

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**

1a. Type of Work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 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 EOG RESOURCES, INC.		7. If Unit or CA Agreement, Name and No. NATURAL BUTTES UN
Contact: MARY A. MAESTAS E-Mail: mary_maestas@eogresources.com		8. Lease Name and Well No. NATURAL BUTTES UNIT 428-07E
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 303-824-5526	9. API Well No. 43-047-40049
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface Lot 4 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon At proposed prod. zone Lot 4 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon		10. Field and Pool, or Exploratory NATURAL BUTTES/WASATCH
14. Distance in miles and direction from nearest town or post office* 43.15 MILES SOUTH OF VERNAL, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 7 T10S R21E Mer SLB SWSW
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'	16. No. of Acres in Lease 2167.00	12. County or Parish UINTAH COUNTY
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2770'	19. Proposed Depth 6242 MD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5056 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well
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:

- 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 (Electronic Submission) <i>Mary A. Maestas</i>	Name (Printed/Typed) MARY A. MAESTAS Ph: 303-824-5526	Date 05/05/2008
Title REGULATORY ASSISTANT		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 05-15-08
Title	Office 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.

Additional Operator Remarks (see next page)

Electronic Submission #60101 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal

RECEIVED

MAY 07 2008

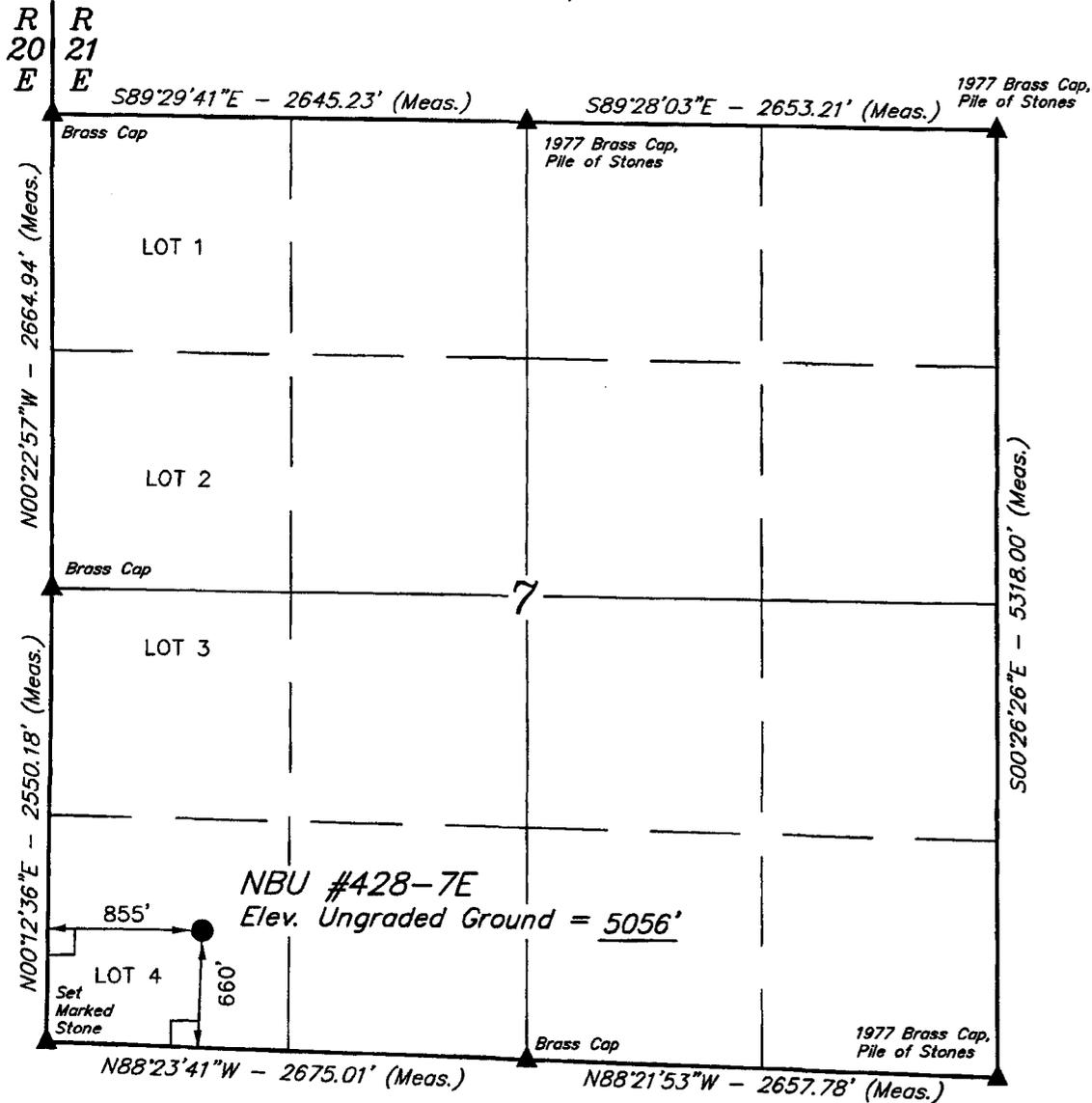
DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

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

619522X  
44237314  
39.957175  
-109.600715

T10S, R21E, S.L.B.&M.



EOG RESOURCES, INC.

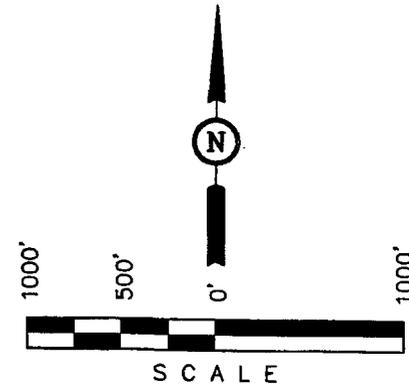
Well location, NBU #428-7E, located as shown in Lot 4 of Section 7, T10S, R21E, S.L.B.&M., Uintah County, Utah.

**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.

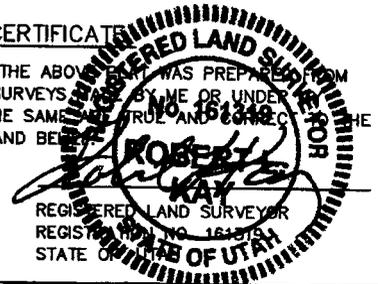
**BASIS OF BEARINGS**

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



**CERTIFICATE**

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



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 39°57'25.73" (39.957147)  
 LONGITUDE = 109°36'05.05" (109.601403)  
 (NAD 27)  
 LATITUDE = 39°57'25.86" (39.957183)  
 LONGITUDE = 109°36'02.57" (109.600714)

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

SCALE 1" = 1000'	DATE SURVEYED: 1-30-08	DATE DRAWN: 2-1-08
PARTY D.S. E.D. C.P.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EOG RESOURCES, INC.	

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 428-07E**  
**Lot 4, SEC. 7, T10S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

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

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,261		Shale	
Mahogany Oil Shale Bed	1,920		Shale	
Wasatch	4,567	Primary	Sandstone	Gas
Chapita Wells	5,201	Primary	Sandstone	Gas
Buck Canyon	5,883	Primary	Sandstone	Gas
<b>TD</b>	<b>6,242</b>			

Estimated TD: 6,242' or 200'± below TD

**Anticipated BHP: 3,408 Psig**

- Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
- 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:**

CASING	Hole Size	Length	Size	WEIGHT	Grade	Thread	Rating Collapse	Factor Burst	Tensile
Conductor	17 1/2"	0 – 60'	13 3/8"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 1/4"	0' – 2,300' 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 428-07E Lot 4, SEC. 7, T10S, R21E, 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 2<sup>nd</sup> 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.

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 428-07E**  
**Lot 4, SEC. 7, T10S, R21E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**1. 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).

**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**

## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 428-07E Lot 4, SEC. 7, T10S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 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:** 125 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:** 375 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.

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 428-07E**  
**Lot 4, SEC. 7, T10S, R21E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**11. STANDARD REQUIRED EQUIPMENT:**

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

**12. HAZARDOUS CHEMICALS:**

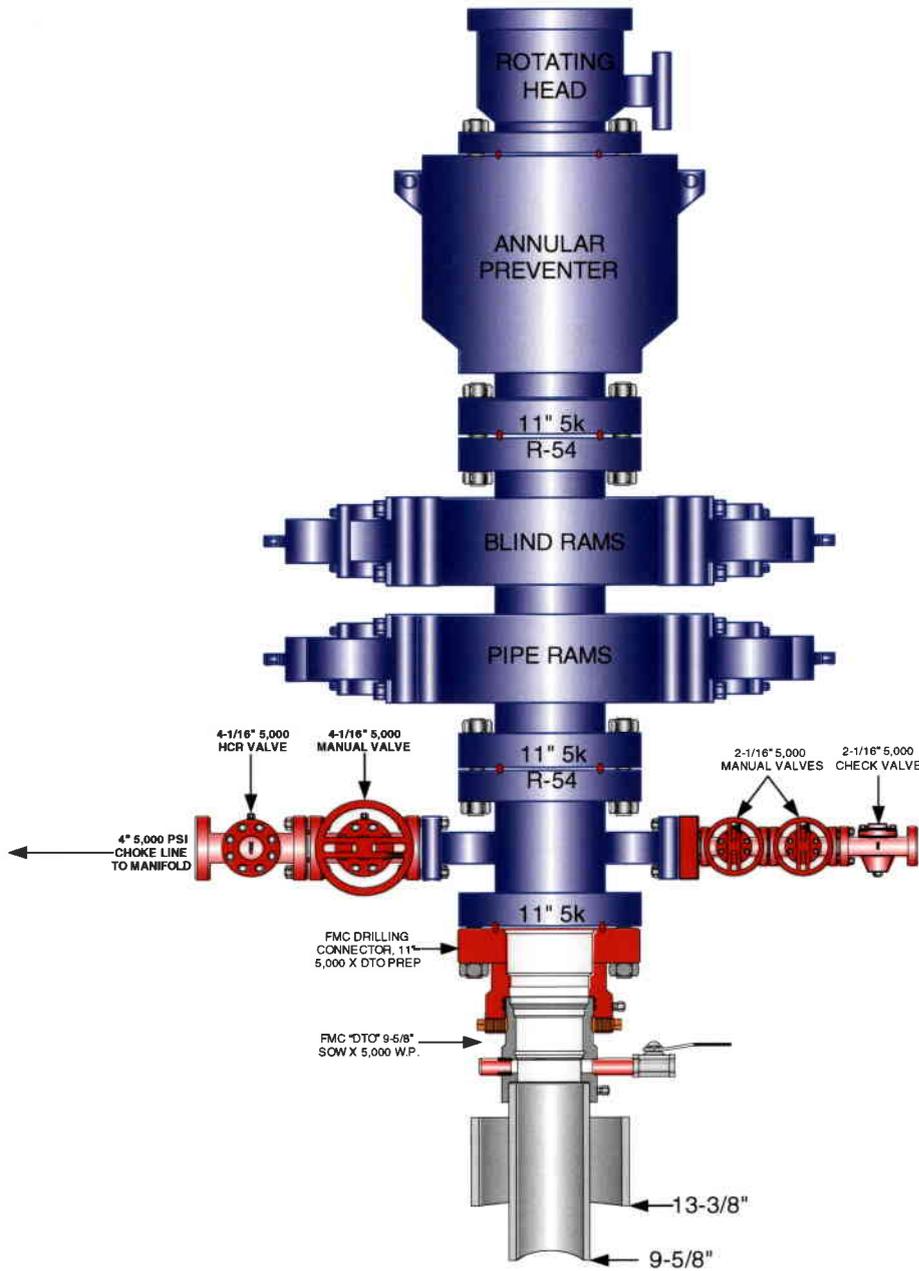
No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold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

