

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

FORM 3

AMENDED REPORT   
(highlight changes)

**APPLICATION FOR PERMIT TO DRILL**

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: ML 3142	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: EOG RESOURCES, INC.		8. UNIT or CA AGREEMENT NAME: NBU	
3. ADDRESS OF OPERATOR: P.O. BOX 1815 CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 789-0790	9. WELL NAME and NUMBER: NATURAL COTTON 60-32
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 875 FNL 667 FWL 39.997336 LAT 109.582514 LON S.L.B.&M AT PROPOSED PRODUCING ZONE: SAME 4428214Y -109.581753		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 43.25 MILES SOUTH OF VERNAL, UTAH		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 32 9S 21E S	12. COUNTY: UINTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 667	16. NUMBER OF ACRES IN LEASE: 280	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 5,100	20. BOND DESCRIPTION: NM 2308	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4943 GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: 30 DAYS	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4	9-5/8 J-55 36#	500	SEE ATTACHED EIGHT POINT PLAN
7-7/8	4-1/2 J-55 11.6#	5,100	SEE ATTACHED EIGHT POINT PLAN

**ATTACHMENTS**

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

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

NAME (PLEASE PRINT) Kaylene R. Gardner TITLE Regulatory Assistant  
SIGNATURE *Kaylene R. Gardner* DATE 6/22/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38331

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

APPROVAL:

Date: 12-14-06  
By: *[Signature]*

**RECEIVED  
JUN 23 2006**

DIV. OF OIL, GAS & MINING

# T9S, R21E, S.L.B.&M.

## EOG RESOURCES, INC.

Well location, NATURAL COTTON #60-32, located as shown in the NW 1/4 NW 1/4 Section 32, T9S, R21E, S.L.B.&M. Uintah County, Utah.

5/8" Rebar,  
Pile of Stones

S89°58'42"E - 2641.77' (Meas.)

WEST - 2640.00' (G.L.O.)

U.E.L.S. Alum.  
Cap, Pile of  
Stones, Post

NATURAL COTTON #60-32  
Elev. Ungraded Ground = 4943'

N00°05'W - 2640.00' (G.L.O.)

N00°45'56"W - 5577.99' (Meas.)

32

Set Marked Stone  
Pile of Stones

N01°52'39"W - 2866.51' (Meas.)

Lot 4

Lot 3

Lot 2

Lot 1

1977 Brass Cap  
1.2' High, Pile  
of Stones

1977 Brass Cap

1977 Brass Cap  
0.5' High, Pile of  
Stones, Steel Post

T9S  
T10S

S89°07'34"W - 2561.52' (Meas.)

S89°10'33"W - 2731.23' (Meas.)

### LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

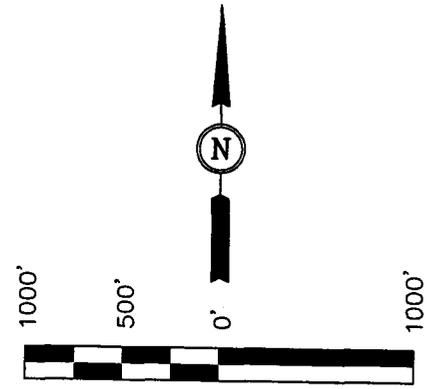
(NAD 83)  
 LATITUDE = 39°59'50.41" (39.997336)  
 LONGITUDE = 109°34'57.05" (109.582514)  
 (NAD 27)  
 LATITUDE = 39°59'50.54" (39.997372)  
 LONGITUDE = 109°34'54.57" (109.581825)

### 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.



SCALE  
CERTIFICATE

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



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

SCALE 1" = 1000'	DATE SURVEYED: 6-2-06	DATE DRAWN: 6-6-06
PARTY G.S. B.J. K.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE EOG RESOURCES, INC.	

**EIGHT POINT PLAN**

**NATURAL COTTON 60-32**  
**NW/NW, SEC. 32, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

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

<b>FORMATION</b>	<b>DEPTH (KB)</b>
Uinta FM	18'
Green River FM	1,643'
Mahogany Oil Shale Bed	2,336'
Garden Gulch	2,967'
Middle Carb Bed	3,142'
Douglas Creek MBR	3,833'
Castle Peak MBR	4,506'
Uteland Butte MBR	4,837'

**EST. TD: 5,100' or 200' ± below Uteland Butte Top      Anticipated BHP: 2,520 Psig**

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

**3. PRESSURE CONTROL EQUIPMENT:** Production Hole - 5,000 Psig  
BOP Schematic Diagram attached.

**4. CASING PROGRAM:**

	<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>RATING FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
Surface	12-1/4"	0' - 500'KB±	9-5/8"	36.0#	J-55	STC	2020 Psi	3520 Psi	394,000#
Production:	7-7/8"	500'± - TD	4-1/2"	11.6#	J-55	LTC	4960 Psi	5350 Psi	162,000#

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

**5. Float Equipment:**

**Surface Hole Procedure (0 - 500' ± Below GL):**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1 - 5-10' above shoe, every collar for next 3 joints (4 total).

**Production Hole Procedure (500' ± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, J-55 or equivalent marker collars or short casing joints to be placed 400' above top of Garden Gulch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Garden Gulch top. (15± total). Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

**EIGHT POINT PLAN**

**NATURAL COTTON 60-32**  
**NW/NW, SEC. 32, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**6. MUD PROGRAM:**

**Surface Hole Procedure (0 - 500' ± below GL):**

Air/air mist or aerated water

**Production Hole Procedure (500' ± - TD):**

Anticipated mud weight 9.0 – 9.5 ppg depending on actual wellbore condition encountered while drilling.

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

**7. VARIANCE REQUESTS:**

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

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

**8. EVALUATION PROGRAM:**

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

**Open-hole Logs:** BHC (Schlumberger Borehole Compensated Sonic)  
Schlumberger Platform Express consisting: of Open-hole gamma ray, resistivity, bulk density, and neutron porosity

**EIGHT POINT PLAN**

**NATURAL COTTON 60-32**  
**NW/NW, SEC. 32, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

9. **CEMENT PROGRAM:**

**Surface Hole Procedure (0-500' ± Below GL)**

**Lead:** 275 sks. (100% excess volume) Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.16 ft<sup>3</sup>/sk., 4.95 gps water.

**Top Out:** Top out with Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) in mix water, 15.8 ppg, 1.16 ft<sup>3</sup>/sk., 4.95 gps via 1" tubing set at 25' if needed.

Install 6' x 4' cellar ring, drill rat and mouse holes with spud rig.

**Note:** **Cement volumes will be calculated to bring cement to surface.**

**Production Hole Procedure (500' ± to TD)**

**Lead:** 188 sks: 35:65 Poz "G" w/4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65 (Dispersant), 0.2% D46 (Antifoam), 0.75% D112 (Fluid Loss Additive), 0.200% D13 (Retarder), 0.25 pps D29 (cello flakes) mixed at 13.0 ppg, 1.75 ft<sup>3</sup>/sk., 9.19 gps water.

**Tail:** 450 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 Garden Gulch.  
**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

10. **ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 500'±):**

Lost circulation

**Production Hole (500'± - TD):**

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

**EIGHT POINT PLAN**

**NATURAL COTTON 60-32**  
**NW/NW, SEC. 32, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**11. STANDARD REQUIRED EQUIPMENT:**

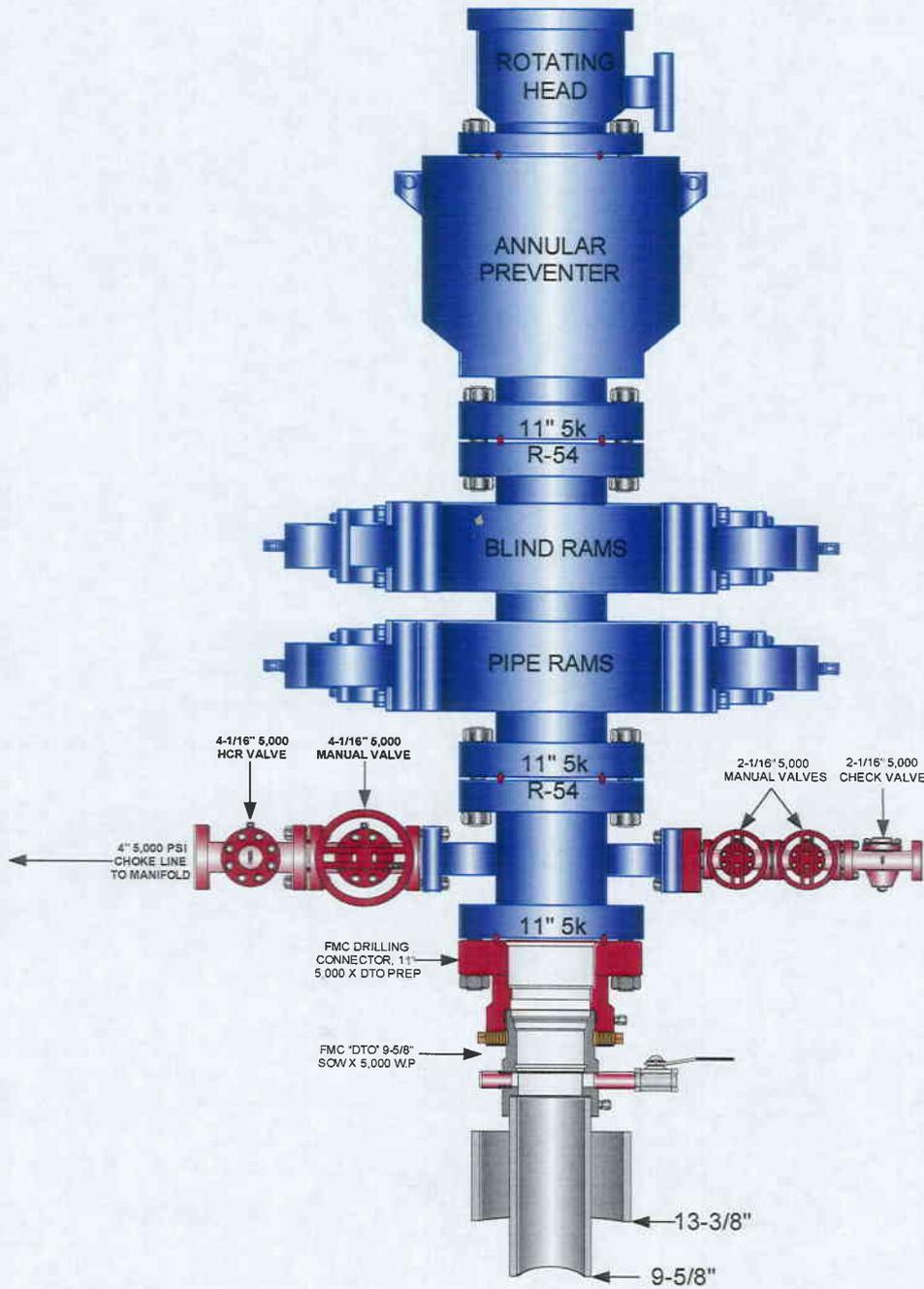
- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**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.

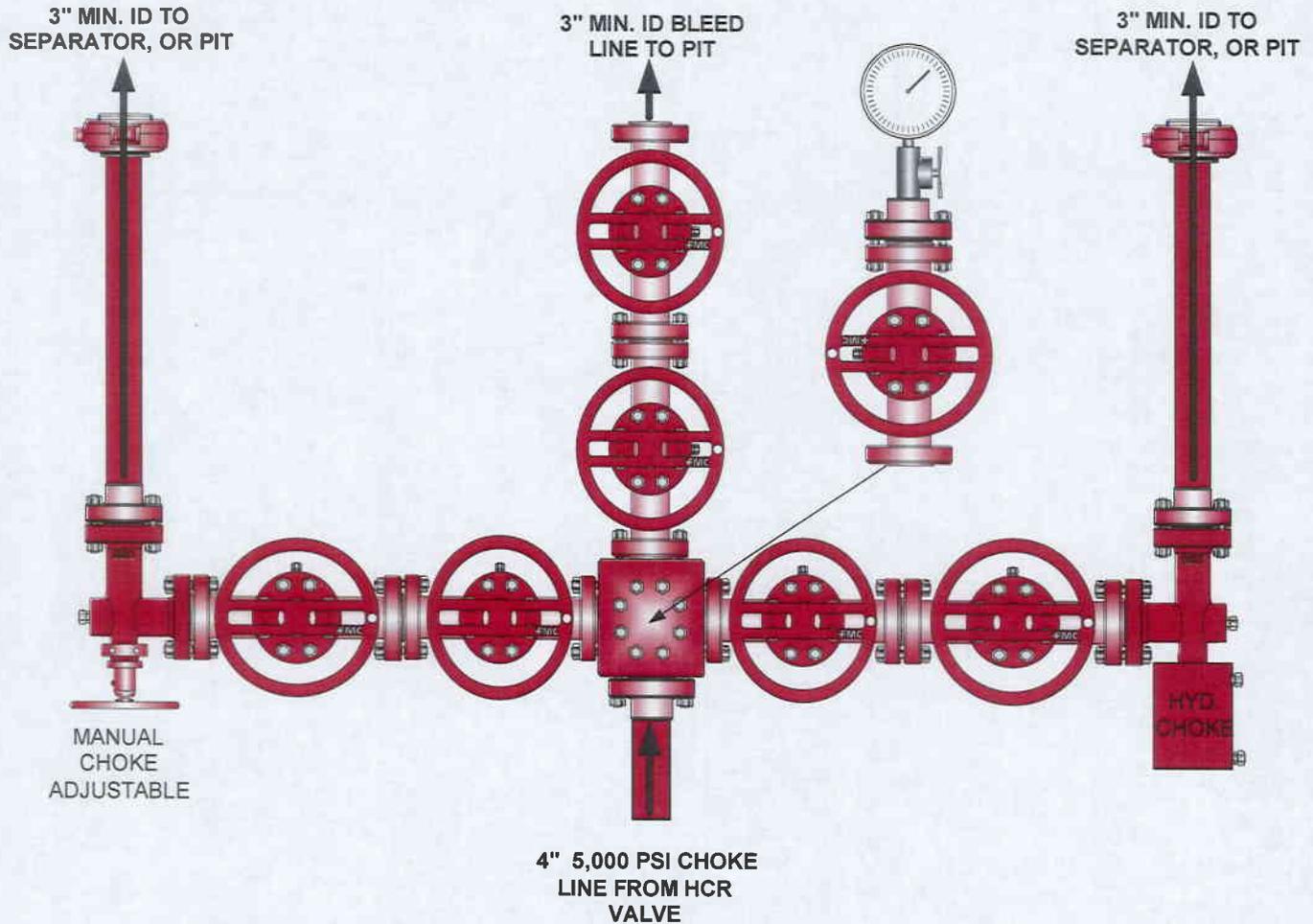
(Attachment: BOP Schematic Diagram)

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



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

PAGE 2 OF



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 COTTON 60-32  
NW/NW, Section 32, T9S, R21E  
Uintah County, Utah**

**SURFACE USE PLAN**

**NOTIFICATION REQUIREMENTS**

- Location Construction: Forty-eight (48) hours prior to construction of location and access roads.
- Location Completion: Prior to moving on the drilling rig.
- Spud Notice: At least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing: Twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and related Equipment Tests: Twenty-four (24) hours prior to running casing and tests.
- First Production Notice: Within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.**

The well pad is approximately 325 feet long with a 246-foot width, containing 1.84 acres more or less. The well access road is approximately 1056 feet long with a 30-foot right-of-way, disturbing approximately 0.73 acre. New surface disturbance associated with access road and the well pad is estimated to be approximately 2.56 acres. The pipeline is approximately 796 feet long with a 40-foot right-of-way, disturbing approximately 0.73 acres.

**1. EXISTING ROADS:**

- A. See attached Wellsite 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 43.25 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 1056' in length.
- B. The access road has a 30 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.

New or reconstructed roads will be centerlined – flagged at time of location staking.

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 or debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off 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 30 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, Third 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.

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

- A. Abandoned Wells – 7\*
- B. Producing Wells – 15\*
- C. Shut-in Wells – 1\*
- D. Temporarily Abandoned – 2\*

(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 location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. The length of the new proposed pipeline is 796' x 40', tying into an existing pipeline in the NENW of Section 32, T9S, R21E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lok, electric weld with a 35 mil X-Tru coating.
3. Proposed pipeline will be a 4" OD steel, welded line laid on the surface
4. Protective measures and devices for livestock and wildlife will be taken and /or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

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 existing facilities will be painted with Carlsbad Canyon.** 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 from Ouray Municipal Water Plant at Ouray, Utah, and/ or Target Trucking Inc.'s water source in the SW/SW. Sec 35, T9S, R22E Uintah County, Utah (State Water Right # 49-1501. 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 location and access road 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 three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, 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 or by 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 12 millimeter plastic liner.

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.

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

The stockpiled pit topsoil will be stored separate from the location topsoil South of Corner #5. The stockpiled location topsoil will be stored between Corners #8 and #2. 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 East.

**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. 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 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. 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.

**11. SURFACE OWNERSHIP:**

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

State of Utah

**12. OTHER INFORMATION:**

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
- Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

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

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. 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.
- D. 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.)

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

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

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

A cultural resources and paleontology survey will be conducted and submitted by Montgomery Archaeological Consultants.

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

**PERMITTING AGENT**

Kaylene R. Gardner  
EOG Resources, Inc.  
P.O. Box 1815  
Vernal, Ut 84078  
(435) 781-9111

**DRILLING OPERATIONS**

Donald Presenkowski  
EOG Resources, Inc.  
P.O. Box 250  
Big Piney, WY 83113  
307-276-4865

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 Cotton 60-32 Well, located in the NWNW, of Section 32, T12S, 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.

