09S-R21E-29-NENE         |
| UTUO141315  | 4304732271 | NBU 314-03E | 1045' FSL 2584' FWL | T09S-R21E-03-SESW         |
| UTUO575     | 4304732381 | NBU 316-17E | 1935' FNL 1067' FWL | T09S-R21E-17-SWNW         |
| UTUO144868B | 4304732362 | NBU 317-12E | 867' FNL 701' FEL   | T09S-R20E-12-NENE         |
| UTUO2270A   | 4304737511 | NBU 319-17E | 807' FNL 990' FWL   | T10S-R21E-17-NWNW         |
| UTUO1188    | 4304732379 | NBU 321-10E | 940' FSL 2508' FWL  | T09S-R21E-10-SESW         |
| UTUO575B    | 4304732376 | NBU 325-08E | 832' FSL 669' FWL   | T09S-R21E-08-SWSW         |
| UTUO1393B   | 4304733697 | NBU 326-04E | 1906' FNL 695' FWL  | T10S-R21E-04-SWNW         |
| UTUO1393B   | 4304739303 | NBU 327-05E | 1117' FNL 942' FEL  | T10S-R21E-05-NENE (LOT 1) |
| UTU4485     | 4304732386 | NBU 328-13E | 1766' FSL 1944' FWL | T10S-R20E-13-NESW         |
| UTUO1207 ST | 4304732229 | NBU 329-29E | 2490' FNL 949' FEL  | T09S-R22E-29-SENE         |

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| Lease #      | API #      | Well Name    | Footages            | Legal Description         |
|--------------|------------|--------------|---------------------|---------------------------|
| UTUO10954A   | 4304732147 | NBU 331-35E  | 1531' FNL 1153' FEL | T09S-R22E-35-SENE         |
| UTUO1791     | 4304732148 | NBU 332-08E  | 955' FSL 2508' FEL  | T10S-R21E-08-SWSE         |
| ML21510      | 4304732518 | NBU 333-02E  | 1951' FSL 2245' FWL | T09S-R21E-02-NESW         |
| UTUO149075   | 4304732265 | NBU 335-23E  | 1419' FNL 828' FEL  | T09S-R21E-23-SENE         |
| UTUO149076   | 4304732264 | NBU 336-24E  | 2024' FNL 1958' FWL | T09S-R21E-24-SENW         |
| UTUO284      | 4304732281 | NBU 339-19E  | 1890' FSL 674' FWL  | T09S-R22E-19-NWSW         |
| UTUO284B     | 4304732327 | NBU 340-20E  | 1326' FSL 2569' FEL | T09S-R22E-20-NWSE         |
| UTUO1207 ST  | 4304733055 | NBU 341-29E  | 307' FSL 898' FEL   | T09S-R22E-29-SESE         |
| UTUO10954A   | 4304732212 | NBU 342-35E  | 918' FNL 2563' FEL  | T09S-R22E-35-NWNE         |
| UTUO1393B    | 4304739338 | NBU 346-05E  | 2233' FSL 676' FEL  | T10S-R21E-05-NESE         |
| UTUO575B     | 4304732326 | NBU 349-07E  | 1641' FNL 1036' FWL | T09S-R21E-07-SWNW         |
| UTUO1188     | 4304732519 | NBU 352-10E  | 1806' FSL 842' FWL  | T09S-R21E-10-NWSW         |
| UTUO581      | 4304732383 | NBU 356-29E  | 1600' FNL 1980' FEL | T09S-R21E-29-SWNE         |
| UTUO2270A    | 4304732388 | NBU 358-01E  | 736' FSL 1941' FEL  | T10S-R20E-01-SWSE         |
| UTU4485      | 4304750032 | NBU 359-13E  | 661' FSL 2149' FEL  | T10S-R20E-13-SWSE         |
| UTU4485      | 4304732387 | NBU 360-13E  | 1998' FSL 775' FWL  | T10S-R20E-13-NWSW         |
| ML21510      | 4304733782 | NBU 379-02E  | 1967' FSL 898' FWL  | T09S-R21E-02-NWSW         |
| UTUO575      | 4304733064 | NBU 382-18E  | 2030' FSL 2172' FEL | T09S-R21E-18-NWSE         |