**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.

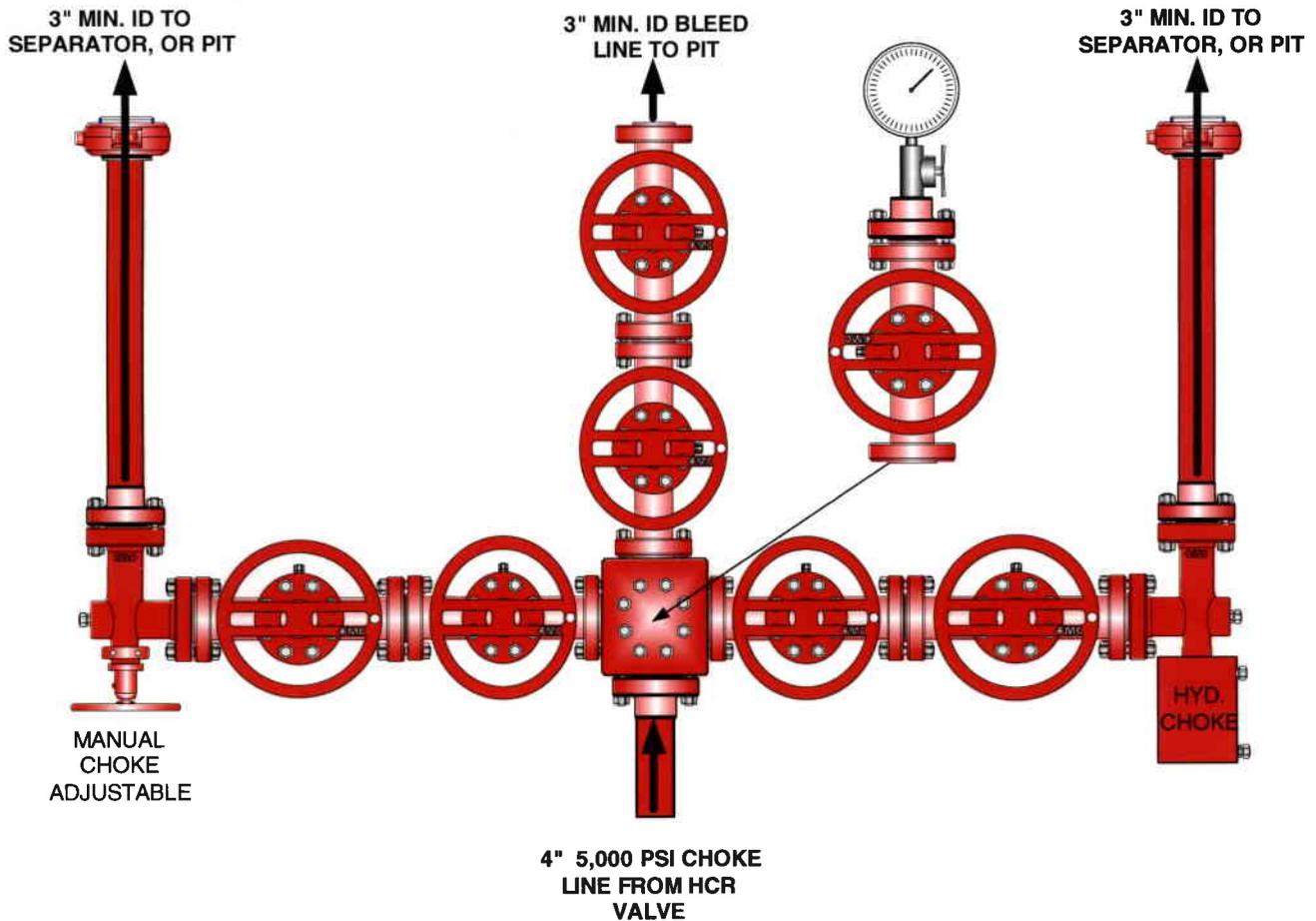
(Attachment: BOP Schematic Diagram)

**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 428-07E  
Lot 4, Section 7, T10S, R21E  
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 110 feet long with a 40-foot right-of-way, disturbing approximately .10 acre. New surface disturbance associated with the well pad and access road is estimated to be 2.35 acres. The pipeline is approximately 178 feet long with a 40-foot right-of-way disturbing approximately .16 acre.

**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 43.15 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 110' 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 178’ x 40’. The proposed pipeline leaves the northern edge of the well pad (Lease U-02270-A) proceeding in a northerly direction for an approximate distance of 178’ tying into an existing pipeline in Lot 4 of Section 7, T10S, R21E (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 Lot 4 of Section 7, Township 10S, Range 21E, proceeding northerly for an approximate distance of 178’ to Lot 4 of Section 7, Township 10S, Range 21E.
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 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 northeast corner of the location. The flare pit will be located downwind of the prevailing wind direction on the east 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 south 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 southwest.

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

**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. 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 (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 (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 or 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<sup>®</sup> 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 will be submitted by Montgomery Archaeological Consultants. A paleontological 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.

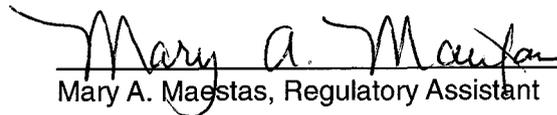
The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

**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 428-07E Well, located in Lot 4, of Section 7, T10S, R21E, 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.

May 5, 2008  
Date

  
Mary A. Maestas, Regulatory Assistant

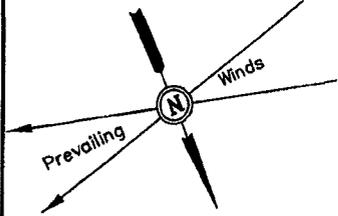
Date of onsite: April 24, 2008

EOG RESOURCES, INC.

LOCATION LAYOUT FOR

NBU #428-7E  
SECTION 7, T10S, R21E, S.L.B.&M.  
660' FSL 855' FWL

FIGURE #1



SCALE: 1" = 50'  
DATE: 2-1-08  
Drawn By: C.P.

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

Proposed Access Road

F-2.2'  
El. 55.0'

Approx. Top of Cut Slope

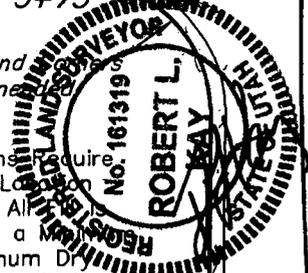
Sta. 3+75

C-1.0'  
El. 58.2'

Round as no

**NOTE:**

Earthwork Calculations require a Fill of 1.0' @ the Location Stake For Balance. All to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.



Existing Road

CATWALK

PIPE RACKS

F-0.5'  
El. 56.7'

F-1.0'  
El. 56.2'

F-0.7'  
El. 56.5'

C-13.2'  
El. 58.4'  
(btm. pit)

Sta. 1+75

CONSTRUCT DIVERSION DITCH

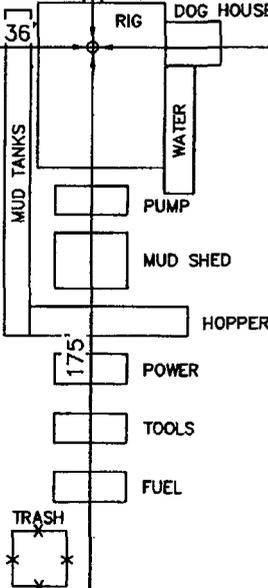
Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

RESERVE PITS (12' Deep)

Total Pit Capacity  
W/2 of Freeboard  
= 14,950 Bbls. ±  
Total Pit Volume  
= 4,030 Cu. Yds

1:1 1/2 SLOPE



TRAILER  
TOILET  
FUEL

Sta. 0+50 STORAGE TANK

Existing Drainage

C-12.0'  
El. 57.2'  
(btm. pit)

20' WIDE BENCH

F-1.3'  
El. 55.9'

F-0.4'  
El. 56.8'

Sta. 0+00

Approx. Toe of Fill Slope

F-3.3'  
El. 53.9'

Elev. Ungraded Ground at Location Stake = 5056.2'  
Elev. Graded Ground at Location Stake = 5057.2'

**EOG RESOURCES, INC.**

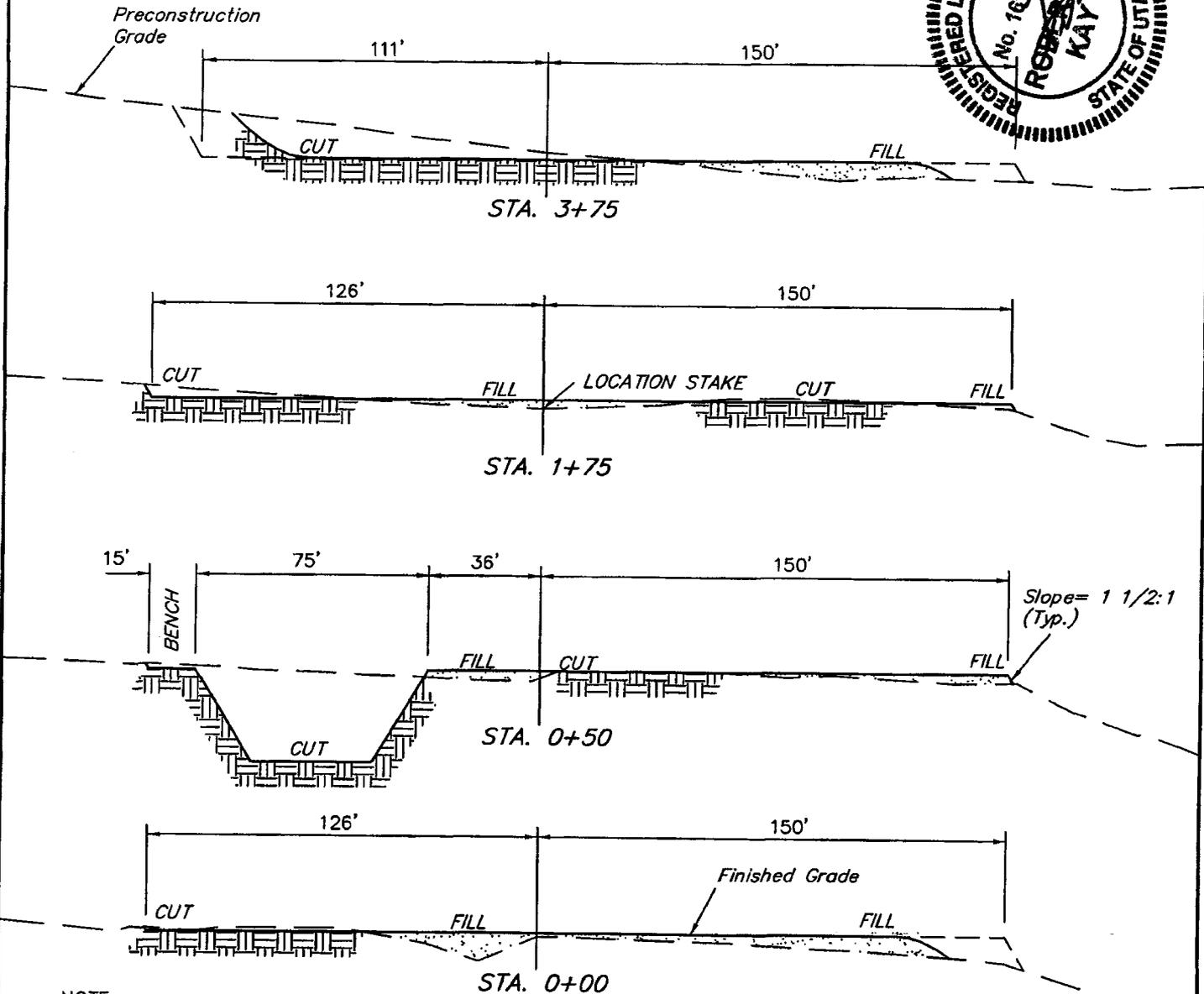
**TYPICAL CROSS SECTIONS FOR**

NBU #428-7E  
SECTION 7, T10S, R21E, S.L.B.&M.  
660' FSL 855' FWL

**FIGURE #2**

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

DATE: 2-1-08  
Drawn By: C.P.