June 21, 2006

Date

  
\_\_\_\_\_  
Kaylene R. Gardner Regulatory Assistant

**EOG RESOURCES, INC.**  
**NATURAL COTTON #60-32**  
 LOCATED IN UTAH COUNTY, UTAH  
 SECTION 32, T9S, R21E, S.L.B.&M.

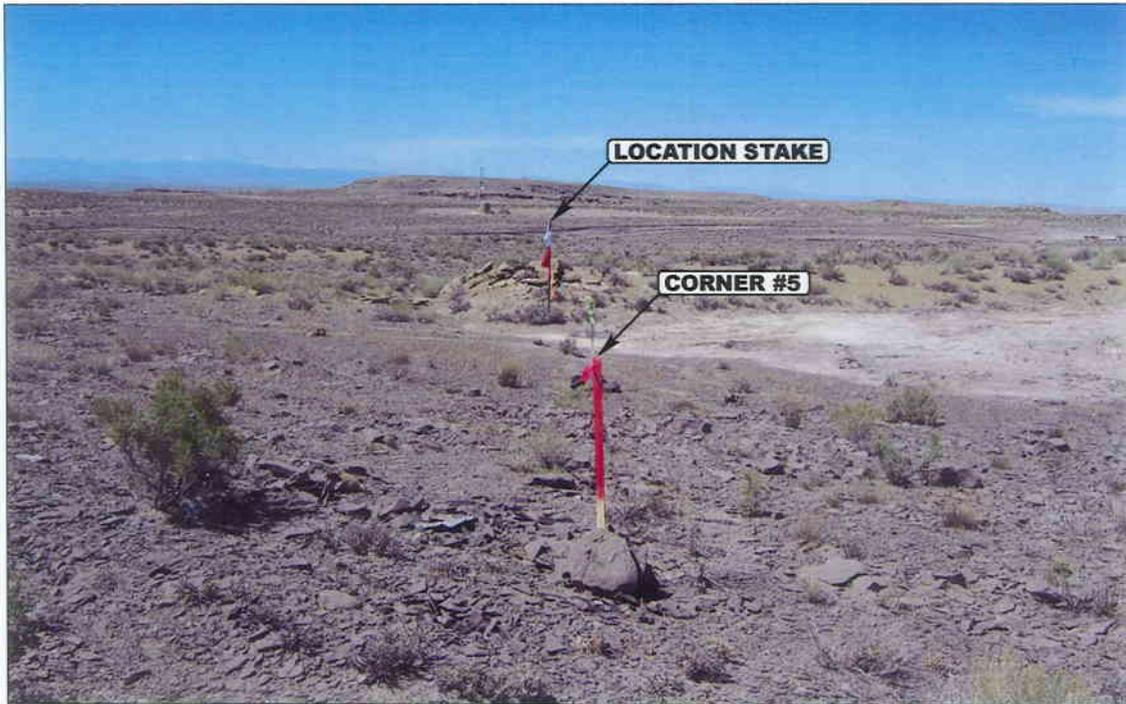


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



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

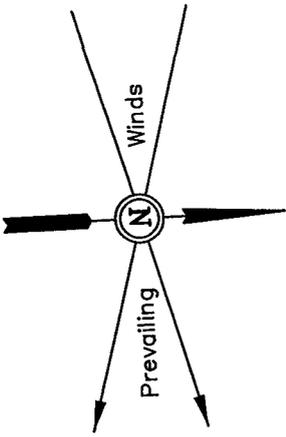
- Since 1964 -

LOCATION PHOTOS			06	09	06	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: B.J.	DRAWN BY: B.C.	REVISED: 00-00-00				

EOG RESOURCES, INC.

FIGURE #1

LOCATION LAYOUT FOR  
 NATURAL COTTON #60-32  
 SECTION 32, T9S, R21E, S.L.B.&M.  
 875' FNL 667' FWL



SCALE: 1" = 50'  
 DATE: 6-6-06  
 Drawn By: K.G.

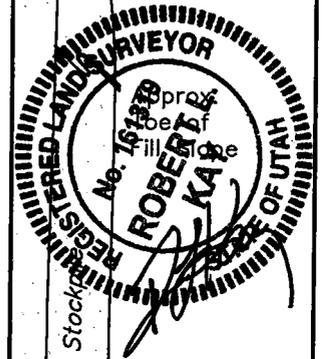
Approx. Top of Cut Slope

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

F-8.1'  
 El. 33.0'

Sta. 3+25

Round Corners as Needed



PIPE RACKS

CATWALK

C-2.4'  
 El. 43.5'

Sta. 1+50

El. 46.7'  
 C-17.6'  
 (btm. pit)

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

RESERVE PITS (12' Deep)

SLOPE = 1-1/2 : 1

DOG HOUSE

RIG

C-3.1'  
 El. 44.2'

MUD TANKS

MUD SHED

HOPPER

POWER

TOOLS

FUEL

TRASH

150'

20' WIDE BENCH

C-1.4'  
 El. 42.5'

Proposed Access Road

Total Pit Capacity W/2' Of Freeboard = 6,640 Bbls. ±  
 Total Pit Volume = 1,880 Cu. Yds.

El. 43.7'  
 C-14.6'  
 (btm. pit)

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4943.5'

FINISHED GRADE ELEV. AT LOC. STAKE = 4941.1'

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

Sta. 0+00

F-6.1'  
 El. 35.0'

Topsail Stockpile

STORAGE TANK

TRAILER

TOILET

WATER

PUMP

DOG HOUSE

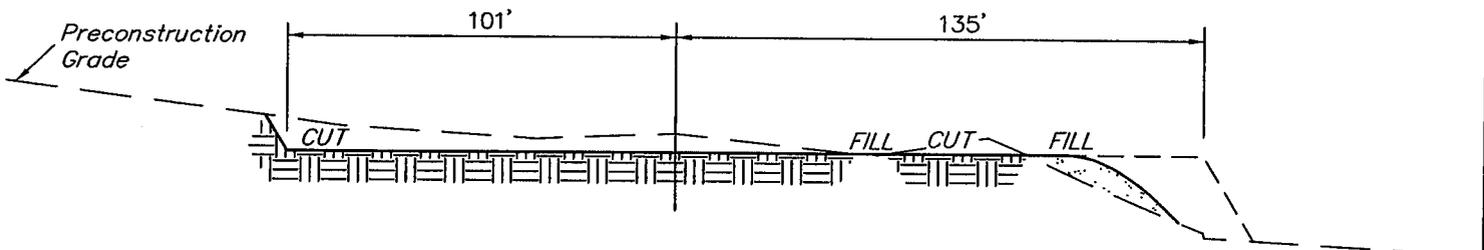
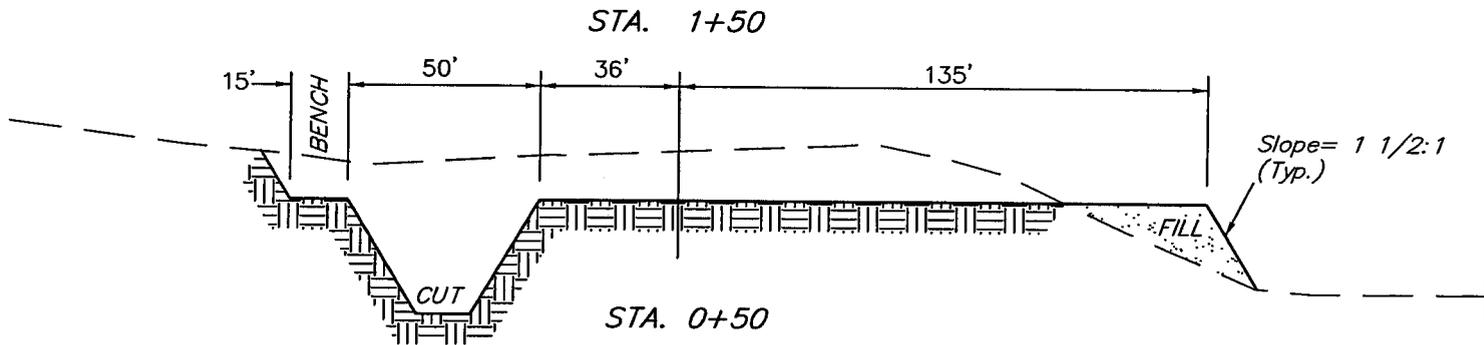
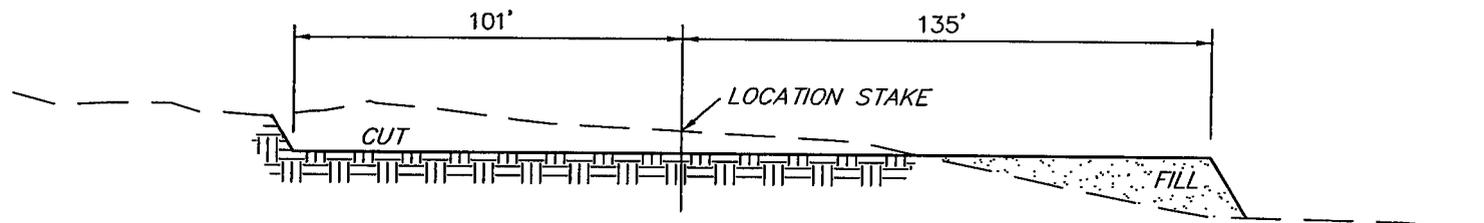
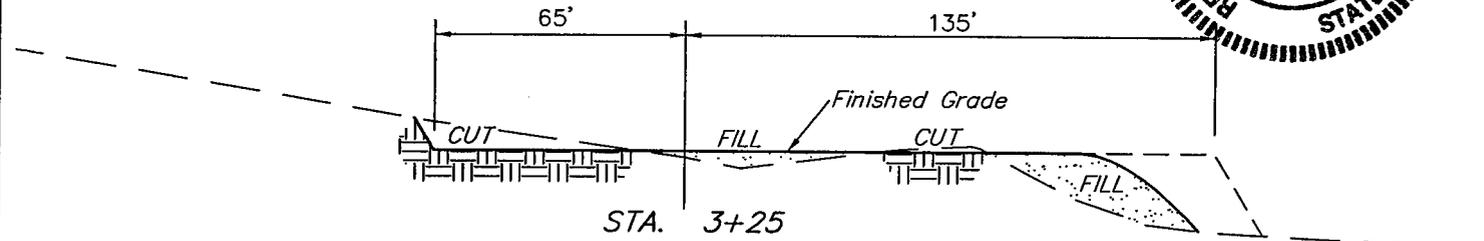
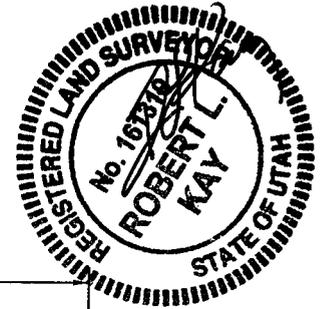
EOG RESOURCES, INC.

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
 NATURAL COTTON #60-32  
 SECTION 32, T9S, R21E, S.L.B.&M.  
 875' FNL 667' FWL

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

DATE: 6-6-06  
 Drawn By: K.G.



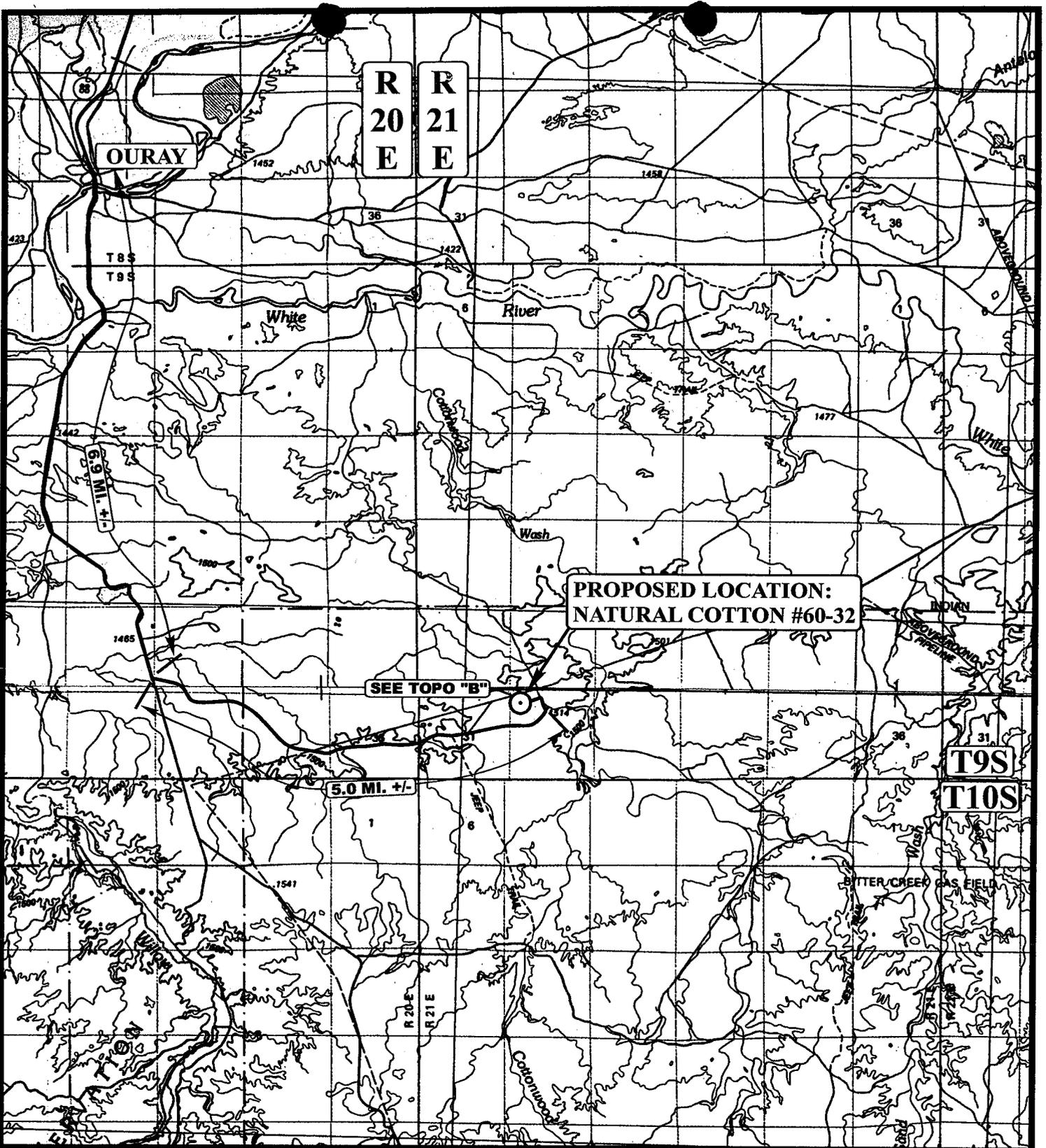
STA. 0+00

\* NOTE:  
 FILL QUANTITY INCLUDES  
 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,500 Cu. Yds.
Remaining Location	= 6,260 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,760 CU.YDS.</b>
<b>FILL</b>	<b>= 5,320 CU.YDS.</b>

EXCESS MATERIAL	= 2,440 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.



**PROPOSED LOCATION:  
NATURAL COTTON #60-32**

**SEE TOPO "B"**

**5.0 MI. +/-**

**6.9 MI. +/-**

**LEGEND:**

⊙ PROPOSED LOCATION



**EOG RESOURCES, INC.**

**NATURAL COTTON #60-32  
SECTION 32, T9S, R21E, S.L.B.&M.  
875' FNL 667' FWL**



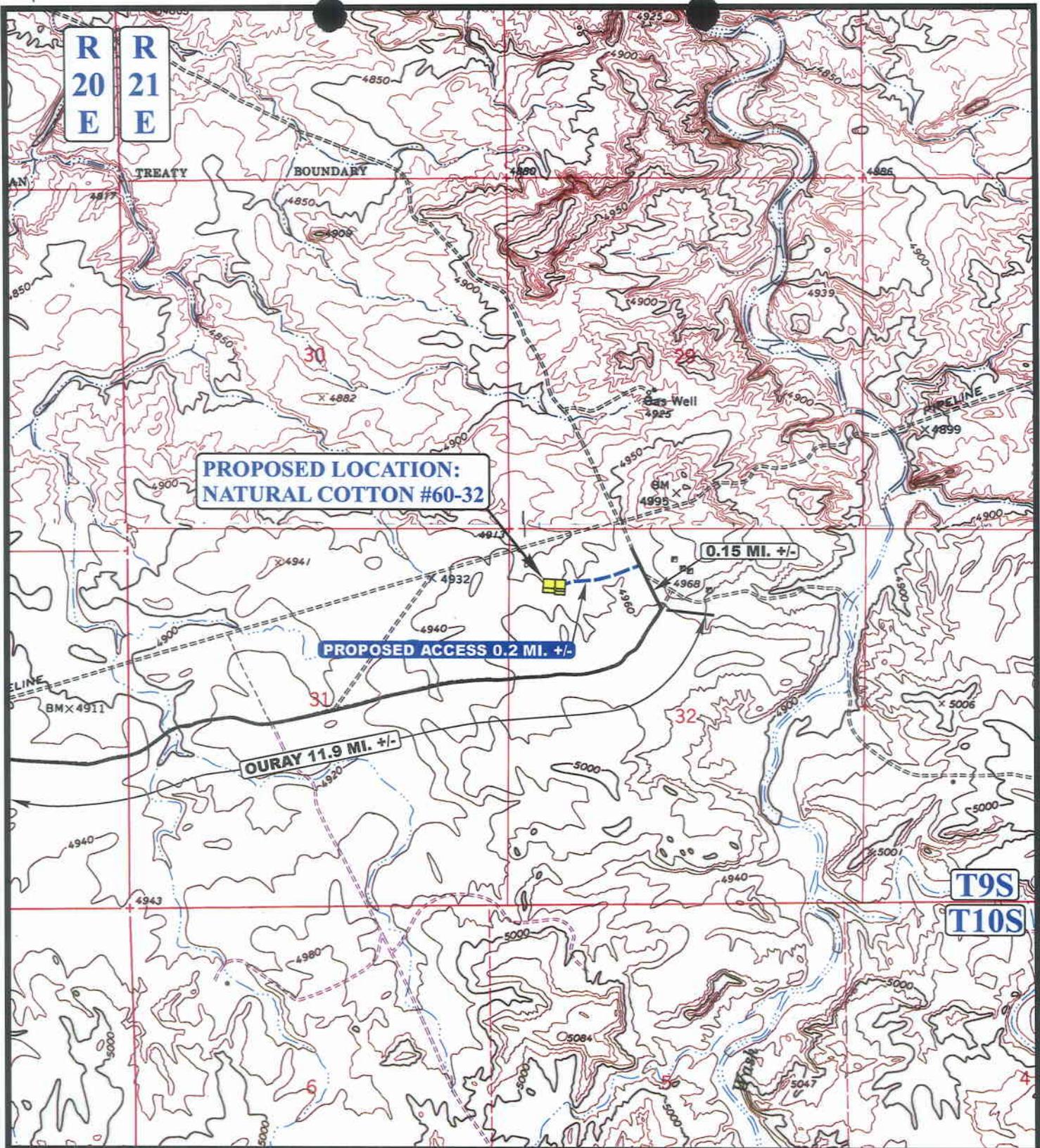
**Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAG (435) 789-1813**