| UTUO149075   | 4304735889 | NBU 384-23E  | 491' FSL 929' FEL   | T09S-R21E-23-SESE         |
| UTUO149076   | 4304733056 | NBU 386-24E  | 450' FSL 1850' FWL  | T09S-R21E-24-SESW         |
| UTUO284      | 4304733057 | NBU 388-19E  | 382' FSL 1847' FWL  | T09S-R22E-19-SESW         |
| UTUO1207 ST  | 4304733049 | NBU 389-29E  | 2226' FSL 2166' FEL | T09S-R22E-29-NWSE         |
| UTUO1393B    | 4304732835 | NBU 390-04E  | 2577' FSL 1951' FWL | T10S-R21E-04-NESW         |
| UTUO1393B    | 4304732988 | NBU 391-05E  | 1215' FSL 2090' FEL | T10S-R21E-05-SWSE         |
| UTUO1791     | 4304733783 | NBU 392-06E  | 1926' FSL 611' FEL  | T10S-R21E-06-NESE         |
| UTU4485      | 4304733071 | NBU 393-13E  | 1850' FSL 2141' FEL | T10S-R20E-13-NWSE         |
| UTU4485      | 4304733072 | NBU 394-13E  | 725' FSL 2027' FWL  | T10S-R20E-13-SESW         |
| UTUO1188     | 4304732544 | NBU 400-11E  | 1983' FSL 1321' FWL | T09S-R21E-11-NESW         |
| UTUO581      | 4304734216 | NBU 421-29E  | 1985 FNL, 972 FEL   | T09S-R21E-29-SENE         |
| UTUO581      | 4304733698 | NBU 422-29E  | 1980' FNL 785' FWL  | T09S-R21E-29-SWNW         |
| UTUO581      | 4304734206 | NBU 423-30E  | 1980' FSL 660' FEL  | T09S-R21E-30-NESE         |
| ML3142       | 4304733699 | NBU 424-32E  | 744' FNL 773' FEL   | T09S-R21E-32-NENE         |
| UTUO2270A    | 4304740049 | NBU 428-07E  | 660' FSL 855' FWL   | T10S-R21E-07-SWSW (Lot 4) |
| UTUO1791     | 4304733069 | NBU 431-09E  | 2599' FNL 662' FWL  | T10S-R21E-09-SWNW         |
| UTUO2270A    | 4304738536 | NBU 434-17E  | 1799' FNL 2176' FWL | T10S-R21E-17-SENW         |
| UTUO2270A    | 4304738376 | NBU 435-17E  | 1837' FNL 571' FWL  | T10S-R21E-17-SWNW         |
| UTUO2270A    | 4304734195 | NBU 436-18E  | 1644' FSL 748' FEL  | T10S-R21E-18-NESE         |
| UTUO2270A    | 4304735499 | NBU 437-18E  | 322' FSL 748' FEL   | T10S-R21E-18-SESE         |
| ML22792      | 4304737534 | NBU 438-19E  | 661' FNL 1941' FEL  | T10S-R21E-19-NWNE         |
| ML22792      | 4304737535 | NBU 439-19E  | 2111' FNL 1980' FWL | T10S-R21E-19-SWNE         |
| UTUO10953    | 4304736279 | NBU 451-01E  | 1965' FSL 2132' FWL | T10S-R22E-01-NESW         |
| ML22651      | 4304736053 | NBU 456-02E  | 493' FNL 1080' FWL  | T10S-R22E-02-NWNW (Lot 4) |
| UTUO141315   | 4304733063 | NBU 481-03E  | 1490' FSL 556' FEL  | T09S-R21E-03-NESE         |
| UTUO581      | 4304733065 | NBU 483-19E  | 1850' FSL 1980' FWL | T09S-R21E-19-NESW         |
| UTUO575      | 4304733784 | NBU 484-20E  | 350' FNL 823' FWL   | T09S-R21E-20-NWNW         |
| UTUO2270A    | 4304739897 | NBU 486-07E  | 1895 FSL' 1834' FWL | T10S-R21E-07-NESW         |
| UTUO575B     | 4304733121 | NBU 489-07E  | 763' FSL 733' FWL   | T09S-R21E-07-SWSW (Lot 4) |
| UTUO2270A    | 4304733123 | NBU 497-01E  | 2091' FSL 894' FEL  | T10S-R20E-01-NESE         |
