

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> NBU 665-24E
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES
<b>4. TYPE OF WELL</b> Gas Well Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES
<b>6. NAME OF OPERATOR</b> EOG Resources, Inc.		<b>7. OPERATOR PHONE</b> 435 781-9111
<b>8. ADDRESS OF OPERATOR</b> 1060 East Highway 40, Vernal, UT, 84078		<b>9. OPERATOR E-MAIL</b> kaylene_gardner@eogresources.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML-22790	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> S
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>
<b>18. INTEND TO COMMINGLE PRODUCTION DOWNSTREAM</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1950 FSL 660 FEL	NESE	24	10.0 S	20.0 E	S
Top of Uppermost Producing Zone	1950 FSL 660 FEL	NESE	24	10.0 S	20.0 E	S
At Total Depth	1950 FSL 660 FEL	NESE	24	10.0 S	20.0 E	S

<b>21. COUNTY</b> UINTAH	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 660	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 440
	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 2680	<b>26. PROPOSED DEPTH</b> MD: 7237 TVD: 7237
<b>27. ELEVATION - GROUND LEVEL</b> 5234	<b>28. BOND NUMBER</b> 6196017	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 49-225 (A31368)

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE 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 type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Mary Maestas	<b>TITLE</b> Regulatory Assistant	<b>PHONE</b> 303 824-5526
<b>SIGNATURE</b>	<b>DATE</b> 12/04/2007	<b>EMAIL</b> mary_maestas@eogresources.com

API NUMBER ASSIGNED 43047500180000

APPROVAL

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 06-18-08  
By: [Signature]

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

R  
20  
E

EOG RESOURCES, INC.

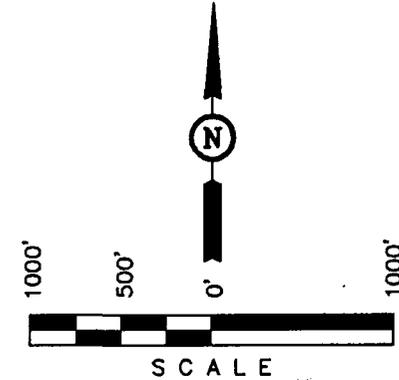
Well location, NBU #665-24E, located as shown in the NE 1/4 SE 1/4 of Section 24, T10S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

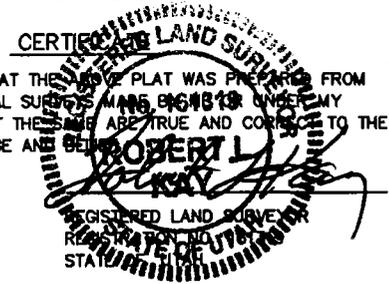
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING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

BASIS OF BEARINGS

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

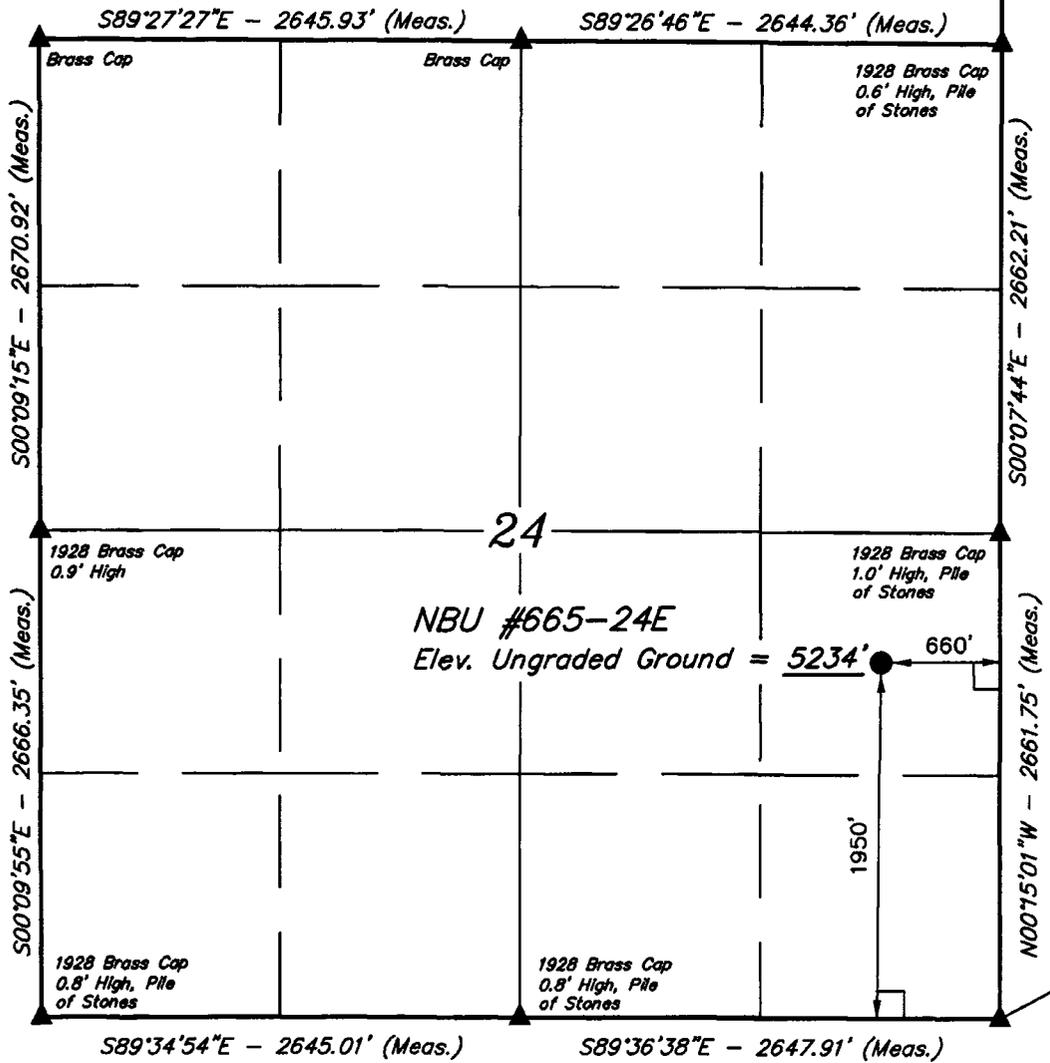


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



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

SCALE 1" = 1000'	DATE SURVEYED: 10-16-07	DATE DRAWN: 10-19-07
PARTY A.F. B.A. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EOG RESOURCES, INC.	



LEGEND:

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

(NAD 83)  
 LATITUDE = 39°55'52.37" (39.931214)  
 LONGITUDE = 109°36'23.64" (109.606567)  
 (NAD 27)  
 LATITUDE = 39°55'52.50" (39.931250)  
 LONGITUDE = 109°36'21.16" (109.605878)

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Cond	17.5	13.375	0	45		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	H-40	45	48.0			
	<b>Cement Interval</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>			
		0	45			
		<b>Cement Description</b>	<b>Class</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
			C	0	0.0	0.0

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	9.625	0	2300		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	J-55	2300	36.0			
	<b>Cement Interval</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>			
		0	2300			
		<b>Cement Description</b>	<b>Class</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
			G	185	3.82	11.0
			G	207	1.18	15.6

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	4.5	0	7237		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	N-80	7237	11.6			
	<b>Cement Interval</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>			
		0	7237			
		<b>Cement Description</b>	<b>Class</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
			G	122	3.91	11.0
			G	575	1.28	14.1



## **EIGHT POINT PLAN**

### **NATURAL BUTTES UNIT 665-24E NE/SE, SEC. 24, T10S, R20E, S.L.B.&M.. UINTAH COUNTY, UTAH**

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

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

Guide Shoe

Insert Float Collar (PDC drillable)

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

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

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

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

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

Air/air mist or aerated water.

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

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

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

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

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

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 665-24E**  
**NE/SE, SEC. 24, T10S, R20E, S.L.B.&M.,**  
**UINTAH COUNTY, UTAH**

**8. EVALUATION PROGRAM:**

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

**9. CEMENT PROGRAM:**

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

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

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

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

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

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

**Lead:** 122 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:** 575 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13  
(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at  
14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

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

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

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 665-24E**  
**NE/SE, SEC. 24, T10S, R20E, S.L.B.&M.,**  
**UINTAH COUNTY, UTAH**

**10. ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 2300'±):**

Lost circulation

**Production Hole (2300'± - TD):**

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

**11. STANDARD REQUIRED EQUIPMENT:**

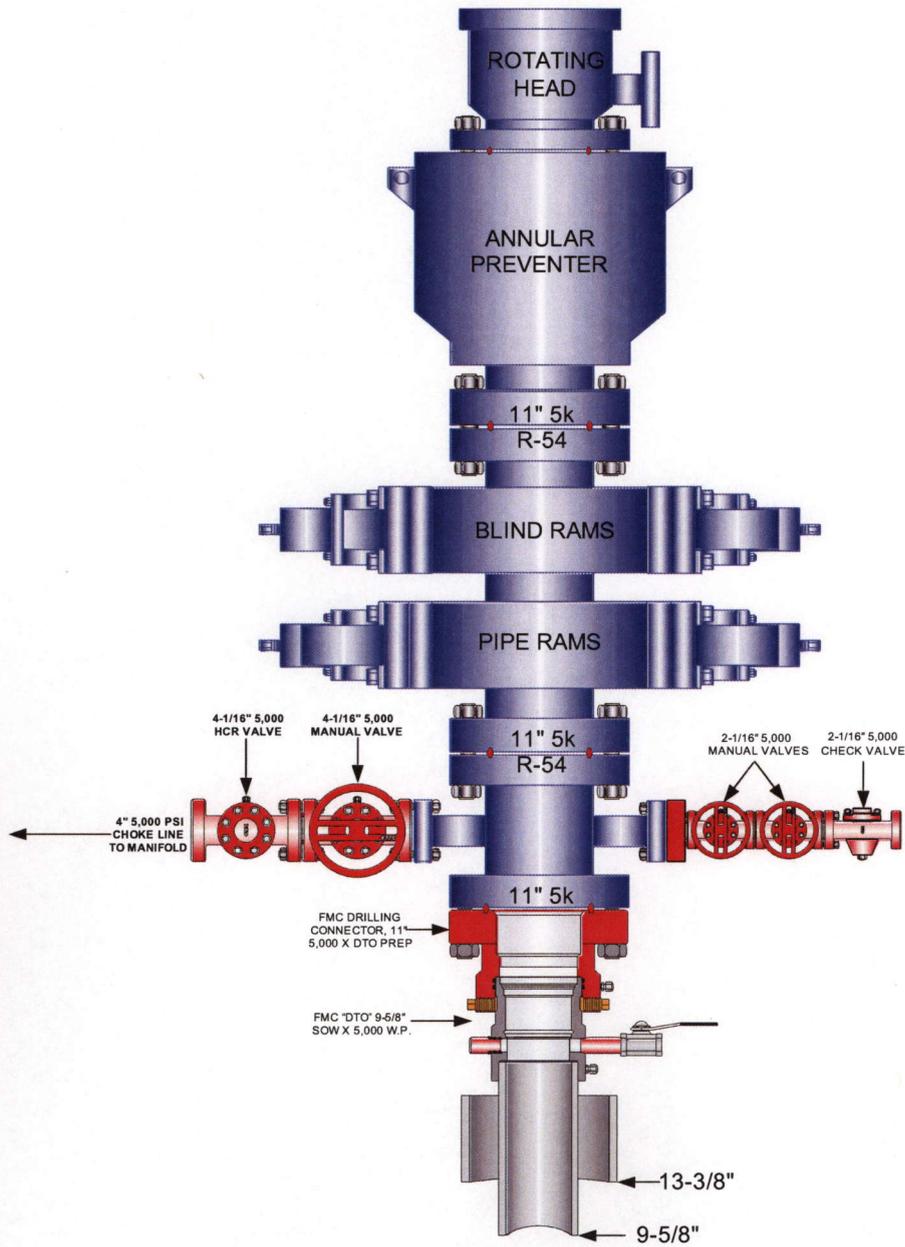
- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**12. HAZARDOUS CHEMICALS:**

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

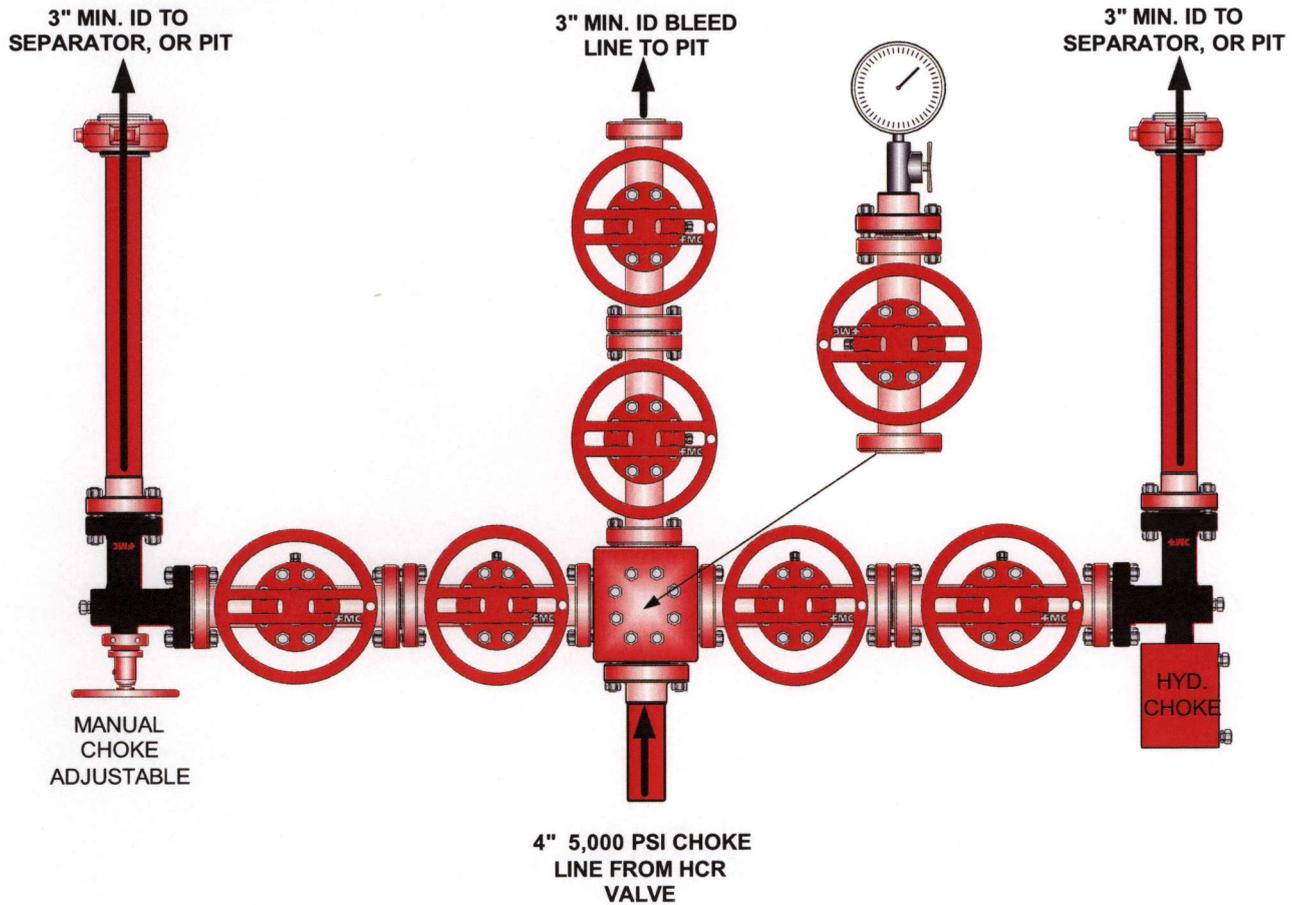
(Attachment: BOP Schematic Diagram)

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



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

PAGE 2 OF 2



**Testing Procedure:**

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



**Natural Buttes Unit 665-24E  
NESE, Section 24, T10S, R20E  
Uintah County, Utah**

**SURFACE USE PLAN**

**1. EXISTING ROADS:**

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 45.6 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 528' in length. See attached Topo B.
- B. The access road has a 40-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 40-foot permanent right-of-way is requested. No surfacing material will be used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

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

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

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

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

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

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

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

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

**A. On Well Pad**

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

**B. Off Well Pad**

1. Proposed pipeline will transport natural gas.
2. The pipeline will be a permanent feeder line.
3. The length of the proposed pipeline is 1405' x 40'. The proposed pipeline leaves the northern edge of the well pad (Lease ML-22790) proceeding in a southeasterly, then southwesterly direction for an approximate distance of 1405' tying into an existing pipeline in the SESE of Section 24, T10S, R20E. Pipe will

be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
5. Proposed pipeline will be laid on surface.
6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

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

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

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

**6. SOURCE OF CONSTRUCTION MATERIALS:**

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

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

**A. METHODS AND LOCATION**

1. Cuttings will be confined in the reserve pit.
2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.

4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD 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 16-millimeter plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; Polyswell or soil) will be used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

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

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

**8. ANCILLARY FACILITIES:**

None anticipated.