**TOPOGRAPHIC MAP**  

<b>06</b>	<b>09</b>	<b>06</b>
MONTH	DAY	YEAR

**SCALE: 1:100,000** **DRAWN BY: B.C.** **REVISED: 00-00-00**





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



**EOG RESOURCES, INC.**

**NATURAL COTTON #60-32  
SECTION 32, T9S, R21E, S.L.B.&M.  
875' FNL 667' FWL**



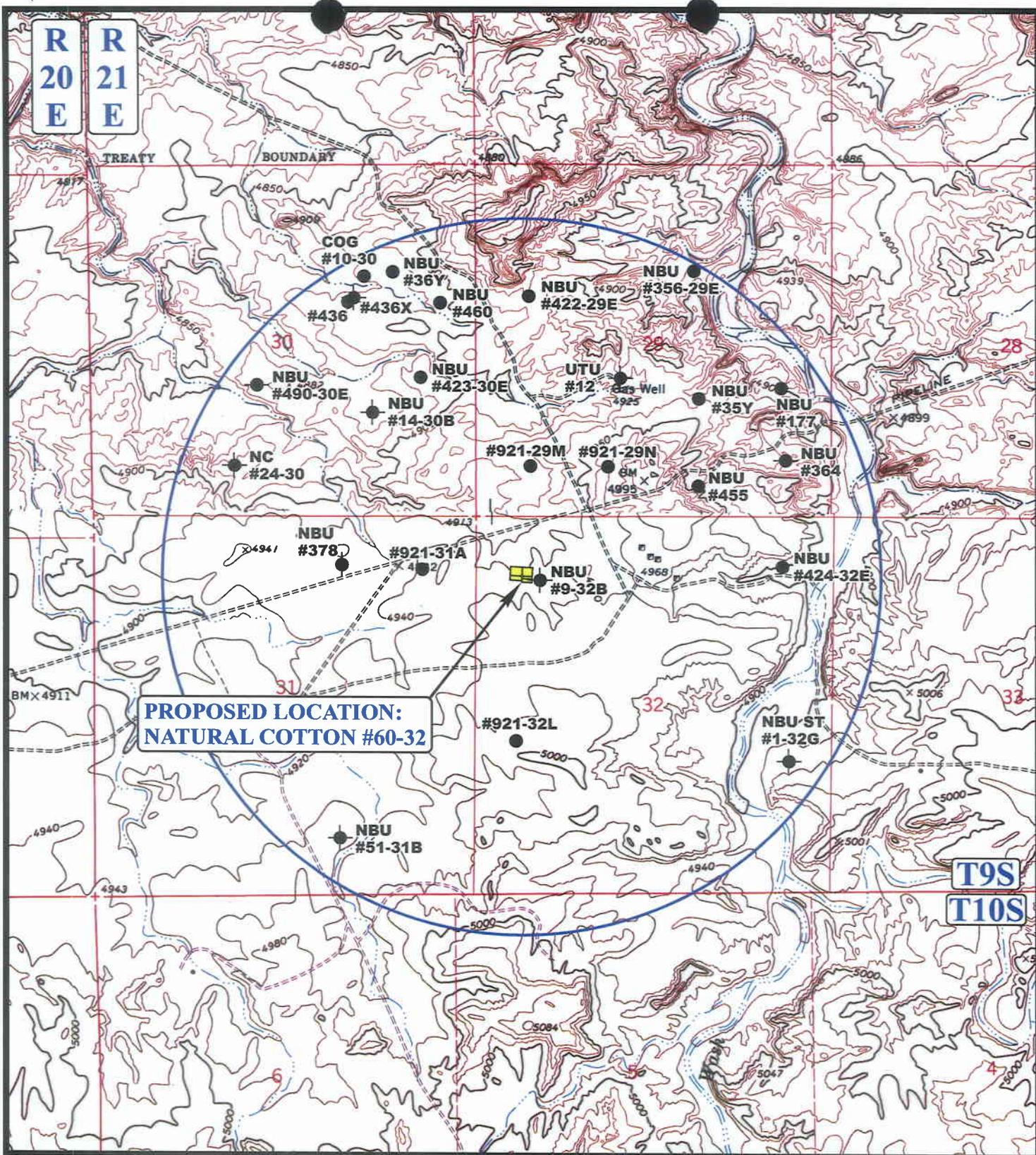
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
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**TOPOGRAPHIC  
MAP**

**06 09 06**  
MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00



**PROPOSED LOCATION:  
NATURAL COTTON #60-32**

**LEGEND:**

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



**EOG RESOURCES, INC.**

**NATURAL COTTON #60-32  
SECTION 32, T9S, R21E, S.L.B.&M.  
875' FNL 667' FWL**



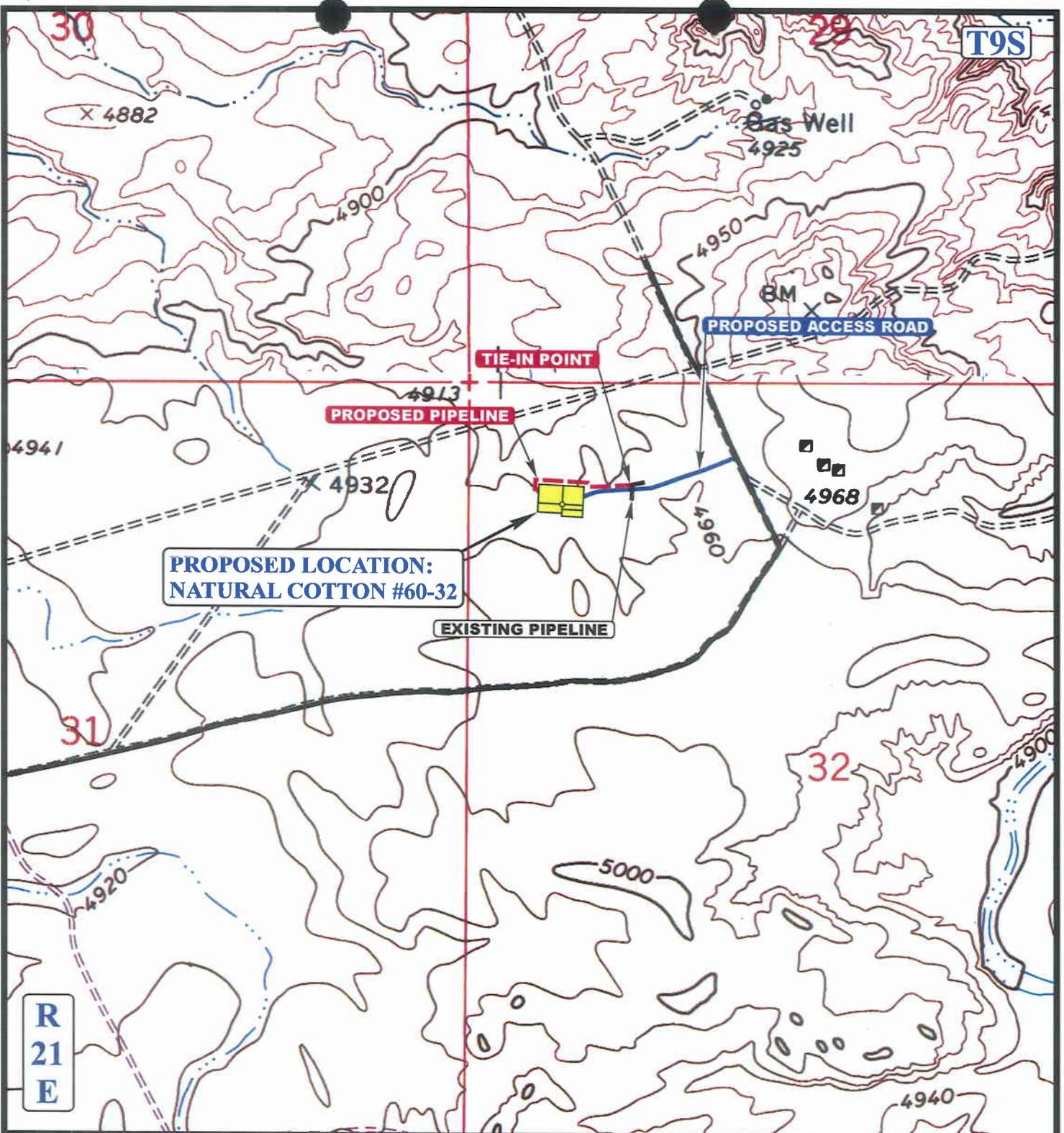
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**06 09 06**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00





**APPROXIMATE TOTAL PIPELINE DISTANCE = 796' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



**EOG RESOURCES, INC.**

**NATURAL COTTON #60-32  
SECTION 32, T9S, R21E, S.L.B.&M.  
875' FNL 667' FWL**



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85 South 200 East Vernal, Utah 84078  
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**TOPOGRAPHIC MAP** **06 09 06**  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: B.C. REVISED: 00-00-00



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/23/2006

API NO. ASSIGNED: 43-047-38331

WELL NAME: NATURAL COTTON 60-32  
 OPERATOR: EOG RESOURCES INC ( N9550 )  
 CONTACT: KAYLENE GARDNER

PHONE NUMBER: 435-789-0790

PROPOSED LOCATION:  
 NWNW 32 090S 210E  
 SURFACE: 0875 FNL 0667 FWL  
 BOTTOM: 0875 FNL 0667 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.99738 LONGITUDE: -109.5818  
 UTM SURF EASTINGS: 621071 NORTHINGS: 4428219  
 FIELD NAME: UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	12/13/06
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML 3142  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: CSLPK  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[] Ind[] Sta[] Fee[]  
 (No. 6196017 )

N Potash (Y/N)

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

Water Permit  
 (No. 49-1501 )

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 Nh P A

\_\_\_ 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: 12-2-99  
 Siting: 460' fr 4 barg & uncomm. well

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

COMMENTS: Needs Permit (07-17-06)

STIPULATIONS: 1- STATEMENT OF BASIS  
2- OIL SHALE  
3- Cement slp #3 (4 1/2" production, 300' MD)

T9S R21E

NATURAL COTTON 60-32



↔ NBU 9-32B

NBU 424-32E



# NATURAL BUTTES FIELD NATURAL BUTTES UNIT

CAUSE: 173-14 / 12-2-1999

32

STATE 92I-32L



STATE 92I-32K



STATE 92I-32J



NBU ST 1-32G

STATE 92I-32I



NBU 428



STATE 92I-32M



STATE 92I-32N



STATE 92I-32O



NBU 92I-33M



STATE 92I-32P



T10S R21E

OPERATOR: EOG RESOURCES INC (N9550)

SEC: 32 T. 9S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

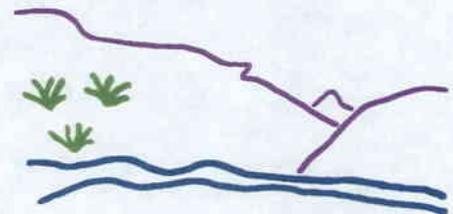
CAUSE: 173-14 / 12-2-1999

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 17-JULY-2006

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** EOG RESOURCES INC.  
**WELL NAME & NUMBER:** Natural Cotton 60-32  
**API NUMBER:** 43-047-38331  
**LOCATION:** 1/4,1/4 NW/NW Sec: 32 TWP:09S RNG:21E 875 FNL 667 FWL

**Geology/Ground Water:**

EOG proposes to set 500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,000'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 32 . This well is over a mile from the proposed location and is listed as a mining use well. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

**Reviewer:** Brad Hill **Date:** 07/31/06

**Surface:**

The pre-drill investigation of the surface was performed on July 17, 2006. Jim Davis (SITLA) and Ben Williams (UDWR) were invited to this investigation on 07/12/2006. Both were present. Ed Trotter and Terry Sere represented EOG.

Mr. Williams stated the area is classified as critical yearlong habitat for antelope by the UDWR. However antelope forage in the area is not limited and the drilling and operation of this well should not have a significant impact on this species. No other wildlife species are expected to be affected.

The proposed location is partially on a rehabilitated location used for the NBU 9-32B well, which has been plugged. The area is gentle rolling hills with a slight slope to the north. Approximately 1/8 mile to the north and east, Kerr McGee is constructing a disposal pond. Access road is 0.2 miles in length and will cross 2, 4" surface gas lines. One small drainage on the south west corner of the location will be intercepted by the pad. No diversion is needed. No stabilization problems are expected

This site appears to be the best site in the immediate area for a location and well.

**Reviewer:** Floyd Bartlett **Date:** 07/20/2006

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12mils shall be properly installed and maintained in the reserve pit.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** EOG RESOURCES INC.

**WELL NAME & NUMBER:** Natural Cotton 60-32

**API NUMBER:** 43-047-38331

**LEASE:** ML-3142 **FIELD/UNIT:** NATURAL BUTTES UNIT

**LOCATION:** 1/4,1/4 NW/NW **Sec:** 32 **TWP:**09S **RNG:**21E 875 **FNL** 667 **FWL**

**LEGAL WELL SITING:** 460' from unit boundary and uncommitted tracts.

**GPS COORD (UTM):** X =621067; Y =4428220 **SURFACE OWNER:** STATE OF UTAH (SITLA)

**PARTICIPANTS**

FLOYD BARTLETT (DOGM), ED TROTTER (EOG), Terry Sere (EOG), Jim Davis (SITLA), Ben Williams, (UDWR)

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

General area is Cottonwood Wash Drainage. It is characterized by rolling hills, which are frequently divided by somewhat gentle draws, which flow into Cottonwood Wash. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 8 miles to the White River. The draws are sometimes rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims.

This location is approximately 12 miles southeast of Ouray, Ut. and is accessed by the Seep Ridge Road to the Uintah County Middle road then east along this road and north on a oil field development road then west 0.2 on a road which will be constructed to the location.

The proposed location is partially on a rehabilitated location used for the NBU 9-32B well, which has been plugged. The area is gentle rolling hills with a slight slope to the north. Approximately 1/8 mile to the north and east, Kerr McGee is constructing a disposal pond. Access road will cross 2, 4" surface gas lines. One small drainage on the south west corner of the location will be intercepted by the pad. No diversion is needed. No stabilization problems are expected.

**SURFACE USE PLAN**

**CURRENT SURFACE USE:** WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

**PROPOSED SURFACE DISTURBANCE:** Construction of a well pad 325' by 200' plus a reserve pit 147' by 50' by 12 feet deep. Topsoil and reserve pit stockpiles are outside of the disturbed area. Access road consists of construction of 0.2 miles of new road.

**LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS:** Numerous wells are within a 1 mile radius. See TOPO C in APD.

**LOCATION OF PRODUCTION FACILITIES AND PIPELINES:** All production facilities will be on location and added after drilling well. Pipeline is 796 feet in length and will be laid on the surface following the

access road to a tie-in point.

SOURCE OF CONSTRUCTION MATERIAL: All construction materials will come from the location.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST CONCERNS? (EXPLAIN). Unlikely, as there are numerous other existing wells in the surrounding area.

#### **WASTE MANAGEMENT PLAN:**

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill

#### **ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: The location is a poorly vegetated desert shrub type. Common plants are shadscale, halogeton, curly mesquite, cheatgrass, horsebrush and rabbit brush. Common fauna is pronghorn, coyotes, songbirds, raptors, rodents, and rabbits.

SOIL TYPE AND CHARACTERISTICS: Shallow light brown gravely sandy loam.

EROSION/SEDIMENTATION/STABILITY: Very little natural erosion. Sedimentation and stability are not a problem and location construction shouldn't cause an increase in stability or erosion problems.

PALEONTOLOGICAL POTENTIAL: None expected.

#### **RESERVE PIT**

CHARACTERISTICS: 147' by 50' and 12' deep within an area of cut on the south east side of the location.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 mil liner will be required for reserve pit. Score of 25, Sensitivity Level II.

#### **SURFACE RESTORATION/RECLAMATION PLAN**

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: Completed by MOAC 06-28-06. Copy furnished to SILA.

**OTHER OBSERVATIONS/COMMENTS**

Ben Williams representing the Utah Division of Wildlife Resources stated the area is classified as critical yearlong habitat for antelope. Antelope forage in the area is not limited and the drilling and operation of this well should not have a significant impact on this species. No other wildlife species are expected to be affected.

**ATTACHMENTS**

Photos of this site were taken and placed on file.

Floyd Bartlett  
DOGM REPRESENTATIVE

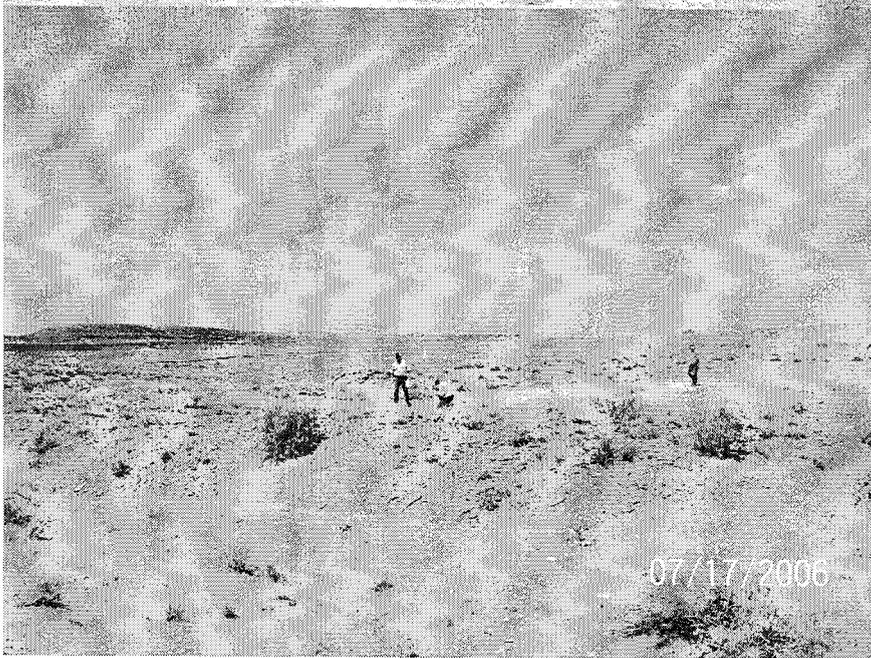
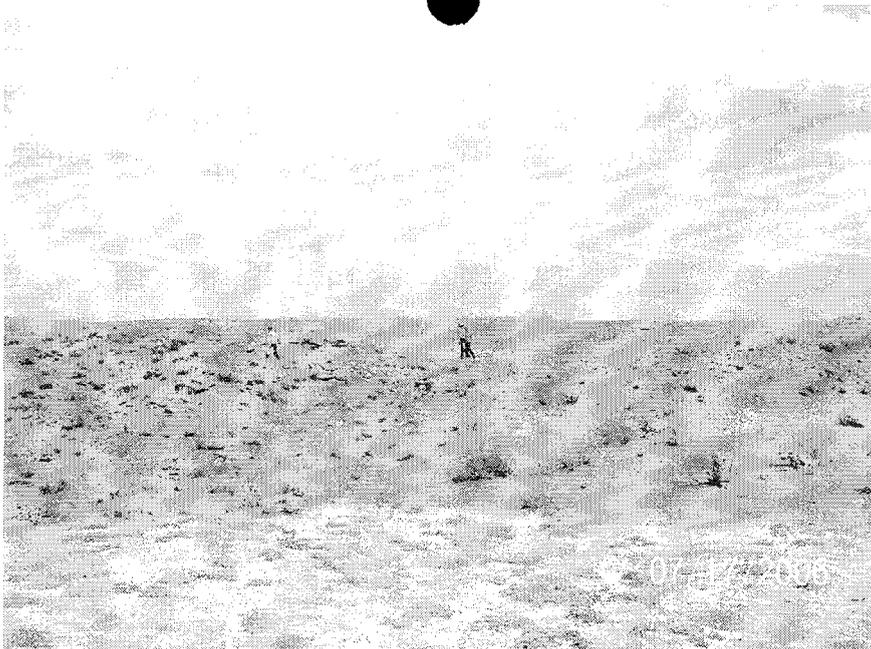
07-17-2006 3:45 PM  
DATE/TIME

