

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: U-01197-A-ST	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Natural Buttes Unit	
2. NAME OF OPERATOR: EOG RESOURCES, INC.		9. WELL NAME and NUMBER: Natural Buttes Unit 513-12EX	
3. ADDRESS OF OPERATOR: 1060 East Highway 40 CITY Vernal STATE UT ZIP 84078		PHONE NUMBER: (435) 781-9111	10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch/Mesaverde
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1850 FNL & 2133 FWL 39.965617 LAT 109.390069 LON AT PROPOSED PRODUCING ZONE: SAME		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 22E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 24.2 Miles South of Vernal, Utah		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1850'	16. NUMBER OF ACRES IN LEASE: 1674	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1860'	19. PROPOSED DEPTH: 7,109	20. BOND DESCRIPTION: NM 2308	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5166 GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: 45 Days	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2	13-3/8	H-40	48#	Conductor	See Eight Point Plan
12-1/4	9-5/8	J-55	36#	0-2300	See Eight Point Plan
7-7/8	4-1/2	N-80	11.6	0-7109	See Eight Point Plan

25. **ATTACHMENTS**

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

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

NAME (PLEASE PRINT) Kaylene R. Gardner TITLE Sr. Regulatory Assistant

SIGNATURE [Signature] DATE 4/30/2007

(This space for State Use only)

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED
MAY 03 2007

API NUMBER ASSIGNED: 43-047-39283

APPROVAL:
Date: 06-18-07

By: [Signature]

DIV. OF OIL, GAS & MINING

T10S, R22E, S.L.B.&M.

1991 Alum. Cap,
0.4' High, Pile of
Stones, Steel
Post

S89°55'57"W - 2640.76' (Meas.)

S89°39'E - 2640.66' (G.L.O.)

1991 Alum. Cap,
0.3' High, Pile of
Stones, Steel Post

90°01'
(G.L.O.)

1850'

S157°45'W
1918.81'

2133' (Comp.)

NBU #513-12EX
Elev. Ungraded Ground = 5166'

12

WHITE RIVER

5280.00' (G.L.O.)

N00°07'E - 2641.32' (G.L.O.)

N00°09'E - 2634.06' (G.L.O.)

S89°59'W - 5281.32' (G.L.O.)

BASIS OF BEARINGS

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

(NAD 83)

LATITUDE = 39°57'56.22" (39.965617)

LONGITUDE = 109°23'24.25" (109.390069)

(NAD 27)

LATITUDE = 39°57'56.34" (39.965650)

LONGITUDE = 109°23'21.80" (109.389389)

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

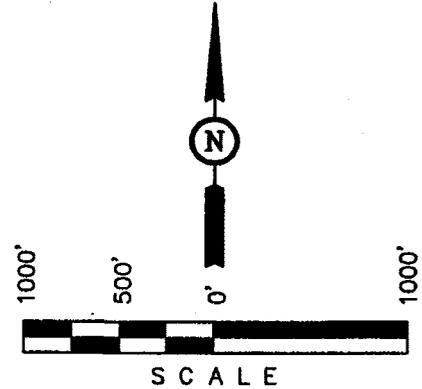
▲ = SECTION CORNERS LOCATED.

EOG RESOURCES, INC.

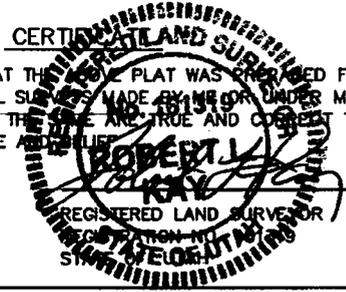
Well location, NBU #513-12EX, located as shown in the SE 1/4 NW 1/4 of Section 12, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



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



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

SCALE 1" = 1000'	DATE SURVEYED: 4-26-07	DATE DRAWN: 4-26-07
PARTY G.S. R.W. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EOG RESOURCES, INC.	

EIGHT POINT PLAN

NATURAL BUTTES UNIT 513-12EX
SE/NW, SEC. 12, T10S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

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

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,168		Shale	
Wasatch	4,112	Primary	Sandstone	Gas
Chapita Wells	4,662	Primary	Sandstone	Gas
Buck Canyon	5,293	Primary	Sandstone	Gas
North Horn	6,079	Primary	Sandstone	Gas
KMV Price River	6,419	Primary	Sandstone	Gas
TD	7,109			

Estimated TD: **7,109' or 200'± below Price River top** **Anticipated BHP: 3,880 Psig**

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

3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig
 BOP schematic diagrams attached.