**9. WELL SITE LAYOUT:**

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

The reserve pit will be located on the southwest 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 (first six inches) will be stored separate from the location topsoil. The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the southeast.

**FENCING REQUIREMENTS:**

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

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

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

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

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

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

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

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

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

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

**B. 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. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

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

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

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

A cultural resources survey will be conducted and submitted by Montgomery Archaeological Consultants. A paleontology survey will be conducted and submitted by Intermountain Paleo-Consulting.

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

**PERMITTING AGENT**

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

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

**CERTIFICATION:**

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

Please be advised that EOG Resources, Inc. is considered to be the operator of the Natural Buttes Unit 665-24E Well, located in the NESE, of Section 24, T10S, R20E, Uintah County, Utah; State 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.

November 30, 2007

Date

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

EOG RESOURCES, INC.

FIGURE #1

LOCATION LAYOUT FOR

NBU #665-24E  
SECTION 24, T10S, R20E, S.L.B.&M.

1950' FSL 660' FEL

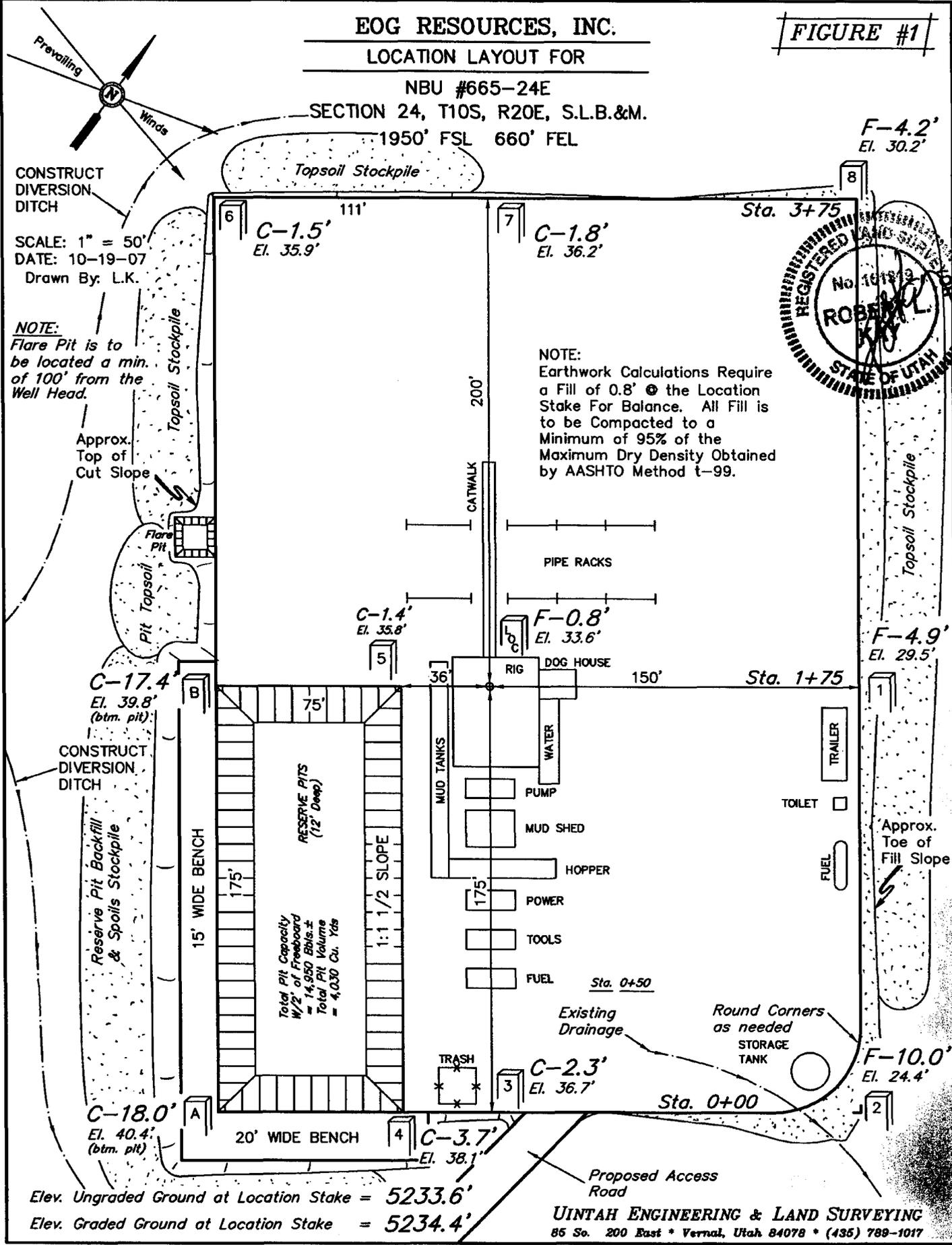
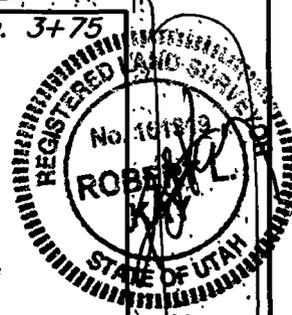
F-4.2'  
El. 30.2'

CONSTRUCT DIVERSION DITCH

SCALE: 1" = 50'  
DATE: 10-19-07  
Drawn By: L.K.

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

NOTE:  
Earthwork Calculations Require a Fill of 0.8' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.



CONSTRUCT DIVERSION DITCH

Reserve Pit Backfill & Spoils Stockpile

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

Approx. Toe of Fill Slope

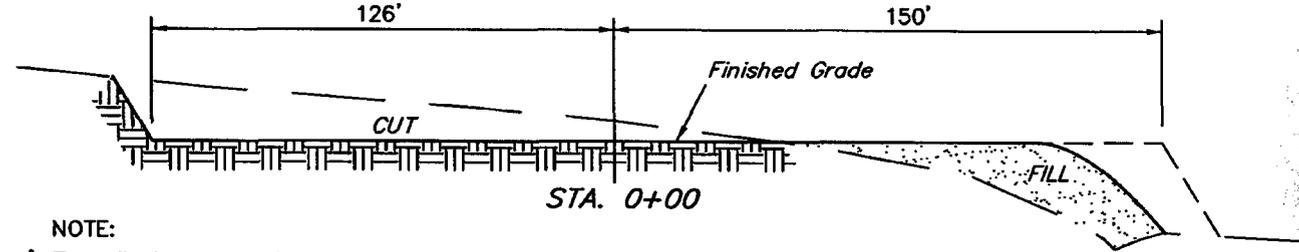
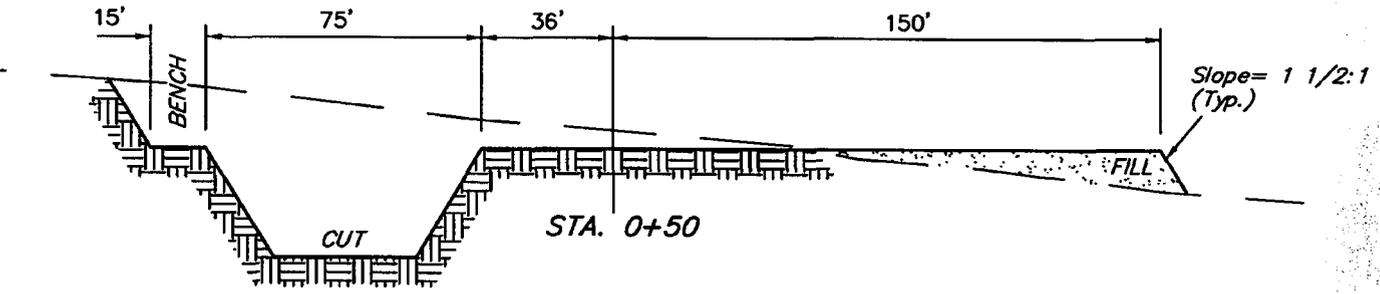
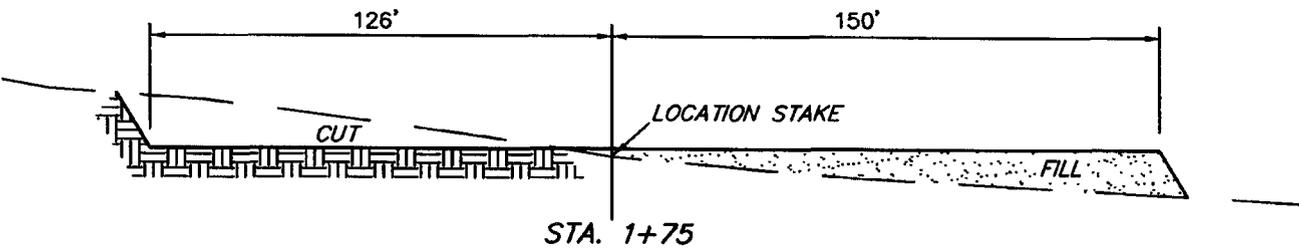
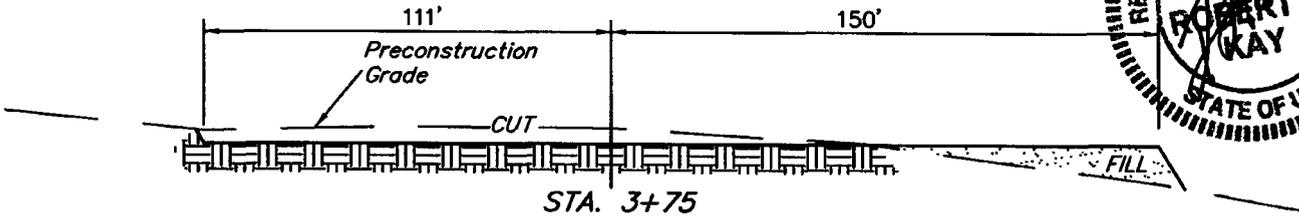
Elev. Ungraded Ground at Location Stake = 5233.6'  
Elev. Graded Ground at Location Stake = 5234.4'

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

**EOG RESOURCES, INC.**  
**TYPICAL CROSS SECTIONS FOR**  
**NBU #665-24E**  
**SECTION 24, T10S, R20E, S.L.B.&M.**  
**1950' FSL 660' FEL**

FIGURE #2

1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 10-19-07  
Drawn By: L.K.



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

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

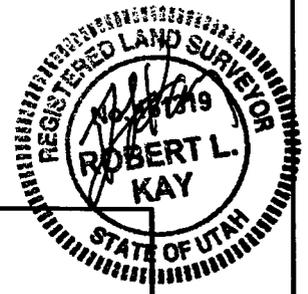
**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	2,120 Cu. Yds.
Remaining Location	=	9,150 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>11,270 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>7,130 CU.YDS.</b>

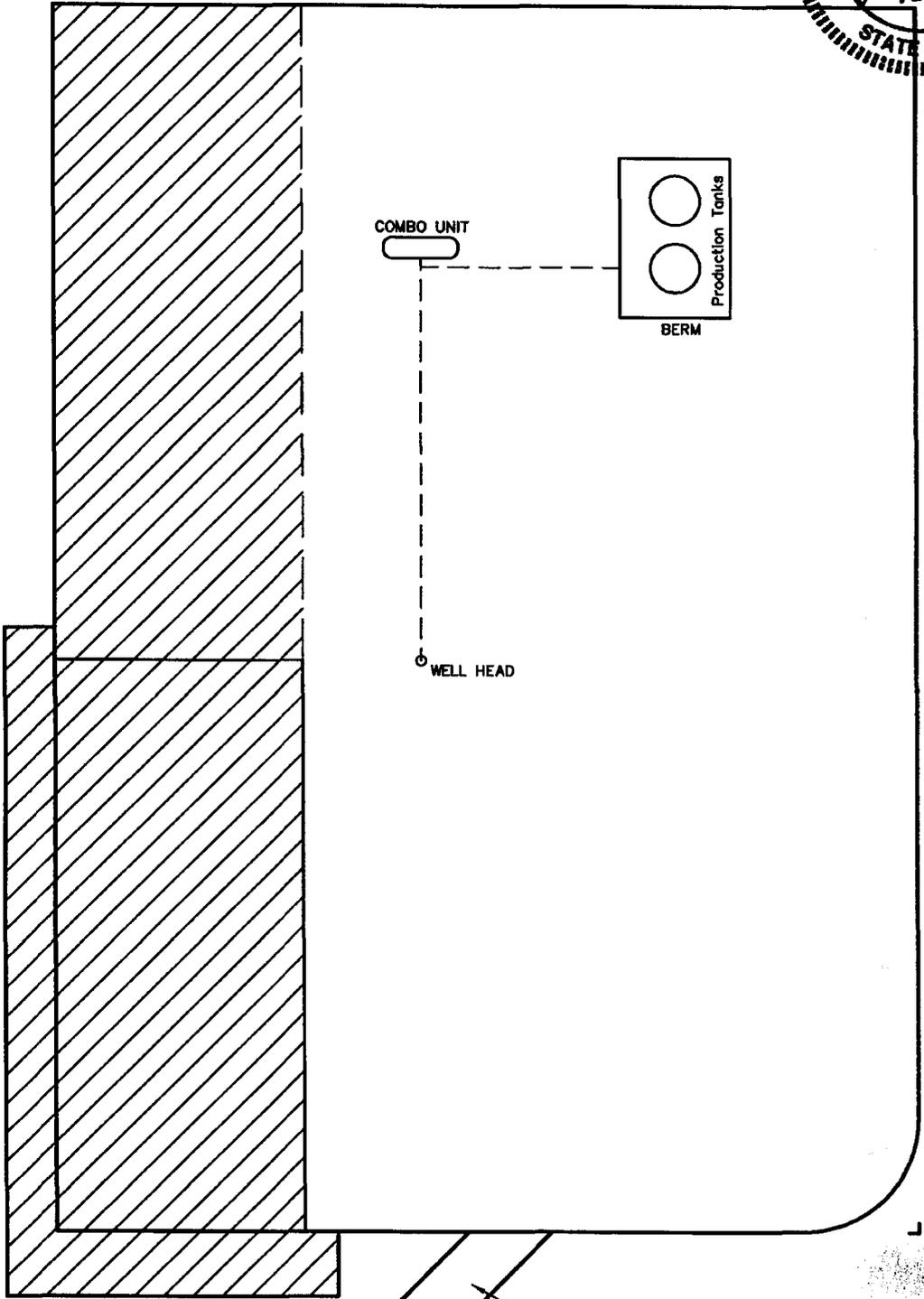
EXCESS MATERIAL	=	4,140 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,140 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

**EOG RESOURCES, INC.**  
**PRODUCTION FACILITY LAYOUT FOR**  
NBU #665-24E  
SECTION 24, T10S, R20E, S.L.B.&M.  
1950' FSL 660' FEL

**FIGURE #3**



SCALE: 1" = 50'  
DATE: 10-19-07  
Drawn By: L.K.



 RE-HABED AREA

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

# EOG RESOURCES, INC.

## NBU #665-24E

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 24, T10S, R20E, S.L.B.&M.