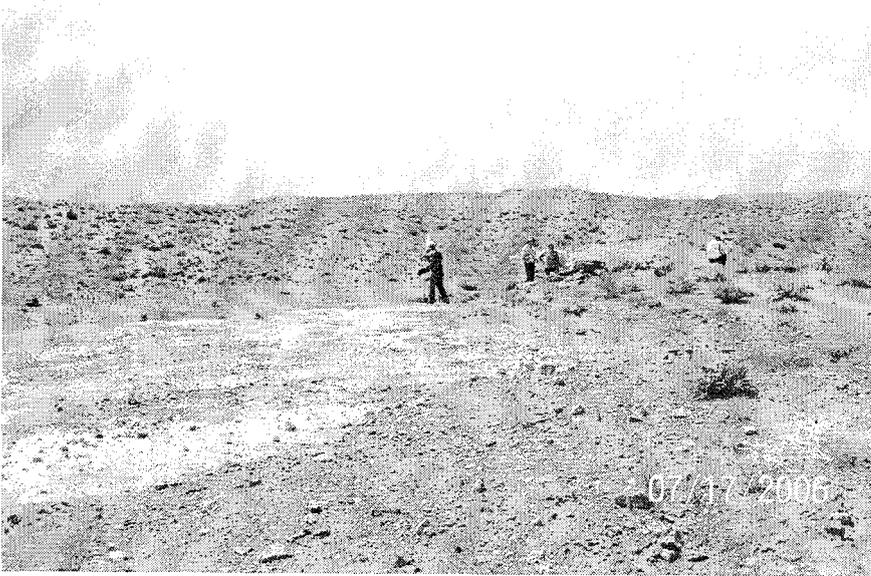
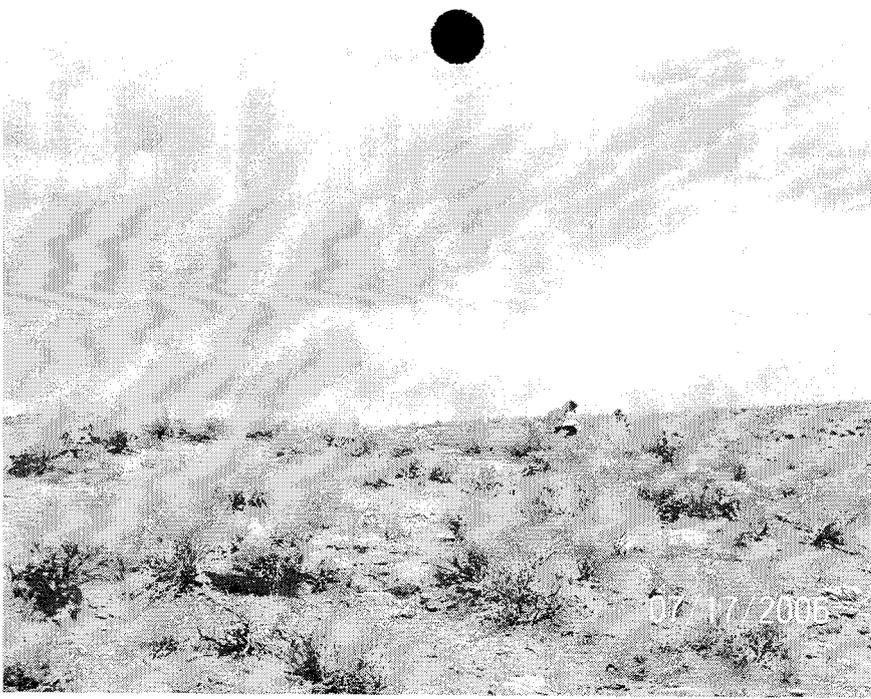
**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>10</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      25      (Level II Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.  
Sensitivity Level II = 15-19; lining is discretionary.  
Sensitivity Level III = below 15; no specific lining is required.





2006-12 EOG Natural Cotton 60-32

Casing Schematic

Surface

12 3/8"

18 7/8"

BHP

$0.052(5100)9.5 = 2519 \text{ psi}$   
anticipate 2520 psi

9-5/8"  
MW 8.4  
Frac 19.3

GWS

$.12(5100) = 612$   
 $2519 - 612 = 1907 \text{ psi, MASP}$

BOPE 5000 psi ✓

Burst - 3520  
70% 2464 psi

Max P @ csg shoe

$.22(4000) = 1012$   
 $2519 - 1012 = 1507 \text{ psi}$

test @ 1507 psi ✓

✓ Strip → prod. cont. to 300'  
as proposed

✓ Adequate PWS 12/13/06

4-1/2"  
MW 9.5

18' TOC @ Uintah

Surface  
500. MD

1556' TOC w/4% w/o  
1643' Green River

TOC @  
2216.  
2336' Mahogany Oil Shale

✓ \*st. P

2963' Garden Gulch  
3142' Middle Carb Bed

3833' Douglas Creek Mbr.  
4000' ± BMSW

4506' Castle Peak Mbr.

4837' Uteland Butte Mbr.

Production  
5100. MD

Well name:	<b>08-06 EOG Natural Cotton 60-32</b>		
Operator:	<b>EOG Resources Inc.</b>		
String type:	Surface	Project ID:	43-047-38331
Location:	Uintah County		

**Design parameters:**

**Collapse**  
Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 82 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

**Burst**

Max anticipated surface pressure: 440 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 500 psi

**Burst:**

Design factor 1.00

Cement top: Surface

No backup mud specified.

**Tension:**

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

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 438 ft

**Re subsequent strings:**

Next setting depth: 5,100 ft  
Next mud weight: 9.500 ppg  
Next setting BHP: 2,517 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 500 ft  
Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	500	9.625	36.00	J-55	ST&C	500	500	8.796	216.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	2020	9.262	500	3520	7.04	16	394	25.01 J

Prepared by: Clinton Dworshak  
Div of Oil, Gas & Minerals

Phone: 801-538-5280  
FAX: 801-359-3940

Date: December 5, 2006  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>08-06 EOG Natural Cotton 60-32</b>		
Operator:	<b>EOG Resources Inc.</b>		
String type:	Production	Project ID:	43-047-38331
Location:	Uintah County		

**Design parameters:**

**Collapse**

Mud weight: 9.500 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,395 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 2,517 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

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

Tension is based on buoyed weight.  
 Neutral point: 4,376 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 146 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 2,216 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5100	4.5	11.60	J-55	LT&C	5100	5100	3.875	445.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2517	4960	1.971	2517	5350	2.13	51	162	3.19 J

Prepared by: Clinton Dworshak  
 Div of Oil, Gas & Minerals

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: December 5, 2006  
 Salt Lake City, Utah

Remarks:

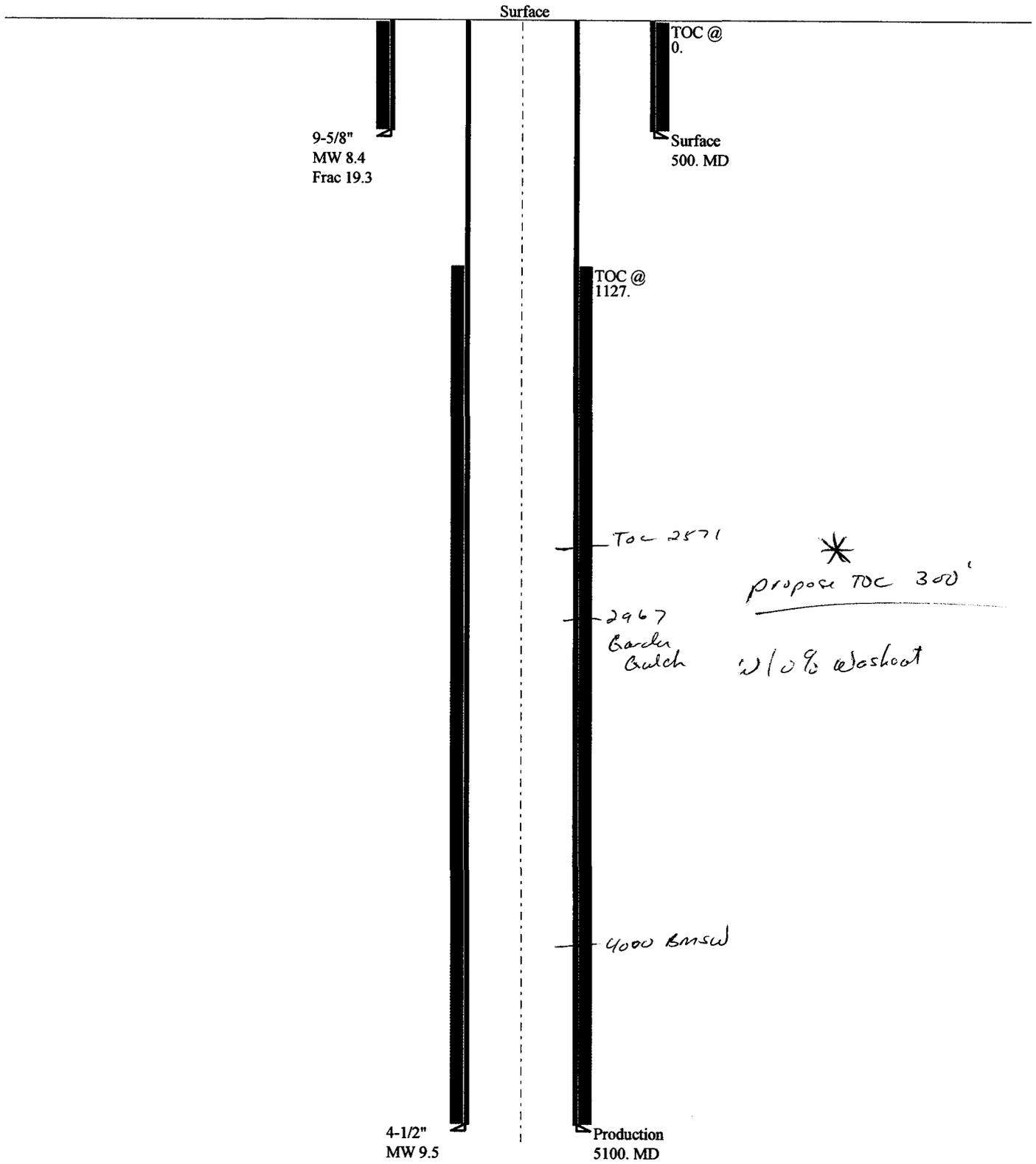
Collapse is based on a vertical depth of 5100 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# 08-06 EOG Natural Cotton 60-32

## Casing Schematic



**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 8/16/2006 4:41:54 PM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

ConocoPhillips Company  
Utah 19-1182  
Utah 34-1217

Enduring Resources, LLC  
Bitter Creek 12-23-11-36  
Bitter Creek 12-23-21-36

EOG Resources, Inc  
Natural Cotton 66-36  
Natural Cotton 60-32  
Natural Cotton 74-19

Kerr McGee Oil & Gas Onshore LP (Westport)  
NBU 1022-19J

Newfield Production Company  
Horseshoe Bend State 3-36-6-21  
Horseshoe Bend State 12-36-6-21

Parallel Petroleum Corporation  
Buckskin Hills 13-32-3-22

If you have any questions regarding this matter please give me a call.

**CC:** Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

Department of  
Natural Resources

MICHAEL R. STYLER  
*Executive Director*

Division of  
Oil, Gas & Mining

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

December 14, 2006

EOG Resources Inc.  
P O Box 1815  
Vernal, UT 84078

Re: Natural Cotton 60-32 Well, 875' FNL, 667' FWL, NW NW, Sec. 32,  
T. 9 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 43-047-38331.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor (via e-mail)  
SITLA  
Bureau of Land Management, Vernal District Office

Operator: EOG Resources Inc.  
Well Name & Number Natural Cotton 60-32  
API Number: 43-047-38331  
Lease: ML-3142

Location: NW NW Sec. 32 T. 9 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**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2

43-047-38331

December 14, 2006

6. 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.
  
7. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to  $\pm 300'$  MD as indicated in the submitted drilling plan.



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1000N  
Denver, CO 80202  
Main: 303-572-9000  
Fax: 303-824-5400

February 1, 2007

Ms. Diana Whitney  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Request for Exception Well Location  
Natural Cotton 60-32  
NW/4NW/4 of Sec. 32-9S-21E, SLM  
Uintah County, Utah  
Natural Buttes Prospect  
1540-G06, 0050608-000

Dear Ms. Whitney:

Enclosed is EOG Resources, Inc.'s ("EOG") formal application for the Utah Division of Oil, Gas and Mining's administrative approval of the subject exception location.

The Division of Oil, Gas and Mining had already approved the application to drill the referenced well and the need for an exception location was apparently overlooked. So, if the enclosed request is approved, please provide EOG with an amended version of the Division of Oil, Gas and Mining's original December 14, 2006, approval letter (copy also enclosed) evidencing same. I would greatly appreciate it if you would also fax a copy of such amended approval letter to my attention at (303) 824-5401.

Thank you for your assistance. If you have any questions, please don't hesitate to call me at (303) 824-5430.

Sincerely,

**EOG RESOURCES, INC.**

A handwritten signature in black ink that reads "Debbie Spears".

Debbie Spears  
Lead Land Technician

/das  
Enclosures  
DOGM-nc60-32.doc

**energy opportunity growth**

**RECEIVED**  
**FEB 05 2007**  
DIV. OF OIL, GAS & MINING



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1000N  
Denver, CO 80202  
Main: 303-572-9000  
Fax: 303-824-5400

February 1, 2007

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attention: Ms. Diana Whitney

RE: Request for Exception to Location  
and Siting of Wells  
Natural Cotton 60-32  
NW/4NW/4 of Sec. 32-9S-21E, SLM  
Uintah County, Utah  
Natural Buttes Prospect  
1540-G06, 0050608-000

Ladies and Gentlemen:

Reference is made to that certain Order promulgated in Cause No. 197-1 for the development and production of gas and associated hydrocarbons from the Green River formation. Said spacing order established 160-acre drilling units covering, among other lands, the NW/4 of Section 32, Township 9 South, Range 21 East, SLM, Uintah County, Utah. The prescribed location of the permitted well therein shall not be less than 1,000' from the exterior boundary of each drilling unit.

EOG Resources, Inc. ("EOG") proposes and respectfully requests permission to drill the Natural Cotton 60-32, a 5,100' Green River test well, at a location 875' FNL, 667' FWL (NW/4NW/4) of Section 32, Township 9 South, Range 21 East, SLM, Uintah County, Utah. The subject well location was selected based on geology and EOG attempted to stake it at the most optimum location allowed by existing topography and other drilling operations in the area. Said location could not be staked in compliance with Cause No. 197-1. Therefore, EOG is requesting this exception location.

Enclosed herewith is a copy of the survey plat for the proposed well and another plat labeled Exhibit "A" which depicts the outlines of the 160-acre drilling units established in Cause No. 197-1 and the location at which EOG requests permission to drill the proposed Natural Cotton 60-32 well, and the Green River formation wells which have been drilled in the area.

Division of Oil, Gas and Mining  
February 1, 2007  
Page 2 of 2

EOG, Kerr-McGee Oil & Gas Onshore LP ("Kerr-McGee") and Howell Petroleum Corporation (a subsidiary of Kerr-McGee) are the only owners of operating rights directly or diagonally offsetting the 160-acre drilling unit in which the Natural Cotton 60-32 would be drilled (see enclosed Exhibit "B"). A letter dated January 18, 2007, on which Kerr-McGee and Howell Petroleum Corporation have evidenced its written consent to EOG's proposed drilling of the Natural Cotton 60-32 well at the requested exception location is also enclosed.

EOG respectfully requests the Utah Division of Oil, Gas and Mining review and grant administrative approval of this application for an exception well location and permission to drill the proposed Green River formation well described herein at its earliest opportunity.

If you have any questions or need any additional information, please do not hesitate to contact the undersigned.

Yours very truly,

**EOG RESOURCES, INC.**



Debbie Spears  
Lead Land Technician

/das

Enclosures

M:\das\exception\location\naturalcotton60-32.doc

cc: Kaylene Gardner – Vernal (with copies of enclosures)  
Denver Well File (with copies of enclosures)



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1000N  
Denver, CO 80202  
Main: 303-572-9000  
Fax: 303-824-5400

January 18, 2007

Kerr-McGee Oil & Gas Onshore LP  
1999 Broadway, Suite 3700  
Denver, Colorado 80202

Attention: Mr. W. Chris Latimer

Howell Petroleum Corporation  
1201 Lake Robbins Drive  
The Woodlands, Texas 77380

Attention: Land Department

RE: Request for Consent to Exception Location  
Natural Cotton 60-32  
NW/4NW/4 of Sec. 32-9S-21E, SLM  
Uintah County, Utah  
Natural Buttes Prospect  
1540-G06, 0050608-000

Gentlemen:

EOG Resources, Inc. ("EOG") has staked and proposes to drill the Natural Cotton 60-32, a 5,100' Green River formation test well, at a location 875' FNL, 667' FWL (NW/4NW/4) of Section 32, Township 9 South, Range 21 East, SLM, Uintah County, Utah (see enclosed copy of plat).

The State of Utah Board of Oil, Gas and Mining's Order in Cause No. 197-1 established 160-acre drilling units for the development and production of gas and associated hydrocarbons from the Green River formation and prescribes that the location of the permitted well in each drilling unit shall be not less than 1000' from the exterior boundary of such drilling unit.

Inasmuch as the location of the proposed Natural Cotton 60-32 well is not in compliance with this spacing order, EOG will request the State of Utah Division of Oil, Gas and Mining's administrative approval of such location as an exception location in accordance with General Rule R649-3-3. Such Rule requires EOG to submit written consent from all owners of directly or diagonally offsetting drilling units.