4. CASING PROGRAM:

CASING	Hole Size	Length	Size	WEIGHT	Grade	Thread	Rating Collapse	Factor Burst	Tensile
Conductor	17 ½"	0 – 45'	13 ¾"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 ¼"	0' – 2,300' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-½"	11.6#	N-80	LTC	6350 PSI	7780 Psi	233,000#

Note: 12-¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

EIGHT POINT PLAN

NATURAL BUTTES UNIT 513-12EX
SE/NW, SEC. 12, T10S, R22E, 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 5th 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 2nd 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 513-12EX
SE/NW, SEC. 12, T10S, R22E, 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% CaCl₂, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.

Tail: **207 sks** Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps water.

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/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: **105 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 ft³/sk., 24.5 gps water.

Tail: **610 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 ft³/sk., 5.9 gps 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 513-12EX
SE/NW, SEC. 12, T10S, R22E, 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:

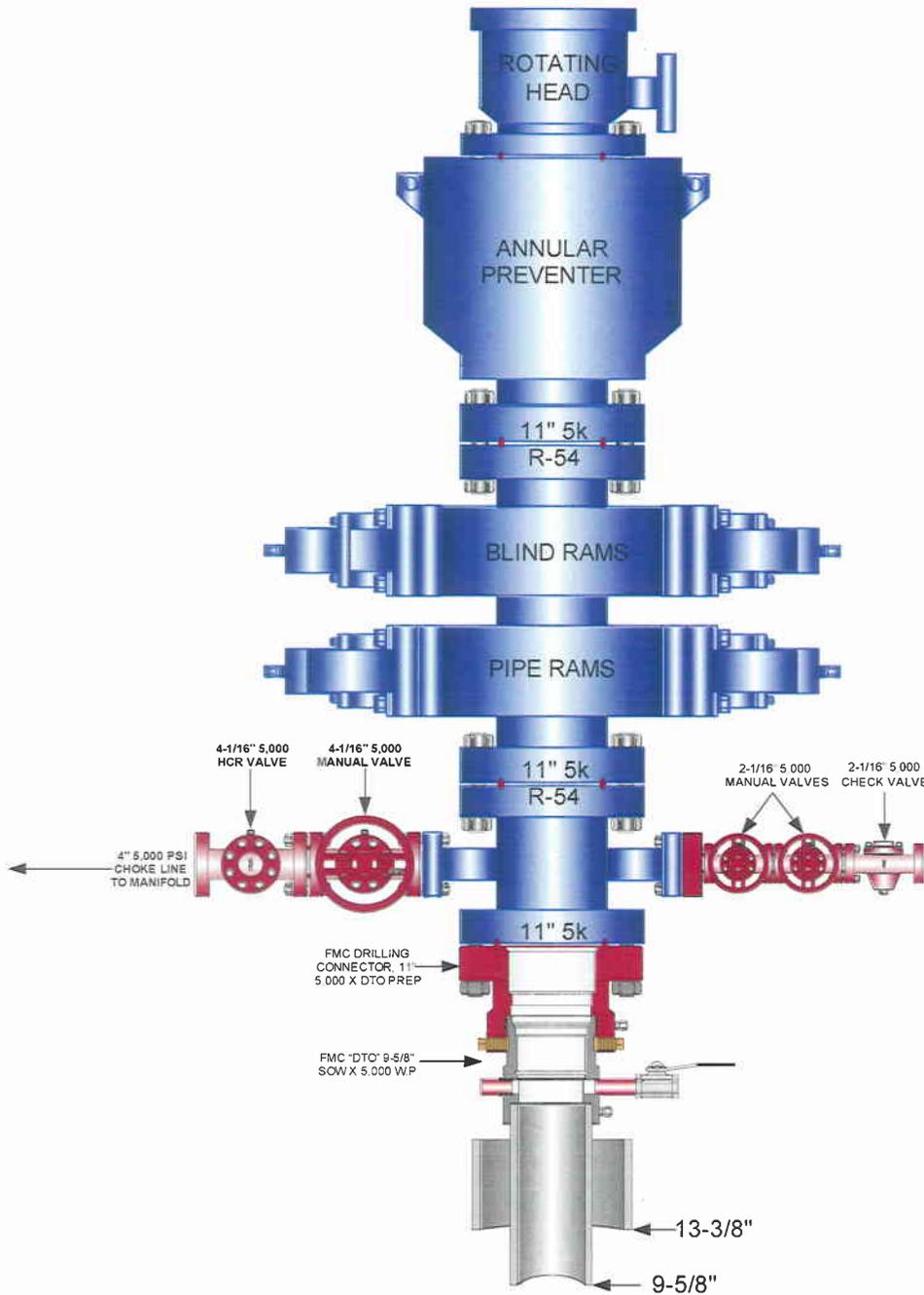
- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