| UTUO577A     | 4304733140 | NBU 506-23E  | 720' FNL 1818' FWL  | T09S-R20E-23-NENW         |
| UTUO1791     | 4304733124 | NBU 508-08E  | 915' FSL 355' FEL   | T10S-R21E-08-SESE         |
| UTUO1197A ST | 4304739283 | NBU 513-12EX | 1850' FNL 2133' FWL | T10S-R22E-12-SENW         |
| UTUO2270A    | 4304733696 | NBU 516-12E  | 1950' FSL 1786' FEL | T10S-R20E-12-NWSE         |
| UTUO141315   | 4304733779 | NBU 519-03E  | 1749' FSL 798' FWL  | T09S-R21E-03-NWSW         |
| UTUO575B     | 4304733780 | NBU 521-08E  | 2250' FSL 900' FWL  | T09S-R21E-08-NWSW         |
| UTUO1188     | 4304733781 | NBU 522-10E  | 732' FSL 841' FEL   | T09S-R21E-10-SESE         |
| UTUO2270A    | 4304733685 | NBU 523-12E  | 660' FSL 660' FEL   | T10S-R20E-12-SESE         |
| UTUO2270A    | 4304733701 | NBU 524-12E  | 841' FSL 1795' FEL  | T10S-R20E-12-SWSE         |
| UTUO2270A    | 4304739722 | NBU 529-07E  | 704' FNL 762' FWL   | T10S-R21E-07-NWNW         |
| UTUO581      | 4304734639 | NBU 534-18E  | 1885' FSL 115' FWL  | T09S-R21E-18-NWSW         |
| UTUO2270A    | 4304735200 | NBU 535-17E  | 1893' FSL 580' FWL  | T10S-R21E-17-NWSW         |
| ML22791      | 4304735252 | NBU 536-18E  | 734' FSL 2293' FWL  | T10S-R21E-18-SESW         |
| UTUO2270A    | 4304735253 | NBU 537-18E  | 1880' FSL 1830' FEL | T10S-R21E-18-NWSE         |

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| Lease #      | API #      | Well Name   | Footages            | Legal Description |
|--------------|------------|-------------|---------------------|-------------------|
| UTUO284      | 4304735886 | NBU 538-19E | 1937' FSL 1833' FWL | T09S-R22E-19-NESW |
| UTUO149076   | 4304735887 | NBU 539-24E | 1870' FSL 477' FEL  | T09S-R21E-24-NESE |
| UTUO10953    | 4304736280 | NBU 546-01E | 2036' FSL 699' FWL  | T10S-R22E-01-NWSW |
| UTUO10953    | 4304736278 | NBU 547-01E | 749' FSL 598' FWL   | T10S-R22E-01-SWSW |
| UTU474       | 4304737687 | NBU 553-28E | 767' FNL 753' FWL   | T10S-R22E-28-NWNW |
| UTU474       | 4304737686 | NBU 554-28E | 2023' FNL 465' FWL  | T10S-R22E-28-SWNW |
| ML22791      | 4304737685 | NBU 555-18E | 1984' FSL 1790' FWL | T10S-R21E-18-NESW |
| ML22791      | 4304737514 | NBU 556-18E | 1800' FSL 870' FWL  | T10S-R21E-18-NWSW |
| ML22791      | 4304737513 | NBU 557-18E | 852' FSL 661' FWL   | T10S-R21E-18-SWSW |
| UTUO2270A    | 4304737510 | NBU 558-17E | 748' FSL 611' FWL   | T10S-R21E-17-SWSW |
| UTUO2278C    | 4304737509 | NBU 559-17E | 467' FSL 2065' FWL  | T10S-R21E-17-SESW |
| UTUO2278     | 4304737508 | NBU 560-17E | 1946' FSL 1896' FWL | T10S-R21E-17-NESW |
| UTUO2278     | 4304737512 | NBU 561-17E | 857' FSL 1988' FEL  | T10S-R21E-17-SWSE |
| ML22792      | 4304737536 | NBU 562-19E | 859' FNL 859' FEL   | T10S-R21E-19-NENE |
| ML22792      | 4304737537 | NBU 563-19E | 1982' FSL 1878' FEL | T10S-R21E-19-NWSE |
| UTU4476      | 4304738962 | NBU 564-26E | 665' FNL 1945' FWL  | T10S-R20E-26-NENW |