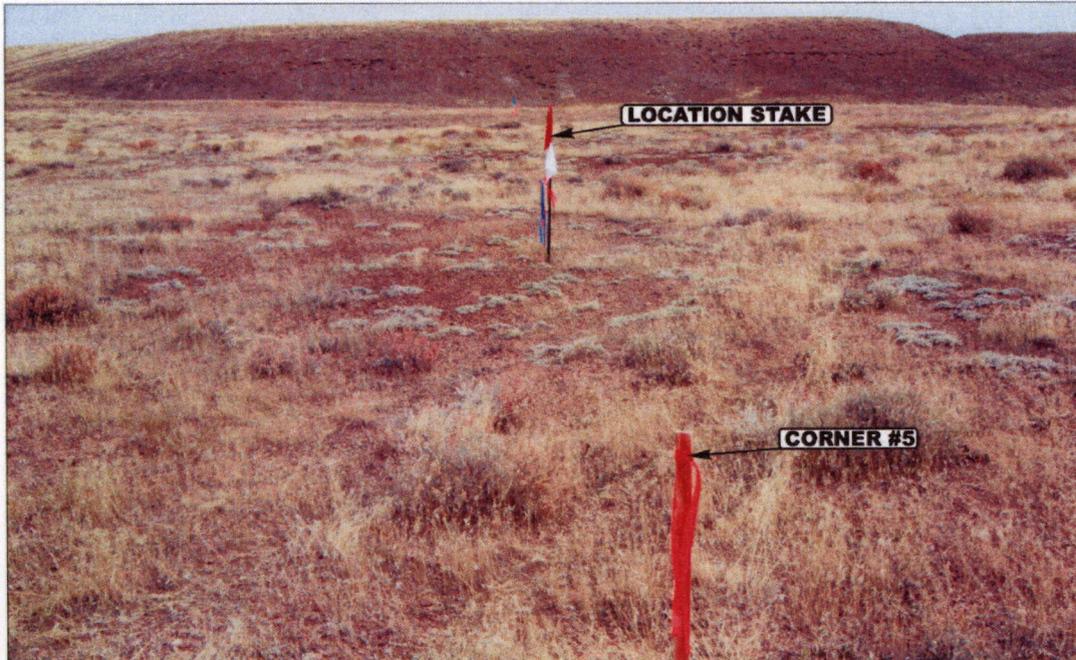


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

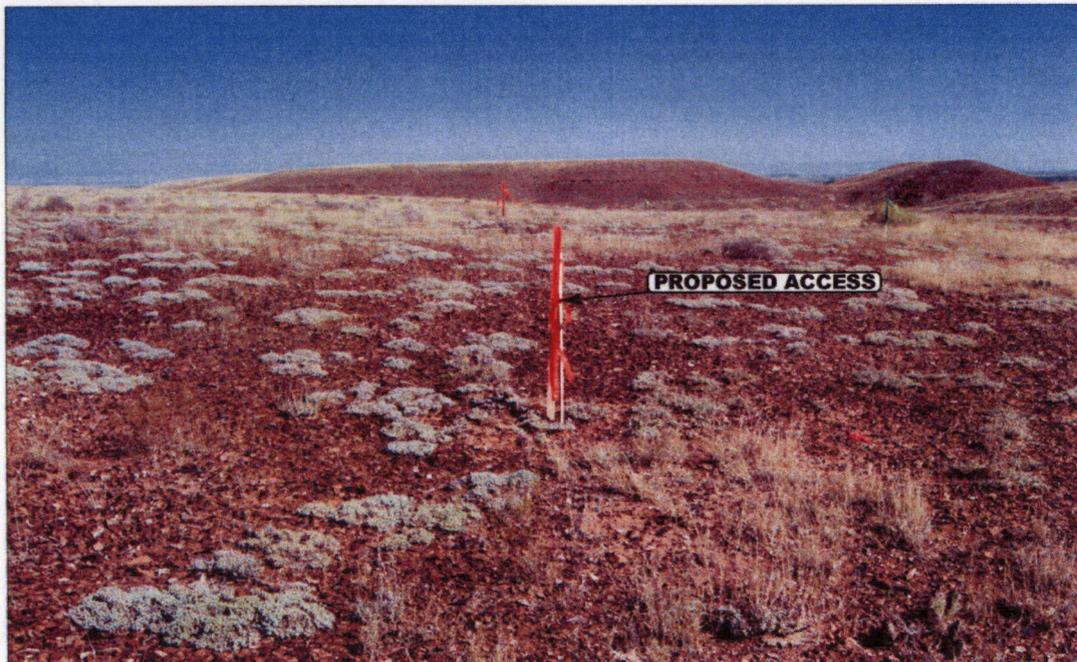


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



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

LOCATION PHOTOS

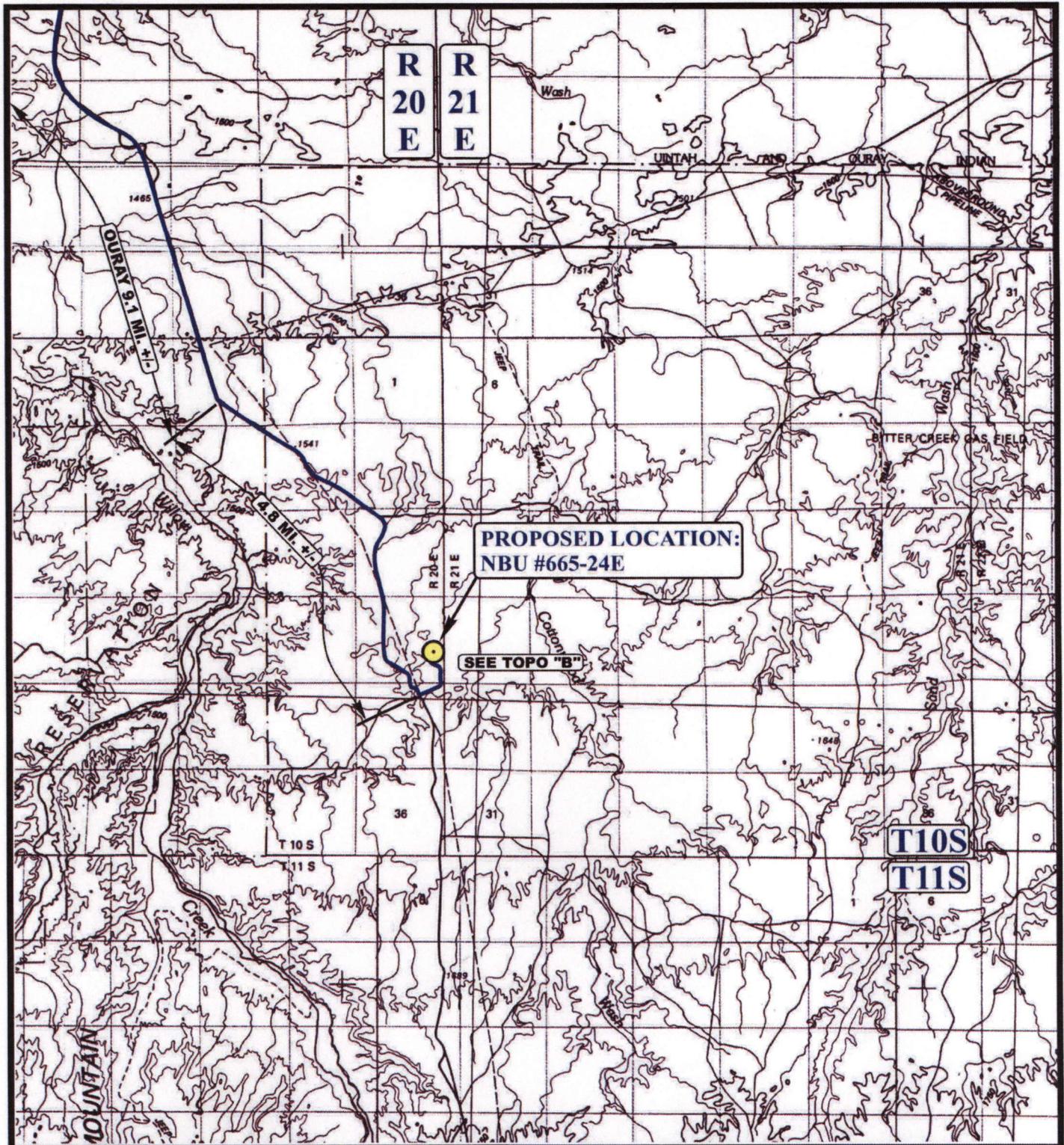
10 16 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: A.F.

DRAWN BY: C.P.

REVISED: 00-00-00



**LEGEND:**

● PROPOSED LOCATION

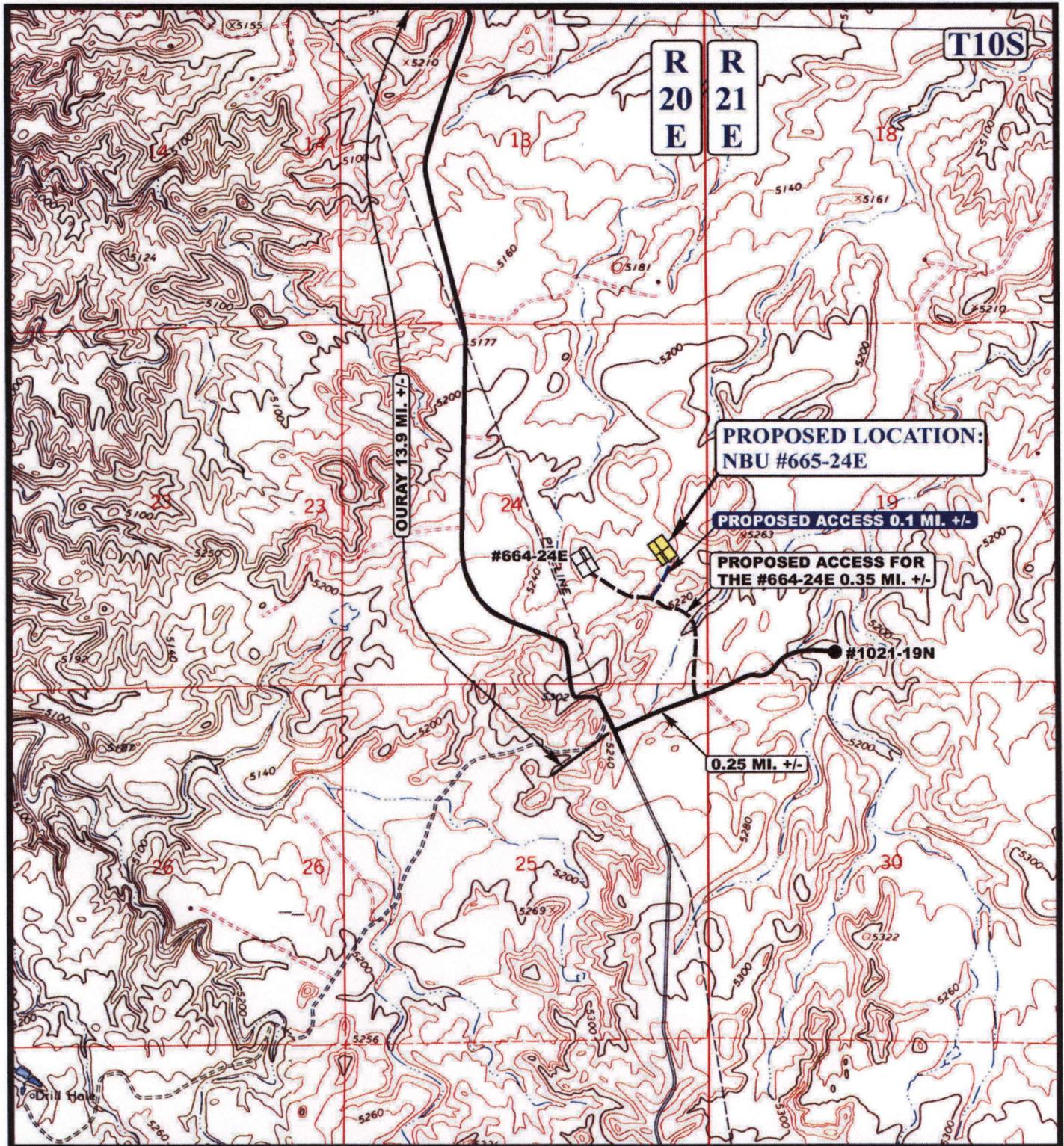


**EOG RESOURCES, INC.**

NBU #665-24E  
 SECTION 24, T10S, R20E, S.L.B.&M.  
 1950' FSL 660' FEL

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

**TOPOGRAPHIC MAP** 10 16 07  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00 **TOPO**



**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

**EOG RESOURCES, INC.**

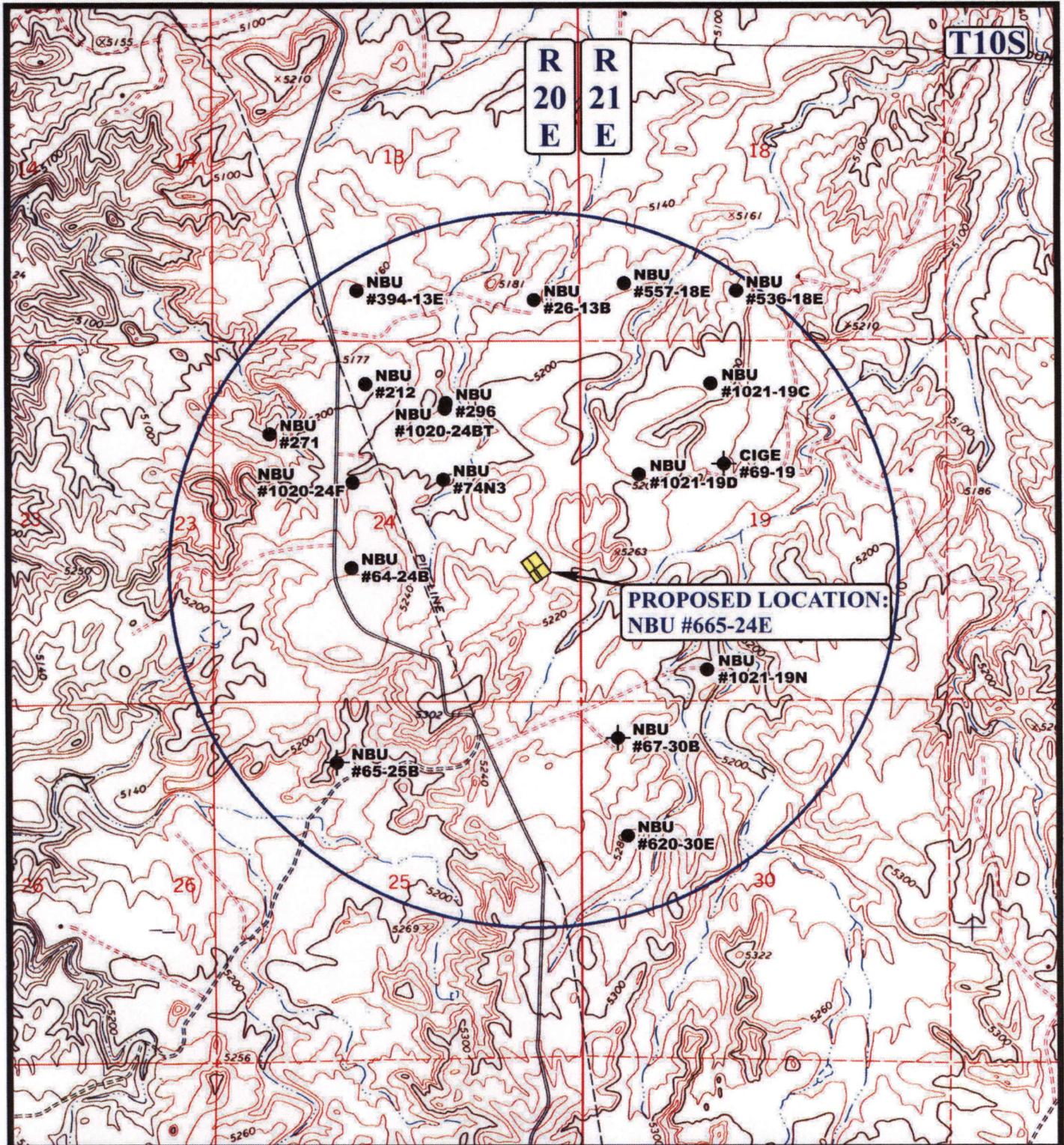
NBU #665-24E  
 SECTION 24, T10S, R20E, S.L.B.&M.  
 1950' FSL 660' FEL



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

**TOPOGRAPHIC MAP** 10 16 07  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





**LEGEND:**

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ♂ WATER WELLS           |
| ● PRODUCING WELLS | ◆ ABANDONED WELLS       |
| ● SHUT IN WELLS   | ● TEMPORARILY ABANDONED |