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.

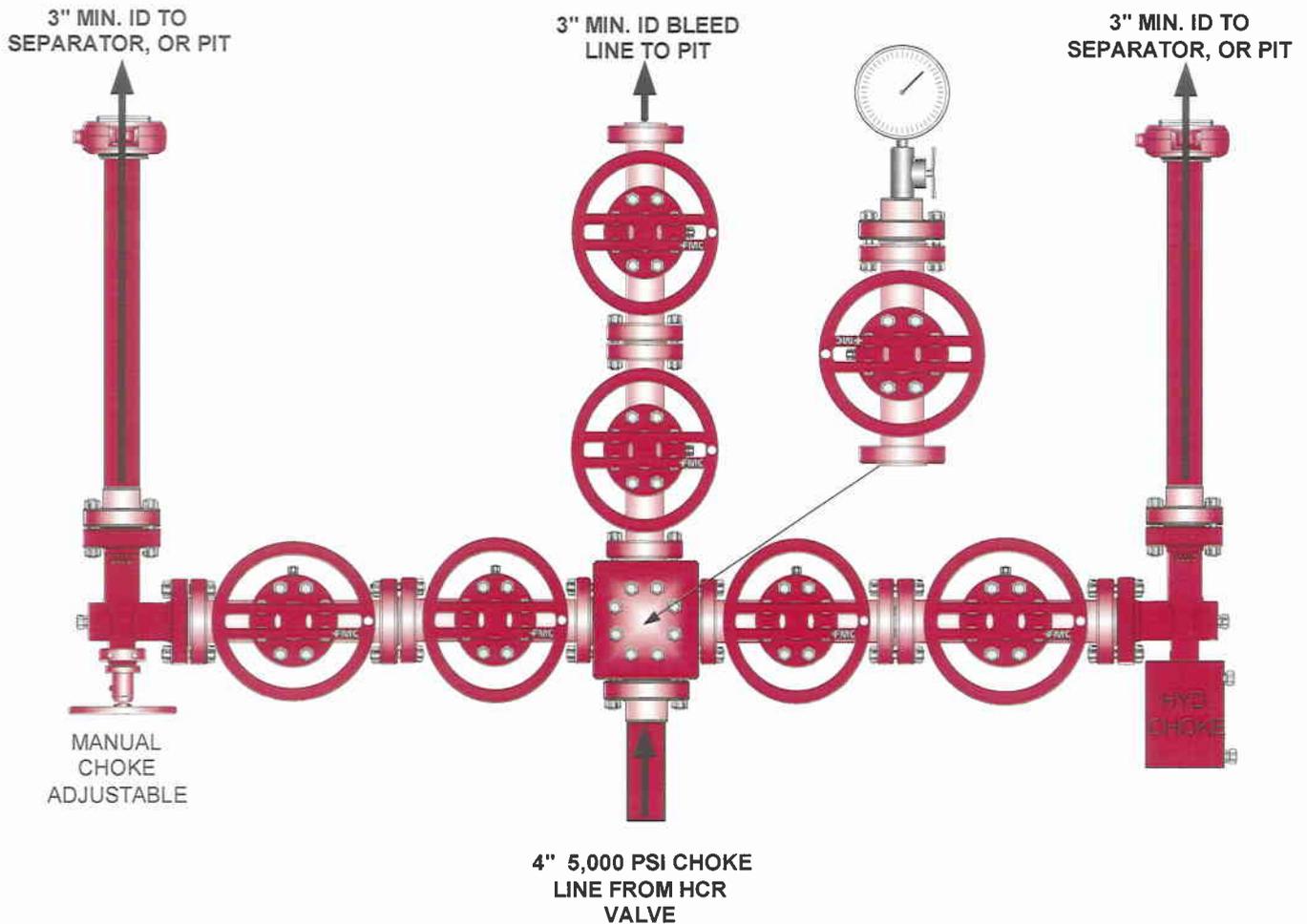
(Attachment: BOP Schematic Diagram)