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	1,880 Cu. Yds.
Remaining Location	=	4,840 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>6,720 CU. YDS.</b>
<b>FILL</b>	<b>=</b>	<b>2,820 CU. YDS.</b>

EXCESS MATERIAL	=	3,900 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,900 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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

**EOG RESOURCES, INC.**  
**PRODUCTION FACILITY LAYOUT FOR**

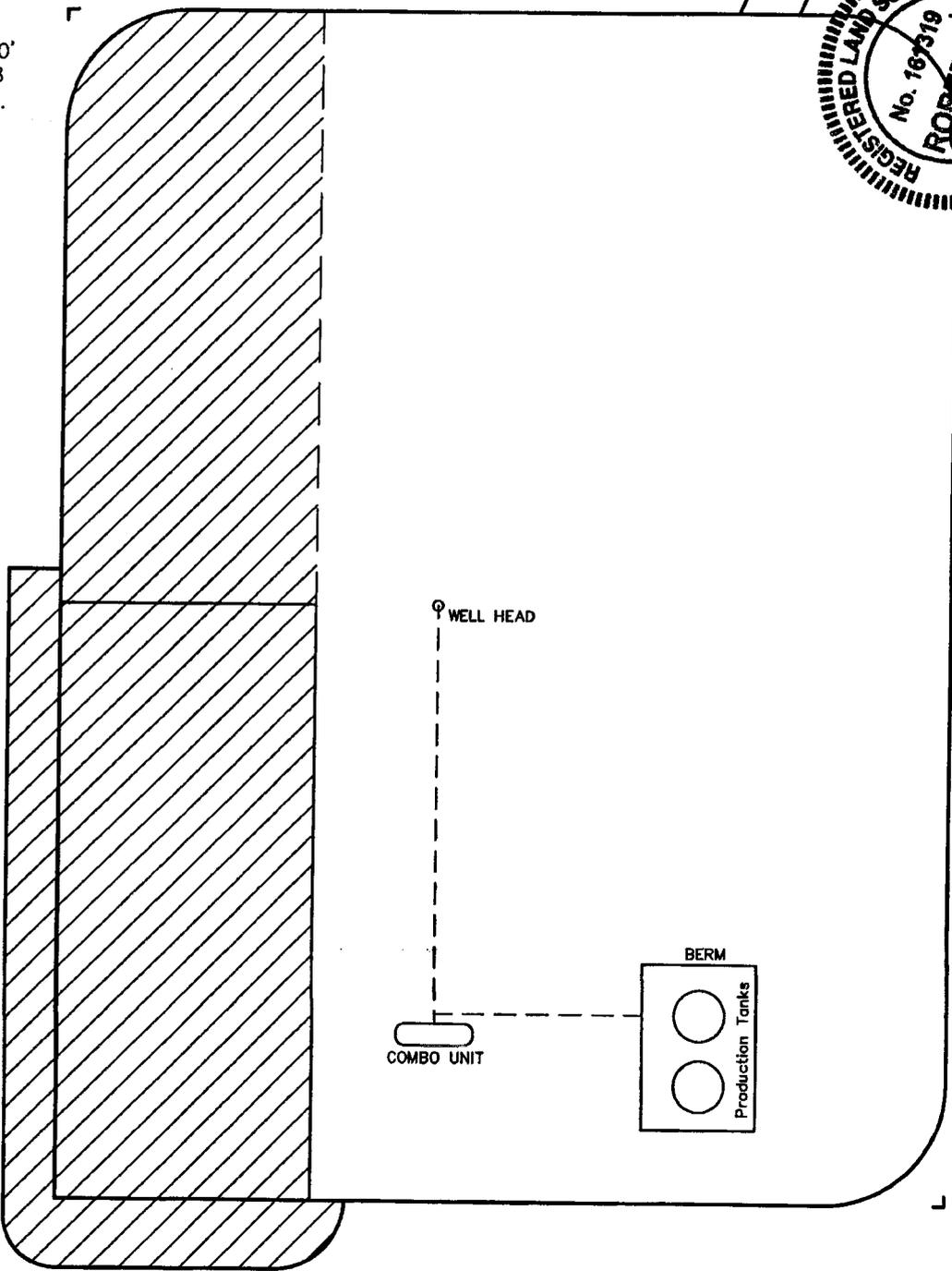
**FIGURE #3**

NBU #428-7E  
SECTION 7, T10S, R21E, S.L.B.&M.  
660' FSL 855' FWL



Existing Access Road

SCALE: 1" = 50'  
DATE: 2-1-08  
Drawn By: C.P.



 RE-HABED AREA

# EOG RESOURCES, INC.

## NBU #428-7E

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 7, T10S, R21E, S.L.B.&M.

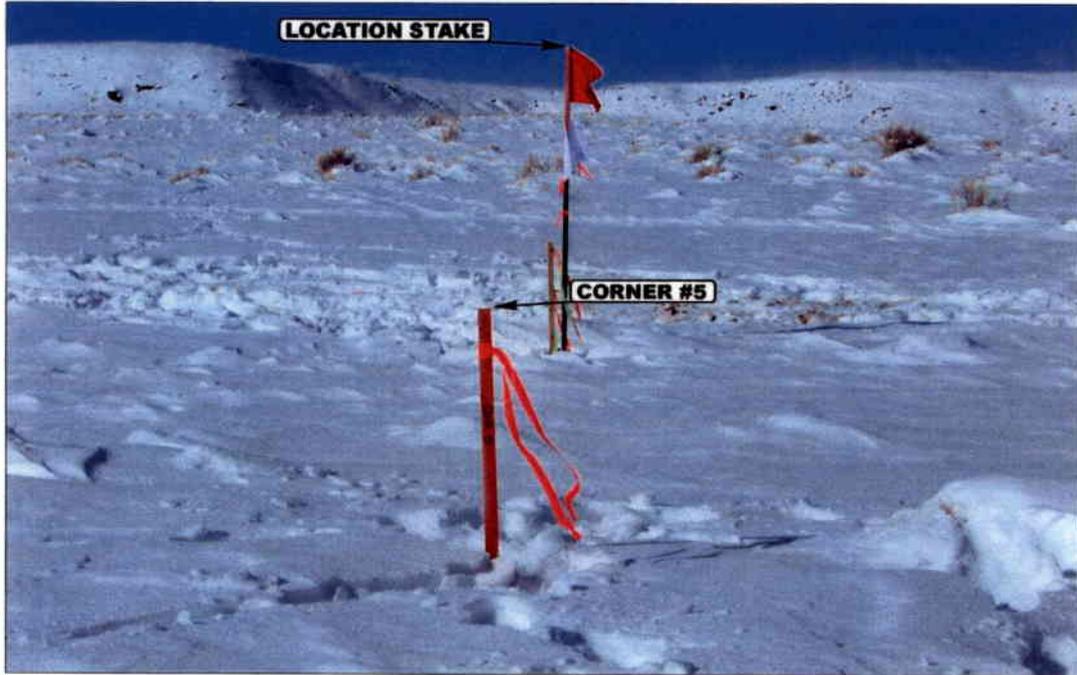


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



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

LOCATION PHOTOS

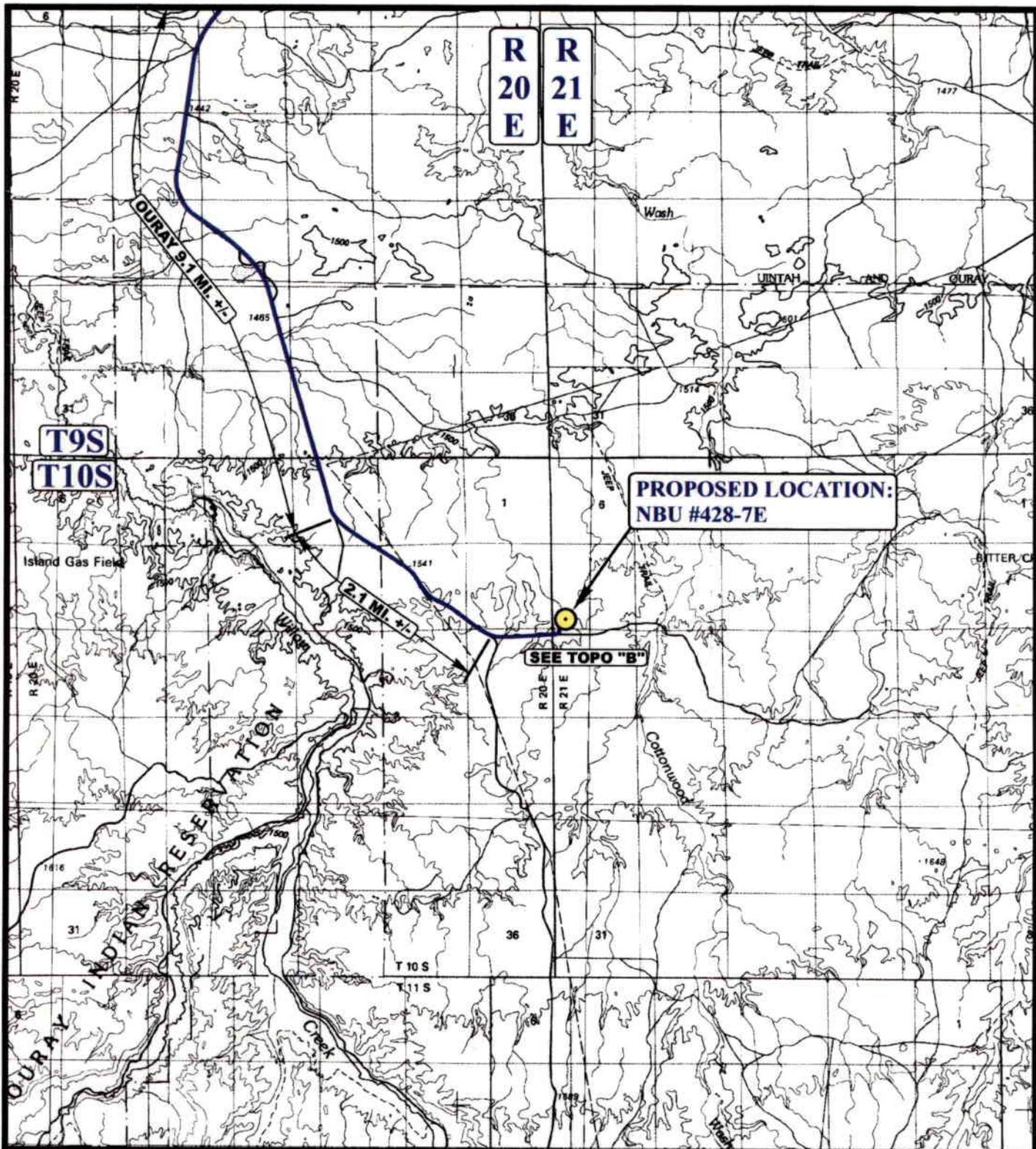
01 31 08  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.S.

DRAWN BY: Z.L.