Therefore, if Kerr-McGee Oil & Gas Onshore LP and Howell Petroleum Corporation have no objection to EOG's drilling its proposed Green River test, the Natural Cotton 60-32 well, at the above-described location, EOG respectfully requests you so indicate such written consent to same by having this letter dated and executed in the spaces provided below and returning one (1) originally executed copy to my attention at the letterhead address at your very earliest opportunity.

Thank you for your favorable consideration of this request. If you have any questions, please don't hesitate to call the undersigned at (303) 824-5430.

Sincerely,

**EOG RESOURCES, INC.**



Debbie Spears  
Lead Land Technician

/das  
exloc\naturalcotton60-32

On this 17<sup>th</sup> day of JANUARY, 2007, the undersigned hereby grants its written consent to EOG Resources, Inc.'s drilling the proposed Green River test, the Natural Cotton 60-32, at a location 875' FNL, 667' FWL (NW/4NW/4) of Section 32, Township 9 South, Range 21 East, SLM, Uintah County, Utah, which location is an exception to State of Utah Board of Oil, Gas and Mining's Order in Cause No. 197-1.

**KERR-McGEE OIL & GAS ONSHORE LP**

By: UWNT

Title: ATTORNEY-IN-FACT

**HOWELL PETROLEUM CORPORATION**

By: UWNT

Title: ATTORNEY-IN-FACT



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

December 14, 2006

EOG Resources Inc.  
P O Box 1815  
Vernal, UT 84078

Re: Natural Cotton 60-32 Well, 875' FNL, 667' FWL, NW NW, Sec. 32,  
T. 9 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 43-047-38331.

Sincerely,

Gil Hunt  
Associate Director

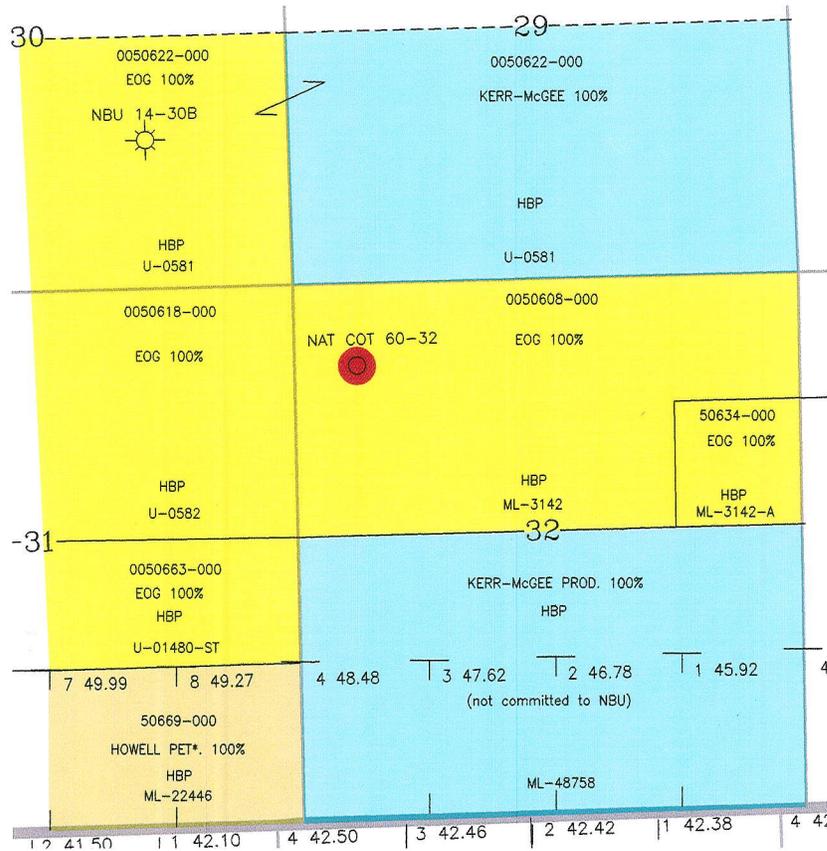
pab  
Enclosures

cc: Uintah County Assessor (via e-mail)  
SITLA  
Bureau of Land Management, Vernal District Office

**RECEIVED**  
DEC 22 2006

**EOG - VERNAL**

# R 21 E



T  
9  
S

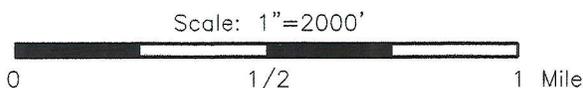
-  EOG 100% Working Interest
-  Kerr-McGee 100% Working Interest
-  Howell Pet. 100% Working Interest

Information depicted on this plat is limited to the ownership from the surface to the base of the Green River Formation.

 Location at which applicant requests permission to drill the proposed Natural Cotton #60-32 875' FNL, 667' FWL, (NWNW) of Sec. 32, T9S - R21E

\* Amoco still appears in the SITLA records

## Exhibit "B"





Denver Division

Application for  
Exception Well Location  
**Natural Cotton 60-32 Well**

UINTAH COUNTY, UTAH

Scale: 1"=2000'	D:\utah\exception_plat\exc5e21e-32.dwg exc_B_180	Author T.M.	Jan 18, 2007 - 2:09pm
--------------------	---	----------------	--------------------------

# T9S, R21E, S.L.B.&M.

EOG RESOURCES, INC.

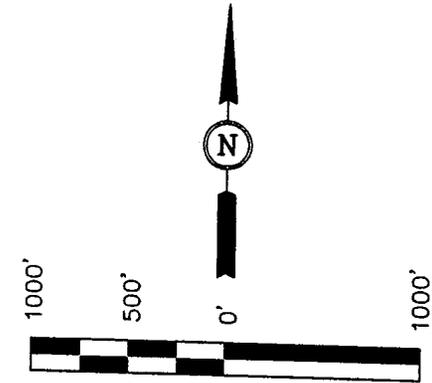
Well location, NATURAL COTTON #60-32, located as shown in the NW 1/4 NW 1/4 Section 32, T9S, R21E, S.L.B.&M. Uintah County, Utah.

## 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.



SCALE

CERTIFICATION

THIS IS TO CERTIFY THAT THE INFORMATION CONTAINED HEREIN WAS OBTAINED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



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

SCALE 1" = 1000'	DATE SURVEYED: 6-2-06	DATE DRAWN: 6-6-06
PARTY G.S. B.J. K.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE EOG RESOURCES, INC.	

5/8" Rebar,  
Pile of Stones

S89°58'42"E - 2641.77' (Meas.)

WEST - 2640.00' (G.L.O.)

U.E.L.S. Alum.  
Cap, Pile of  
Stones, Post

NATURAL COTTON #60-32  
Elev. Ungraded Ground = 4943'

N00°05'W - 2640.00' (G.L.O.)

32

Set Marked Stone  
Pile of Stones

N01°52'39"W - 2866.51' (Meas.)

N00°45'56"W - 5577.99' (Meas.)

Lot 4

Lot 3

Lot 2

Lot 1

1977 Brass Cap  
1.2' High, Pile  
of Stones

1977 Brass Cap

1977 Brass Cap  
0.5' High, Pile of  
Stones, Steel Post

T9S

T10S

S89°07'34"W - 2561.52' (Meas.)

S89°10'33"W - 2731.23' (Meas.)

### LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°59'50.41" (39.997336)

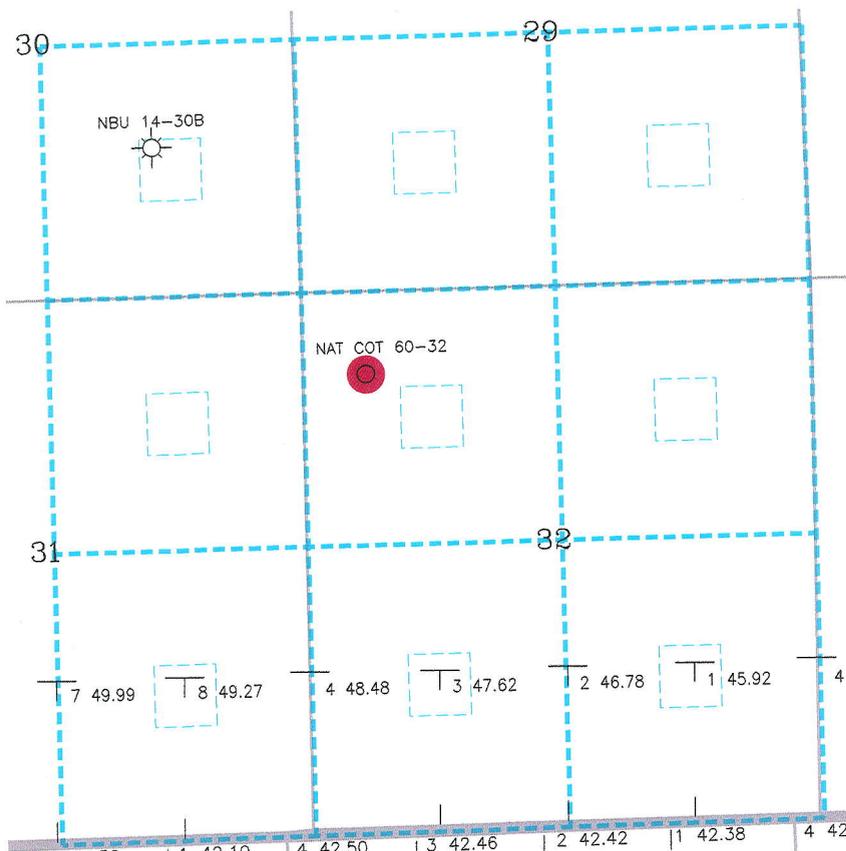
LONGITUDE = 109°34'57.05" (109.582514)

(NAD 27)

LATITUDE = 39°59'50.54" (39.997372)

LONGITUDE = 109°34'54.57" (109.581825)

R 21 E



T  
9  
S

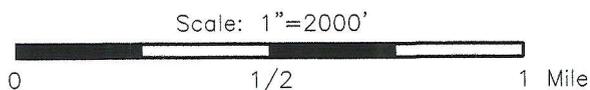
 Drilling Units established for development and production of gas and associated hydrocarbons from Green River Formation under Cause No. 197-1

 Legal window within which a Green River gas well could be drilled in each Drilling Unit in compliance with order.

 Location at which Green River wells have been drilled

 Location at which applicant requests permission to drill the proposed Natural Cotton #60-32  
875' FNL, 667' FWL, (NWNW) of Sec. 32, T9S - R21E

Exhibit "A"





Denver Division

Application for  
Exception Well Location  
**Natural Cotton 60-32 Well**

UINTAH COUNTY, UTAH

Scale: 1"=2000'

D:\utah\exception\_plats\exc60-32.dwg  
exc\_A\_100

Author

T.M.

Oct 23, 2006 -  
1:44pm



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

December 14, 2006  
AMENDED

EOG Resources, Inc.  
P.O. Box 1815  
Vernal, UT 84078

Re: Natural Cotton 60-32 Well, 875' FNL, 667' FWL, NW NW, Sec. 32,  
T. 9 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-38331.

Sincerely,

Gil Hunt  
Associate Director

mf  
Enclosures

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

Operator: EOG Resources, Inc.  
Well Name & Number Natural Cotton 60-32  
API Number: 43-047-38331  
Lease: ML 3142

Location: NW NW Sec. 32 T. 9 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

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office  
(801) 733-0983 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office  
(801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with 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.
7. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 300' MD as indicated in the submitted drilling plan.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML3142</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>NATURAL COTTON 60-32</b>
2. NAME OF OPERATOR: <b>EOG RESOURCES, INC.</b>		9. API NUMBER: <b>43-047-38331</b>
3. ADDRESS OF OPERATOR: 1060 East Highway 40 CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		10. FIELD AND POOL, OR WMLDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>875 FNL 667 FWL 39.997336 LAT 109.582514 LON</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S 21E S.L.B. &amp; M</b>		STATE: <b>UTAH</b>

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

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

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 12-24-07  
By: [Signature]

NAME (PLEASE PRINT) <u>Kaylene R. Gardner</u>	TITLE <u>Lead Regulatory Assistant</u>
SIGNATURE <u>[Signature]</u>	DATE <u>12/12/2007</u>

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**RECEIVED**  
**DEC 20 2007**  
DIV. OF OIL, GAS & MINING

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

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

**API:** 43-047-38331  
**Well Name:** NATURAL COTTON 60-32  
**Location:** 875 FNL 667 FWL (NWNW), SECTION 32, T9S, R21E S.L.B.&M  
**Company Permit Issued to:** EOG RESOURCES, INC.  
**Date Original Permit Issued:** 12/14/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

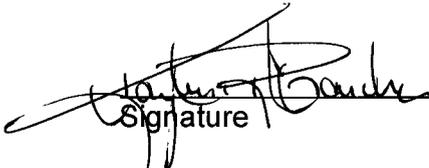
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

12/12/2007

Date

Title: LEAD REGULATORY ASSISTANT

Representing: EOG RESOURCES, INC.

**RECEIVED**  
**DEC 20 2007**  
DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML3142</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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>NATURAL COTTON 60-32</b>	
2. NAME OF OPERATOR: <b>EOG RESOURCES, INC.</b>	9. API NUMBER: <b>43-047-38331</b>	
3. ADDRESS OF OPERATOR: 1060 East Highway 40    CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 789-0790</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>875 FNL 667 FWL 39.997336 LAT 109.582514 LON</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S 21E S.L.B. &amp; M</b>		STATE: <b>UTAH</b>

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

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

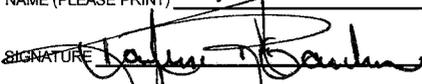
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**EOG Resources, Inc. respectfully requests authorization to change the well name for the referenced well,**

**From: Natural Cotton 60-32**

**To: Natural Buttes Unit 764-32E**

**RECEIVED**  
**OCT 15 2008**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <u>Kaylene R. Gardner</u>	TITLE <u>Regulatory Administrator</u>
SIGNATURE 	DATE <u>10/13/2008</u>

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML3142</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: <b>Natural Buttes Unit</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>Natural Buttes Unit 764-32E</b>	
2. NAME OF OPERATOR: <b>EOG RESOURCES, INC.</b>		9. API NUMBER: <b>43-047-38331</b>
3. ADDRESS OF OPERATOR: 1060 East Highway 40 CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 789-0790</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>875 FNL 667 FWL 39.997336 LAT 109.582514 LON</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S 21E S.L.B. &amp; M</b>		STATE: <b>UTAH</b>

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TYPE OF SUBMISSION	TYPE OF ACTION		
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>Change TD</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

EOG Resources, Inc. respectfully requests authorization to change the TD for the referenced well,

From: 5100'

To: 6676'

A revised drilling plan is attached.

**RECEIVED**  
**OCT 15 2008**  
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 10.30.2008

Initials: KS

NAME (PLEASE PRINT) Kaylene R. Gardner TITLE Regulatory Administrator

SIGNATURE [Signature] DATE 10/13/2008

**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**

DATE: 10/29/08  
BY: [Signature]

\* Surface Casing shall be cemented back to surface  
\*\* Production Casing shall be cemented back to 600' (Cause 190-500)

(This space for State use only)

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 764-32E**  
**NW/NW, SEC. 32, T9S, R21E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

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

<b>FORMATION</b>	<b>TVD-RKB (ft)</b>	<b>Objective</b>	<b>Lithology</b>	
Green River	1,648		Shale	
Mahogany Oil Shale Bed	2,343		Shale	
Wasatch	4,960	Primary	Sandstone	Gas
Chapita Wells	5,589	Primary	Sandstone	Gas
Buck Canyon	6,305	Primary	Sandstone	Gas
<b>TD</b>	<b>6,676</b>			

**Estimated TD: 6,676' or 200'± below TD**

**Anticipated BHP: 3,645 Psig**

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

**3. PRESSURE CONTROL EQUIPMENT:**

Production Hole – 5000 Psig  
 BOP schematic diagrams attached.

**4. CASING PROGRAM:**

<b>CASING</b>	<b>Hole Size</b>	<b>Length</b>	<b>Size</b>	<b>WEIGHT</b>	<b>Grade</b>	<b>Thread</b>	<b>Rating Collapse</b>	<b>Factor Burst</b>	<b>Tensile</b>
Conductor	17 ½"	0 – 45'	13 ¾"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 ¼"	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:** 12-¼" 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 764-32E NW/NW, SEC. 32, T9S, 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 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

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

Air/air mist or aerated water.

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

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

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

## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 764-32E NW/NW, SEC. 32, T9S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 7. VARIANCE REQUESTS:

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

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

#### 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 764-32E NW/NW, SEC. 32, T9S, 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: 148 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: 383 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 764-32E** **NW/NW, SEC. 32, T9S, 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.