| ML22793      | 4304737533 | NBU 565-30E | 1865' FNL 1786' FEL | T10S-R21E-30-SWNE |
| UTUO2270A    | 4304738375 | NBU 566-17E | 538' FNL 1806' FWL  | T10S-R21E-17-NENW |
| UTUO1791     | 4304738535 | NBU 567-17E | 690' FNL 1988' FEL  | T10S-R21E-17-NWNE |
| UTUO1791     | 4304738537 | NBU 568-17E | 850' FNL 807' FEL   | T10S-R21E-17-NENE |
| UTUO1791     | 4304738534 | NBU 569-17E | 2009' FNL 1809' FEL | T10S-R21E-17-SWNE |
| UTUO1791     | 4304738529 | NBU 570-17E | 2031' FNL 672' FEL  | T10S-R21E-17-SENE |
| UTUO2278     | 4304738377 | NBU 571-17E | 1964' FSL 1831' FEL | T10S-R21E-17-NWSE |
| UTUO2278     | 4304738374 | NBU 572-17E | 1810' FSL 739' FEL  | T10S-R21E-17-NESE |
| UTUO2278     | 4304738510 | NBU 573-17E | 813' FSL 481' FEL   | T10S-R21E-17-SESE |
| ML22650      | 4304739308 | NBU 602-36E | 1723' FNL 719' FWL  | T09S-R22E-36-SWNW |
| UTUO1393B    | 4304739305 | NBU 614-05E | 716' FNL 1967' FEL  | T10S-R21E-05-NWNE |
| UTUO1393B    | 4304739655 | NBU 615-05E | 2384' FNL 1015' FEL | T10S-R21E-05-SENE |
| UTUO1393B    | 4304739337 | NBU 617-04E | 933' FNL 745' FWL   | T10S-R21E-04-NWNW |
| UTUO1393B    | 4304739336 | NBU 618-04E | 998' FSL 661' FWL   | T10S-R21E-04-SWSW |
| UTUO1393B    | 4304739414 | NBU 625-04E | 1937' FNL 1722' FWL | T10S-R21E-04-SENW |
| UO01197A ST  | 4304739192 | NBU 632-12E | 860' FNL 2032' FWL  | T10S-R22E-12-NENW |
| UO01197A ST  | 4304739193 | NBU 633-12E | 789' FNL 2179' FEL  | T10S-R22E-12-NWNE |
| UO01197A ST  | 4304739190 | NBU 635-12E | 1808' FNL 1754' FEL | T10S-R22E-12-SWNE |
| UTUO1197A ST | 4304739191 | NBU 636-12E | 1824' FNL 461' FEL  | T10S-R22E-12-SENE |
| UTUO8512 ST  | 4304750016 | NBU 638-13E | 1926' FNL 2504' FWL | T10S-R22E-13-SENW |
| UTUO8512 ST  | 4304750019 | NBU 639-13E | 859' FNL 1902' FEL  | T10S-R22E-13-NWNE |
| UTUO8512 ST  | 4304750014 | NBU 640-13E | 1619' FNL 1639' FEL | T10S-R22E-13-SWNE |
| UTUO8512A ST | 4304750058 | NBU 641-13E | 990' FNL 1184' FEL  | T10S-R22E-13-NENE |
| UTUO8512 ST  | 4304750013 | NBU 642-13E | 1949' FNL 858' FEL  | T10S-R22E-13-SENE |
| UTUO2270A    | 4304739957 | NBU 653-07E | 660' FNL 1980' FWL  | T10S-R21E-07-NENW |
| UTUO2270A    | 4304739956 | NBU 654-07E | 1913' FNL 522' FWL  | T10S-R21E-07-SWNW |
| UTUO2270A    | 4304739860 | NBU 655-07E | 1926' FSL 750' FWL  | T10S-R21E-07-NWSW |
| UTUO1791     | 4304739856 | NBU 658-01E | 2177' FNL 1784' FEL | T10S-R20E-01-SWNE |
| UTUO2270A    | 4304739858 | NBU 660-12E | 661' FNL 691' FEL   | T10S-R20E-12-NENE |
| ML22790      | 4304750011 | NBU 661-24E | 1734' FSL 661' FWL  | T10S-R20E-24-NWSW |
| ML22790      | 4304750017 | NBU 662-24E | 809' FSL 807' FWL   | T10S-R20E-24-SWSW |
| ML22790      | 4304750010 | NBU 663-24E | 810' FSL 1979' FWL  | T10S-R20E-24-SESW |
| ML22790      | 4304739867 | NBU 664-24E | 1810' FNL 1781' FEL | T10S-R20E-24-NWSE |