**EOG RESOURCES, INC.**

**NBU #665-24E**  
**SECTION 24, T10S, R20E, S.L.B.&M.**  
**1950' FSL 660' FEL**



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

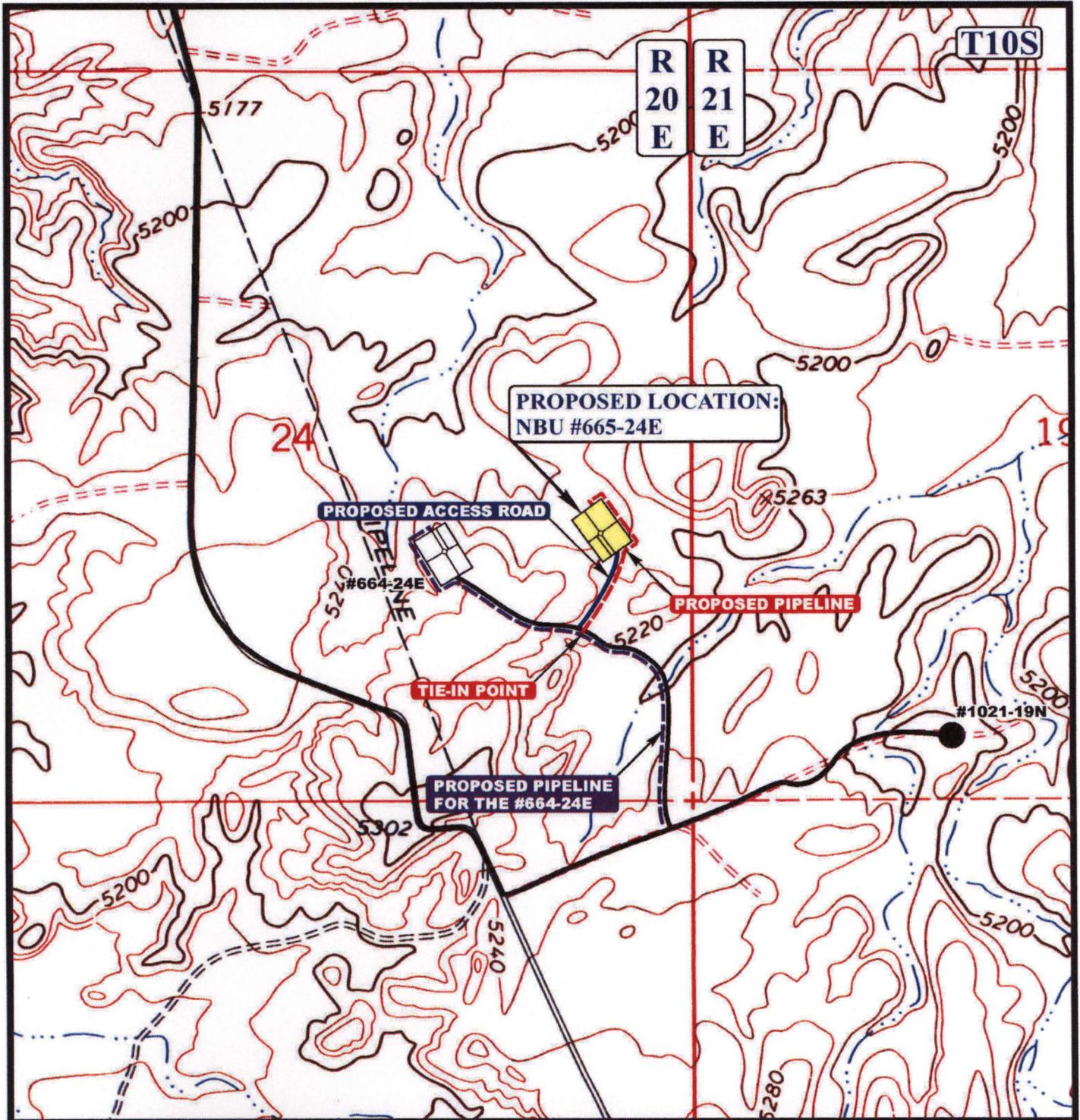


**TOPOGRAPHIC**  
**MAP**

<b>10</b>	<b>16</b>	<b>07</b>
MONTH	DAY	YEAR

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





**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,405' +/-**

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)

**EOG RESOURCES, INC.**

NBU #665-24E  
SECTION 24, T10S, R20E, S.L.B.&M.  
1950' FSL 660' FEL



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

**TOPOGRAPHIC MAP** 10 16 07  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/30/2007

API NO. ASSIGNED: 43-047-50018

WELL NAME: NBU 665-24E  
 OPERATOR: EOG RESOURCES, INC. ( N9550 )  
 CONTACT: Mary Maestas

PHONE NUMBER: 303 824-5526

PROPOSED LOCATION:

NESE 24 100S 200E  
 SURFACE: 1950 FSL 0660 FEL  
 BOTTOM: 1950 FSL 0660 FEL  
 COUNTY: UINTAH  
 LATITUDE: 39.93128 LONGITUDE: -109.6059  
 UTM SURF EASTINGS: 619127 NORTHINGS: 4420850  
 FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	1/4/08
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-22790  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: NHORN  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

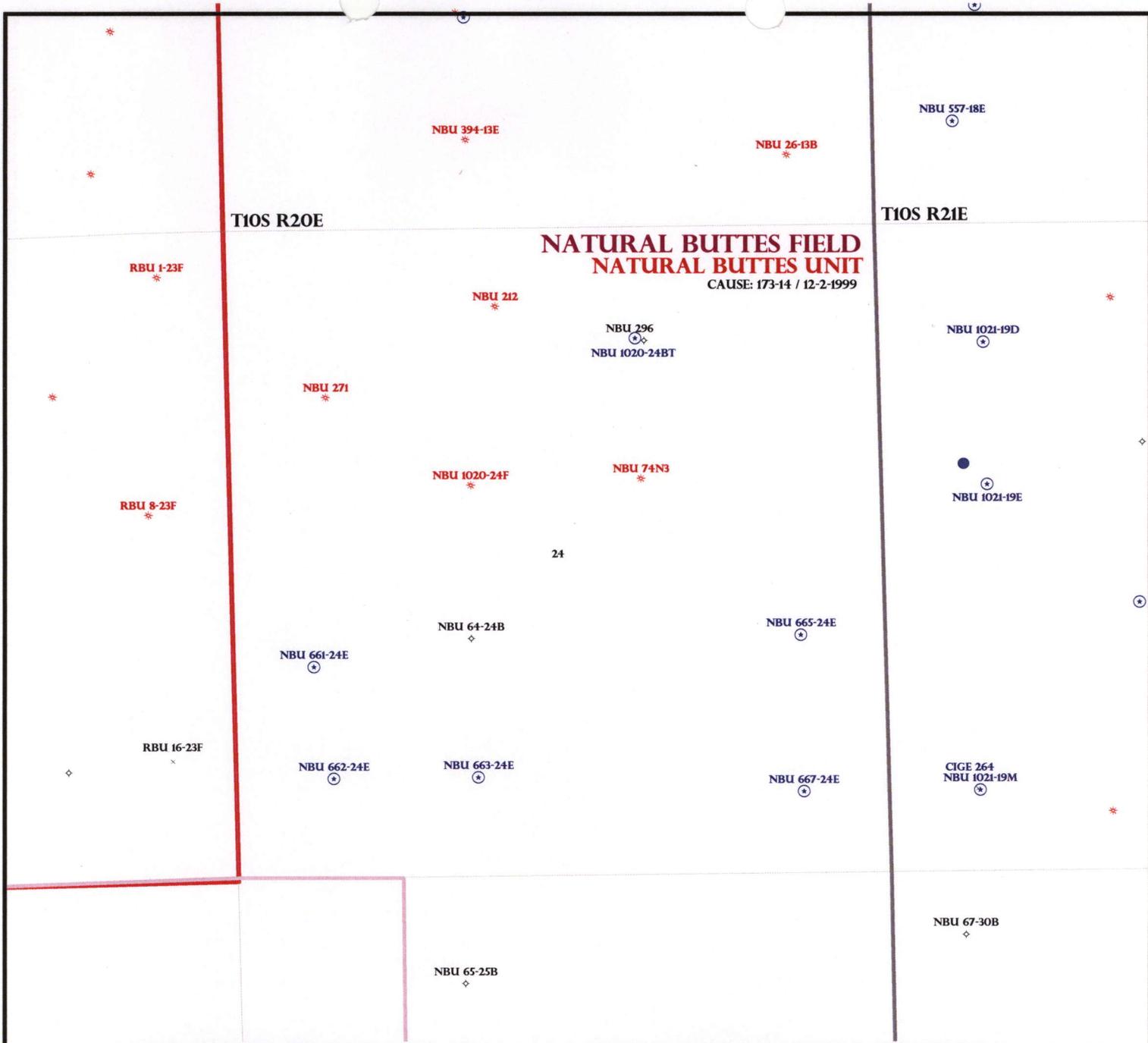
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 6196017 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-225 (A3) )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- \_\_\_\_\_ R649-2-3.
- Unit: NATURAL BUTTES
- \_\_\_\_\_ R649-3-2. General
- Siting: 460' From Qtr/Qtr & 920' Between Wells
- \_\_\_\_\_ R649-3-3. Exception
- Drilling Unit
- Board Cause No: 123-14
- Eff Date: 12-2-1999
- Siting: 460' & along & between Tracts
- \_\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: needs Permit (12-04-07)

STIPULATIONS: 1 - OIL SHALE  
2 - STATEMENT OF BASIS  
3 - Surface Csg Cont stip  
4 - Cont stip #3 (4 1/2" production, 2100' md)



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

OPERATOR: EOG RESOURCES INC (N9550)  
 SEC: 24 T.10S R. 20E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 CAUSE: 173-14 / 12-2-1999



- |                     |                    |
|---------------------|--------------------|
| <b>Field Status</b> | <b>Unit Status</b> |
| ABANDONED           | EXPLORATORY        |
| ACTIVE              | GAS STORAGE        |
| COMBINED            | NF PP OIL          |
| INACTIVE            | NF SECONDARY       |
| PROPOSED            | PENDING            |
| STORAGE             | PI OIL             |
| TERMINATED          | PP GAS             |
|                     | PP GEOTHERML       |
|                     | PP OIL             |
|                     | SECONDARY          |
|                     | TERMINATED         |

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



PREPARED BY: DIANA MASON  
 DATE: 05-DECEMBER-2007

# Application for Permit to Drill

## Statement of Basis

12/18/2007

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
609	43-047-50018-00-00	SITLA	GW	S	No
<b>Operator</b>	EOG RESOURCES, INC.		<b>Surface Owner-APD</b>		
<b>Well Name</b>	NBU 665-24E		<b>Unit</b>		
<b>Field</b>	NATURAL BUTTES		NATURAL BUTTES		
<b>Location</b>	NESE 24 10S 20E S 1950 FSL 660 FEL		<b>Type of Work</b>		
			DRILL		
	GPS Coord (UTM) 619127E 4420850N				

### Geologic Statement of Basis

EOG proposes to set 2300' 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 5,200'. A search of Division of Water Rights records shows 3 water wells within a 10,000 foot radius of the center of section 24 . The wells are listed as industrial use wells for use in the oil shale industry and are 1/2 mile to a mile from the proposed site. 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.

Brad Hill  
APD Evaluator

12/18/2007  
Date / Time

### Surface Statement of Basis

Floyd Bartlett (DOGM), Byron Tolman ( Agent for EOG), Daniel Emmett (Utah Division of Wildlife Resources)

The general area is approximately 45 miles southwest of Vernal, Utah and 14 miles south of Ouray, Utah in the west end of the Natural Buttes oil field unit. The Seep ridge road bisects the section. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle to deep draws running westerly a distance of about 3 miles into Willow Creek or northerly about 12 miles to the White River. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Both Willow Creek and White River contain perennial streams. No other seeps, springs or streams are known to exist in the area. An occasional pond collecting runoff for livestock and antelope occurs.

The NBU # 665-24E proposed gas well is 14miles southeast of Ouray and is accessed by the Uintah County Seep Ridge Road and existing or planned oil field development roads to within 0.1 mile of the site where a new road will be constructed.

The location is on a broken or rolling ridge top with the high point of the ridge to the southwest. The ridge top slopes to the northeast toward a gentle swale. A small drainage begins within the southeast corner of the proposed pad and will be filled during construction. Slopes above the southwest side of the location will be diverted both to the north and south above the reserve pit.

Both the surface and minerals are owned by SITLA. Ed Bonner and Jim Davis of SITLA were invited to the pre-site evaluation. Neither attended. Approximately 6 inches of snow covered the area. This investigation did not reveal any significant issues or situations, which should prohibit access to or drilling and operating the well at this site.

Daniel Emmett representing the UDWR stated the area is classified as yearlong crucial habitat for antelope but water not forage is the factor limiting the growth of the herd. He did not recommend any restrictions for this species. No other wildlife species are expected to be significantly affected. He furnished Byron Tolman

---

# Application for Permit to Drill

## Statement of Basis

12/18/2007

Utah Division of Oil, Gas and Mining

Page 2

representing EOG, a copy of his wildlife evaluation and a recommended seed mix to be used when the site is re-vegetated.

ATV's were used to access the site.

GPS was not working. Center Stake location was not recorded.

Floyd Bartlett  
Onsite Evaluator

12/4/2007  
Date / Time

### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** EOG RESOURCES, INC.  
**Well Name** NBU 665-24E  
**API Number** 43-047-50018-0      **APD No** 609      **Field/Unit** NATURAL BUTTES  
**Location:** 1/4,1/4 NESE      **Sec** 24      **Tw** 10S      **Rng** 20E      1950 FSL 660 FEL  
**GPS Coord (UTM)**      **Surface Owner**

### Participants

Floyd Bartlett (DOGM), Byron Tolman ( Agent for EOG), Daniel Emmett (Utah Division of Wildlife Resources)

### Regional/Local Setting & Topography

The general area is approximately 45 miles southwest of Vernal, Utah and 14 miles south of Ouray, Utah in the west end of the Natural Buttes oil field unit. The Seep ridge road bisects the section. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle to deep draws running westerly a distance of about 3 miles into Willow Creek or northerly about 12 miles to the White River. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Both Willow Creek and White River contain perennial streams. No other seeps, springs or streams are known to exist in the area. An occasional pond collecting runoff for livestock and antelope occurs.

The NBU # 665-24E proposed gas well is 14miles southeast of Ouray and is accessed by the Uintah County Seep Ridge Road and existing or planned oil field development roads to within 0.1 mile of the site where a new road will be constructed.

The location is on a broken or rolling ridge top with the high point of the ridge to the southwest. The ridge top slopes to the northeast toward a gentle swale. A small drainage begins within the southeast corner of the proposed pad and will be filled during construction. Slopes above the southwest side of the location will be diverted both to the north and south above the reserve pit.

Both the surface and minerals are owned by SITLA. Approximately 6 inches of snow covered the area. This investigation did not reveal any significant issues or situations, which should prohibit access to or drilling and operating the well at this site.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Recreational  
Wildlfe Habitat

#### **New Road**

<b>Miles</b>	<b>Well Pad</b>	<b>Src Const</b>	<b>Material</b>	<b>Surface Formation</b>
0.1	<b>Width</b> 276	<b>Length</b> 375	Onsite	UNTA

**Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Approximately 6 inches of snow covered the area. Identifiable plants included broom snakeweed, shadscale, cheat

grass and Gardner saltbrush.

Antelope, coyotes, rabbits and miscellaneous small mammals and birds.

**Soil Type and Characteristics**

Shallow sandy clay loam with some small surface rock is the probable surface soil.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?**

**Paleo Potential Observed?**

**Cultural Survey Run?** Y

**Cultural Resources?** N

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 25 1 **Sensitivity Level**

**Characteristics / Requirements**

A 75' x 175' x 10' deep reserve pit is planned in an area of cut on the southwest corner of the location. It will be lined with a 16-mil liner with an appropriate thickness of felt sub- liner.

**Closed Loop Mud Required?** N

**Liner Required?** Y

**Liner Thickness** 16

**Pit Underlayment Required?** Y

**Other Observations / Comments**

ATV's were used to access the site.

GPS was not working. Center Stake location was not recorded.

Floyd Bartlett  
**Evaluator**

12/4/2007  
**Date / Time**

2007-12 EOG NBU 665-24E

Casing Schematic

BHP  $0.052(7237)10.5 = 3951 \text{ psi}$   
anticipate 3952 psi

Gas  $.12(7237) = 868$   
3083 psi, MASP

BOPE SM ✓

Burst 3520  
70% 2464 psi

Max P @ surf. shoe  
 $.22(4937) = 1086$   
2865 psi

test to 2400 psi ✓

✓ Adequate <sup>DN</sup> 4/4/08

9-5/8"  
MW 8.4  
Frac 19.3

4-1/2"  
MW 10.5

Surface

1276  
151

Clinta

TOC @ 652. to surf w/ 6% ✓  
\*STIP

1664' Green River  
1877' TOC tail  
⇒ EOG to surf tail @ 1800'  
or higher

Surface  
2300. MD

Propose:  
⇒ Cmt to 2100, tail to 400' ✓  
above Wasatch.  
Proposed Vol = gauge hole  
step #3

TOC @ 3372.