**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 513-12EX
SENW, Section 12, T10S, R22E
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 24.2 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 429 in length. See attached Topo B.
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 30-foot permanent right-of-way is requested. No surfacing material will 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 30 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 30 foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

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

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

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

A. On Well Pad

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

B. Off Well Pad

1. Proposed pipeline will transport natural gas.
2. The pipeline will be a permanent feeder line.
3. The length of the proposed pipeline is 1836 x 40' from the proposed location to a point in the NWNE of Section 12, T10S, R22E, where it ties into a Questar Pipeline Co's existing line. Proposed pipeline crosses State of Utah administered lands within the Natural Buttes Unit, thus a right-of-way grant will not be required.

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. A 20-foot permanent pipeline right-of-way is requested. A 40-foot temporary pipeline right-of-way for construction purposes is requested, the temporary right-of-way will be utilized for a 10-day period.
7. 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.** 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) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

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

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

8. ANCILLARY FACILITIES:

None anticipated.

9. WELL SITE LAYOUT:

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

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

The stockpiled location topsoil will be stored between corners #6 and #8. 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 to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

PERMITTING AGENT

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

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 513-12EX Well, located in the SENW, of Section 12, T10S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

April 30, 2007
Date



Kaylene R. Gardner, Sr. Regulatory Assistant

EOG RESOURCES, INC.

NBU #513-12EX

LOCATED IN UINTAH COUNTY, UTAH
SECTION 12, T10S, R22E, S.L.B.&M.