REVISED: 00-00-00



**LEGEND:**

● PROPOSED LOCATION



**EOG RESOURCES, INC.**

NBU#428-7E  
SECTION 7, T10S, R21E, S.L.B.&M.  
660' FSL 855' FWL

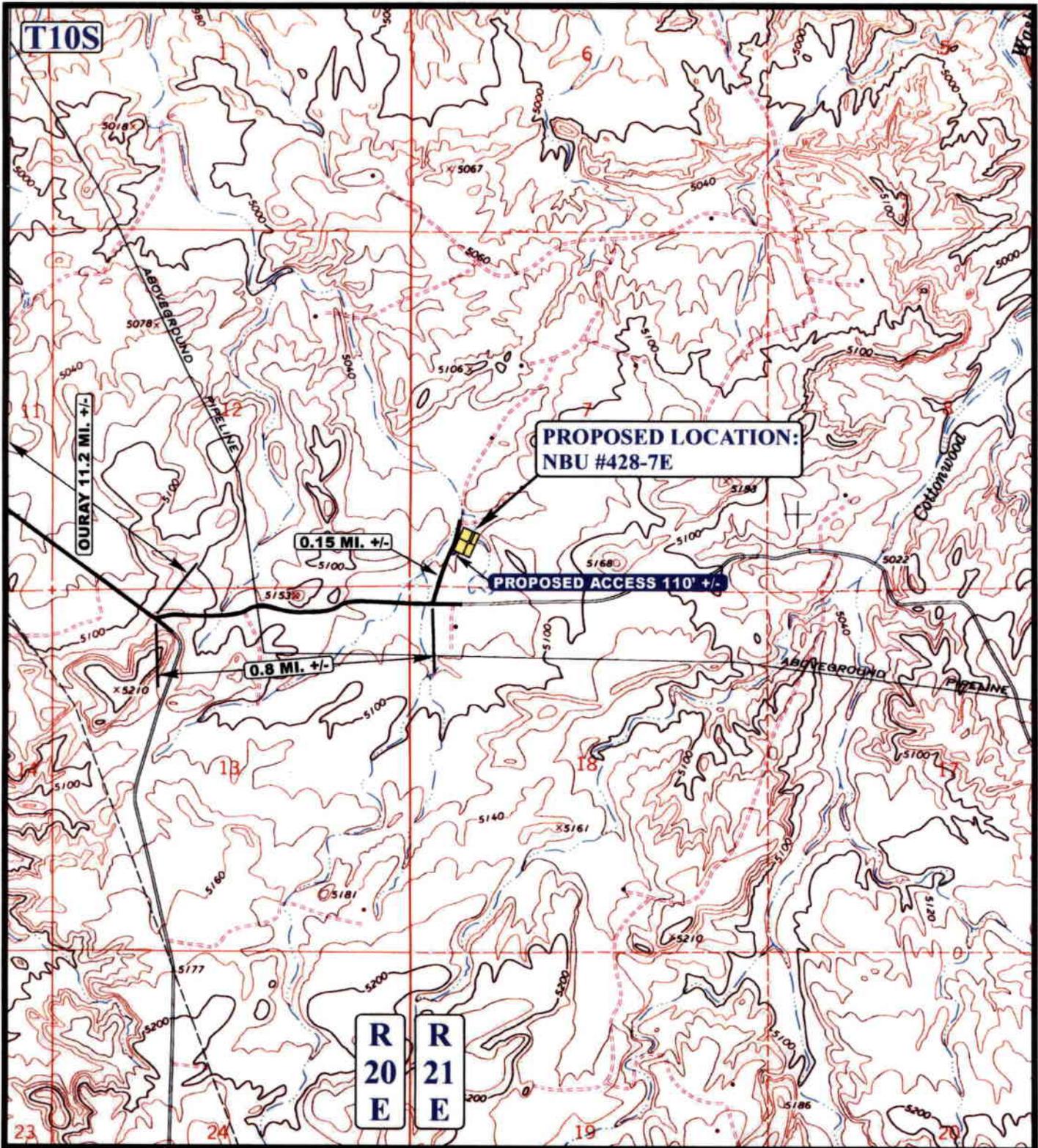


**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 01 31 08  
MONTH DAY YEAR

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





**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

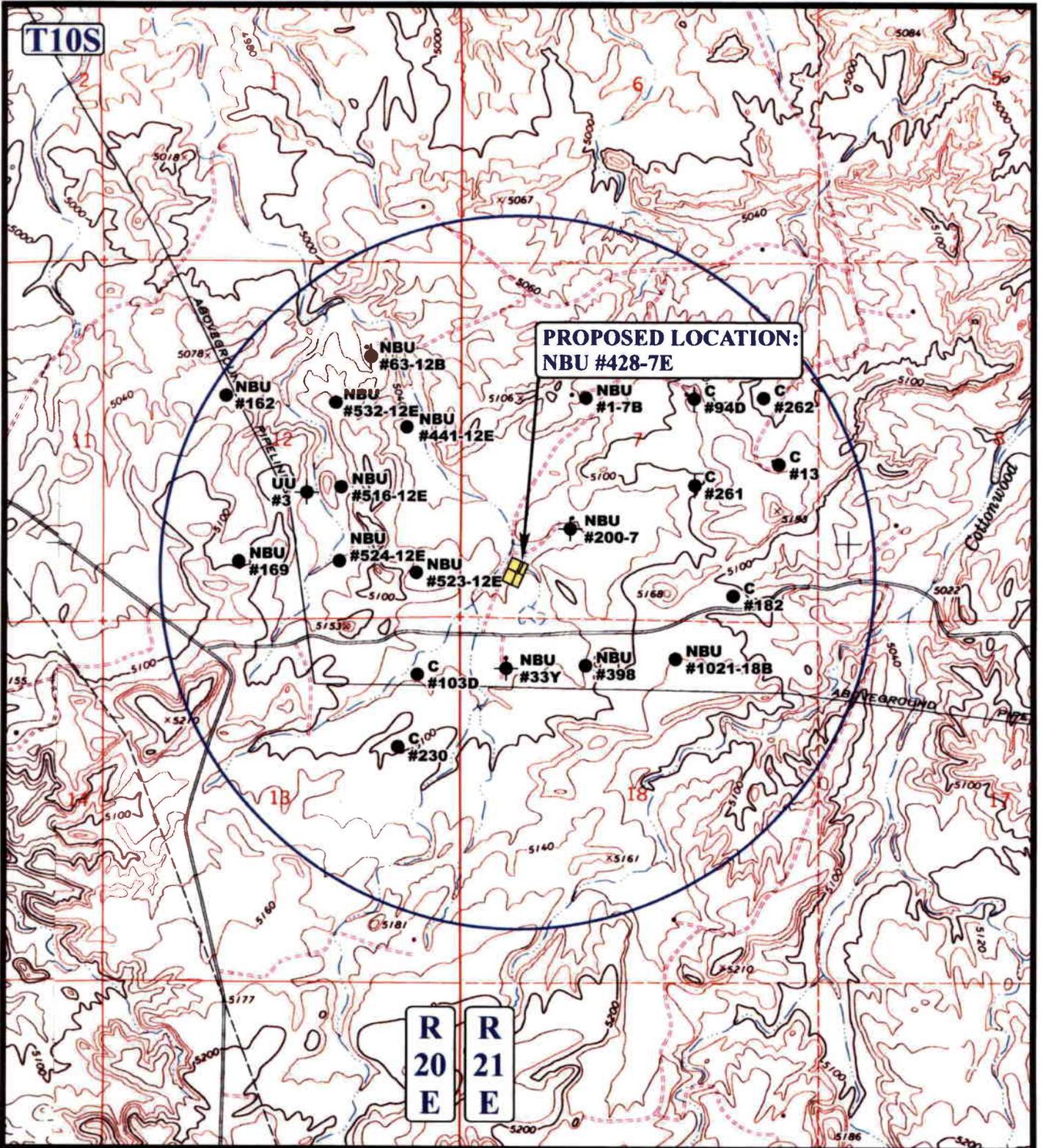


**EOG RESOURCES, INC.**

NBU#428-7E  
 SECTION 7, T10S, R21E, S.L.B.&M.  
 660' FSL 855' FWL

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

**TOPOGRAPHIC MAP** 01 31 08  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00 **B**  
 TOPO



**PROPOSED LOCATION:  
NBU #428-7E**

**LEGEND:**

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

**EOG RESOURCES, INC.**

**NBU#428-7E  
SECTION 7, T10S, R21E, S.L.B.&M.  
660' FSL 855' FWL**

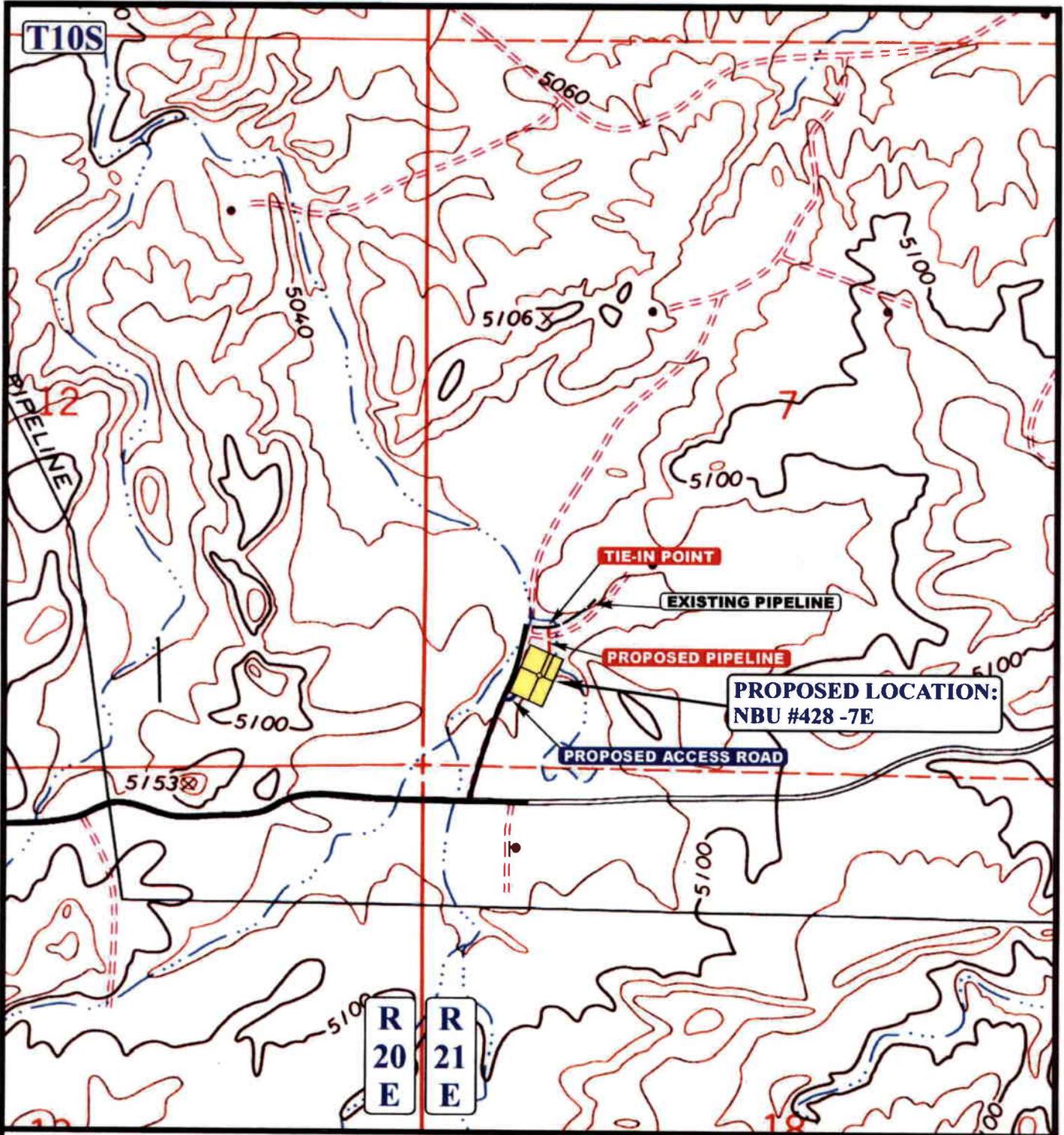


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 01 31 08  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 178' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