4442' Wasatch

4892' TOC tail  
5067' Chapita Wells  
5200' ± BMSW

5774' Buck Canyon

6510' North Horn

Production  
7237. MD

Well name:	<b>2007-12 EOG NBU 665-24E</b>		
Operator:	<b>EOG Resources Inc.</b>		
String type:	Surface	Project ID:	43-047-50018
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: 652 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: 7,237 ft  
 Next mud weight: 10.500 ppg  
 Next setting BHP: 3,947 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: December 28, 2007  
 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>2007-12 EOG NBU 665-24E</b>		
Operator:	<b>EOG Resources Inc.</b>		
String type:	Production	Project ID:	43-047-50018
Location:	Uintah County		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 2,355 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 3,947 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: 6,101 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 176 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 3,372 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	7237	4.5	11.60	N-80	LT&C	7237	7237	3.875	631.5

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	3947	6350	1.609	3947	7780	1.97	71	223	3.15 J

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

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

Date: December 28, 2007  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7237 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.

**From:** Ed Bonner  
**To:** Mason, Diana  
**Date:** 6/10/2008 11:29 AM  
**Subject:** Well Clearance

**CC:** Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources and paleontological resources clearance by the Trust Lands Administration:

EOG Resources, Inc

NBU 662-24E (API 43 047 50017)

NBU 665-24E (API 43 047 50018)

CWU 1376-32 (API 43 047 50020)

CWU 1390-32 (API 43 047 50021)

CWU 1377-32 (API 43 047 50022)

NBU 691-29E (API 43 047 50027)

NBU 669-29E (API 43 047 50030)

NBU 667-24E (API 43 047 50012)

CWU 743-02 (API 43 047 50023)

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



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

**Division of Oil, Gas and Mining**

JOHN R. BAZA  
Division Director

June 18, 2008

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

Re: NBU 665-24E Well, 1950' FSL, 660' FEL, NE SE, Sec. 24, T. 10 South, R. 20 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-50018.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: EOG Resources, Inc.

Well Name & Number NBU 665-24E

API Number: 43-047-50018

Lease: ML-22790

Location: NE SE                      Sec. 24                      T. 10 South                      R. 20 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

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

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

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

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

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

- Dan Jarvis at:            (801) 538-5338 office            (801) 942-0871 home
- Carol Daniels at:        (801) 538-5284 office
- Dustin Doucet at:        (801) 538-5281 office            (801) 733-0983 home

#### 3. Reporting Requirements

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

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. Surface casing shall be cemented to the surface.
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 2100' MD as indicated in the submitted drilling plan.
8. 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.

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple (See Attached)
2. NAME OF OPERATOR: EOG Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1060 E. HWY 40 Vernal UT 84078		7. UNIT or CA AGREEMENT NAME: Natural Buttes Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: Multiple (See Attached) 43 047 50018 NBU 665-24E QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 10S 20E 24		8. WELL NAME and NUMBER: Multiple (See Attached)
PHONE NUMBER: (435) 789-0790		9. API NUMBER: Multiple (See Attached)
10. FIELD AND POOL, OR WMLDCAT: Natural Buttes		COUNTY: Uintah, UT
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Air Drilling Variance 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 authorization for air drilling operations, see attached.

COPY SENT TO OPERATOR

Date: 10.14.2008

Initials: KS

NAME (PLEASE PRINT) Mickenzie Thacker

TITLE Operations Clerk

SIGNATURE Mickenzie Thacker

DATE 9/17/2008

(This space for State use only)

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

DATE: 10/17/08  
BY: [Signature] (See Instructions on Reverse Side)

RECEIVED

SEP 22 2008

DIV. OF OIL, GAS & MINING

API #	Lease #	Well Name	Footages	¼-¼ Legal Description
43-047-39309	ML-22793	NBU 620-30E	1980' FNL 680' FWL	SWNW Sec. 30 T10S R21E
43-047-50019	UTU-08512-ST	NBU 639-13E	859' FNL 1902' FEL	NWNE Sec. 13 T10S R22E
43-047-50017	ML-22790	NBU 662-24E	809' FSL 807' FWL	SWSW Sec. 24 T10S R20E
43-047-39867	ML-22790	NBU 664-24E	1810' FSL 1781' FEL	NWSE Sec. 24 T10S R20E
43-047-50018	ML-22790	NBU 665-24E	1950' FSL 660' FEL	NESE Sec. 24 T10S R20E
43-047-50012	ML-22790	NBU 667-24E	660' FSL 660' FEL	SESE Sec. 24 T10S R20E
43-047-50030	UO-1207-ST	NBU 669-29E	1927' FNL 1980' FEL	SWNE Sec. 29 T9S R22E
43-047-50027	UO-1207-ST	NBU 691-29E	680' FNL 797' FEL	NENE Sec. 29 T9S R22E

### **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.

### **VARIANCE REQUESTS:**

#### **Reference: Onshore Oil and Gas Order No. 1**

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

1. 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).
2. 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.
3. 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.
4. 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).
5. 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).

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: EOG RESOURCES INC

Well Name: NBU 665-24E

Api No: 43-047-50018 Lease Type: STATE

Section 24 Township 10S Range 20E County UINTAH

Drilling Contractor ROCKY MOUNTAIN DRLG RIG # RATHOLE

## **SPUDDED:**

Date 12/24/2008

Time 8:30 AM

How DRY

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

Reported by JERRY BARNES

Telephone # (435) 828-1720

Date 12/24/08 Signed CHD

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

FORM 6

**ENTITY ACTION FORM**

Operator: EOG RESOURCES 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
	CHAPITA WELLS UNIT 733-33X		NENW	33	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999		12/23/2008				
Comments: WASATCH							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50018	NATURAL BUTTES UNIT 665-24E		NESE	24	10S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>KB</i>	99999	<i>2900</i>	12/24/2008		<i>12/31/08</i>		
Comments: <i>NHORN = WASATCH = WSMVD</i>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50047	CHAPITA WELLS UNIT 1391-33		NWNW	33	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>KB</i>	99999	<i>13650</i>	12/30/2008		<i>12/31/08</i>		
Comments: <i>PRRV = MESAVERDE</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) \_\_\_\_\_  
*Mickenzie Thacker*  
 Signature \_\_\_\_\_  
 Operations Clerk \_\_\_\_\_ 12/29/2008  
 Title \_\_\_\_\_ Date \_\_\_\_\_

(5/2000)

**RECEIVED**  
**DEC 31 2008**

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-22790</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</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 665-24E</b>
3. ADDRESS OF OPERATOR: 1060 East Highway 40 Vernal UT 84078		PHONE NUMBER: (435) 781-9145	9. API NUMBER: <b>43-047-50018</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1950' FSL & 660' FEL 39.931214 LAT 109.606567 LON QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 24 10S 20E S		COUNTY: <b>UTAH</b>	10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</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 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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>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 12/24/2008.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>12/30/2008</u>

(This space for State use only)

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

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple - See Attached
2. NAME OF OPERATOR: EOG Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1060 East Highway 40 Vernal UT 84078		7. UNIT or CA AGREEMENT NAME: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: Multiple - See Attached		8. WELL NAME and NUMBER: Multiple - See Attached <i>NBU 6125-2AE</i>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>10S 20E 2A</i>		9. API NUMBER: Multiple <i>43 047 50018</i>
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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 for the disposal of produced water at the following locations:

1. NBU 21-20B SWD
2. CWU 550-30N SWD
3. CWU 2-29 SWD
4. Red Wash Evaporation Ponds 1, 2, 3, 4, 5, & 6
5. White River Evaporation Ponds 1 & 2
6. RNI Disposal

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

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <i>Mickenzie Thacker</i>	DATE <u>1/28/2009</u>

(This space for State use only)

**RECEIVED  
FEB 02 2009**

API #	Lease #	Well Name	Footages	$\frac{1}{4}$ - $\frac{1}{4}$ Legal Description
43-047-50018	ML-22790	NBU 665-24E	1950' FSL 660' FEL	NESE Sec. 24 T10S R20E
43-047-39867	ML-22790	NBU 664-24E	1810' FSL 1781' FEL	NWSE Sec. 24 T10S R20E

**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-22790</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.		7. UNIT or CA AGREEMENT NAME: <b>Natural Buttes</b>
		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 665-24E</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: <b>43-047-50018</b>	
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>	10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>	
3. ADDRESS OF OPERATOR: <b>1060 East Highway 40 Vernal UT 84078</b>	PHONE NUMBER: <b>(435) 781-9145</b>	
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1950' FSL &amp; 660' FEL 39.931214 LAT 109.606567 LON</b>		COUNTY: <b>UTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 24 10S 20E S</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 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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><b>Drilling Operations</b></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.

Waiting on completion operations. Please see the attached well chronology.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>4/29/2009</u>

(This space for State use only)

**RECEIVED**

**MAY 04 2009**

DIV. OF OIL, GAS & MINING

## WELL CHRONOLOGY REPORT

Report Generated On: 04-29-2009

<b>Well Name</b>	NBU 665-24E	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	NATURAL BUTTES	<b>API #</b>	43-047-50018	<b>Well Class</b>	COMP
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	02-03-2009	<b>Class Date</b>	
<b>Tax Credit</b>	N	<b>TVD / MD</b>	7,237/ 7,237	<b>Property #</b>	062372
<b>Water Depth</b>	0	<b>Last CSG</b>	4.5	<b>Shoe TVD / MD</b>	7,237/ 7,237
<b>KB / GL Elev</b>	5,247/ 5,234				
<b>Location</b>	Section 24, T10S, R20E, NESE, 1950 FSL & 660 FEL				

<b>Event No</b>	1.0	<b>Description</b>	DRILL & COMPLETE		
<b>Operator</b>	EOG RESOURCES, INC	<b>WI %</b>	66.67	<b>NRI %</b>	49.3949

<b>AFE No</b>	306044	<b>AFE Total</b>	1,278,735	<b>DHC / CWC</b>	567,835/ 710,900						
<b>Rig Contr</b>	ELENBURG	<b>Rig Name</b>	ELENBURG #29	<b>Start Date</b>	02-04-2008	<b>Release Date</b>	02-06-2009				
<b>02-04-2008</b>	<b>Reported By</b>	CYNTHIA HANSELMAN									
<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
			1950' FSL & 660' FEL (NE/SE)
			SECTION 24, T10S, R20E
			UINTAH COUNTY, UTAH
			 LAT 39.931214, LONG 109.606567 (NAD 83)
			LAT 39.931250, LONG 109.605878 (NAD 27)
			 ELENBURG #29
			OBJECTIVE: 7237' TD, WASATCH
			DW/GAS
			NATURAL BUTTES DEEP PROSPECT
			DD&A: NATURAL BUTTES
			NATURAL BUTTES FIELD
			 LEASE: ML - 22790
			ELEVATION: 5233.6' NAT GL, 5234.4' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5234') 5247' KB (13')
			 EOG WI 66.67%, NRI 49.394976%

12-09-2008      **Reported By**      TERRY CSERE

**DailyCosts: Drilling**      \$75,000                      **Completion**      \$0                      **Daily Total**      \$75,000  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**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 STARTED.

12-10-2008      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**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 15% COMPLETE.

12-11-2008      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**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 35% COMPLETE.

12-12-2008      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**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 45% COMPLETE.

12-15-2008      Reported By      TERRY CSERE

**DailyCosts: Drilling**      \$0                      **Completion**      \$0                      **Daily Total**      \$0  
**Cum Costs: Drilling**      \$75,000                      **Completion**      \$0                      **Well Total**      \$75,000  
**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 50% COMPLETE.

12-16-2008      Reported By      TERRY CSERE





<b>Daily Costs: Drilling</b>	\$72,907	<b>Completion</b>	\$0	<b>Daily Total</b>	\$72,907						
<b>Cum Costs: Drilling</b>	\$416,270	<b>Completion</b>	\$0	<b>Well Total</b>	\$416,270						
<b>MD</b>	2,860	<b>TVD</b>	2,860	<b>Progress</b>	402	<b>Days</b>	1	<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: DRILLING @ 2860'

Start	End	Hrs	Activity Description
06:00	08:00	2.0	RDRT. SAFTEY MEETING W/ HOWCROFT AND RIG CREW.
08:00	11:00	3.0	MOVE RIG W/TRUCKS. (7.8 MILES). RELEASE TRUCKS @ 11:00 HOURS.
11:00	14:00	3.0	R/U RT.
14:00	18:00	4.0	NU BOP. FLOW LINE. CHOKE ECT. RIG ON DAY WORK 2/02/09 @ 14:00 HRS.
18:00	22:00	4.0	TEST BOPE AS PER PROGRAM. NOTIFIED STATE REP BY PHONE ON 2/01/09. INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK 250/5000 PSI 5/10 MIN. HCR, CHOKE LINE, KILL LINE, 250/5000 PSI 5/10 MIN. CHOKE MANIFOLD, 250/5000 PSI 5/10 MIN. PIPE RAMS, BLIND RAMS, 250/5000 PSI 5/10 MIN. ANNULAR, 250/2500 PSI 5/10 MIN. TEST 9 5/8" CASING TO1500 PSI 30 MIN.
22:00	00:00	2.0	INSTALL WEAR BUSHING. P/U & TRIP IN HOLE W/ BHA.
00:00	00:30	0.5	INSTALL ROT HEAD RUBBER.
00:30	01:00	0.5	TRIP IN HOLE, TAG CEMENT @ 2390.
01:00	02:00	1.0	DRILL CEMENT AND FLOAT EQUIP TO 2458 + 10' OF NEW HOLE.
02:00	02:30	0.5	CIRC, PERFORM FIT TEST. 210 PSI, 8.9 MWT = 10.5 MWT.
02:30	03:00	0.5	TAKE WIRELINE SURVEY @ 2420' = 3.25 DEG.
03:00	06:00	3.0	DRLG F/ 2458' TO 2860', ROP 134, WOB 14/18, RPM 50, MWT 8.9, VIS 31.

FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED.  
SAFETY MEETING. #1 RIG MOVE #2 TEST BOPE  
UNMANNED MUD LOGGER DAY 1  
FUEL 6351, USED 721, RECIEVED 0  
BOILER 18 HR'S.  
MW 8.9 VIS 31

06:00 SPUD 7 7/8" HOLE @ 03:00 HRS, 2/03/09.

02-04-2009 Reported By MATT WILLIAMS

<b>Daily Costs: Drilling</b>	\$39,156	<b>Completion</b>	\$0	<b>Daily Total</b>	\$39,156						
<b>Cum Costs: Drilling</b>	\$455,426	<b>Completion</b>	\$0	<b>Well Total</b>	\$455,426						
<b>MD</b>	5,344	<b>TVD</b>	5,344	<b>Progress</b>	2,474	<b>Days</b>	2	<b>MW</b>	8.9	<b>Visc</b>	30.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>							

Activity at Report Time: DRILLING @ 5334'

Start	End	Hrs	Activity Description
06:00	12:00	6.0	DRLG F/ 2860' TO 3540', ROP 113, WOB 15/19, RPM 40/55, TQ 1500/1900.
12:00	12:30	0.5	SERVICE RIG.

12:30 18:30 6.0 DRLG F/ 3540' TO 4265', ROP 120, WOB 15/20, RPM 45/50, TQ 1500/1900.  
 18:30 19:00 0.5 TAKE WIRELINE SURVEY @ 4220' = 2.5.  
 19:00 06:00 11.0 DRLG F/ 4265' TO 5334', ROP 97, WOB 15/20, RPM 45/50, TQ 1400/1950, MWT9.7, VIS 34.

FULL CREWS, NO ACCIDENTS OR INCIDENTS REPORTED.  
 SAFETY MEETING. #1 SURVEYS #2 FALL PROTECTION.  
 UNMANNED MUD LOGGER DAY 2.  
 FUEL 8025, USED 2726, RECIEVED 4400.  
 BOILER 24 HR'S.  
 MW 9.7 VIS 34.