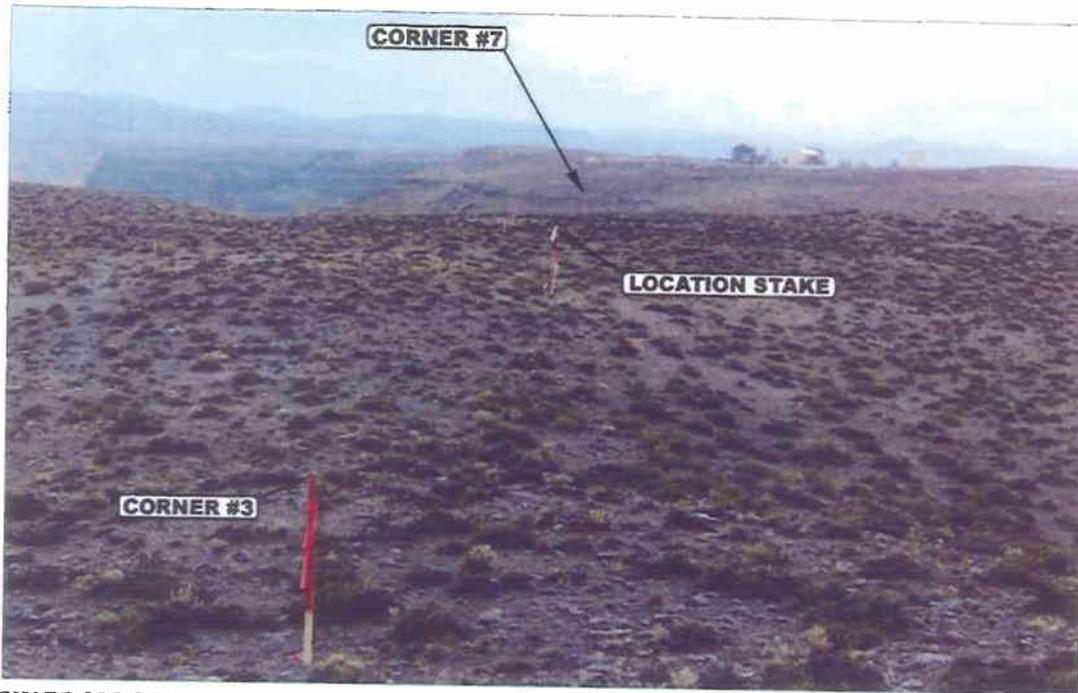


PHOTO: VIEW FROM CORNER #3 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

U
E
L
S
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

10 26 04
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 00-00-00

EOG RESOURCES, INC.
NBU #513-12EX
SECTION 12, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 5.7 MILES TO THE BEGINNING OF THE PROPOSED ROAD RE-ROUTE TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO AN EXISTING TWO-TRACK ROAD TO THE SOUTH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 430' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.1 MILES.

EOG RESOURCES, INC.

NBU #513-12EX

LOCATED IN UINTAH COUNTY, UTAH
SECTION 12, T10S, R22E, S.L.B.&M.