**EOG RESOURCES, INC.**

NBU#428-7E  
 SECTION 7, T10S, R21E, S.L.B.&M.  
 660' FSL 855' FWL

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

**TOPOGRAPHIC MAP** 01 31 08  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00 **D**  
 TOPO

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/07/2008

API NO. ASSIGNED: 43-047-40049

WELL NAME: NBU 428-07E  
 OPERATOR: EOG RESOURCES, INC. ( N9550 )  
 CONTACT: MARY MAESTAS

PHONE NUMBER: 303-824-5526

PROPOSED LOCATION:

SWSW 07 100S 210E  
 SURFACE: 0660 FSL 0855 FWL  
 BOTTOM: 0660 FSL 0855 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.95718 LONGITUDE: -109.6007  
 UTM SURF EASTINGS: 619522 NORTHINGS: 4423731  
 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:

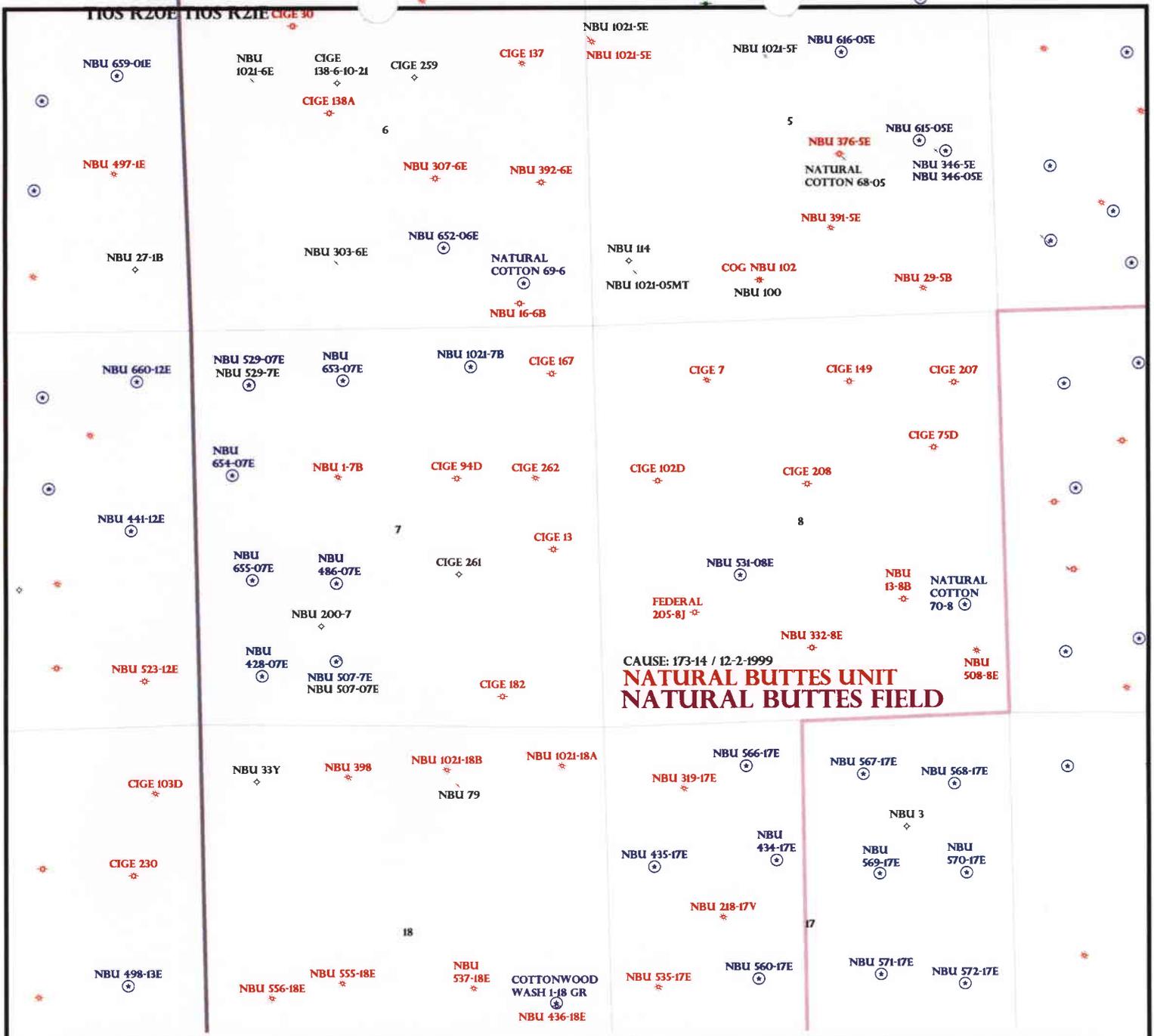
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. NM2308 )
- N Potash (Y/N)
- Y Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-225 )
- N RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- NA Fee Surf Agreement (Y/N)
- NA Intent to Commingle (Y/N)

LOCATION AND SITING:

- \_\_\_ R649-2-3.
- Unit: NATURAL BUTTES *OK*
- \_\_\_ 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: 12-2-1999  
Siting: 460' fr u bdr g 8' uncom. Tracts
- \_\_\_ R649-3-11. Directional Drill

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

STIPULATIONS: 1- Federal Approval  
2- On STATE



OPERATOR: EOG RESOURCES INC (N9550)

SEC: 7,8 T.10S R. 21E

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
  - x LOCATION ABANDONED
  - o NEW LOCATION
  - x PLUGGED & ABANDONED
  - o PRODUCING GAS
  - o PRODUCING OIL
  - o SHUT-IN GAS
  - o SHUT-IN OIL
  - x TEMP. ABANDONED
  - o TEST WELL
  - o WATER INJECTION
  - o WATER SUPPLY
  - o WATER DISPOSAL
  - o DRILLING



PREPARED BY: DIANA MASON  
DATE: 14-MAY-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

May 15, 2008

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

Re: Natural Buttes Unit 428-07E Well, 660' FSL, 855' FWL, SW SW, Sec. 7, T. 10 South,  
R. 21 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 43-047-40049.

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 428-07E

**API Number:** 43-047-40049

**Lease:** UTU02270A

**Location:** SW SW                      **Sec.** 7                      **T.** 10 South                      **R.** 21 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.

**RECEIVED**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAY - 6 2008

APPLICATION FOR PERMIT TO DRILL OR REENTER **BLM**

1a. Type of Work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 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 EOG RESOURCES INC		7. If Unit or CA Agreement, Name and No. UTU63047A	
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078		8. Lease Name and Well No. NBU 428-07E	
3b. Phone No. (include area code) Ph: 303-824-5526		9. API Well No. 43-047-40049	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>Lot 4</b> 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon At proposed prod. zone <b>Lot 4</b> 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon		10. Field and Pool, or Exploratory NATURAL BUTTES	
14. Distance in miles and direction from nearest town or post office* 43.15 MILES SOUTH OF VERNAL, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 7 T10S R21E Mer SLB SME: BLM	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'		12. County or Parish UINTAH	
16. No. of Acres in Lease 2,167.030		13. State UT	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2770'		17. Spacing Unit dedicated to this well	
19. Proposed Depth 6242 MD		20. BLM/BIA Bond No. on file NM2308	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5056 GL		23. Estimated duration 45 DAYS	
22. Approximate date work will start		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 (Electronic Submission)	Name (Printed/Typed) MARY A. MAESTAS Ph: 303-824-5526	Date 05/05/2008
Title REGULATORY ASSISTANT		
Approved by (Signature)	Name (Printed/Typed) JERRY KENCZKA	Date DEC 10 2008
Title Assistant Field Manager Lands & Mineral Resources		
Office 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.

Additional Operator Remarks (see next page)

Electronic Submission #60101 verified by the BLM Well Information System  
For EOG RESOURCES INC, sent to the Vernal  
Committed to AFMSS for processing by GAIL JENKINS on 05/06/2008 (08GXJ3787AE)

**NOTICE OF APPROVAL**

**RECEIVED**

DEC 15 2008

DIV. OF OIL, GAS & MINING

\*\* BLM REVISED \*\*

**UDOGM**

08GXJ2484 AE

NOS: 02-28-2008



**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 428-07E  
**API No:** 43-047-40049

**Location:** Lot 4, Sec. 7, T10S, R21E  
**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	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
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 (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (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.
- 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.
- 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.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.  
COA specification is consistent with operators performance standard stated in APD.
- 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 requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- A Gamma Ray well Log shall be run from the well Total Depth to the surface.  
A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

Onshore Order no. #2 Drilling Operations III. E. 1.

- All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

Variance(s) to Onshore Order #2 Drilling Operations III. E.

- requirement for deduster equipment
  - requirement waived for deduster equipment  
Deduster equipment capabilities described by operator as function performed by continuous sprayer water mist.
  - automatic igniter or continuous pilot light on the blooie line
  - requirement waived for ignitor and pilot light  
operators blooie line output fluid stream is an incombustible aerated water system  
blooie line fire prevention and suppression function operation achieved thru continuous aerated water fluid stream flow
  - compressors located in opposite direction from the blooie line a minimum of 100 feet
  - Compressors are truck mounted. Operators standard practice is to rig up with truck mounted compressors oriented ninety degrees to blooie line. Compressors are truck mounted with spark arresters.
- Conductor casing shall be set into competent formation at a depth of 60 ft, plus or minus 10 ft.  
COA specification is consistent with operators performance standard (operators shallow surface operations covered in part 13 Air Drilling Operations) stated in APD.

**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.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- 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\_Welllogs@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 ( $\frac{1}{4}$  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.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: EOG Resources, Inc.