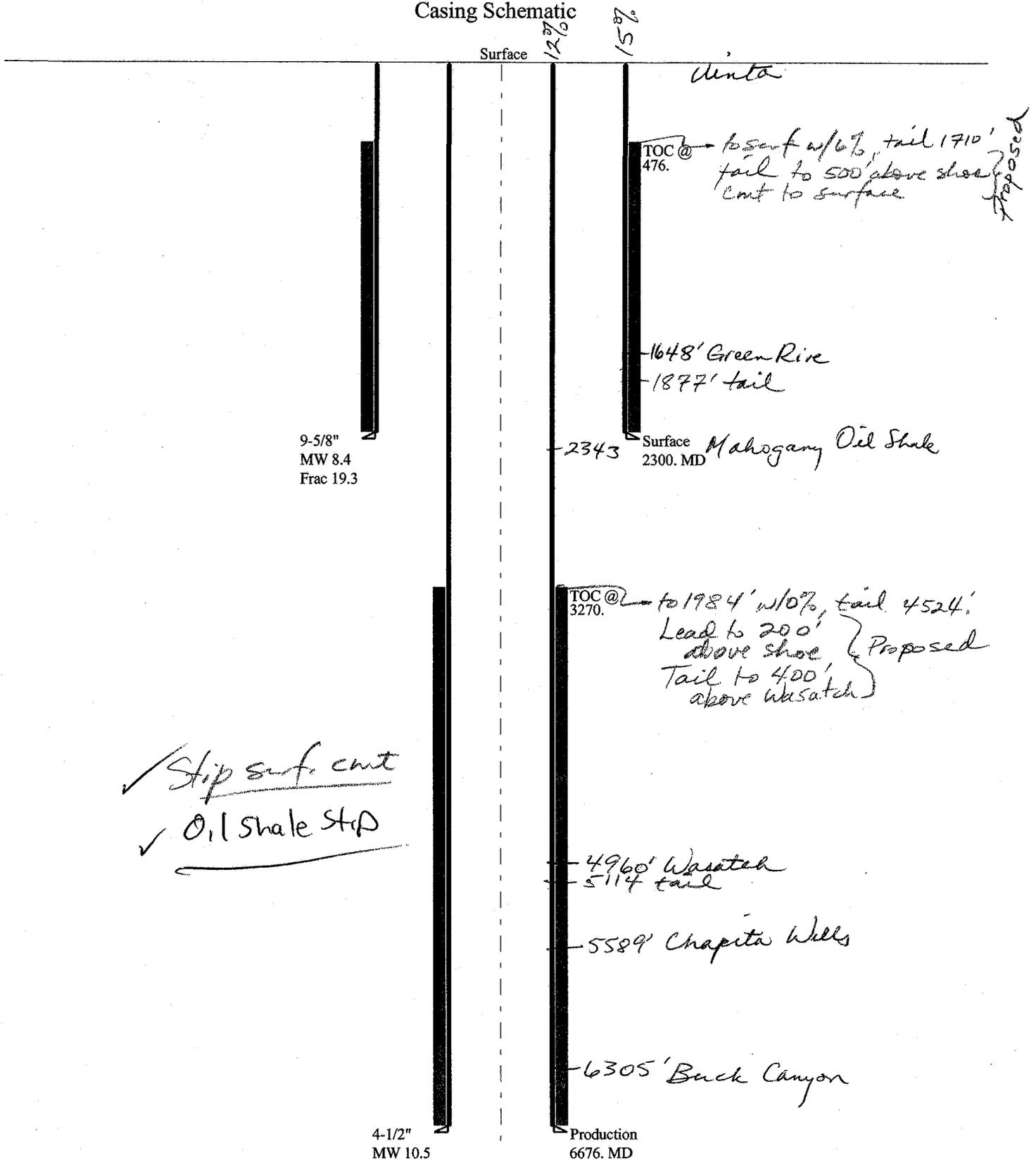
#### **13. Air Drilling Operations:**

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)**

Former Natural Cotton 60-32  
08-06 EOG NBU 764-32 (rev 10-2008)

Casing Schematic



Well name:	<b>08-06 EOG NBU 764-32 (rev 10-2008)</b>		
Operator:	<b>EOG Resources Inc.</b>		
String type:	Surface	Project ID:	43-047-38331-0000
Location:	Uintah County		

**Design parameters:**

**Collapse**  
Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Burst:**  
Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 107 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft  
Cement top: 476 ft

**Burst**

Max anticipated surface pressure: 2,024 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,300 psi

No backup mud specified.

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

Tension is based on buoyed weight.  
Neutral point: 2,014 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 6,676 ft  
Next mud weight: 10,500 ppg  
Next setting BHP: 3,641 psi  
Fracture mud wt: 19,250 ppg  
Fracture depth: 2,300 ft  
Injection pressure: 2,300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2300	9.625	36.00	J-55	ST&C	2300	2300	8.796	998.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1004	2020	2.013	2300	3520	1.53	73	394	5.43 J

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

Phone: 801-538-5357  
FAX: 801-359-3940

Date: October 28, 2008  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>08-06 EOG NBU 764-32 (rev 10-2008)</b>		
Operator:	<b>EOG Resources Inc.</b>	<i>Former Natural Cotton 60-32</i>	
String type:	Production	Project ID:	43-047-38331-0000
Location:	Uintah County		

**Design parameters:**

**Collapse**

Mud weight: 10.500 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 2,173 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 3,641 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

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

Tension is based on buoyed weight.  
 Neutral point: 5,628 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 168 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 3,270 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6676	4.5	11.60	N-80	LT&C	6676	6676	3.875	582.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3641	6350	1.744	3641	7780	2.14	65	223	3.42 J

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

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: October 28, 2008  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6676 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

**BOPE REVIEW**

**EOG NBU 764-32E API 43-047-38331-0000**

**INPUT**

Well Name	EOG NBU 764-32E API 43-047-38331-0000		
	String 1	String 2	
Casing Size (")	9 5/8	4 1/2	
Setting Depth (TVD)	2300	6676	
Previous Shoe Setting Depth (TVD)	45	2300	
Max Mud Weight (ppg)	8.4	10.5	
BOPE Proposed (psi)	500	5000	
Casing Internal Yield (psi)	3520	7780	
Operators Max Anticipated Pressure (psi)	3645	10.5 ppg	

<b>Calculations</b>	<b>String 1</b>	<b>9 5/8 "</b>	
Max BHP [psi]	.052*Setting Depth*MW =	1005	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	729	NO <i>OK</i> Air Drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	499	YES <input checked="" type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	509	NO <i>Reasonable depth - No expected pressure</i>
Required Casing/BOPE Test Pressure		2300 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		45 psi	*Assumes 1psi/ft frac gradient

<b>Calculations</b>	<b>String 2</b>	<b>4 1/2 "</b>	
Max BHP [psi]	.052*Setting Depth*MW =	3645	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2844	YES
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2176	YES <input checked="" type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	2682	NO <i>OK</i>
Required Casing/BOPE Test Pressure		5000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		2300 psi	*Assumes 1psi/ft frac gradient

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3142</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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: <b>Natural Buttes</b>
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>			8. WELL NAME and NUMBER: <b>Natural Buttes Unit 764-32E</b>
3. ADDRESS OF OPERATOR: <b>1060 East Highway 40</b> CITY <b>Vernal</b> STATE <b>UT</b> ZIP <b>84078</b>		PHONE NUMBER: <b>(435) 789-0790</b>	9. API NUMBER: <b>43-047-38331</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>875' FNL &amp; 667' FWL 39.997336 LAT 109.582514 LON</b>			10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S 21E S.L.B. &amp; M.</b>			COUNTY: <b>Uintah</b>
			STATE: <b>UTAH</b>

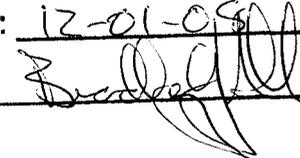
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

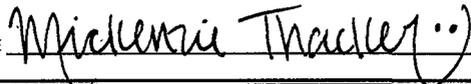
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>APD EXTENSION REQUEST</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 12-01-08  
By: 

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE 	DATE <u>11/24/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 12.4.2008

Initials: KS

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED**  
**NOV 26 2008**

DIV. OF OIL, GAS & MINING

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

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

**API:** 43-047-38331  
**Well Name:** Natural Buttes Unit 764-32E  
**Location:** 875 FNL & 667 FWL (NWNW), SECTION 32, T9S, R21E S.L.B.&M  
**Company Permit Issued to:** EOG RESOURCES, INC.  
**Date Original Permit Issued:** 12/14/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

Mickemmi Thacker  
Signature

11/24/2008  
Date

Title: Operations Clerk

Representing: EOG Resources, Inc.

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**NOV 26 2008**  
DIV. OF OIL, GAS & MINING

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: EOG Resources, Inc.

Well Name: NBU 764-32E

API No: 43-047-38331 Lease Type: State

Section 32 Township 09S Range 21E County Uintah

Drilling Contractor Craig's Roustabout Services Rig # Bucket

### SPUDDED:

Date 04/30/09

Time 09:00 AM

How Dry

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

Reported by Kent

Telephone # 435-828-8200

Date 04/30/2009 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
43-047-38331	NATURAL BUTTES UNIT 764-32E		NWNW	32	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>AB</i>	99999	<i>2900</i>	4/30/2009		<i>5/19/09</i>		
Comments: <u>WASATCH</u> <i>BUKCY = WSTC = WSMVD</i>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-39860	NATURAL BUTTES UNIT 655-07E		NWSW	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>	5/1/2009		<i>5/19/09</i>		
Comments: <u>WASATCH = WSMVD</u>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-37272	CHAPITA WELLS UNIT 1138-19		NESE	19	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>C</i>	16598	13650	1/8/2008		4/1/2008 ✓		
Comments: <u>MESAVERDE</u> ✓ <i>5/19/09</i>							

**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)

Signature

Operations Clerk

Title

5/1/2009

Date

**RECEIVED**

**MAY 04 2009**

DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3142</b>
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2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 764-32E</b>
3. ADDRESS OF OPERATOR: <b>1060 East Highway 40 Vernal UT 84078</b>		9. API NUMBER: <b>43-047-38331</b>
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Spud</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The referenced well was spud on 4/30/2009.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>5/1/2009</u>

(This space for State use only)

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

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

FORM 9

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Spud</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Drilling operations are scheduled to begin on or about 6/15/2009.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>5/6/2009</u>

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**MAY 11 2009**

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

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		STATE: <b>UTAH</b>

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Drilling Operations</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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Drilling operations are scheduled to begin on or about 6/15/2009.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>5/13/2009</u>

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**MAY 18 2009**  
**DIV. OF OIL, GAS & MINING**

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

FORM 9

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	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

No activity has occurred since 5/13/2009.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>5/20/2009</u>

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**RECEIVED**  
**MAY 26 2009**

<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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 3142
	<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 764-32E
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047383310000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0875 FNL 0667 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S 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: 5/28/2009	<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 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: _____

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**  
 Please see the attached well chronology for the referenced well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 28, 2009

<b>NAME (PLEASE PRINT)</b> Kaylene Gardner	<b>PHONE NUMBER</b> 435 781-9111	<b>TITLE</b> Regulatory Administrator
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/28/2009	

# WELL CHRONOLOGY REPORT

Report Generated On: 05-28-2009

<b>Well Name</b>	NBU 764-32E	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	NATURAL BUTTES UNIT	<b>API #</b>	43-047-38331	<b>Well Class</b>	DRIL
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>		<b>Class Date</b>	
<b>Tax Credit</b>	N	<b>TVD / MD</b>	6,676/ 6,676	<b>Property #</b>	057870
<b>Water Depth</b>	0	<b>Last CSG</b>	9.625	<b>Shoe TVD / MD</b>	2,361/ 2,361
<b>KB / GL Elev</b>	4,954/ 4,941				
<b>Location</b>	Section 32, T9S, R21E, NWNW, 875 FNL & 667 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>	73.946716

<b>AFE No</b>	303721	<b>AFE Total</b>	1,170,965	<b>DHC / CWC</b>	553,365/ 617,600
<b>Rig Contr</b>	ELENBURG	<b>Rig Name</b>	ELENBURG #28	<b>Start Date</b>	06-28-2006
<b>06-28-2006</b>	<b>Reported By</b>	SHARON WHITLOCK			
<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 :</b>	0.0	<b>Perf :</b>	
		<b>PKR Depth :</b>	0.0		

**Activity at Report Time:** LOCATION DATA

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION DATA
			875' FNL & 667' FWL (NW/NW)
			SECTION 32, T9S, R21E
			UINTAH COUNTY, UTAH
			LAT 39.997336, LONG 109.582514 (NAD 83)
			LAT 39.595054, LONG 109.345457 (NAD 27)
			ELENBURG #28
			OBJECTIVE: 5100' TD, WASATCH
			DW/GAS
			NATURAL BUTTES PROSPECT
			DD&A: NATURAL BUTTES
			NATURAL BUTTES FIELD
			LEASE: ML 3142
			ELEVATION: 4943.5' NAT GL, 4941.1' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4941'), 4954' KB (13')
			EOG WI 100%, NRI 73.946716%
			EOG APO WI 66.67%, NRI 49.394976%



**04-30-2009**      **Reported By**                      TERRY CSERE/KENT DEVENPORT

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** SPUD NOTIFICATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC. RD APPROVAL. CRAIGS ROUSTABOUT SERVICE TO SPUD A 20" HOLE ON 4/30/09 @ 9:00 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 4/29/09 @ 8:27 AM.

**05-01-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** LOCATION BUILD

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC RD APPROVAL.

**05-04-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO/AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC ROAD APPROVAL.

**05-05-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	PUSHING IN ROAD AND INSTALLING CULVERT.

**05-06-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO AIR RIG

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

**05-25-2009**      **Reported By**      JESSE TATMAN

**Daily Costs: Drilling**      \$215,764      **Completion**      \$0      **Daily Total**      \$215,764

**Cum Costs: Drilling**      \$295,764      **Completion**      \$0      **Well Total**      \$295,764

**MD**      2,370      **TVD**      2,370      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

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

**Activity at Report Time:** WORT

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU CRAIG'S AIR RIG #3 ON 5/18/2009. DRILLED 12-1/4" HOLE TO 2357' GL (2370 KB). ENCOUNTERED NO WATER. AIR DRILLED TO TOTAL DEPTH, DISPLACED HOLE WITH FLUID BEFORE RUNNING CASING. WELL WAS DRILLED CLOSED LOOP, NO RESERVE PIT.

RAN 54 JTS (2348.70') 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 @ 2361.70' KB. RDMO CRAIGS RIG #.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 180 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED & PUMPED 250SX (183 BBLs) OF PREMIUM CEMENT W/ 0.2% VARSET & 2% CALSEAL & 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/179 BBLs FRESH WATER. BUMPED PLUG W/850 PSI @ 02:30, 5/22/2009 FLOATS HELD. FLUID RETURNS, NO CEMENT TO SURFACE. RUN 60' OF 1" PIPE, WAITING 4 HOURS TO START TOP JOB.

TOP JOB # 1: DOWN 60' OF 1" PIPE, MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. CEMENT TO SURFACE, FELL BACK, WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

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

CRAIGS RIG 3 TOOK 2 EACH SURVEYS WHILE DRILLING HOLE @ 1510' = 1.00 DEGREE & 2340' = 1.00 DEGREE.

KENT DEVENPORT NOTIFIED BLM VIA ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/20//2009 @ 09:00:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/20/2009 @ 08:00 AM.

<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> ML 3142
<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 764-32E
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047383310000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0875 FNL 0667 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S 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: 6/4/2009	<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 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: _____

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

Drilling operations began on 6/2/2009. Please see the attached well chronology for the referenced well.

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

**FOR RECORD ONLY**

June 08, 2009

<b>NAME (PLEASE PRINT)</b> Kaylene Gardner	<b>PHONE NUMBER</b> 435 781-9111	<b>TITLE</b> Regulatory Administrator
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/4/2009	

# WELL CHRONOLOGY REPORT

Report Generated On: 06-04-2009

<b>Well Name</b>	NBU 764-32E	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	NATURAL BUTTES UNIT	<b>API #</b>	43-047-38331	<b>Well Class</b>	DRIL
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	06-02-2009	<b>Class Date</b>	
<b>Tax Credit</b>	N	<b>TVD / MD</b>	6,676/ 6,676	<b>Property #</b>	057870
<b>Water Depth</b>	0	<b>Last CSG</b>	4.5	<b>Shoe TVD / MD</b>	6,676/ 6,676
<b>KB / GL Elev</b>	4,954/ 4,941				
<b>Location</b>	Section 32, T9S, R21E, NWNW, 875 FNL & 667 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>	73.947

<b>AFE No</b>	303721	<b>AFE Total</b>	1,170,965	<b>DHC / CWC</b>	553,365/ 617,600
<b>Rig Contr</b>	ELENBURG	<b>Rig Name</b>	ELENBURG #28	<b>Start Date</b>	06-28-2006
<b>06-28-2006</b>	<b>Reported By</b>	SHARON WHITLOCK			
<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
			875' FNL & 667' FWL (NW/NW)
			SECTION 32, T9S, R21E
			UINTAH COUNTY, UTAH
			LAT 39.997336, LONG 109.582514 (NAD 83)
			LAT 39.595054, LONG 109.345457 (NAD 27)
			ELENBURG #28
			OBJECTIVE: 5100' TD, WASATCH
			DW/GAS
			NATURAL BUTTES PROSPECT
			DD&A: NATURAL BUTTES
			NATURAL BUTTES FIELD
			LEASE: ML 3142
			ELEVATION: 4943.5' NAT GL, 4941.1' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4941'), 4954' KB (13')
			EOG WI 100%, NRI 73.946716%
			EOG APO WI 66.67%, NRI 49.394976%

**04-21-2009**      **Reported By**      TERRI CSERE

**DailyCosts: 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.

**04-24-2009**      **Reported By**      TERRI CSERE

**DailyCosts: 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 10% COMPLETE.

**04-27-2009**      **Reported By**      TERRI CSERE

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

**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 55% COMPLETE.

**04-28-2009**      **Reported By**      TERRY CSERE

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

**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:** BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 70% COMPLETE.

**04-29-2009**      **Reported By**      TERRY CSERE

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

**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 COMPLETE. NEED ACC. RD APPROVAL.

**04-30-2009**      **Reported By**                      TERRY CSERE/KENT DEVENPORT

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** SPUD NOTIFICATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC. RD APPROVAL. CRAIGS ROUSTABOUT SERVICE TO SPUD A 20" HOLE ON 4/30/09 @ 9:00 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 4/29/09 @ 8:27 AM.

**05-01-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** LOCATION BUILD

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC RD APPROVAL.

**05-04-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO/AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC ROAD APPROVAL.

**05-05-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	PUSHING IN ROAD AND INSTALLING CULVERT.

**05-06-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO AIR RIG

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

**05-25-2009**      **Reported By**                      JESSE TATMAN

**DailyCosts: Drilling**                      \$215,764                      **Completion**                      \$0                      **Daily Total**                      \$215,764

**Cum Costs: Drilling**                      \$295,764                      **Completion**                      \$0                      **Well Total**                      \$295,764

**MD**                      2,370      **TVD**                      2,370      **Progress**                      0      **Days**                      0      **MW**                      0.0      **Visc**                      0.0

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

**Activity at Report Time:** WORT

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU CRAIG'S AIR RIG #3 ON 5/18/2009. DRILLED 12-1/4" HOLE TO 2357' GL (2370 KB). ENCOUNTERED NO WATER. AIR DRILLED TO TOTAL DEPTH, DISPLACED HOLE WITH FLUID BEFORE RUNNING CASING. WELL WAS DRILLED CLOSED LOOP, NO RESERVE PIT.

RAN 54 JTS (2348.70') 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 @ 2361.70' KB. RDMO CRAIGS RIG #.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 180 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED & PUMPED 250SX (183 BBLs) OF PREMIUM CEMENT W/ 0.2% VARSET & 2% CALSEAL & 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/179 BBLs FRESH WATER. BUMPED PLUG W/850 PSI @ 02:30, 5/22/2009 FLOATS HELD. FLUID RETURNS, NO CEMENT TO SURFACE. RUN 60' OF 1" PIPE, WAITING 4 HOURS TO START TOP JOB.

TOP JOB # 1: DOWN 60' OF 1" PIPE, MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. CEMENT TO SURFACE, FELL BACK, WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

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

CRAIGS RIG 3 TOOK 2 EACH SURVEYS WHILE DRILLING HOLE @ 1510' = 1.00 DEGREE & 2340' = 1.00 DEGREE.

KENT DEVENPORT NOTIFIED BLM VIA ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/20//2009 @ 09:00:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/20/2009 @ 08:00 AM.