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<b>02-05-2009</b>	<b>Reported By</b>	D WINKLER									
<b>DailyCosts: Drilling</b>	\$31,544	<b>Completion</b>	\$5,974	<b>Daily Total</b>	\$37,518						
<b>Cum Costs: Drilling</b>	\$486,971	<b>Completion</b>	\$5,974	<b>Well Total</b>	\$492,945						
<b>MD</b>	6,759	<b>TVD</b>	6,759	<b>Progress</b>	1,405	<b>Days</b>	3	<b>MW</b>	10.6	<b>Visc</b>	38.0
<b>Formation :</b>	<b>PBTD : 0.0</b>			<b>Perf :</b>	<b>PKR Depth : 0.0</b>						
<b>Activity at Report Time: DRILLING @ 6759'</b>											

Start	End	Hrs	Activity Description
06:00	11:30	5.5	DRILLED 5354' TO 5807', (453'), ROP 82, MW 9.8, VIS 35, GPM 410, NO LOSS/GAIN
11:30	12:00	0.5	SERVICE RIG
12:00	06:00	18.0	DRILLED 5807' TO 6759', (952'), ROP 52, MW 10.6, VIS 38, GPM 430, NO LOSS/GAIN
NO ACCIDENTS / INCIDENTS			
NO RIG REPAIRS:			
FULL CREWS			
SAFETY MEETING # 1 UNLOAD CASING			
SAFETY MEETING # 2 CHANGE SHAKER SCREENS			
FUEL ON HAND 6087 GLS, USED 1859 GLS			
TEST CROWN-O-MATIC, BOP DRILL			
UNMANNED LOGGER DAY 3			

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<b>02-06-2009</b>	<b>Reported By</b>	DUANE C WINKLER									
<b>DailyCosts: Drilling</b>	\$27,262	<b>Completion</b>	\$0	<b>Daily Total</b>	\$27,262						
<b>Cum Costs: Drilling</b>	\$514,234	<b>Completion</b>	\$5,974	<b>Well Total</b>	\$520,208						
<b>MD</b>	7,237	<b>TVD</b>	7,237	<b>Progress</b>	778	<b>Days</b>	4	<b>MW</b>	10.9	<b>Visc</b>	38.0
<b>Formation :</b>	<b>PBTD : 0.0</b>			<b>Perf :</b>	<b>PKR Depth : 0.0</b>						
<b>Activity at Report Time: LD DP</b>											

Start	End	Hrs	Activity Description
06:00	13:00	7.0	DRILLED 6759' TO 6940', (481'), ROP 68, MW 10.6, VIS 36, GPM 430, NO LOSS/GAIN
13:00	13:30	0.5	SERVICE RIG
13:30	22:00	8.5	DRILLED 6940' TO 7237', (297'), ROP 40, MW 10.9, VIS 38, GPM 430, NO LOSS/GAIN. REACHED TD 2/5/2009 @ 22:00 HRS.
22:00	00:30	2.5	SHORT TRIP BIT, NO FLOW, TRIP TO BTM, CIRCULATE, DROP SURVEY, PUMP 70 BBL 12.9 PILL
00:30	06:00	5.5	TRIP OUT OF HOLE, BACK REAM. CASING POINT 2/6/2009 @ 00:30 HRS.
NO ACCIDENTS / INCIDENTS			

NO RIG REPAIRS:  
 FULL CREWS  
 SAFETY MEETING # 1 DRILLING  
 SAFETY MEETING # 2 HOUSE KEEPING  
 FUEL ON HAND 5087 GLS, USED 1359 GLS  
 TEST CROWN-O-MATIC, BOP DRILL  
 UNMANNED LOGGER DAY 4  
 RELEASED UNMANNED LOGGER, 2/5/2009 ( DAY 4)

<b>02-07-2009</b>		<b>Reported By</b>		DUANE C WINKLER							
<b>Daily Costs: Drilling</b>	\$112,432	<b>Completion</b>	\$151,798	<b>Daily Total</b>	\$264,230						
<b>Cum Costs: Drilling</b>	\$626,667	<b>Completion</b>	\$157,772	<b>Well Total</b>	\$784,439						
<b>MD</b>	7,237	<b>TVD</b>	7,237	<b>Progress</b>	0	<b>Days</b>	5	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>			<b>Perf :</b>	<b>PKR Depth : 0.0</b>						

Activity at Report Time: RDRT/WO COMPLETION

Start	End	Hrs	Activity Description
06:00	09:00	3.0	TRIP OUT OF HOLE, 2/6/2009 NOTIFIED VERNAL BLM, EMAIL START RUN CASING @ 10:00 AM
09:00	17:00	8.0	RUN CASING A TOTAL OF 165 JTS 4 1/2" X 11.6 # P110 CASING, FLOAT SHOE @ 7237', FLOAT COLLAR @ 7189', MARKER JOINTS @ 6600' & 3970' AND TWENTY CENTRALIZERS, 2/6/2009 @ 1000 HRS NOTIFIED BLM VERNAL OFFICE,(EMAIL) JAMIE SPARGER 435-781-4502, RUN CASING AND CEMENTING.
17:00	18:00	1.0	RIG DOWN CASING EQUIPMENT, RIG UP CEMENT EQUIPMENT, THIRD PARTY SAFETY MEETING
18:00	20:00	2.0	TEST LINES TO 5000 PSI. PUMP 20 BBLs CHEMICAL WASH AND 20 BBLs WATER SPACER. MIXED AND PUMPED 250 SKS G + ADDITIVES (YIELD 2.98) AT 11.5 PPG WITH 18.24 GPS H2O.(133 BC), MIXED AND PUMPED TAIL 965 SKS 50:50 POZ G + ADDITIVES (YIELD 1.29) AT 14.1 PPG WITH 5.98 GPS H2O. (222 BC ) DISPLACED TO FLOAT COLLAR WITH 112 BBL H2O WITH 2 GAL/1000 LO64 FRESH WATER. AVG MIX AND DISPLACEMENT RATE 6 BPM. FINAL PUMP PRESSURE 1850 PSI AT 4 BPM. BUMPED PLUG TO 2850 PSI. BLEED OFF PRESSURE, FLOATS HELD.
20:00	21:00	1.0	RIG DOWN CEMENT EQUIP. INSTALL PACKOFF ON DTO HANGER.
21:00	01:00	4.0	NIPPLE DOWN BOPE, CLEAN TANKS.
01:00	06:00	5.0	RDRT.

EMAILED BLM VERNAL JAMIE SPARGER ON 2/6/2009 RIG MOVE ON 2/7/2009 TO 664-24E @ 0730 AND BOPE TEST 1600 HRS, TRANSFERED FROM NBU 665-24E TO NBU 664-24E 3 JTS 4.5 N80 X 11.6 X LTC CASING (122.32') AND 4 JTS 4.5 P110 X 11.6# LTC (174.33), 4006 GLS DIESEL, RIG MOVE IS APPROXIMATLY 1 MILE

NO ACCIDENTS / INCIDENTS

NO RIG REPAIRS:

FULL CREWS

SAFETY MEETING # 1 RUN CASING

SAFETY MEETING # 2 THIRD PARTY SAFETY MEETING

FUEL ON HAND 4006 GLS,

TEST CROWN-O-MATIC, BOP DRILL

UNMANNED LOGGER DAY 4

06:00 RELEASED RIG ON 2/6/2009 @ 01:00 HRS.  
 CASING POINT COST \$574,677

02-11-2009      Reported By      SEARLE

Daily Costs: Drilling      \$0      Completion      \$38,917      Daily Total      \$38,917

Cum Costs: Drilling      \$626,667      Completion      \$196,689      Well Total      \$823,356

MD      7,237      TVD      7,237      Progress      0      Days      6      MW      0.0      Visc      0.0

Formation :      PBD : 7189.0      Perf :      PKR Depth : 0.0

Activity at Report Time: PREP FOR FRACS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBD TO 190'. EST CEMENT TOP ABOVE 190'. RD SCHLUMBERGER.

**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-22790</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.		7. UNIT or CA AGREEMENT NAME: <b>Natural Buttes</b>
		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 665-24E</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: <b>43-047-50018</b>	
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>	10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>	
3. ADDRESS OF OPERATOR: <b>1060 East Highway 40</b> <b>Vernal</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 781-9145</b>	
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1950' FSL &amp; 660' FEL 39.931214 LAT 109.606567 LON</b>		COUNTY: <b>UTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 24 10S 20E S</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
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	<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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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><b>Drilling Operations</b></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.

No activity has occurred since 4/29/2009. Waiting on completion operations.

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>

(This space for State use only)

**RECEIVED**  
**MAY 11 2009**  
DIV. OF OIL, GAS & MINING

**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.

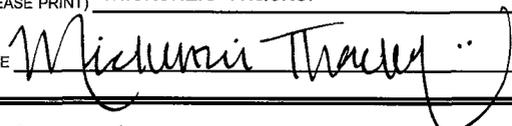
		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-22790</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>Natural Buttes</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>Natural Buttes Unit 665-24E</b>
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		9. API NUMBER: <b>43-047-50018</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) 781-9145</b>	10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: <b>1950' FSL &amp; 660' FEL 39.931214 LAT 109.606567 LON</b>		COUNTY: <b>UTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 24 10S 20E S</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 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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>Drilling Operations</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.

Completion operations began on 5/12/2009. Please see the attached well chronology.

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

(This space for State use only)

**RECEIVED**  
**MAY 18 2009**

DIV. OF OIL, GAS & MINING

02-11-2009 Reported By SEARLE  
**Daily Costs: Drilling** \$0 **Completion** \$38,917 **Daily Total** \$38,917  
**Cum Costs: Drilling** \$626,667 **Completion** \$196,689 **Well Total** \$823,356  
**MD** 7,237 **TVD** 7,237 **Progress** 0 **Days** 6 **MW** 0.0 **Visc** 0.0  
**Formation :** **PBTD :** 7189.0 **Perf :** **PKR Depth :** 0.0  
**Activity at Report Time:** PREP FOR FRACS  
**Start** **End** **Hrs** **Activity Description**  
 06:00 06:00 24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 190'. EST CEMENT TOP ABOVE 190'. RD SCHLUMBERGER.

05-08-2009 Reported By WHITEHEAD  
**Daily Costs: Drilling** \$0 **Completion** \$1,075 **Daily Total** \$1,075  
**Cum Costs: Drilling** \$626,667 **Completion** \$197,764 **Well Total** \$824,431  
**MD** 7,237 **TVD** 7,237 **Progress** 0 **Days** 7 **MW** 0.0 **Visc** 0.0  
**Formation :** **PBTD :** 7189.0 **Perf :** **PKR Depth :** 0.0  
**Activity at Report Time:** PREP FOR COMPLETION  
**Start** **End** **Hrs** **Activity Description**  
 06:00 06:00 24.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.

05-12-2009 Reported By MCCURDY  
**Daily Costs: Drilling** \$0 **Completion** \$141,434 **Daily Total** \$141,434  
**Cum Costs: Drilling** \$626,667 **Completion** \$339,198 **Well Total** \$965,866  
**MD** 7,237 **TVD** 7,237 **Progress** 0 **Days** 7 **MW** 0.0 **Visc** 0.0  
**Formation :** WASATCH **PBTD :** 7189.0 **Perf :** 5169 - 6833' **PKR Depth :** 0.0  
**Activity at Report Time:** PREP TO MIRUSU  
**Start** **End** **Hrs** **Activity Description**  
 06:00 06:00 24.0 RU CUTTERS WIRELINE & PERFORATE NORTH HORN FROM 6833-34, 6847'-48', 6886'-87', 6893'-94', 6946'-47', 6987'-88', 7022'-23', 7032'-33', 7043'-44', 7070'-71', 7081'-82', 7101'-02' @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/165 GAL GYPTRON T-106, 16002 GAL 16# LINEAR W/1-1.5# 20/40 SAND, 25627 GAL 16# DELTA 140 W/103100# 20/40 SAND @ 2-4 PPG. MTP 5455 PSIG. MTR 52.3 BPM. ATP 4937 PSIG. ATR 42.7 BPM. ISIP 3120 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 6811'. PERFORATE Ba/NH FROM 6588'-90', 6607'-08', 6638'-39', 6647'-48', 6675'-76', 6708'-09', 6714'-15', 6739'-41', 6755'-56', 6789'-90' @ @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/165 GAL GYPTRON T-106, 7528 GAL 16# LINEAR W/1-1.5# 20/40 SAND, 27594 GAL 16# DELTA 140 W/99100# 20/40 SAND @ 2-4 PPG. MTP 7130 PSIG. MTR 52.6 BPM. ATP 5793 PSIG. ATR 38.7 BPM. ISIP 3315 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 6560'. PERFORATE Ba FROM 6397'-98', 6401'-03', 6443'-44', 6448'-50', 6454'-55', 6489'-90', 6509'-10', 6528'-29', 6539'-41' @ @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING WITH 7411 GAL 16# LINEAR W/1-1.5# 20/40 SAND, 25451 GAL 16# DELTA 140 W/90400# 20/40 SAND @ 2-4 PPG. MTP 6406 PSIG. MTR 50.5 BPM. ATP 4152 PSIG. ATR 44 BPM. ISIP 2415 PSIG. RD HALLIBURTON.

RUWL SET 6K CFP AT 5810'. PERFORATE Ca/Ba FROM 5586'-87', 5598'-99', 5646'-47', 5728'-29', 5736'-37', 5769'-71', 5773'-75', 5781'-84' @ @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING WITH 18218 GAL 16# DELTA 140 W/55100# 20/40 SAND @ 2-4 PPG. MTP 6166 PSIG. MTR 50.1 BPM. ATP 4294 PSIG. ATR 41.5 BPM. ISIP 2480 PSIG. RD HALLIBURTON.

NO RIG REPAIRS:  
 FULL CREWS  
 SAFETY MEETING # 1 DRILLING  
 SAFETY MEETING # 2 HOUSE KEEPING  
 FUEL ON HAND 5087 GLS, USED 1359 GLS  
 TEST CROWN-O-MATIC, BOP DRILL  
 UNMANNED LOGGER DAY 4  
 RELEASED UNMANNED LOGGER, 2/5/2009 ( DAY 4)

**02-07-2009**      **Reported By**      DUANE C WINKLER

<b>Daily Costs: Drilling</b>	\$112,432	<b>Completion</b>	\$151,798	<b>Daily Total</b>	\$264,230
<b>Cum Costs: Drilling</b>	\$626,667	<b>Completion</b>	\$157,772	<b>Well Total</b>	\$784,439

**MD**      7,237      **TVD**      7,237      **Progress**      0      **Days**      5      **MW**      0.0      **Visc**      0.0

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

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

Start	End	Hrs	Activity Description
06:00	09:00	3.0	TRIP OUT OF HOLE, 2/6/2009 NOTIFIED VERNAL BLM, EMAIL START RUN CASING @ 10:00 AM
09:00	17:00	8.0	RUN CASING A TOTAL OF 165 JTS 4 1/2" X 11.6 # P110 CASING, FLOAT SHOE @ 7237', FLOAT COLLAR @ 7189', MARKER JOINTS @ 6600' & 3970' AND TWENTY CENTRALIZERS, 2/6/2009 @ 1000 HRS NOTIFIED BLM VERNAL OFFICE,(EMAIL) JAMIE SPARGER 435-781-4502, RUN CASING AND CEMENTING.
17:00	18:00	1.0	RIG DOWN CASING EQUIPMENT, RIG UP CEMENT EQUIPMENT, THIRD PARTY SAFETY MEETING
18:00	20:00	2.0	TEST LINES TO 5000 PSI. PUMP 20 BBLs CHEMICAL WASH AND 20 BBLs WATER SPACER. MIXED AND PUMPED 250 SKS G + ADDITIVES (YIELD 2.98) AT 11.5 PPG WITH 18.24 GPS H2O.(133 BC), MIXED AND PUMPED TAIL 965 SKS 50:50 POZ G + ADDITIVES (YIELD 1.29) AT 14.1 PPG WITH 5.98 GPS H2O. (222 BC ) DISPLACED TO FLOAT COLLAR WITH 112 BBL H2O WITH 2 GAL/1000 LO64 FRESH WATER. AVG MIX AND DISPLACEMENT RATE 6 BPM. FINAL PUMP PRESSURE 1850 PSI AT 4 BPM. BUMPED PLUG TO 2850 PSI. BLEED OFF PRESSURE, FLOATS HELD.
20:00	21:00	1.0	RIG DOWN CEMENT EQUIP, INSTALL PACKOFF ON DTO HANGER.
21:00	01:00	4.0	NIPPLE DOWN BOPE, CLEAN TANKS.
01:00	06:00	5.0	RDRT.

EMAILED BLM VERNAL JAMIE SPARGER ON 2/6/2009 RIG MOVE ON 2/7/2009 TO 664-24E @ 0730 AND BOPE TEST 1600 HRS, TRANSFERED FROM NBU 665-24E TO NBU 664-24E 3 JTS 4.5 N80 X 11.6 X LTC CASING (122.32') AND 4 JTS 4.5 P110 X 11.6# LTC (174.33), 4006 GLS DIESEL, RIG MOVE IS APPROXIMATLY 1 MILE

NO ACCIDENTS / INCIDENTS  
 NO RIG REPAIRS:  
 FULL CREWS  
 SAFETY MEETING # 1 RUN CASING  
 SAFETY MEETING # 2 THIRD PARTY SAFETY MEETING  
 FUEL ON HAND 4006 GLS,  
 TEST CROWN-O-MATIC, BOP DRILL  
 UNMANNED LOGGER DAY 4

06:00      RELEASED RIG ON 2/6/2009 @ 01:00 HRS.  
 CASING POINT COST \$574,677

RUWL SET 6K CFP AT 5440'. PERFORATE Ca/Ba FROM 5169'-70', 5170'-71' (MISFIRE), 5176'-78', 5186'-88', 5192'-94', 5379'-80', (5380'-81' MISFIRED), 5388'-90' @ @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING WITH 25943 GAL 16# DELTA 140 W/84200# 20/40 SAND @ 2-4 PPG. MTP 5340 PSIG. MTR 50.3 BPM. ATP 4142 PSIG. ATR 43.8 BPM. ISIP 2570 PSIG. RD HALLIBURTON.