Well Name: NBU 428-07E

API No: 43-047-40049 Lease Type: Federal

Section 07 Township 10S Range 21E County Uintah

Drilling Contractor Craig's Roustabout Services Rig # Bucket

### SPUDDED:

Date 04/14/09

Time 10:00 AM

How Dry

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

Reported by Kent

Telephone # 435-828-8200

Date 04/14/2009 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
43-047-40084	NATURAL BUTTES UNIT 670-29E		NESE	29	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>AB</i>	99999	<i>2900</i>	4/10/2009		4/16/09		
Comments: <i>WASATCH = WSMVB</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-40049	NATURAL BUTTES UNIT 428-07E		SWSW	7	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>AB</i>	99999	<i>2900</i>	4/14/2009		4/16/09		
Comments: <i>WASATCH = WSMVB</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**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 \_\_\_\_\_  
 Title \_\_\_\_\_ Date 4/14/2009

**RECEIVED**

APR 14 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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
NATURAL BUTTES UNIT 428-07E

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

9. API Well No.  
43-047-40049

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

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

10. Field and Pool, or Exploratory  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
  
Sec 7 T10S R21E SWSW 660FSL 855FWL  
39.95715 N Lat, 109.60140 W Lon

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

**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 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.)

The referenced well was spud on 4/14/2009.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #68885 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 04/14/2009

**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 16 2009**

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU02270A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 428-07E
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047400490000
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1000 N , Denver, CO, 80202	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0855 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 07 Township: 10.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> 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> 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> 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> 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> Report Date: 7/9/2009	<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 7/9/2009. 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> Mary Maestas	<b>PHONE NUMBER</b> 303 824-5526	<b>TITLE</b> Regulatory Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/13/2009	

# WELL CHRONOLOGY REPORT

Report Generated On: 07-10-2009

<b>Well Name</b>	NBU 428-07E	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	NATURAL BUTTES UNIT	<b>API #</b>	43-047-40049	<b>Well Class</b>	COMP
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	05-22-2009	<b>Class Date</b>	07-09-2009
<b>Tax Credit</b>	N	<b>TVD / MD</b>	6,242/ 6,242	<b>Property #</b>	062915
<b>Water Depth</b>	0	<b>Last CSG</b>	2.375	<b>Shoe TVD / MD</b>	0/ 0
<b>KB / GL Elev</b>	5,070/ 5,057				
<b>Location</b>	Section 7, T10S, R21E, SWSW, 660 FSL & 855 FWL				

<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>	306180	<b>AFE Total</b>	1,220,165	<b>DHC / CWC</b>	553,365/ 666,800
<b>Rig Contr</b>	ELENBURG	<b>Rig Name</b>	ELENBURG #28	<b>Start Date</b>	08-15-2008
<b>08-15-2008</b>	<b>Reported By</b>	SHEILA MALLOY			
<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: 660' FSL & 855' FWL (SW/SW), LOT 4 SECTION 7, T10S, R21E UINTAH COUNTY, UTAH  LAT 39.957147, LONG 109.601403 (NAD 83) LAT 39.957183, LONG 109.600714 (NAD 27)  ELENBURG #28 OBJECTIVE: 6242' TD, WASATCH DW/GAS NATURAL BUTTES PROSPECT DD&A: NATURAL BUTTES NATURAL BUTTES FIELD  LEASE: UTU-02270A ELEVATION: 5056.2' NAT GL, 5057.2' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5057') 5070' KB (13')  EOG BPO WI 100%, NRI 72.196716% EOG APO WI 66.67, NRI 48.228309%

**04-09-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$80,000      **Completion**      \$0      **Daily Total**      \$80,000  
**Cum Costs: Drilling**      \$80,000      **Completion**      \$0      **Well Total**      \$80,000

**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	LOCATION STARTED.

**04-13-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$80,000      **Completion**      \$0      **Well Total**      \$80,000

**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	LOCATION 95% COMPLETE. LINER TUESDAY. CRAIGS ROUSTABOUT SERVICE SPUD A 20" HOLE ON 4/14/09 @ 10:00 AM. SET ±60' 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 4/13/09 @ 08:31 AM.

**04-14-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$80,000      **Completion**      \$0      **Well Total**      \$80,000

**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	LINE LATER TODAY. WEATHER PERMITTING.

**04-15-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$80,000      **Completion**      \$0      **Well Total**      \$80,000

**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	LINE THURSDAY.

**04-16-2009**      **Reported By**      TERRY CSERE

**Daily Costs: Drilling**      \$0      **Completion**      \$0      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$80,000      **Completion**      \$0      **Well Total**      \$80,000

**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	LINING TODAY. WIND PERMITTING.

**04-17-2009**      **Reported By**      TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$80,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$80,000

<b>MD</b>	60	<b>TVD</b>	60	<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:** WO/AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE.

**05-19-2009**      **Reported By**      WOODIE BEARDSLEY

<b>Daily Costs: Drilling</b>	\$224,100	<b>Completion</b>	\$0	<b>Daily Total</b>	\$224,100
<b>Cum Costs: Drilling</b>	\$304,100	<b>Completion</b>	\$0	<b>Well Total</b>	\$304,100

<b>MD</b>	2,433	<b>TVD</b>	2,433	<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:** WORT

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

06:00      06:00      24.0      MIRU CRAIG'S AIR RIG #3 ON 5/1/2009. DRILLED 12-1/4" HOLE TO 2420' GL (2433' KB). ENCOUNTERED NO WATER. DRILLED TO 1600' WITH AIR AND WENT TO PUMP AND WATER. RAN 55 JTS (2408.96') 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 @ 2421.96' KB. RDMO CRAIGS RIG #3.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 5000 PSIG. PUMPED 175 BBLS WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: MIXED & PUMPED 250SX (182 BBLS) OF PREMIUM CEMENT W 0.2% VARSET & 2% EX-1. MIXED CEMENT @ 10.5 PPG W/YIELD OF 4.1 CF/SX. 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/180 BBLS FRESH WATER. BUMPED PLUG W/800 PSI @ 01:30, 5/08/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE. WAITING 4 HOURS TO START TOP JOB.

TOP JOB # 1: DOWN 200' OF 1' PIPE, MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. RETURNS AFTER 18 BBLS FELL BACK AFTER PUMPING. WAIT 3 HOURS 40 MINUTES.

TOP JOB # 2: MIXED & PUMPED 25 SX (5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. RETURNS TO SURFACE AND CEMENT STOOD AT SURFACE. RELEASED HALLIBURTON.

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

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @ 1300' =2.00 DEGREE & 2420' = 3.25 DEGREE.

KENT DEVENPORT NOTIFIED JAMIE SPARGER W/ BLM OF THE SURFACE CASING & CEMENT JOB ON 5/6//2009 @ 11:00 AM.

WOODIE BEARDSLEY NOTIFIED CAROL DANIELS WITH UDOGM ON 5/6/2009 OF CASING AND CEMENT JOB.

05-23-2009 Reported By KIT HATFIELD

DailyCosts: Drilling \$75,092 Completion \$0 Daily Total \$75,092  
 Cum Costs: Drilling \$379,192 Completion \$0 Well Total \$379,192

MD 3,486 TVD 3,486 Progress 1,064 Days 1 MW 8.9 Visc 32.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: DRILLING @ 3486'

Start	End	Hrs	Activity Description
06:00	11:00	5.0	MOVE ON RIG WITH HOWCROFT FROM NBU 654-7E. ABOUT 2 MILE MOVE. SET ON STACK AND LOCK DOWN. TEST TO 5000 PSI / OK. RIG UP.
11:00	14:00	3.0	RIG ON DAYWORK @ 11:00 HRS, 5/22/09. NIPPLE UP STACK & CONTINUE RIG UP.
14:00	17:00	3.0	TEST STACK. PIPE RAMS, BLIND RAMS, CHOKE, CHOKE LINE, KILL LINE, UPPER & LOWER KELLY VALVE, 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. ALL TESTS OK.
17:00	17:30	0.5	INSTALL WEAR BUSHING. TALLY, OD/ID BHA.
17:30	21:00	3.5	MAKE UP BIT & BHA. TRIP IN. TAG CEMENT @ 2365'. DRILL OUT COLLAR @ 2377' AND SHOE AT 2422'. DRILL 10' RATHOLE.
21:00	22:00	1.0	RUN FIT TEST TO EMW OF 11.1 PPG @ 2438'. SURVEY @ 2422' = 4.5°
22:00	00:30	2.5	DRILLING: 2422-2809' (387') AVG 156 FPH 15-18K WOB, ROTARY 60-70, MTR=93, PRESS= 1500 PSI, DIFF= 350-400 PSI. MW= 8.9 / 32 VIS.
00:30	01:00	0.5	SURVEY @ 2809' = 3.75°
01:00	06:00	5.0	DRILLING: 2809-3486' (677') AVG 135 FPH. PARAMETERS AS ABOVE. SAFETY MEETINGS: RIGGING UP. SLICK SURFACES. FULL CREWS / NO ACCIDENTS. FUEL = 3000 GAL. COM SET TO DRILL. SCREENS ON OUTER SHAKER = API 200, BHA = 68. HRS. JARS = WELL 2.
06:00			SPUD A 7 7/8" HOLE WITH ROTARY TOOL @ 22:00 HRS, 5/22/09.

05-24-2009 Reported By KIT HATFIELD

DailyCosts: Drilling \$36,141 Completion \$3,490 Daily Total \$39,631  
 Cum Costs: Drilling \$415,334 Completion \$3,490 Well Total \$418,824

MD 6,242 TVD 6,242 Progress 2,756 Days 2 MW 10.0 Visc 40.0

Formation : PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: SHORT TRIP / PREP TO TOH - LDDP.

Start	End	Hrs	Activity Description
06:00	12:00	6.0	DRILLING: 3486-4345' (859') AVG 143 FPH. 15-20K WOB, ROTARY 65-75, MTR=93, PRESS= 1600 PSI, DIFF= 400-500 PSI. MW= 9.2 / 32 VIS.
12:00	12:30	0.5	SURVEY @ 4345' = 4.0°
12:30	14:00	1.5	DRILLING: 4345-4572' (227') AVG 151 FPH PARAMETERS AS ABOVE
14:00	14:30	0.5	RIG SERVICE.
14:30	04:30	14.0	DRILLING: 4572-6242' (1670') AVG 119 FPH. TD REACHED @ 04:30 HRS, 05/24/09.

15-20K WOB, ROTARY 65-75, MTR=93, PRESS= 2100 PSI, DIFF= 400-500 PSI. MW= 10.0 / 40 VIS.

04:30 05:00 0.5 CIRCULATE.  
 05:00 06:00 1.0 SHORT TRIP 10 STANDS.

SAFETY MEETINGS: MIXING MUD, TRIPPING.  
 FULL CREWS.  
 NO ACCIDENTS.  
 CHK COM. FUEL = 1869 GAL.  
 BHA = 90 HRS JARS = WELL 2.

<b>05-25-2009</b>	<b>Reported By</b>	KIT HATFIELD									
<b>Daily Costs: Drilling</b>	\$47,272	<b>Completion</b>	\$121,850	<b>Daily Total</b>	\$169,122						
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$125,340	<b>Well Total</b>	\$587,946						
<b>MD</b>	6,242	<b>TVD</b>	6,242	<b>Progress</b>	0	<b>Days</b>	3	<b>MW</b>	10.2	<b>Visc</b>	35.0
<b>Formation :</b>	<b>PBTD : 0.0</b>			<b>Perf :</b>	<b>PKR Depth : 0.0</b>						

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

Start	End	Hrs	Activity Description
06:00	07:30	1.5	CIRCULATE OUT HI VIS SWEEP. SPOT 200 BBLS 12 PPG MUD ON BOTTOM.
07:30	11:30	4.0	TRIP OUT LAYING DOWN DRILL PIPE. HAD ONLY marginally TITE HOLE THIS TRIP AT 2900'.
11:30	12:00	0.5	PULL WEAR BUSHING.
12:00	12:30	0.5	HOLD JOB DISCUSSION / SAFETY MEETING. RIG UP FRANKS CASING CREW.
12:30	19:00	6.5	RUN 150 JTS 4 1/2" 11.6# N-80 LTC CASING TO TD. SHOE @ 6242', COLLAR @ 6198', MARKER JT @ 4100'. LAND CASING W/ 60K ON BOWL.
19:00	19:30	0.5	CIRCULATE / RIG DOWN FRANKS.
19:30	20:00	0.5	HOLD JOB DISCUSSION / SAFETY MEETING.  RIG UP HALLIBURTON.
20:00	22:00	2.0	CEMENT CASING: TEST LINES TO 4000 PSI. DROP 1ST PLUG. PUMP 20 BBLS MUD FLUSH @ 8.4 PPG. LEAD IN W/ 245 SX HIGHBOND 75 SYSTEM CEMENT MIXED AT 12 PPG, TAIL IN W/ 555 SX EXTENDACEM SYSTEM CEMENT MIXED AT 13.5 PPG. MIX AND PUMP AT 7 BPM. WASH UP TO PIT. DROP 2ND PLUG AND DISPLACE W/ 97 BBLS WATER AT 7 BPM. BUMP PLUG W/ 500 PSI OVER to 2200 PSI. FLOATS HELD. HAD FULL RETURNS DURING JOB. SAW GOOD LIFT THROUGH DURATION OF JOB. CEMENT IN PLACE @ 21:10 HRS 5/24/09.
			NOTE: LEAD JOB SHOULD HAVE BEEN 440 SX (144 BBLS). ONLY HAD ENOUGH CEMENT TO PUMP 80 BBLS (245 SX) . LOOKS LIKE BODY LOAD ONLY HAD 120 FT3 IN EACH POD. ESTIMATED CEMENT TOP FOR LEAD = 3100'.
22:00	23:00	1.0	WOC. RIG DOWN HALLIBURTON.
23:00	00:30	1.5	BACK OUT LANDING JOINT & LAY DOWN SAME. RUN IN AND SET PACKOFF (FMC UHA-ET W/ S SEALS) TEST TO 5000 PSI / OK.
00:30	06:00	5.5	NIPPLE DOWN STACK. CLEAN MUD PITS.