| ML22790      | 4304750018 | NBU 665-24E | 1950' FSL 660' FEL  | T10S-R20E-24-NESE |
| ML22790      | 4304750057 | NBU 666-24E | 1043' FSL 1722' FEL | T10S-R20E-24-SWSE |
| ML22790      | 4304750012 | NBU 667-24E | 660' FSL 660' FEL   | T10S-R20E-24-SESE |
| UTUO2270A    | 4304739901 | NBU 668-12E | 859' FNL 1915' FEL  | T10S-R20E-12-NWNE |
| UO1207 ST    | 4304740084 | NBU 670-29E | 2018' FSL 859' FEL  | T09S-R22E-29-NESE |
| UO1207 ST    | 4304750027 | NBU 691-29E | 680' FNL 797' FEL   | T09S-R22E-29-NENE |
| ML3140.5     | 4304738330 | NBU 760-36E | 1320' FNL 1320' FEL | T09S-R20E-36-NENE |
| UTU4476      | 4304738632 | NBU 762-26E | 1506' FNL 1449' FEL | T10S-R20E-26-SWNE |
| ML22792      | 4304738332 | NBU 763-19E | 1258' FSL 1388' FEL | T10S-R21E-19-SWSE |
| ML3142       | 4304738331 | NBU 764-32E | 875' FNL 667' FWL   | T09S-R21E-32-NWNW |
| UTUO1791     | 4304738633 | NBU 765-09E | 1000' FSL 1640' FWL | T10S-R21E-09-SESW |

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DIV. OF OIL, GAS & MINING

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|---|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU02270A |
| 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.  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
|   |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>NATURAL BUTTES      |
| <b>1. TYPE OF WELL</b><br>Gas Well  | <b>8. WELL NAME and NUMBER:</b><br>NBU 668-12E  |   |
| <b>2. NAME OF OPERATOR:</b><br>KERR-MCGEE OIL & GAS ONSHORE, L.P.   | <b>9. API NUMBER:</b><br>43047399010000   |   |
| <b>3. ADDRESS OF OPERATOR:</b><br>P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779   | <b>PHONE NUMBER:</b><br>720 929-6515 Ext  | <b>9. FIELD and POOL or WILDCAT:</b><br>NATURAL BUTTES      |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0859 FNL 1915 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NWNE Section: 12 Township: 10.0S Range: 20.0E Meridian: S   | <b>COUNTY:</b><br>UINTAH  |   |
|   |   | <b>STATE:</b><br>UTAH                                       |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |   |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>3/28/2011<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date: | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input checked="" type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER |   |
|   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input style="width: 100px;" type="text"/>   |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  |   |   |
| THIS WELL RETURNED TO PRODUCTION ON 03/28/2011.   |   |   |
| <b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining<br/>FOR RECORD ONLY</b>   |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Sheila Wopsock  | <b>PHONE NUMBER</b><br>435 781-7024   | <b>TITLE</b><br>Regulatory Analyst                          |
| <b>SIGNATURE</b><br>N/A   | <b>DATE</b><br>4/11/2011  |   |