RUWL. SET 10K CBP AT 5086'. RDWL.

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<b>05-13-2009</b>	<b>Reported By</b>	HISLOP									
<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$14,028	<b>Daily Total</b>	\$14,028						
<b>Cum Costs: Drilling</b>	\$626,667	<b>Completion</b>	\$353,226	<b>Well Total</b>	\$979,894						
<b>MD</b>	7,237	<b>TVD</b>	7,237	<b>Progress</b>	0	<b>Days</b>	8	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : WASATCH</b>		<b>PBTD : 7189.0</b>		<b>Perf : 5169 - 6833'</b>				<b>PKR Depth : 0.0</b>			
<b>Activity at Report Time: CLEAN OUT AFTER FRAC</b>											
<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>								
06:00	06:00	24.0	MIRUSU. ND FRAC TREE. NU BOP. RIH W/BIT & PUMP OFF SUB TO 5086'. SDFN.								

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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>ML-22790</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 665-24E</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) 781-9145</b>	9. API NUMBER: <b>43-047-50018</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1950' FSL &amp; 660' FEL 39.931214 LAT 109.606567 LON</b>			10. FIELD AND POOL, OR WLD CAT: <b>Natural Buttes</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 24 10S 20E S</b>			COUNTY: <b>UTAH</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"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION (START/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"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____			

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

The referenced well was turned to sales on 5/19/2009. Please see the attached operations summary report for drilling and completion operations performed on the subject well.

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

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**RECEIVED**

**MAY 26 2009**

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

RUWL SET 6K CFP AT 5440'. PERFORATE Ca/Ba FROM 5169'-70', 5170'-71' (MISFIRE), 5176'-78', 5186'-88', 5192'-94', 5379'-80', (5380'-81' MISFIRED), 5388'-90' @ @ 3 SPF @ 120° PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING WITH 25943 GAL 16# DELTA 140 W/84200# 20/40 SAND @ 2-4 PPG. MTP 5340 PSIG. MTR 50.3 BPM. ATP 4142 PSIG. ATR 43.8 BPM. ISIP 2570 PSIG. RD HALLIBURTON.

RUWL. SET 10K CBP AT 5086'. RDWL.

**05-13-2009**      **Reported By**                      HISLOP

**Daily Costs: Drilling**              \$0    **Completion**              \$14,028                                      **Daily Total**              \$14,028

**Cum Costs: Drilling**              \$626,667                                      **Completion**              \$353,226                                      **Well Total**              \$979,894

**MD**              7,237      **TVD**              7,237      **Progress**              0      **Days**              8      **MW**              0.0      **Visc**              0.0

**Formation :** WASATCH                      **PBTD :** 7189.0                                      **Perf :** 5169 - 6833'                                      **PKR Depth :** 0.0

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

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

06:00      06:00      24.0      MIRUSU. ND FRAC TREE. NU BOP. RIH W/BIT & PUMP OFF SUB TO 5086'. SDFN.

**05-14-2009**      **Reported By**                      HISLOP

**Daily Costs: Drilling**              \$0    **Completion**              \$42,415                                      **Daily Total**              \$42,415

**Cum Costs: Drilling**              \$626,667                                      **Completion**              \$395,641                                      **Well Total**              \$1,022,309

**MD**              7,237      **TVD**              7,237      **Progress**              0      **Days**              9      **MW**              0.0      **Visc**              0.0

**Formation :** WASATCH                      **PBTD :** 7189.0                                      **Perf :** 5169 - 6833'                                      **PKR Depth :** 0.0

**Activity at Report Time:** FLOW TEST

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

06:00      06:00      24.0      SICP 0 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 5086', 5440', 5810', 6560' & 6810'. CLEANED OUT TO PBTD @ 7189'. LANDED TUBING @ 5171' KB. ND BOP. NU TREE. PUMPED OFF BIT & SUB. RDMOSU.

FLOWED 17 HRS. 32/64" CHOKE. FTP 200 PSIG. CP 500 PSIG. 47 BFPH. RECOVERED 882 BLW. 3718 BLWTR.

FINAL COMPLETION: 5/13/09

TUBING DETAIL      LENGTH

PUMP OFF BIT SUB      0.91'  
 1 JT 2-3/8" 4.7# N-80 TBG (YB)      32.56'  
 XN NIPPLE      1.30'  
 159 JTS 2-3/8" 4.7# N-80 TBG (YB)      5123.53'  
 BELOW KB      13.00'  
 LANDED @      5171.30' KB

**05-15-2009**      **Reported By**                      HISLOP

**Daily Costs: Drilling**              \$0    **Completion**              \$6,550                                      **Daily Total**              \$6,550

**Cum Costs: Drilling**              \$626,667                                      **Completion**              \$402,191                                      **Well Total**              \$1,028,859

**MD**              7,237      **TVD**              7,237      **Progress**              0      **Days**              10      **MW**              0.0      **Visc**              0.0

**Formation :** WASATCH                      **PBTD :** 7189.0                                      **Perf :** 5169 - 6833'                                      **PKR Depth :** 0.0

**Activity at Report Time:** FLOW TEST

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

06:00      06:00      24.0      FLOWED 17 HRS. 32/64" CHOKE. FTP 400 PSIG. CP 1300 PSIG. 52 BFPH. RECOVERED 1238 BLW. 2480 BLWTR.

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**MAY 26 2009**  
 DIV. OF OIL, GAS & MINING

05-16-2009 Reported By HISLOP

Daily Costs: Drilling \$0 Completion \$1,970 Daily Total \$1,970

Cum Costs: Drilling \$626,667 Completion \$404,161 Well Total \$1,030,829

MD 7,237 TVD 7,237 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation : WASATCH PBTD : 7189.0 Perf : 5169 - 6833' PKR Depth : 0.0

Activity at Report Time: FLOW TEST

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 24 HRS. 32/64" CHOKE. FTP 450 PSIG. CP 1200 PSIG. 34 BFPH. RECOVERED 912 BLW. 1568 BLWTR.

05-17-2009 Reported By HISLOP

Daily Costs: Drilling \$0 Completion \$3,170 Daily Total \$3,170

Cum Costs: Drilling \$626,667 Completion \$407,331 Well Total \$1,033,999

MD 7,237 TVD 7,237 Progress 0 Days 12 MW 0.0 Visc 0.0

Formation : WASATCH PBTD : 7189.0 Perf : 5169 - 6833' PKR Depth : 0.0

Activity at Report Time: FLOW TESTING

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 24 HRS. 32/64" CHOKE. FTP 500 PSIG. CP 1100 PSIG. 30 BFPH. RECOVERED 737 BLW. 831 BLWTR.

05-18-2009 Reported By HISLOP

Daily Costs: Drilling \$0 Completion \$1,970 Daily Total \$1,970

Cum Costs: Drilling \$626,667 Completion \$409,301 Well Total \$1,035,969

MD 7,237 TVD 7,237 Progress 0 Days 13 MW 0.0 Visc 0.0

Formation : WASATCH PBTD : 7189.0 Perf : 5169 - 6833' PKR Depth : 0.0

Activity at Report Time: PREP TO TURN TO SALES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 24 HRS. 24/64" CHOKE. FTP 700 PSIG. CP 1200 PSIG. 17 BFPH. RECOVERED 458 BLW. 2210 BLWTR. TURN WELL OVER TO PRODUCTION DEPARTMENT.

05-20-2009 Reported By DUANE COOK

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

Cum Costs: Drilling \$626,667 Completion \$409,301 Well Total \$1,035,969

MD 7,237 TVD 7,237 Progress 0 Days 14 MW 0.0 Visc 0.0

Formation : WASATCH PBTD : 7189.0 Perf : 5169 - 6833' PKR Depth : 0.0

Activity at Report Time: INITIAL PRODUCTION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	INITIAL PRODUCTION. OPENING PRESSURE: TP 1650 PSIG & CP 1800 PSIG. TURNED WELL OVER TO KERR-MAGEE SALES AT 11:00 AM, 5/19/09. FLOWED 1030 MCFD RATE ON 12/64" CHOKE. STATIC 412. KERR-MAGEE METER #985784.

05-21-2009 Reported By DUANE COOK

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

Cum Costs: Drilling \$626,667 Completion \$409,301 Well Total \$1,035,969

MD 7,237 TVD 7,237 Progress 0 Days 15 MW 0.0 Visc 0.0

Formation : WASATCH PBTD : 7189.0 Perf : 5169 - 6833' PKR Depth : 0.0

Activity at Report Time: ON SALES

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	FLOWED 765 MCF, 0 BC & 28 BW IN 24 HRS ON 12/64" CHOKE, TP 1550 PSIG & CP 1760 PSIG.

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**RECEIVED**  
**MAY 26 2009**  
DIV. OF OIL, GAS & MINING

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**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-22790**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME  
**Natural Buttes Unit**

8. WELL NAME and NUMBER:  
**Natural Buttes Unit 665-24E**

9. API NUMBER:  
**43-047-50018**

10. FIELD AND POOL, OR WILDCAT  
**Natural Buttes**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NESE 24 10S 20E S**

12. COUNTY  
**Uintah**

13. STATE  
**UTAH**

14. DATE SPUDDED: **12/24/2008**

15. DATE T.D. REACHED: **2/5/2009**

16. DATE COMPLETED: **5/19/2009**

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5234' NAT GL**

18. TOTAL DEPTH: MD **7,237**

19. PLUG BACK T.D.: MD **7,189**

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)  
**RST/CBL/CCL/VDL/GR**

23.  
WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (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	2,451		750		0	
7.875	4.5 P-110	11.6	0	7,237		1215		190	

**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	5,171							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	5,169	7,102			6,833 7,102		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6,588 6,790		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					6,397 6,541		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					5,586 5,784		3	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6833-7102	41,794 GALS GELLED WATER & 103,100# 20/40 SAND
6588-6790	35,287 GALS GELLED WATER & 99,100# 20/40 SAND
6397-6541	32,862 GALS GELLED WATER & 90,400# 20/40 SAND

**29. ENCLOSED ATTACHMENTS:**

- ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
 GEOLOGIC REPORT  
 CORE ANALYSIS  
 DST REPORT  
 OTHER:  
 DIRECTIONAL SURVEY

**30. WELL STATUS:**

Producing

**RECEIVED**

**JUN 09 2009**

DIV. OF OIL, GAS & MINING

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: <b>5/19/2009</b>		TEST DATE: <b>5/25/2009</b>		HOURS TESTED: <b>24</b>		TEST PRODUCTION RATES: →	OIL – BBL: <b>0</b>	GAS – MCF: <b>629</b>	WATER – BBL: <b>90</b>	PROD. METHOD: <b>Flows</b>
CHOKE SIZE: <b>12/64"</b>	TBG. PRESS. <b>1,375</b>	CSG. PRESS. <b>1,750</b>	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: <b>0</b>	GAS – MCF: <b>629</b>	WATER – BBL: <b>90</b>	INTERVAL STATUS: <b>Producing</b>

**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.)**

**Sold**

**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	5,169	7,102		Green River Birds Nest Mahogany Uteland Butte Wasatch Chapita Wells Buck Canyon	1,172 1,448 1,880 4,302 4,442 5,027 5,761

**35. ADDITIONAL REMARKS (Include plugging procedure)**

See attached page for additional information.

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

NAME (PLEASE PRINT) Mary A. Maestas TITLE Regulatory Assistant  
 SIGNATURE *Mary A. Maestas* DATE 6/5/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- 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  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

**Natural Buttes Unit 665-24E - ADDITIONAL REMARKS (CONTINUED):**

**26. PERFORATION RECORD**

5169-5390	3/spf
-----------	-------

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

5586-5784	18,218 GALS GELLED WATER & 55,100# 20/40 SAND
5169-5390	25,943 GALS GELLED WATER & 84,200# 20/40 SAND

Perforated the North Horn from 6833-34', 6847-48', 6886-87', 6893-94', 6946-47', 6987-88', 7022-23', 7032-33', 7043-44', 7070-71', 7081-82', 7101-02' w/ 3 spf.

Perforated the Ba/North Horn from 6588-90', 6607-08', 6638-39', 6647-48', 6675-76', 6708-09', 6714-15', 6739-41', 6755-56', 6789-90' w/ 3 spf.

Perforated the Ba from 6397-98', 6401-03', 6443-44', 6448-50', 6454-55', 6489-90', 6509-10', 6528-29', 6539-41' w/ 3 spf.

Perforated the Ca/Ba from 5586-87', 5598-99', 5646-47', 5728-29', 5736-37', 5769-71', 5773-75', 5781-84' w/ 3 spf.

Perforated the Ca/Ba from 5169-70', 5176-78', 5186-88', 5192-94', 5379-80', 5388-90' w/ 3 spf.

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

Well name and number: NBU 665-24E

API number: 4304750018

Well Location: QQ NESE Section 24 Township 10S Range 20E County UINTAH

Well operator: EOG

Address: 1060 E HWY 40

city VERNAL state UT zip 84078

Phone: (435) 781-9111

Drilling contractor: CRAIGS ROUSTABOUT SERVICE

Address: PO BOX 41

city JENSEN state UT zip 84035

Phone: (435) 781-1366

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
1,520	1,550	NO FLOW	NOT KNOWN

Formation tops:            1 \_\_\_\_\_            2 \_\_\_\_\_            3 \_\_\_\_\_  
 (Top to Bottom)            4 \_\_\_\_\_            5 \_\_\_\_\_            6 \_\_\_\_\_  
                                      7 \_\_\_\_\_            8 \_\_\_\_\_            9 \_\_\_\_\_  
                                      10 \_\_\_\_\_            11 \_\_\_\_\_            12 \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Mary A. Maestas

TITLE Regulatory Assistant

SIGNATURE *Mary A. Maestas*

DATE 6/5/2009

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

**ROUTING**

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

Designation of Agent/Operator  
 Merger

1. DJJ
2. CDW

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

<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 765-09E	09	100S	210E	4304738633	2900	Federal	GW	P
NBU 665-24E	24	100S	200E	4304750018	2900	State	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/10/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/10/2009
- Bond information entered in RBDMS on: 6/10/2009
- Fee/State wells attached to bond in RBDMS on: 6/10/2009
- 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 )

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-22790**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:  
**Natural Buttes**

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

8. WELL NAME and NUMBER:  
**Natural Buttes Unit 665-24E**

2. NAME OF OPERATOR:  
**EOG Resources, Inc.**

9. API NUMBER:  
**43-047-50018**

3. ADDRESS OF OPERATOR:  
600 17th St. Suite 1000N CITY **Denver** STATE **CO** ZIP **80202**

PHONE NUMBER:  
**(303) 824-5526**

10. FIELD AND POOL, OR WILDCAT:  
**Natural Buttes**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **1950' FSL & 660' FEL 39.931214 LAT 109.606567 LON**

COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESE 24 10S 20E S**

STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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"/> 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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) Mary A. Maestas

TITLE Regulatory Assistant

SIGNATURE Mary A. Maestas

DATE 6/30/2009

(This space for State use only)