SAFETY MEETINGS: LDDP AND RUNNING CASING.  
 FULL CREWS.  
 NO ACCIDENTS.  
 SET COM FOR TRIPPING.

BHA: 90 HRS. JARS = WELL #2, FUEL = 1300 GAL.  
 ANTICIPATE MOVING 5/25 AT 07:00 HRS TO NBU 763-19E (4 MILE MOVE).

06:00 RIG RELEASED @ 06:00 HRS, 5/25/09.  
 CASING POINT COST: \$444,096

**05-29-2009**      **Reported By**                      SEARLE

<b>DailyCosts: Drilling</b>	\$0	<b>Completion</b>	\$36,300	<b>Daily Total</b>	\$36,300
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$161,640	<b>Well Total</b>	\$624,246

**MD**            6,242    **TVD**            6,242    **Progress**        0    **Days**            4    **MW**            0.0    **Visc**            0.0

**Formation :**                                      **PBTD :** 6198.0                                      **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 970'. EST CEMENT TOP @ 1600'. RD SCHLUMBERGER.

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

<b>DailyCosts: Drilling</b>	\$0	<b>Completion</b>	\$1,448	<b>Daily Total</b>	\$1,448
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$163,088	<b>Well Total</b>	\$625,694

**MD**            6,242    **TVD**            6,242    **Progress**        0    **Days**            5    **MW**            0.0    **Visc**            0.0

**Formation :**                                      **PBTD :** 6198.0                                      **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.

**06-26-2009**      **Reported By**                      MCCURDY

<b>DailyCosts: Drilling</b>	\$0	<b>Completion</b>	\$104,414	<b>Daily Total</b>	\$104,414
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$267,502	<b>Well Total</b>	\$730,108

**MD**            6,242    **TVD**            6,242    **Progress**        0    **Days**            6    **MW**            0.0    **Visc**            0.0

**Formation :** WASATCH                                      **PBTD :** 6198.0                                      **Perf :** 5230'-6153'                                      **PKR Depth :** 0.0

**Activity at Report Time:** MIRUSU CLEAN OUT SAND AND DRILL OUT FRAC PLUGS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU CUTTERS WIRELINE & PERFORATE Ba FROM 6017'-18', 6034'-35', 6069'-71', 6074'-75', 6100'-01', 6106'-08', 6132'-33', 6150'-53' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE, 8473 GAL 16# LINEAR W/ 11100 # 20/40 SAND @ 1-2 PPG, 20900 GAL 16# DELTA 140 W/ 69200# 20/40 SAND @ 3-4 PPG. MTP 5817 PSIG. MTR 52 BPM. ATP 3796 PSIG. ATR 46.4 BPM. ISIP 2234 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 5880'. PERFORATE Ca FROM 5766'-68', 5828'-29', (5829'-30' MISFIRED) 5832'-33', 5835'-36', 5840'-41', (5841'-42' MISFIRED) 5848'-50', 5854'-56' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE, 22293 GAL 16# DELTA 140 W/ 85000# 20/40 SAND @ 4 PPG. MTP 5161 PSIG. MTR 50.5 BPM. ATP 3718 PSIG. ATR 49.5 BPM. ISIP 1957 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 5620'. PERFORATE Ca FROM 5486'-87', 5489'-94', 5498'-99', 5521'-22', 5531'-32', 5579'-81', 5595'-96' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE, 17650 GAL 16# DELTA 140 W/ 65800# 20/40 SAND @ 4 PPG. MTP 4411 PSIG. MTR 50.6 BPM. ATP 3351 PSIG. ATR 49.2 BPM. ISIP 1871 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 5350'. PERFORATE Ca FROM 5230'-31', 5235'-36', 5242'-43', 5248'-50', 5258'-59', 5262'-63', 5309'-10', 5321'-22', 5325'-27', 5329'-30' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/ 42 GAL K-87 MICROBIOCIDE, 33638 GAL 16# DELTA 140 W/ 114260# 20/40 SAND @ 4 PPG. MTP 4529 PSIG. MTR 50.4 BPM. ATP 3434 PSIG. ATR 48.7 BPM. ISIP 2287 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 5141'. RDMO CUTTERS WIRELINE.

**07-07-2009**      **Reported By**      HISLOP

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$29,856	<b>Daily Total</b>	\$29,856
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$297,358	<b>Well Total</b>	\$759,964

**MD**      6,242      **TVD**      6,242      **Progress**      0      **Days**      7      **MW**      0.0      **Visc**      0.0

**Formation :** WASATCH      **PBTD :** 6198.0      **Perf :** 5230'-6153'      **PKR Depth :** 0.0

**Activity at Report Time:** FLOW TEST

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRUSU. ND FRAC TREE. NU BOP. RIH W/BIT & PUMP OFF SUB TO 5141'. CLEANED OUT & DRILLED OUT PLUGS @ 5141', 5350', 5620' & 5880'. CLEANED OUT TO PBTD @ 6198'. LANDED TUBING @ 5203' KB. ND BOP. NU TREE. PUMPED OFF BIT & SUB. RDMOSU.

FLOWED 13 HRS. 48/64" CHOKE. FTP 250 PSIG. CP 700 PSIG. 52 BFPH. RECOVERED 738 BLW. 2262 BLWTR.

FINAL COMPLETION: 07/07/09

TUBING DETAIL    LENGTH

PUMP OFF BIT SUB    .91'  
 1 JT 2-3/8" 4.7# J-55 TBG [YB]    32.75'  
 XN NIPPLE    1.30'  
 159 JTS 2-3/8" 4.7# J-55 TBG [YB]    5154.66'  
 BELOW KB    13.00'  
 LANDED @    5202.62' KB

**07-08-2009**      **Reported By**      HISLOP

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$8,135	<b>Daily Total</b>	\$8,135
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$305,493	<b>Well Total</b>	\$768,099

**MD**      6,242      **TVD**      6,242      **Progress**      0      **Days**      8      **MW**      0.0      **Visc**      0.0

**Formation :** WASATCH      **PBTD :** 6198.0      **Perf :** 5230'-6153'      **PKR Depth :** 0.0

**Activity at Report Time:** FLOW TESTING

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 24 HRS. 48/64" CHOKE. FTP 275 PSIG. CP 900 PSIG. 26 BFPH. RECOVERED 721 BLW. 1531 BLWTR.

**07-09-2009**      **Reported By**      HISLOP

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$2,200	<b>Daily Total</b>	\$2,200
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$307,693	<b>Well Total</b>	\$770,299

**MD**      6,242      **TVD**      6,242      **Progress**      0      **Days**      9      **MW**      0.0      **Visc**      0.0

**Formation :** WASATCH      **PBTD :** 6198.0      **Perf :** 5230'-6153'      **PKR Depth :** 0.0

**Activity at Report Time:** WO FACILITIES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 24 HRS. 48/64" CHOKE. FTP 250 PSIG. CP 850 PSIG. 17 BFPH. RECOVERED 429 BLW. 1112 BLWTR. SI. WO FACILITIES.

FINAL COMPLETION DATE: 7/8/09

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<b>07-10-2009</b>	<b>Reported By</b>	DUANE COOK									
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$2,200	<b>Daily Total</b>	\$2,200						
<b>Cum Costs: Drilling</b>	\$462,606	<b>Completion</b>	\$309,893	<b>Well Total</b>	\$772,499						
<b>MD</b>	6,242	<b>TVD</b>	6,242	<b>Progress</b>	0	<b>Days</b>	10	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : WASATCH</b>		<b>PBTD : 6198.0</b>		<b>Perf : 5230'-6153'</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time:** INITIAL PRODUCTION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	INITIAL PRODUCTION. OPENING PRESSURE: TP 1000 PSIG & CP 1125 PSIG. TURNED WELL OVER TO KERR-MAGEE SALES AT 11:00 AM, 7/09/09. FLOWED 1030 MCFD RATE ON 14/64" POS CHOKE. STATIC 435. KERR-MAGEE METER #985842.

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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 \_\_\_\_\_

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

3. Address **600 17TH STREET SUITE 1000N DENVER, CO 80202** 3a. Phone No. (include area code) **Ph: 303-824-5526**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **Lot 4 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon**  
 At top prod interval reported below **Lot 4 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon**  
 At total depth **Lot 4 660FSL 855FWL 39.95715 N Lat, 109.60140 W Lon**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

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

8. Lease Name and Well No.  
**NATURAL BUTTES UNIT 428-07E**

9. API Well No. **43-047-40049**

10. Field and Pool, or Exploratory  
**NATURAL BUTTES**

11. Sec., T., R., M., or Block and Survey or Area **Sec 7 T10S R21E Mer SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **04/14/2009** 15. Date T.D. Reached **05/24/2009** 16. Date Completed **07/09/2009**  
 D & A  Ready to Prod.

17. Elevations (DF, KB, RT, GL)\*  
**5056 GL**

18. Total Depth: **MD 6242 TVD** 19. Plug Back T.D.: **MD 6198 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**RST/CBL/CCL/VDL/GR temp**

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	0	2422		675		0	
7.875	4.500 N-80	11.6	0	6242		800		1600	

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	5203							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5230	6153	6017 TO 6153		3	
B) WSMVD			5766 TO 5856		3	
C)			5486 TO 5596		3	
D)			5230 TO 5330		3	

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

Depth Interval	Amount and Type of Material
6017 TO 6153	29,415 GALS GELLED WATER & 80,300# 20/40 SAND
5766 TO 5856	22,335 GALS GELLED WATER & 85,000# 20/40 SAND
5486 TO 5596	17,692 GALS GELLED WATER & 65,800# 20/40 SAND
5230 TO 5330	33,680 GALS GELLED WATER & 114,260# 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
07/09/2009	07/13/2009	24	→	0.0	588.0	97.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
14/64"	950 SI	1250.0	→	0	588	97		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.	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 #72910 VERIFIED BY THE BLM WELL INFORMATION SYSTEM**  
**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**RECEIVED**  
**AUG 10 2009**  
**DIV. OF OIL, GAS & MINING**

28b. Production - Interval C

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

28c. Production - Interval D

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

29. Disposition of Gas (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	5230	6153		GREEN RIVER	1069
				BIRDS NEST	1459
				MAHOGANY	2001
				UTELAND BUTTE	4458
				WASATCH	4575
				CHAPITA WELLS	5180
BUCK CANYON	5882				

32. Additional remarks (include plugging procedure):  
 Please see the attached page for detailed perforation information.