06-03-2009 Reported By BRIAN DUTTON

DailyCosts: Drilling \$81,124 Completion \$0 Daily Total \$81,124  
 Cum Costs: Drilling \$376,888 Completion \$0 Well Total \$376,888

MD 3,669 TVD 3,669 Progress 1,308 Days 1 MW 0.0 Visc 0.0

Formation : WASATCH PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: DRILLING @ 3669'.

Start	End	Hrs	Activity Description
06:00	11:00	5.0	HELD SAFETY MEETING W/RIG CREW & RIG MOVERS. MOVED RIG FROM NBU 760-36E, MOVE WAS 2.5 MILES. RURT RAISED DERRICK @ 0800 HRS 6/2/09. RELEASED TRUCKS @ 1100 HRS. NO ACCIDENTS. 5 MEN 25 MAN -HOURS. OLD LOCATION NBU 760-36E CLEAN & CLEARED OFF. TRANSFERRED 5 JTS(215.71) 4.5" 11.6# N-80 LTC CASING FROM NBU 760-36E. TRANSFERRED 1 MARKER (10.73' ) 4.5" 11.6# HCP-110 LTC FROM NBU 760-36E. TRANSFERRED 2586 GALS DIESEL TO NBU 760-36E.
11:00	14:00	3.0	NU BOPE.
14:00	17:30	3.5	RIG ACCEPTED FOR DAYWORK @ 1100 HRS 6/2/09 TESTED BOPE(PIPE RAMS, VALVES, MANIFOLD 250/5000 PSI, ANNULAR 250/2500 PSI TEN MINS) TEST CASING 1500 PSI FOR 30 MIN. NOTIFIED BLM VIA EMAIL @ 1330 6/1/09 OF BOP TEST TO BE PERFORMED 1400 HRS 6/2/09.
17:30	18:00	0.5	INSTALL WEAR BUSHING.
18:00	20:00	2.0	PU BHA, TRIP IN HOLE WITH BIT #1, TAGGED @ 2,314'.
20:00	20:30	0.5	DRILL CEMENT/FLOAT EQUIP. F/2,314' TO 2,361', DRILL 10' NEW HOLE TO 2,371'.
20:30	21:00	0.5	PERFORM FIT @ 2371' TO 11.0 PPG EMW (200 PSI W/9.4PPG MUD).
21:00	06:00	9.0	DRILLED 2,371' TO 3,669' (1,298' @ 144.2 FPH), WOB 10-20K, GPM 419, RPM 40-70/MOTOR 92, SPP 1750, DIFF. PRESS. 270/428 PSI, MUD WT. 9.5, VIS 32. DIESEL 4807 GALS (USED 579 GALS).  NO ACCIDENTS. FULL CREWS. SAFETY MEETING TOPIC- TESTING BOPE. FUNCTION COM FIRST CONN ON TOUR, ALL CREWS. BOP DRILL MORNING TOUR 75 SECONS TO SECURE WELL. Roger Falk and Otto Dick observing drilling operations
06:00			SPUD A 7 7/8" PRODUCTION HOLE @ 21:00 HRS 6/2/09.

06-04-2009 Reported By BRIAN DUTTON/JESSE TATMAN

DailyCosts: Drilling \$34,861 Completion \$0 Daily Total \$34,861  
 Cum Costs: Drilling \$411,749 Completion \$0 Well Total \$411,749

MD 5,820 TVD 5,820 Progress 2,151 Days 2 MW 10.2 Visc 36.0

Formation : WASATCH PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: DRILLING @ 5820'

Start	End	Hrs	Activity Description
06:00	10:30	4.5	DRILL ROTATE 3669' - 4349, 14-20K WOB, 70/90, 120 SPM, 409 GPM, 150-300 PSI DIFF, 151 FPH. MUD WT 9.6 PPG & 36 VIS.
10:30	11:00	0.5	SURVEY @ 4293' = 2 DEG.
11:00	06:00	19.0	DRILL ROTATE 4349' - 5820', 14-20K WOB, 70/90, 120 SPM, 409 GPM, 150-300 PSI DIFF, 77 FPH.

SAFETY MEETING ON SURVEYING & PUMP REPAIR.

WEATHER IS CLEAR & TEMP IS 51 DEG.

FULL CREWS & NO ACCIDENTS.

COM OK.

FUEL GAL.

FORMATION CHAPITA WELLS.

MUD WT 10.2 PPG & 33 VIS.

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<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> ML 3142
<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 764-32E
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047383310000
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078	<b>PHONE NUMBER:</b> 435 781-9111 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0875 FNL 0667 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S 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: 6/11/2009	<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 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: _____

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**  
 Completion operations are scheduled to begin on or about 6/30/2009.

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

<b>NAME (PLEASE PRINT)</b> Kaylene Gardner	<b>PHONE NUMBER</b> 435 781-9111	<b>TITLE</b> Regulatory Administrator
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/11/2009

<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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 3142
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	<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: 6/18/2009	<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 type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<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.

No activity has occurred since last submission on 6/11/2009, waiting on completion operations.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 22, 2009

<b>NAME (PLEASE PRINT)</b> Mickenzie Thacker	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/18/2009	

<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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 3142
	<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 764-32E
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.	<b>9. API NUMBER:</b> 43047383310000
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<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0875 FNL 0667 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S 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: 6/26/2009	<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 type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<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.**

No activity has occurred since last submission on 6/18/2009.

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

**FOR RECORD ONLY**

June 29, 2009

<b>NAME (PLEASE PRINT)</b> Mickenzie Thacker	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/26/2009	

<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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 3142
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 764-32E
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<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0875 FNL 0667 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S 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: 7/1/2009	<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 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: _____

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**  
 Completion operations for the referenced well began on 6/29/2009. Please see the attached well chronology.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 July 01, 2009

<b>NAME (PLEASE PRINT)</b> Mickenzie Thacker	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/1/2009	

# WELL CHRONOLOGY REPORT

Report Generated On: 07-01-2009

<b>Well Name</b>	NBU 764-32E	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	NATURAL BUTTES UNIT	<b>API #</b>	43-047-38331	<b>Well Class</b>	COMP
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	06-02-2009	<b>Class Date</b>	
<b>Tax Credit</b>	N	<b>TVD / MD</b>	6,676/ 6,676	<b>Property #</b>	057870
<b>Water Depth</b>	0	<b>Last CSG</b>	4.5	<b>Shoe TVD / MD</b>	6,660/ 6,660
<b>KB / GL Elev</b>	4,954/ 4,941				
<b>Location</b>	Section 32, T9S, R21E, NWNW, 875 FNL & 667 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>	73.947

<b>AFE No</b>	303721	<b>AFE Total</b>	1,170,965	<b>DHC / CWC</b>	553,365/ 617,600
<b>Rig Contr</b>	ELENBURG	<b>Rig Name</b>	ELENBURG #28	<b>Start Date</b>	06-28-2006
<b>06-28-2006</b>	<b>Reported By</b>	SHARON WHITLOCK			
<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
			875' FNL & 667' FWL (NW/NW)
			SECTION 32, T9S, R21E
			UINTAH COUNTY, UTAH
			LAT 39.997336, LONG 109.582514 (NAD 83)
			LAT 39.595054, LONG 109.345457 (NAD 27)
			ELENBURG #28
			OBJECTIVE: 5100' TD, WASATCH
			DW/GAS
			NATURAL BUTTES PROSPECT
			DD&A: NATURAL BUTTES
			NATURAL BUTTES FIELD
			LEASE: ML 3142
			ELEVATION: 4943.5' NAT GL, 4941.1' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4941'), 4954' KB (13')
			EOG WI 100%, NRI 73.946716%
			EOG APO WI 66.67%, NRI 49.394976%

04-21-2009 Reported By TERRI CSERE

DailyCosts: 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.

04-24-2009 Reported By TERRI CSERE

DailyCosts: 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 10% COMPLETE.

04-27-2009 Reported By TERRI CSERE

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

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 55% COMPLETE.

04-28-2009 Reported By TERRY CSERE

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

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: BUILD LOCATION

Start End Hrs Activity Description

06:00 06:00 24.0 LOCATION 70% COMPLETE.

04-29-2009 Reported By TERRY CSERE

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

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 COMPLETE. NEED ACC. RD APPROVAL.

**04-30-2009**      **Reported By**                      TERRY CSERE/KENT DEVENPORT

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** SPUD NOTIFICATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC. RD APPROVAL. CRAIGS ROUSTABOUT SERVICE SPUD A 20" HOLE ON 4/30/09 @ 9:00 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 4/29/09 @ 8:27 AM.

**05-01-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** LOCATION BUILD

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC RD APPROVAL.

**05-04-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO/AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE. NEED ACC ROAD APPROVAL.

**05-05-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	PUSHING IN ROAD AND INSTALLING CULVERT.

**05-06-2009**      **Reported By**                      TERRY CSERE

**DailyCosts: 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 :** WASATCH                      **PBTD :** 0.0    **Perf :**    **PKR Depth :** 0.0

**Activity at Report Time:** WO AIR RIG

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

**05-25-2009**      **Reported By**      JESSE TATMAN

**DailyCosts: Drilling**      \$208,396      **Completion**      \$0      **Daily Total**      \$208,396

**Cum Costs: Drilling**      \$288,396      **Completion**      \$0      **Well Total**      \$288,396

**MD**      2,370      **TVD**      2,370      **Progress**      0      **Days**      0      **MW**      0.0      **Visc**      0.0

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

**Activity at Report Time:** WORT

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU CRAIG'S AIR RIG #3 ON 5/18/2009. DRILLED 12-1/4" HOLE TO 2357' GL (2370 KB). ENCOUNTERED NO WATER. AIR DRILLED TO TOTAL DEPTH, DISPLACED HOLE WITH FLUID BEFORE RUNNING CASING. WELL WAS DRILLED CLOSED LOOP, NO RESERVE PIT.

RAN 54 JTS (2348.70') 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 @ 2361.70' KB. RDMO CRAIGS RIG #.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 180 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED & PUMPED 250SX (183 BBLs) OF PREMIUM CEMENT W/ 0.2% VARSET & 2% CALSEAL & 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/179 BBLs FRESH WATER. BUMPED PLUG W/850 PSI @ 02:30, 5/22/2009 FLOATS HELD. FLUID RETURNS, NO CEMENT TO SURFACE. RUN 60' OF 1" PIPE, WAITING 4 HOURS TO START TOP JOB.

TOP JOB # 1: DOWN 60' OF 1" PIPE, MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. CEMENT TO SURFACE, FELL BACK, WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 50 SX (10.5 BBLs) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. GOOD RETURNS, CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

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

CRAIGS RIG 3 TOOK 2 EACH SURVEYS WHILE DRILLING HOLE @ 1510' = 1.00 DEGREE & 2340' = 1.00 DEGREE.

KENT DEVENPORT NOTIFIED BLM VIA ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/20//2009 @ 09:00:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/20/2009 @ 08:00 AM.

06-03-2009 Reported By BRIAN DUTTON

DailyCosts: Drilling \$81,124 Completion \$0 Daily Total \$81,124  
 Cum Costs: Drilling \$369,520 Completion \$0 Well Total \$369,520

MD 3,669 TVD 3,669 Progress 1,308 Days 1 MW 0.0 Visc 0.0  
 Formation : WASATCH PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: DRILLING @ 3669'

Start	End	Hrs	Activity Description
06:00	11:00	5.0	HELD SAFETY MEETING W/RIG CREW & RIG MOVERS. MOVED RIG FROM NBU 760-36E, MOVE WAS 2.5 MILES. RURT RAISED DERRICK @ 0800 HRS 6/2/09. RELEASED TRUCKS @ 1100 HRS. NO ACCIDENTS. 5 MEN 25 MAN -HOURS. OLD LOCATION NBU 760-36E CLEAN & CLEARED OFF. TRANSFERRED 5 JTS(215.71) 4.5" 11.6# N-80 LTC CASING FROM NBU 760-36E. TRANSFERRED 1 MARKER (10.73' ) 4.5" 11.6# HCP-110 LTC FROM NBU 760-36E. TRANSFERRED 2586 GALS DIESEL TO NBU 760-36E.
11:00	14:00	3.0	NU BOPE.
14:00	17:30	3.5	RIG ACCEPTED FOR DAYWORK @ 1100 HRS 6/2/09 TESTED BOPE(PIPE RAMS, VALVES, MANIFOLD 250/5000 PSI, ANNULAR 250/2500 PSI TEN MINS) TEST CASING 1500 PSI FOR 30 MIN. NOTIFIED BLM VIA EMAIL @ 1330 6/1/09 OF BOP TEST TO BE PERFORMED 1400 HRS 6/2/09.
17:30	18:00	0.5	INSTALL WEAR BUSHING.
18:00	20:00	2.0	PU BHA, TRIP IN HOLE WITH BIT #1, TAGGED @ 2,314'.
20:00	20:30	0.5	DRILL CEMENT/FLOAT EQUIP. F/2,314' TO 2,361', DRILL 10' NEW HOLE TO 2,371'.
20:30	21:00	0.5	PERFORM FIT @ 2371' TO 11.0 PPG EMW (200 PSI W/9.4PPG MUD).
21:00	06:00	9.0	DRILLED 2,371' TO 3,669' (1,298' @ 144.2 FPH), WOB 10-20K, GPM 419, RPM 40-70/MOTOR 92, SPP 1750, DIFF. PRESS. 270/428 PSI, MUD WT. 9.5, VIS 32. DIESEL 4807 GALS (USED 579 GALS).  NO ACCIDENTS. FULL CREWS. SAFETY MEETING TOPIC- TESTING BOPE. FUNCTION COM FIRST CONN ON TOUR, ALL CREWS. BOP DRILL MORNING TOUR 75 SECONS TO SECURE WELL. Roger Falk and Otto Dick observing drilling operations
06:00			SPUD A 7 7/8" PRODUCTION HOLE @ 21:00 HRS 6/2/09.

06-04-2009 Reported By BRIAN DUTTON/JESSE TATMAN

DailyCosts: Drilling \$34,861 Completion \$0 Daily Total \$34,861  
 Cum Costs: Drilling \$404,381 Completion \$0 Well Total \$404,381

MD 5,820 TVD 5,820 Progress 2,151 Days 2 MW 10.2 Visc 36.0  
 Formation : WASATCH PBTB : 0.0 Perf : PKR Depth : 0.0

Activity at Report Time: DRILLING @ 5820'

Start	End	Hrs	Activity Description
06:00	10:30	4.5	DRILL ROTATE 3669' - 4349, 14-20K WOB, 70/90, 120 SPM, 409 GPM, 150-300 PSI DIFF, 151 FPH. MUD WT 9.6 PPG & 36 VIS.
10:30	11:00	0.5	SURVEY @ 4293' = 2 DEG.
11:00	06:00	19.0	DRILL ROTATE 4349' - 5820', 14-20K WOB, 70/90, 120 SPM, 409 GPM, 150-300 PSI DIFF, 77 FPH.

SAFETY MEETING ON SURVEYING & PUMP REPAIR.  
 WEATHER IS CLEAR & TEMP IS 51 DEG.  
 FULL CREWS & NO ACCIDENTS.  
 COM OK.  
 FUEL GAL.  
 FORMATION CHAPITA WELLS.  
 MUD WT 10.2 PPG & 33 VIS.

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<b>06-05-2009</b>	<b>Reported By</b>	JESSE TATMAN									
<b>DailyCosts: Drilling</b>	\$25,406	<b>Completion</b>	\$0	<b>Daily Total</b>	\$25,406						
<b>Cum Costs: Drilling</b>	\$429,788	<b>Completion</b>	\$0	<b>Well Total</b>	\$429,788						
<b>MD</b>	6,676	<b>TVD</b>	6,676	<b>Progress</b>	856	<b>Days</b>	3	<b>MW</b>	9.7	<b>Visc</b>	36.0
<b>Formation :</b>	WASATCH	<b>PBTD :</b>	0.0	<b>Perf :</b>		<b>PKR Depth :</b>	0.0				
<b>Activity at Report Time:</b> LD DP											

Start	End	Hrs	Activity Description
06:00	15:00	9.0	DRILL ROTATE 5820' - 6298', 14-22K WOB, 70/90, 120 SPM, 409 GPM, 150-300 PSI DIFF, 53 FPH. MUD WT 10.4 & 36 VIS.
15:00	15:30	0.5	SERVICE RIG.
15:30	20:00	4.5	DRILL ROTATE 6298' - 6676', 14-22K WOB, 70/90, 120 SPM, 409 GPM, 150-300 PSI DIFF, 84 FPH. MUD WT 10.6 & 36 VIS. REACHED TD @ 20:00 HRS, 6/4/09.
20:00	22:00	2.0	CIRCULATE FOR SHORT TRIP.
22:00	23:30	1.5	WIPER TRIP, SHORT TRIP 20 JOINTS.
23:30	01:30	2.0	CIRCULATE FOR LAYING DOWN DRILL STRING.
01:30	02:00	0.5	SPOT 160 BBLs OF 12.5 PPG MUD ON BOTTOM. TOP OF PILL WITHOUT DP 4643'.
02:00	06:00	4.0	LAYDOWN DRILL STRING & WORK TIGHT HOLE WHILE LAYING DOWN PIPE F/4128' - 3117'. SAFETY MEETING ON LOADING PIPE RACKS & TRIPPING OUT OF HOLE. WEATHER IS CLEAR & TEMP IS 56 DEG.  FULL CREWS & NO ACCIDENTS. COM OK. FUEL 1816 GAL. FORMATION BUCK CANYON. MUD WT 10.6 PPG & 36 VIS.

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<b>06-06-2009</b>	<b>Reported By</b>	JESSE TATMAN									
<b>DailyCosts: Drilling</b>	\$56,574	<b>Completion</b>	\$124,988	<b>Daily Total</b>	\$181,563						
<b>Cum Costs: Drilling</b>	\$486,363	<b>Completion</b>	\$124,988	<b>Well Total</b>	\$611,351						
<b>MD</b>	6,676	<b>TVD</b>	6,676	<b>Progress</b>	0	<b>Days</b>	4	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	WASATCH	<b>PBTD :</b>	0.0	<b>Perf :</b>		<b>PKR Depth :</b>	0.0				
<b>Activity at Report Time:</b> RDRT/WO COMPLETION											
Start	End	Hrs	Activity Description								
06:00	07:30	1.5	LAYDOWN DRILL STRING.								

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07:30 08:00 0.5 PULL WEAR BUSHING.

08:00 09:00 1.0 RIG UP CASING CREW & HOLD SAFETY MEETING ON RUNNING CASING.