**RECEIVED**

**JUL 02 2009**

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

# Geogresources Site Facility Diagram



Well Name: NATURAL BUTTES UNIT 665-24E

1/4 1/4:NE/SE Sec: 24 T:10S R:20E

County:UINTAH State:UTAH

Lease: ML-22790

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 6/29/2009

## 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

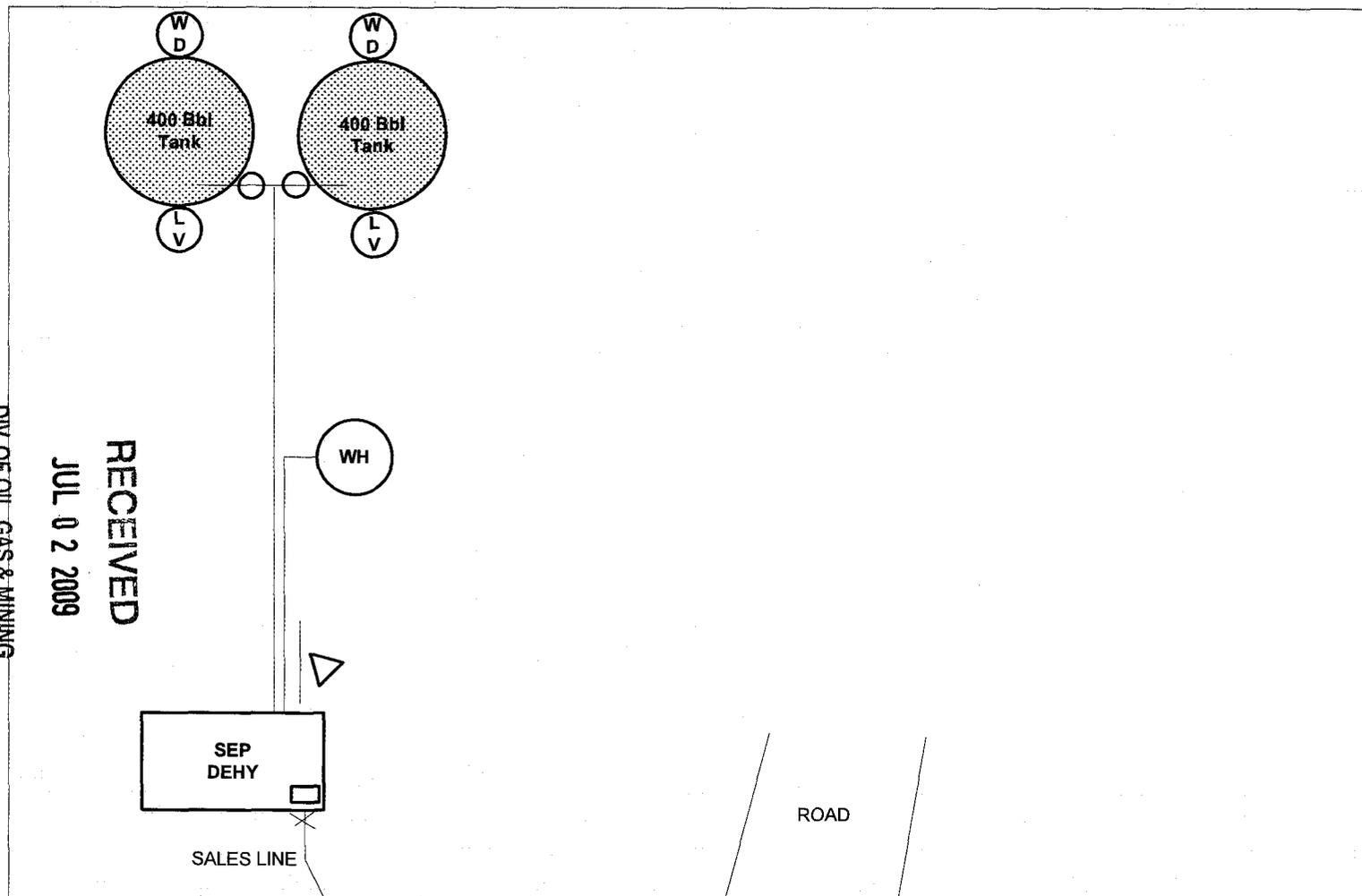
----- = Buried Line  
 \_\_\_\_\_ = Unburied Line

◁ = Meter Display

◻ = Meter Tube

○ = Production Valve

× = Valve



DIV. OF OIL, GAS & MINING

RECEIVED  
 JUL 02 2009

**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-22790</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 665-24E</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>43-047-50018</b>
		10. FIELD AND POOL, OR WLDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1950' FSL &amp; 660' FEL 39.931214 LAT 109.606567 LON</b>		COUNTY: <b>UTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 24 10S 20E S</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 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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>7/31/2009</b>	<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>Pit closure</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 reserve pit on the referenced location was closed on 7/31/2009 as per the APD procedure.

NAME (PLEASE PRINT) <u>Mary A. Maestas</u>	TITLE <u>Regulatory Assistant</u>
SIGNATURE	DATE <u>8/11/2009</u>

(This space for State use only)

**RECEIVED**  
**AUG 20 2009**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

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

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
EOG Resources, Inc

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

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

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

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

8. Well Name and No.  
Multiple Wells

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area  
Natural Buttes

11. Country or Parish, State  
Utah, Utah

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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-SWNNW
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-NWNNW
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-NWNNW
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-SWNNW
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-NWNNW
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-SWNNW
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-NWNNW
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-SWNNW
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-NWNNW
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-SWNNW
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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<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-22790
<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 665-24E
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047500180000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1950 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 24 Township: 10.0S Range: 20.0E 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"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/1/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THIS WELL RETURNED TO PRODUCTION ON 10/29/2010.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 01, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/1/2010

<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>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22790
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>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>8. WELL NAME and NUMBER:</b> NBU 665-24E
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>9. API NUMBER:</b> 43047500180000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1950 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 24 Township: 10.0S Range: 20.0E 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		
<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: 7/26/2011	<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 07/26/2011.		
<p style="margin: 0;"><b>Accepted by the</b></p> <p style="margin: 0;"><b>Utah Division of</b></p> <p style="margin: 0;"><b>Oil, Gas and Mining</b></p> <p style="margin: 0;"><b>FOR RECORD ONLY</b></p>		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/5/2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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		<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 665-24E
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>9. API NUMBER:</b> 43047500180000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1950 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 24 Township: 10.0S Range: 20.0E Meridian: S		<b>PHONE NUMBER:</b> 720 929-6111
		<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"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/10/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
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	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
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	<input type="checkbox"/> RECLAMATION OF WELL SITE	
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;"> <b>THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 2/10/2014            FROM A SHUT-IN STATUS.</b> </p> <div style="text-align: right; margin-top: 20px;"> <p> <b>Accepted by the            Utah Division of            Oil, Gas and Mining</b>  <b>FOR RECORD ONLY</b>            April 25, 2014         </p> </div>		
<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/19/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 665-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1950 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 24 Township: 10.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047500180000
5. FIELD and POOL or WILDCAT: NATURAL BUTTES	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
6. COUNTY: UINTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/18/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE NBU 665-24E WELL WAS RETURNED TO PRODUCTION ON  
4/18/2016. THANK YOU.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 April 25, 2016**

<b>NAME (PLEASE PRINT)</b> Jennifer Thomas	<b>PHONE NUMBER</b> 720 929-6808	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/21/2016	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 665-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1950 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 24 Township: 10.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047500180000
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	COUNTY: Uintah
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	STATE: UTAH

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/3/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 665-24E well. Please see the attached procedure for details. Thank you.

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** November 17, 2016  
**By:** 

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 10/3/2016	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43047500180000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
  - 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
  - 4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
  - 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

11/17/2016

# Wellbore Diagram

r263

API Well No: 43-047-50018-00-00 Permit No: Well Name/No: NBU 665-24E

Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Location: Sec: 24 T: 10S R: 20E Spot: NESE

Coordinates: X: 619065 Y: 4421055

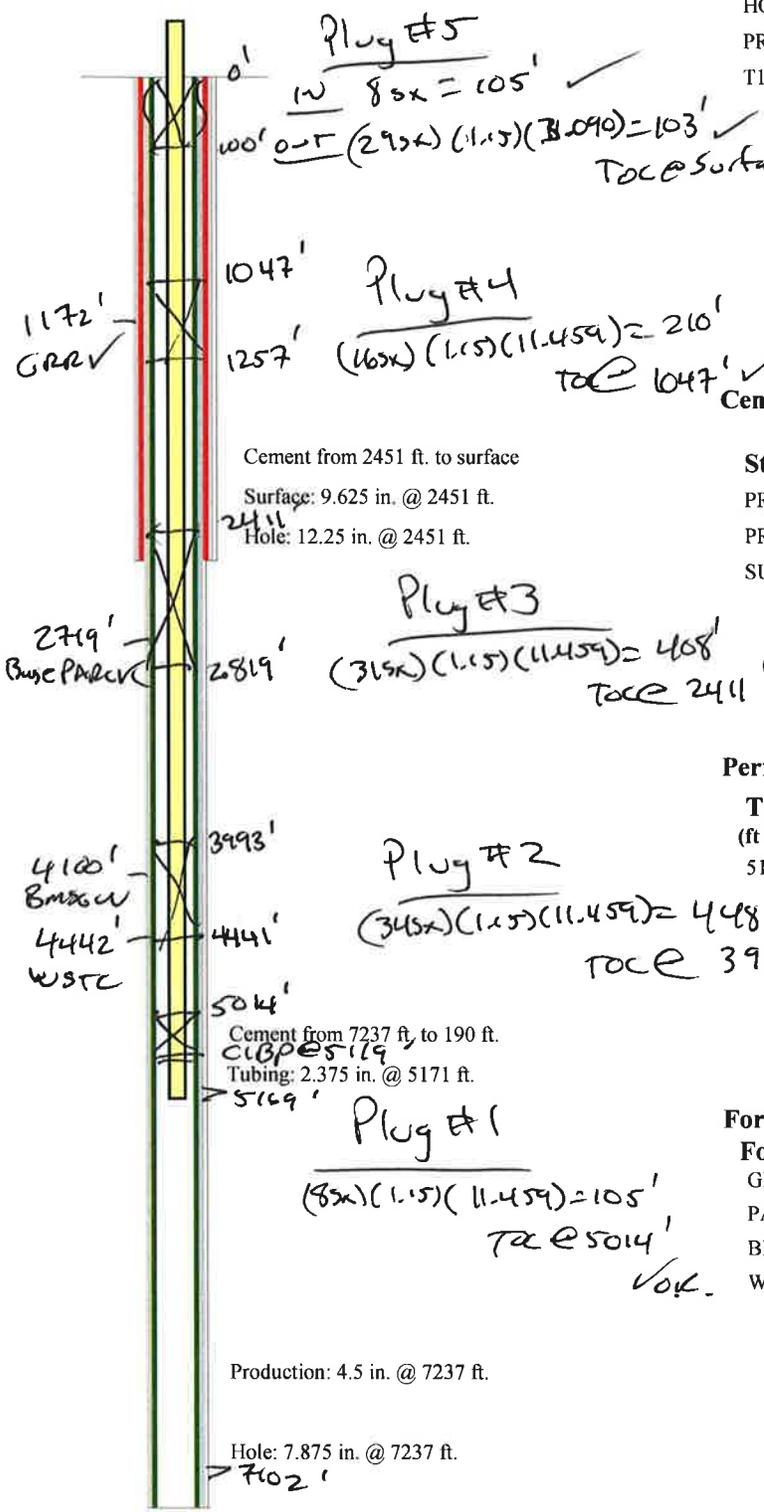
Field Name: NATURAL BUTTES

County Name: Uintah

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (F(CF))
HOL1	2451	12.25			
SURF	2451	9.625	36	2451	
HOL2	7237	7.875			
PROD	7237	4.5	11.6	7237	11.459
T1	5171	2.375			

$9\frac{5}{8} \times 4\frac{1}{2} \rightarrow 3090$



TD: 7237 TVD: 7237 PBD: 7189

**NBU 665-24E**  
**1950' FSL & 660' FEL**  
**NESE SEC. 24, T10S, R20E**  
**UINTAH UT**

**KBE:** 5247'  
**GLE:** 5234'  
**TD:** 7237'  
**PBTD:** 7189'

**API NUMBER:** 4304750018  
**LEASE NUMBER:** ML-22790  
**LAT/LONG:** 39.931245/-109.606559

**CASING :** 12.25" hole  
**SURFACE** 9.625" 36# J-55 @ 2464'

**PRODUCTION** 7.875" hole  
 4.5" 11.6# P-110 @ 7237'  
 Est. TOC @ 700' CBL

**PERFORATIONS:** WASATCH TOP-BOTTOM 5169'-7102'

**TUBING:** 2.375" 4.7# TBG at 5171'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# P-110 csg	4	3.875	7580	10690	0.65282	0.08727	0.01554
9.625" 36# J-55 csg	8.921	8.765	2020	3520	3.24699	0.43406	0.07731

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

**GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Top Green River	1152'
Top Mahogany	1850'
Base Parachute	2719'
Top Wasatch	4441'

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

BMSW Elevation ~1147' MSL  
 BMSW Depth ~4100'

**NBU 665-24E PLUG & ABANDONMENT PROCEDURE**

**GENERAL**

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

PERTINENT WELL HISTORY: No w/o since completion on 5/15/09

**PROCEDURE Note:** Approx. **126 SXS** Class "G" cement needed for procedure & **(1) 4.5" CIBP**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE PERFORATIONS (7102'-5169'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~5119', (50' above top perf at 5169'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 5119' to 5014'(8 SXS, 9.16 FT3, 1.64 BBLS).
4. PROTECT WASATCH TOP (4441') & BMSW (4100'): PUH WITH TUBING AND PUMP A MINIMUM OF (446FT) CMT F/ 4441' to 3995' (34 SXS, 38.93 FT3, 6.93 BBLS).
5. PROTECT PARACHUTE BASE (2719') & CASING SHOE (2464'): PUH WITH TUBING AND PUMP A MINIMUM OF (407FT) CMT F/ 2819' to 2412 (31 SXS, 35.50 FT3, 6.32 BBLS).
6. PROTECT GREEN RIVER (1152'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1257' to 1047' (16 SXS, 18.32 FT3, 3.27 BBLS).
7. PROTECT SURFACE (101'): PUH WITH TUBING AND PUMP A MINIMUM OF (105 FT) CMT F/ 105'-0' (8 SXS, 9.16 FT3, 1.64 BBLS). POOH AND RUN 1 INCH TUBING DOWN THE PRODUCTION/SURFACE CASING ANNULUS TO AS DEEP AS POSSIBLE AND CEMENT TO SURFACE (29 SXS, 33.21 FT3, 5.91 BBLS).
8. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22790
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 665-24E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1950 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 24 Township: 10.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047500180000
PHONE NUMBER: 720 929-6456	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: Uintah
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/15/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 665-24E well on 12/15/2016. Please see the operations summary report for details. Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 December 30, 2016**

<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/19/2016	

US ROCKIES REGION  
Operation Summary Report

Well: NBU 665-24E

Spud date: 2/3/2009

Project: UTAH-UINTAH

Site: NBU 665-24E

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 12/12/2016

End date: 12/15/2016

Active datum: RKB @5,247.00usft (above Mean Sea Level)

UWI: NBU 665-24E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/13/2016	12:00 - 14:00	2.00	ABANDP	30	A	P		MIRU.
	14:00 - 16:00	2.00	ABANDP	30	F	P		FCP 60 PSI, FTP 60 PSI, CONTROL TBG W/ 20 BBLS T-MAC, CSG W/ 15 BBLS T-MAC, ND WH UNLAND TBG NOT STUCK NU BOPS RU FLOOR UNLAND TBG L/D HANGER. SWI SDFN.
12/14/2016	7:00 - 7:30	0.50	ABANDP	48	B	P		HSM, SCANNING OUT TBG.
	7:30 - 11:30	4.00	ABANDP	45	A	P		SICP 100 BLEW WELL DWN RU & SCAN OUT W/ 160 JTS 23/8 J-55 156 YB 4 RED.LIGHT INT PITTINGJTS 1-42, & 104 - 160.LIGHT EXT SCALE JTS 119 -125, MEDIUM EXT SCALE JTS 126 -160.RD SCANTECH.
	11:30 - 15:30	4.00	ABANDP	31	I	P		PU 41/2 CIBP & 162 JTS 23/8 J-55 SET CIBP @ 5125', L/D JT 162 EOT @ 5115' RU CIRC HOLE W/ 75 BBLS T-MAC, TEST CSG TO 500 PSI OK SWI SDFN HSM, WORKING W/ CMT CREW.
12/15/2016	7:00 - 7:30	0.50	ABANDP	48	B	P		
	7:30 - 13:00	5.50	ABANDP	51	D	P		PUMPED 2.6 BBLS FRESH, 2 BBLS 10 SX 15.8# 1.15 YEILD G CMT, 1 FRESH, DISPL W/ 18.2 BBLS T-MAC. L/D 21 JTS EOT @ 4459'. PUMPED 2.6 FRESH, 7.3 BBLS 36 SXS 15.8# 1.15 YEILD G CMT, 1 FRESH, DISPL W/ 14.2 BBLS T-MAC. L/D 52 JTS EOT @ 2810' PUMPED 2.6 BBLS FRESH, 6.3 BBLS 31 SXS G CMT, 1 FRESH DISPL W/ 8.1 BBLS T-MAC. L/D 49 JTS EOT @ 1252'. PUMPED 2.6 FRESH, 3.27 BBLS 16 SXS 15.8# 1.15 YEILD G CMT, 1 FRESH DISPL W/ 2.9 BBLS T-MAC. L/D REM 39 JTS ND BOPS RIG BDOWN RIG, DIG & CUT OFF WH, TOP OFF 41/2 W/ SXS CMT, TOP OFF 95/8 W/ SXS CMT, WELD ON PLATE P&A COMPLETE MOVE OFF LOCATION.