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 #72910 Verified by the BLM Well Information System.  
 For EOG RESOURCES, INC., sent to the Vernal**

Name (please print) MARY A. MAESTAS Title REGULATORY ASSISTANT

Signature (Electronic Submission) Date 08/06/2009

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

***Natural Buttes Unit 428-07E*** - ADDITIONAL REMARKS (CONTINUED):

Perforated the Ba from 6017-18', 6034-35', 6069-71', 6074-75', 6100-01', 6106-08', 6132-33', 6150-53' w/ 3 spf.

Perforated the Ca from 5766-68', 5828-29', 5832-33', 5835-36', 5840-41', 5848-50', 5854-56' w/ 3 spf.

Perforated the Ca from 5486-87', 5489-94', 5498-99', 5521-22', 5531-32', 5579-81', 5595-96' w/ 3 spf.

Perforated the Ca from 5230-31', 5235-36', 5242-43', 5248-50', 5258-59', 5262-63', 5309-10', 5321-22', 5325-27', 5329-30' 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

<b>ROUTING</b>
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): N9550-EOG Resources 1060 E Hwy 40 Vernal, UT 84078 Phone: 1-(435) 781-9111	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore., LP 1368 South 1200 East Vernal, UT 84078 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. 1004-0135  
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 428-07E

9. API Well No.  
43-047-40049

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 GATES  
E-Mail: MICKENZIE\_GATES@EOGRESOURCES.COM

3a. Address  
1060 EAST HIGHWAY 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 7 T10S R21E SWSW 660FSL 855FWL  
39.95715 N Lat, 109.60140 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
	<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 reserve pit on the referenced location was closed on 9/8/2009 as per the APD procedure.

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

**Electronic Submission #75279 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal**

Name (Printed/Typed) MICKENZIE GATES	Title OPERATIONS CLERK
Signature <i>Mickenzie Gates</i>	Date 10/06/2009

**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**  
**OCT 12 2009**

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 recomplate 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 recomplate 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

RECEIVED

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU02270A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 428-07E	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047400490000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0855 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 07 Township: 10.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> 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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/18/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 08/18/2011.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/30/2011	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02270A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 428-07E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047400490000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6454
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0855 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 07 Township: 10.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES  COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/15/2016  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 428-07E well. Please see the attached procedure for details. Thank you.

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

Date: ~~November 16, 2016~~  
 By: *Derek Duff*

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 11/15/2016	

NBU 428-7E  
 660' FSL & 855' FWL  
 SWSW SEC. 7, T10S, R21E  
 UINTAH UT

KBE: 5069' API NUMBER: 4304740049  
 GLE: 5056' LEASE NUMBER: UTU02270A  
 TD: 6242' LAT/LONG: 39.957145/-109.60141  
 PBTD: 6198'

CASING : 12.25" hole  
 SURFACE 9.625" 36# J-55 @ 2408'

PRODUCTION 7.875" hole  
 4.5" 11.6# N-80 @ 6229'  
 Est. TOC @ 1600' CBL

PERFORATIONS: WASATCH TOP-BOTTOM 5230'-6153'

TUBING: 2.375" 5.7# J-55 TBG at 5190'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# N-80 csg	4	3.875	6350	7780	0.65282	0.08727	0.01554
9.625" 36# J-55 csg	8.921	8.765	2020	3520	3.24699	0.43406	0.07731

Annular Capacities	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 9.625" csg	2.42077	0.32361	0.05764
4.5" csg X 7.875 borehole	1.70406	0.2278	0.04057

**GEOLOGIC INFORMATION:**

Formation Depth to top, ft.  
 Top Green River 1254'  
 Base Parachute 2874'  
 Top Wasatch 4577'

<http://digitallibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~1669' MSL  
 BMSW Depth ~3400'

## **NBU 428-7E PLUG & ABANDONMENT PROCEDURE**

### **GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

### PERTINENT WELL HISTORY:

### PROCEDURE

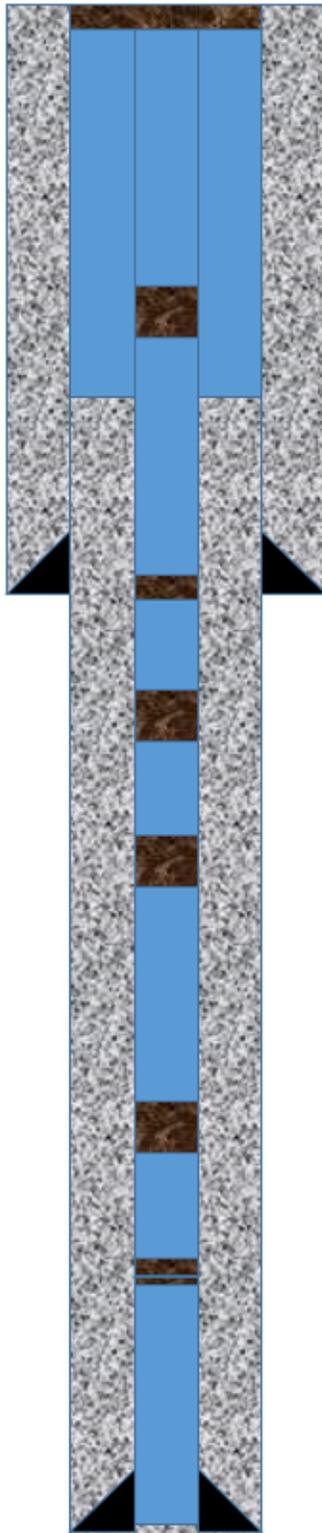
**Note:** Approx. **117 SXS** Class "G" cement needed for procedure & **(1) 4.5" CIBP**

**Note: NO GYRO ON RECORD.** (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE PERFORATIONS (6153'-5230'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~5180', (50' above top perf at 5230'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 5180' to 5075'(8 SXS, 9.16 FT3, 1.64 BBLS).
4. PROTECT WASATCH TOP (4577'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 4577' to 4367' (16 SXS, 18.32 FT3, 3.27 BBLS).
5. PROTECT BMSW (3400'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 3505' to 3295' (16 SXS, 18.32 FT3, 3.27 BBLS).
6. PROTECT PARACHUTE BASE (2874'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 2979' to -2769' (16 SXS, 18.32 FT3, 3.27 BBLS).
7. PROTECT CASING SHOE (2408'): PUH WITH TUBING AND PUMP A MINIMUM OF (105FT) CMT F/ 2460.5' to 2355.5' (8 SXS, 9.16 FT3, 1.64 BBLS).
8. PROTECT GREEN RIVER (1254'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1359' to 1149' (16 SXS, 18.32 FT3, 3.27 BBLS).
9. PROTECT SURFACE (101'): PUH WITH TUBING AND PUMP A MINIMUM OF (105 FT) CMT F/ 105'-0' (8 SXS, 9.16 FT3, 1.64 BBLS). POOH AND RUN 1 INCH TUBING DOWN THE PRODUCTION/SURFACE CASING ANNULUS TO AS DEEP AS POSSIBLE AND CEMENT TO SURFACE (29 SXS, 33.21 FT3, 5.92 BBLS).
10. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
11. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

# NBU 428-7E

Total SXS: 117, Total CIBP: 1



<- Plug for Surface from 0' to 105' with 37SXS,105ft.

<- Plug for GreenRiver at 1254' from 1359' to 1149' with 16SXS,210ft.

<- TOC at 1600'

<- Plug for Surface Shoe at 2408' from 2460.5' to 2355.5' with 8SXS,105ft.

<- Plug for Parachute Base at 2874' from 2979' to 2769' with 16SXS, 210ft.

<- Plug for BMSW at 3400' from 3505' to 3295' with 16SXS,210ft.

<- Plug for Wasatch at 4577' from 4577' to 4367' with 16SXS,210ft.

<- Plug above CIBP at 5180' from 5180' to 5075' with 8SXS,105ft.

<-CIBP Above Perfs at 5180'

<-Top Perf at 5230'

<-PBTD at 6198'

<- Production Casing Shoe at 6229'

<-TD at 6242'

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02270A
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 428-07E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0855 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 07 Township: 10.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047400490000
10. PHONE NUMBER: 720 929-6456	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/6/2017	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 428-07E well. Please see the operations summary report for details.  
 Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 January 20, 2017**

<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/9/2017	

**US ROCKIES REGION**  
**Operation Summary Report**

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 428-7E					Spud date: 4/14/2009			
Project: UTAH-UINTAH			Site: NBU 428-7E			Rig name no.: MILES-GRAY 1/1		
Event: ABANDONMENT			Start date: 1/4/2017		End date: 1/6/2017			
Active datum: RKB @5,069.00usft (above Mean Sea Level)				UWI: NBU 428-7E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
1/4/2017	15:00 - 17:30	2.50	ABANDP	30	A	P		MIRU SDFN
1/5/2017	7:00 - 7:30	0.50	ABANDP	48	B	P		HSM, WORKING IN COLD WINDY CONDITIONS
	7:30 - 9:00	1.50	ABANDP	30	F	P		FCP 200, SITP 350, BLEW WELL DWN TO TNK, CONTROL TBG & CSG W/ 15 BBLs T-MAC DWN EACH, ND WH UNLAND TBG NOT STUCK, NU BOPS RU FLOOR.
	9:00 - 13:00	4.00	ABANDP	45	A	P		RU & SCAN OUT W/ 160 JTS 23/8 J-55, 34 RED, 126 YELLOW. LIGHT EXT SCALE JTS 3 - 101, 129 - 156. MEDIUM EXTERNAL SCALE JTS 157 - 160. NO HOLES FOUND. RD SCAN TECH.
	13:00 - 16:00	3.00	ABANDP	31	I	P		PU 41/2 CIBP & 164 JTS 23/8 J-55 SET CIBP @ 5190' L/D JT 164 EOT @ 5179'. SWI SDFN.
1/6/2017	7:00 - 7:30	0.50	ABANDP	48	B	P		HSM, WORKING IN COLD WEATHER
	7:30 - 9:30	2.00	ABANDP	52	E	P		SICP 0, -14 DEGS GOT EQUIP STARTED, CIRC WELL W/ 80 BBLs T-MAC, TEST CSG TO 500 PSI OK.
	9:30 - 16:00	6.50	ABANDP	51	D	P		EOT @ 5179', PUMPED 2.6 BBLs FRESH, 2 BBLs 10 SXS 15.8# 1.15 YEILD G CMT, 1 BBL FRESH, DISPL W/ 18.4 BBLs T-MAC. L/D 19 JTS EOT @ 4582' PUMPED 2.6 BBLs FRESH 3.27 BBLs 16 SXS 15.8# 1.15 YEILD G CMT, 1 BBL FRESH, DISPL W/ 15.8 BBLs T-MAC. L/D 34 JTS EOT @ 3502' PUMPED 2.6 BBLs F, 3.27 BBLs 16 SXS CMT, 1 BBL F, DISPL W/ 11.6 BBLs T-MAC. L/D 16 JTS EOT @ 2999' PUMPED 2.6 BBLs F, 3.68 BBLs 18 SXS 15.8# 1.15 YEILD G CMT, 1 BBL F, DISPL W/ 9.5 BBLs T-MAC. L/D 17 JTS EOT @ 2461' PUMPED 2.6 BBLs F, 2 BBLs 10 SXS 15.8# 1.15 YEILD G CMT. 1 BBL F, DISPL W/ 8 BBLs T-MAC. L/D 34 JTS EOT @ 1381' PUMPED 2.6 BBLs F, 3.27 BBLs 16 SXS 15.8# 1.15 YEILD G CMT, 1 F, DISPL W/ 3.4 BBLs T-MAC. L/D REM 43 JTS ND BOPS RIG DOWN, DIG & CUT OFF WH, TOP OFF 41/2 & 95/8 BLM REP, MITCH WILHELM