09:00 14:30 5.5 RAN 156 FULL JOINTS + 2 MARKER JOINTS OF 4.5", 11.6#, N-80, LT&C CASING AS FOLLOWS: 1 HALLIBURTON FLOAT SHOE SET @ 6660', 1 JOINT OF CASING, 1 HALLIBURTON FLOAT COLLAR SET @ 6616', 16 JOINTS OF CASING, 1- 21' MARKER JOINT SET @ 5915' - 5937', 42 JOINTS OF CASING & 1- 10' MARKER JOINT SET @ 4127' - 4138', 97 JOINTS OF CASING & 1 CASING HANGER ASSEMBLY. RUN 15 TOTAL CENTRALIZERS AS FOLLOWS, 5' ABOVE SHOE ON JOINT #1 & ON TOP OF JOINT #2, THEN EVERY 2ND JOINT TO JOINT #28 @ 5450'. CONFIRMED TD WITH CASING, TAGGING AT 6676' WITH JOINT #157. SET CASING IN MANDREL HANGER WITH FULL STRING WEIGHT. (60,000# WITHOUT BLOCK WEIGHT).

14:30 16:00 1.5 CIRCULATE FOR CEMENT AND HOLD SAFETY MEETING ON CEMENTING.

16:00 18:00 2.0 RIGGED UP CEMENT HEAD, PRESSURE TESTED LINES TO 5000 PSI & CEMENT 4 1/2" PRODUCTION CASING AS FOLLOWS: PUMPED 20 BBLS MUD FLUSH SPACER. PUMPED 10 BBLS FRESH WATER SPACER, PUMPED 440 SACKS (144 BBLS) OF Highbond 75 Premium - Class G CEMENT WITH 2% Bentonite, 2 Microbond, .3% Versaset @ 12.00 PPG, 1.837 CFPS, 9.863 GPS FRESH WATER. PUMPED LEAD CEMENT @ 4 BPM & 750 PSI. PUMPED 680 SACKS (177 BBLS) EXTENDACEM (TM) SYSTEM Premium - Class G CEMENT WITH .125 LBM/SK POLY-E-FLAKE (LOST CIRCULATION ADDITIVE), 2% Bentonite, .75% HALAD (R)-322, 3% POTASSIUM CHLORIDE-KCL, 3 LBM SILICATE - COMPACTED, .2% WG-17, 13.50 PPG, 1.47 CFPS, 6.98 GPS FRESH WATER. PUMPED TAIL CEMENT @ 5 BPM & 136 PSI. DISPLACED WITH TOTAL OF 102 BBLS FRESH WATER. FIRST 92 BBLS DISPLACEMENT @ 6 BPM & 250-2100 PSI, 10 BBLS SHY OF BUMPING PLUG, REDUCED DISPLACEMENT RATE TO 2 BPM & 1850 PSI. BUMPED PLUG WITH 2850 PSI @ 17:50 HOURS ON 06/05/2009. CHECKED FLOATS & FLOATS HELD. FULL RETURNS & NO CEMENT TO SURFACE.

18:00 19:00 1.0 RIG DOWN CEMENTERS. LEAVE CEMENT HEAD ON CASING WITH GAUGE INSTALLED HOLDING PRESSURE @ 50 PSI FOR 1 HOUR.

19:00 20:00 1.0 BACK OUT LANDING JOINT, SET PACKOFF & TEST TO 5000 PSI FOR 15 MIN.

20:00 23:30 3.5 NIPPLE DOWN B.O.P, CLEAN MUD TANKS & RIG DOWN.

23:30 06:00 6.5 RIG DOWN.

SAFETY MEETING ON RUNNING CASING & CEMENTING.  
 FULL CREWS & NO ACCIDENTS.  
 COM OK.  
 TRANSFER 1643 GAL OF DIESEL FUEL @ \$2.04/GAL TO NBU 653-07E.  
 TRANSFER 9 JOINTS 385.31' OF 4.5" N-80, 11.6#, LTC CASING TO NBU 653-07E.  
 MOVING RIG 4.3 MILES TO NBU 653-07E  
 TRUCKS SCHEDULED FOR 06/06/2009.

06:00 RIG RELEASED @ 23:30 HRS, 06/05/2009.  
 CASING POINT COST \$466,937

<b>06-09-2009</b>		<b>Reported By</b>	SEARLE								
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$36,300	<b>Daily Total</b>	\$36,300						
<b>Cum Costs: Drilling</b>	\$486,363	<b>Completion</b>	\$161,288	<b>Well Total</b>	\$647,651						
<b>MD</b>	6,676	<b>TVD</b>	6,676	<b>Progress</b>	0	<b>Days</b>	5	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD :</b> 6616.0			<b>Perf :</b>	<b>PKR Depth :</b> 0.0						
<b>Activity at Report Time:</b> PREP FOR FRACS											
<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>								
06:00			MIRU SCHLUMBERGER WIRELINE. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 380'. EST CEMENT TOP @ 600'. RDWL.								

06-27-2009 Reported By MCCURDY

DailyCosts: Drilling \$0 Completion \$1,388 Daily Total \$1,388

Cum Costs: Drilling \$486,363 Completion \$162,676 Well Total \$649,039

MD 6,676 TVD 6,676 Progress 0 Days 5 MW 0.0 Visc 0.0

Formation : PBTB : 0.0 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.

06-30-2009 Reported By MCCURDY

DailyCosts: Drilling \$0 Completion \$8,755 Daily Total \$8,755

Cum Costs: Drilling \$486,363 Completion \$171,431 Well Total \$657,794

MD 6,676 TVD 6,676 Progress 0 Days 6 MW 0.0 Visc 0.0

Formation : WASATCH PBTB : 0.0 Perf : 6035'-6508' PKR Depth : 0.0

Activity at Report Time: FRAC

Start	End	Hrs	Activity Description
06:00	06:00	24.0	RU CUTTERS WIRELINE & PERFORATE Ca/Ba FROM 6230'-31', 6291'-92', 6340'-41', 6349'-50', 6363'-65', 6387'-89', 6400'-01', 6412'-13', 6441'-42', 6507'-08' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 29496 GAL 16# LINEAR W/41100# 20/40 SAND @ 1-2 PPG, 9856 GAL 16# DELTA 140 W/29600# 20/40 SAND @ 3 PPG. MTP 5454 PSIG. MTR 50.3 BPM. ATP 4217 PSIG. ATR 49.8 BPM. ISIP 2336 PSIG. RD HALLIBURTON.
			RUWL. SET 6K CFP AT 6100'. PERFORATE Ca FROM 6035'-37', 6043'-47', 6050'-52', 6059'-61', 6072'-74' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 22181 GAL 16# DELTA 140 W/84800# 20/40 SAND @ 4 PPG. MTP 4331 PSIG. MTR 50.9 BPM. ATP 3937 PSIG. ATR 49.8 BPM. ISIP 2526 PSIG. RD HALLIBURTON. SDFN.

07-01-2009 Reported By MCCURDY

DailyCosts: Drilling \$0 Completion \$82,337 Daily Total \$82,337

Cum Costs: Drilling \$486,363 Completion \$253,769 Well Total \$740,132

MD 6,676 TVD 6,676 Progress 0 Days 7 MW 0.0 Visc 0.0

Formation : WASATCH PBTB : 0.0 Perf : 5515'-6508' PKR Depth : 0.0

Activity at Report Time: PREP TO MIRUSU

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SICP 1318 PSIG. RUWL. SET 6K CFP AT 5810'. PERFORATE Pp/Ca FROM 5515'-16', 5615'-16', 5674'-75', 5681'-84', 5687'-88', 5755'-56', 5762'-65', 5768'-69' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 35733 GAL 16# DELTA 140 W/124900# 20/40 SAND @ 3-4 PPG. MTP 4396 PSIG. MTR 51.8 BPM. ATP 3695 PSIG. ATR 49.7 BPM. ISIP 2536 PSIG. RD HALLIBURTON.
			RUWL. SET 6K CBP AT 5224'. RD CUTTERS WIRELINE.

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3142</b>
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>Natural Buttes</b>
2. NAME OF OPERATOR: <b>EOG RESOURCES, INC.</b>		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 764-32E</b>
3. ADDRESS OF OPERATOR: <b>1060 EAST HWY 40 CITY VERNAL STATE UT ZIP 84078</b>		9. API NUMBER: <b>43-047-38331</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>875' FNL &amp; 667' FWL 39.997336 Lat 109.582514 Lon</b> AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>SAME</b> AT TOTAL DEPTH: <b>SAME</b>		10. FIELD AND POOL, OR WILDCAT <b>Natural Buttes</b>
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S 21E S</b>
		12. COUNTY <b>Uintah</b>
		13. STATE <b>UTAH</b>

14. DATE SPUDED: <b>4/30/2009</b>	15. DATE T.D. REACHED: <b>6/4/2009</b>	16. DATE COMPLETED: <b>7/13/2009</b>	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): <b>4944' GL</b>
--------------------------------------	---	---	---	--

18. TOTAL DEPTH: MD <b>6,676</b> TVD	19. PLUG BACK T.D.: MD <b>6,616</b> TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD PLUG SET: TVD
---	--	--	--------------------------------------

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) <b>RST/CBL/CCL/VDL/GR</b>	23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)
--	---

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J-55	36.0	0	2,362		650		0	
7.875	4.5 N-80	11.6	0	6,660		1120		600	

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	5,492							

**26. PRODUCING INTERVALS** *P2 WSMVD*

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	5,515	6,508			6,230 6,508		3/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6,035 6,074		3/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					5,515 5,769		3/SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6230-6508	39,394 GALS OF GELLED WATER & 70,700# 20/40 SAND
6035-6074	22,223 GALS OF GELLED WATER & 84,800# 20/40 SAND
5515-5769	35,775 GALS OF GELLED WATER & 124,900# 20/40 SAND

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____	<input type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS: <b>PRODUCING</b>
---	--	--	---	--------------------------------------

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**AUG 20 2009**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 7/13/2009		TEST DATE: 7/16/2009		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 9	GAS - MCF: 432	WATER - BBL: 95	PROD. METHOD: Flows
CHOKE SIZE: 12/64	TBG. PRESS. 1,050	CSG. PRESS. 1,520	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 9	GAS - MCF: 432	WATER - BBL: 95	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch	5,515	6,508		Green River	1,367
				Birds Nest Zone	1,760
				Mahogany	2,349
				Uteland Butte	4,857
				Wasatch	4,992
				Chapita Wells	5,664
				Buck Canyon	6,354

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Mickenzie Thacker TITLE Operations Clerk  
 SIGNATURE *Mickenzie Thacker* DATE 8/17/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

***Natural Buttes Unit 764-32E*** - ADDITIONAL REMARKS (CONTINUED):

Perforated the Ca/Ba from 6230'-31', 6291'-92', 6340'-41', 6349'-50', 6363'-65', 6387'-89', 6400'-01', 6412'-13', 6441'-42', 6507'-08' w/ 3 spf.

Perforated the Ca from 6035'-37', 6043'-47', 6050'-52', 6059'-61', 6072'-74' w/ 3 spf.

Perforated the Pp/Ca from 5515'-16', 5615'-16', 5674'-75', 5681'-84', 5687'-88', 5755'-56', 5762'-65', 5768'-69' w/ 3 spf.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3142</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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>Natural Buttes</b>
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 764-32E</b>
3. ADDRESS OF OPERATOR: <b>600 17th St., Suite 1000N</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>43-047-38331</b>
PHONE NUMBER: <b>(303) 824-5526</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>875' FNL &amp; 667' FWL 39.997336 LAT 109.582514 LON</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S 21E S.L.B. &amp; M.</b>		STATE: <b>UTAH</b>

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

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

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

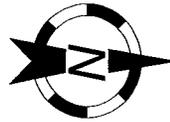
Attached please find a site facility diagram for the referenced well.

NAME (PLEASE PRINT) <u>Mary A. Maestas</u>	TITLE <u>Regulatory Assistant</u>
SIGNATURE <u>Mary A. Maestas</u>	DATE <u>9/16/2009</u>

(This space for State use only)

**RECEIVED**  
**SEP 21 2009**

# Geogresources Site Facility Diagram



Well Name: NATURAL BUTTES UNIT 764-32E

1/4 1/4: NW/NW Sec: 32 T: 9S R: 21E

County: UINTAH State: UTAH

Lease: ML-3142

UNIT PA#: 891008900A

Site facility diagrams & site security plans are located at the Vernal office in Vernal, Utah. The office is located at 1060 East Hwy 40 and normal business hours are 7:00 a.m. to 4:30 p.m. Mon -Thurs and 7:00 a.m. to 1:00 p.m. Fridays.

Valve	Production Phase	Sales Phase	Water Drain
PV	O	SC	SC
LV	SC	O	SC
WD	SC	SC	O

DATED 9/16/2009

## Abbreviations

AM = Allocation Meter  
 AR = Access Road  
 CHT = Chemical Tank  
 COMP = Compressor  
 CON = Condensor  
 CT = Condensate Tank  
 DL = Dump Line  
 EP = Electrical Panel  
 ET = Emergency Tank  
 FW = Firewall  
 LACT = LACT Unit  
 LH = Line Heater  
 LV = Load Valve  
 MAN = Manifold  
 MB = Methanol Bath  
 O = Open  
 PL = Production Line  
 PP = Power Pole  
 PT = Propane Tank  
 PU = Pumping Unit  
 PV = Production Valve  
 PW = Produced Water  
 RL = Recycle Line  
 RP = Recycle Pump  
 RV = Recycle Valve  
 SC = Sealed Closed  
 SGS = Sales Gas Scrubber  
 SL = Sales Line  
 SM = Sales Meter  
 SO = Sealed Open  
 SP = Separator  
 SV = Sales Valve  
 T = Treater  
 TP = Trace Pump  
 WD = Water Drain  
 WDP = Water Disposal Pump  
 WFP = Water Flood Pump  
 WH = Wellhead

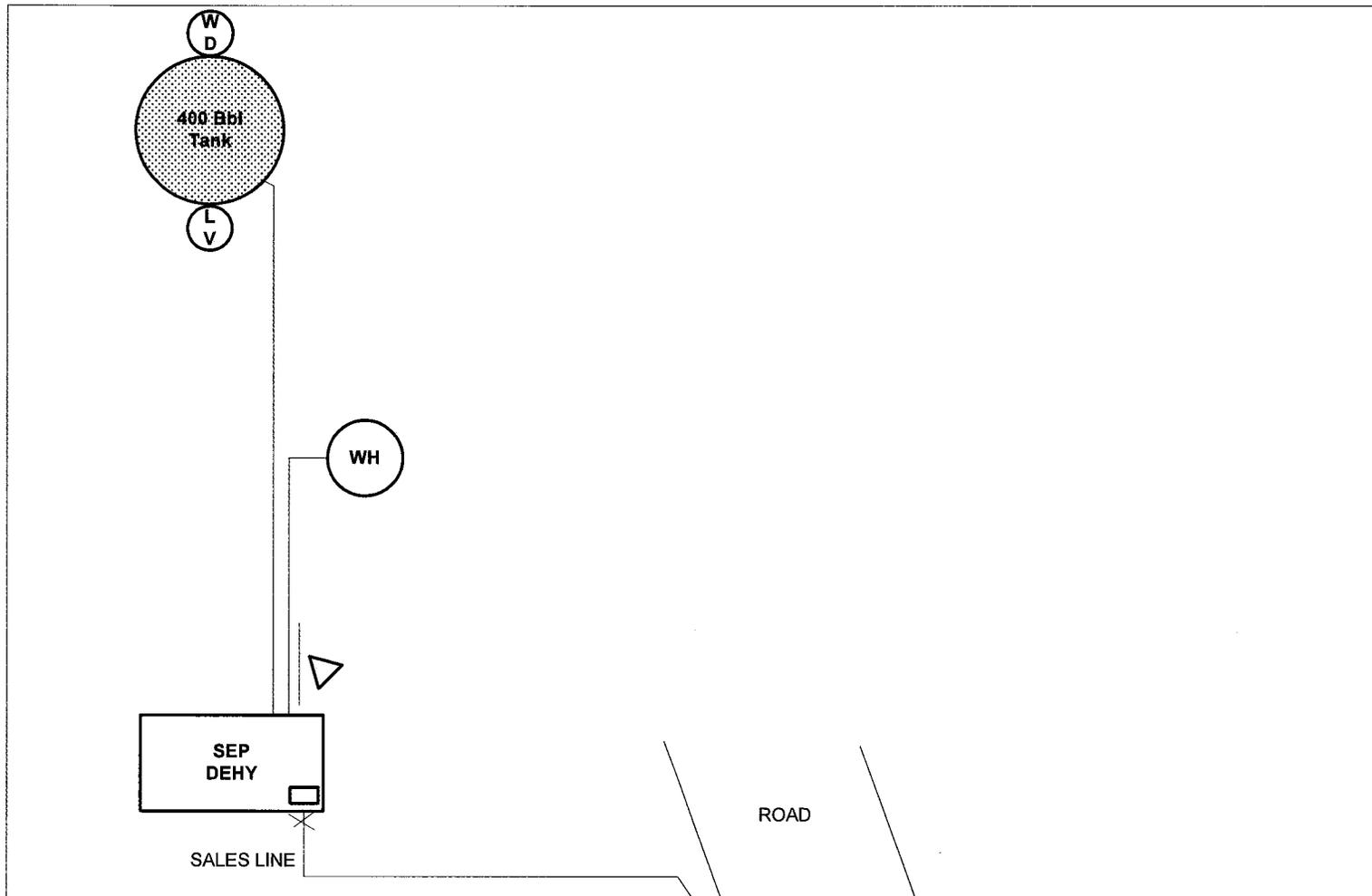
———— = Buried Line  
 ———— = Unburied Line

◁ = Meter Display

◻ = Meter Tube

○ = Production Valve

× = Valve



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

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

Designation of Agent/Operator  
 Merger

**ROUTING**

1. DJJ
2. CDW

The operator of the well(s) listed below has changed, effective: **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.			Unit:		NATURAL BUTTES		
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 764-32E	32	090S	210E	4304738331	2900	State	GW	P
NBU 691-29E	29	090S	220E	4304750027	2900	State	GW	P
NBU 359-13E	13	100S	200E	4304750032	OK 2900	Federal	GW	P 9/8/ file

**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
- 6a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 6b. 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: 8/24/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/24/2009
- Bond information entered in RBDMS on: 8/24/2009
- Fee/State wells attached to bond in RBDMS on: 8/24/2009
- Injection Projects to new operator in RBDMS on: n/a

**BOND VERIFICATION:**

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

**COMMENTS:**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

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

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
EOG Resources, Inc

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

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

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

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

8. Well Name and No.  
Multiple Wells

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area  
Natural Buttes

11. Country or Parish, State  
Utah, Utah

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

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

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

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

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

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

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

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

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

Name (Printed/Typed)  
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature [Signature] Date 12/17/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE** **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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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> ML 3142
<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 764-32E	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047383310000	
<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> 0875 FNL 0667 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S 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: 4/4/2011	<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: 50px;" 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 04/04/2011.		
<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> 5/3/2011	