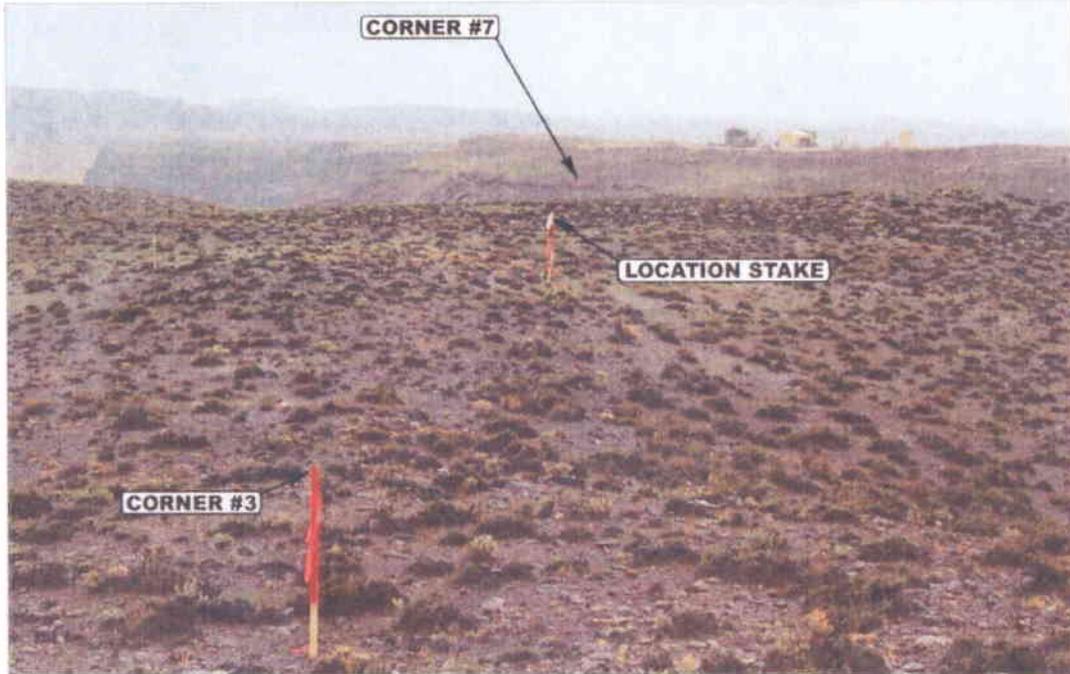


PHOTO: VIEW FROM CORNER #3 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



Since 1964

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

10 26 04
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

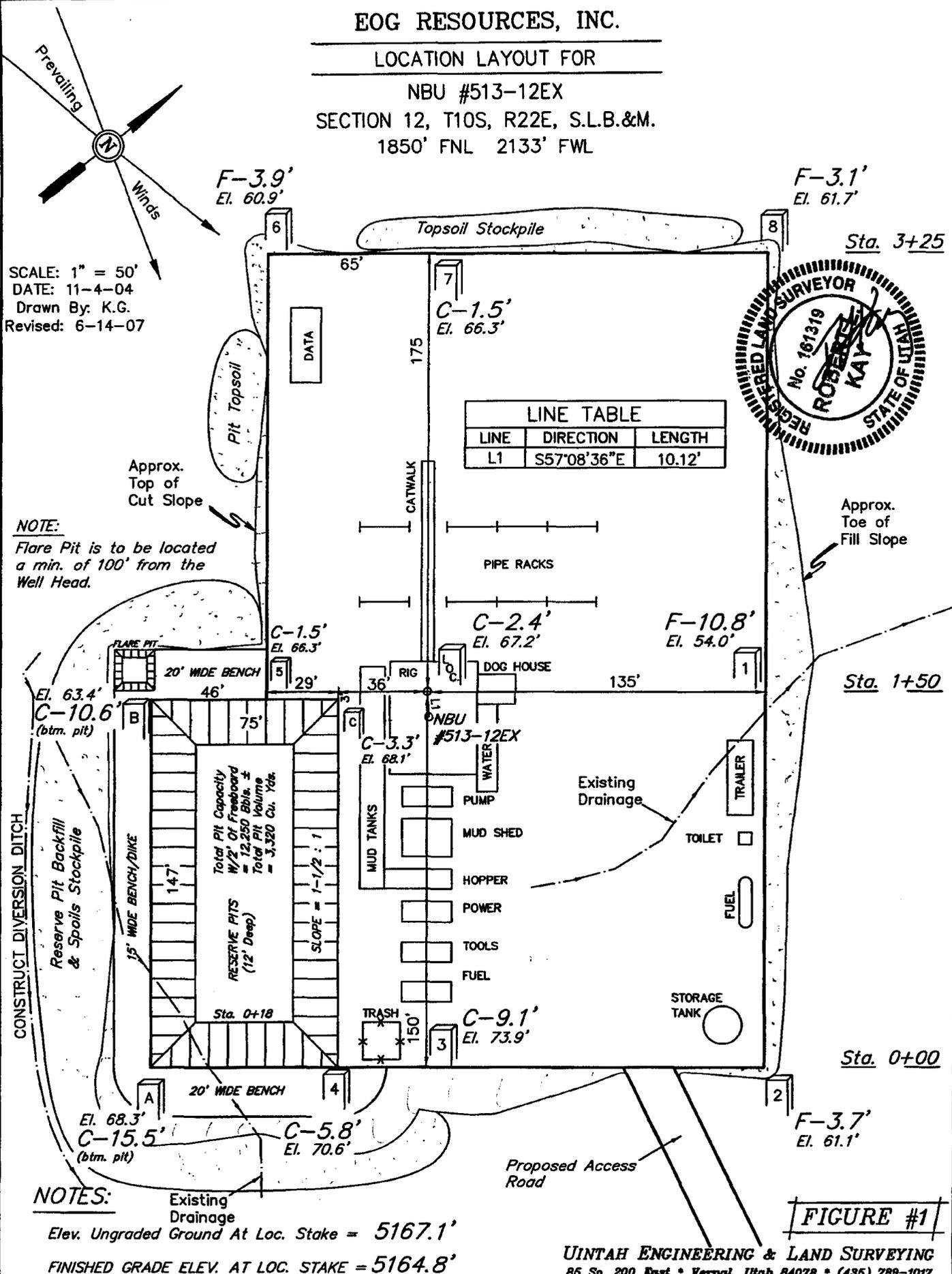
DRAWN BY: C.P.

REVISED: 06-15-07

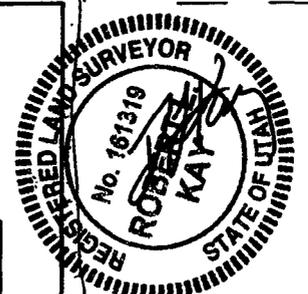
EOG RESOURCES, INC.

LOCATION LAYOUT FOR

NBU #513-12EX
SECTION 12, T10S, R22E, S.L.B.&M.
1850' FNL 2133' FWL



SCALE: 1" = 50'
DATE: 11-4-04
Drawn By: K.G.
Revised: 6-14-07



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S57°08'36"E	10.12'

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

CONSTRUCT DIVERSION DITCH
Reserve Pit Backfill & Spoils Stockpile

NOTES:
Existing Drainage
Elev. Ungraded Ground At Loc. Stake = 5167.1'
FINISHED GRADE ELEV. AT LOC. STAKE = 5164.8'

FIGURE #1

EOG RESOURCES, INC.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

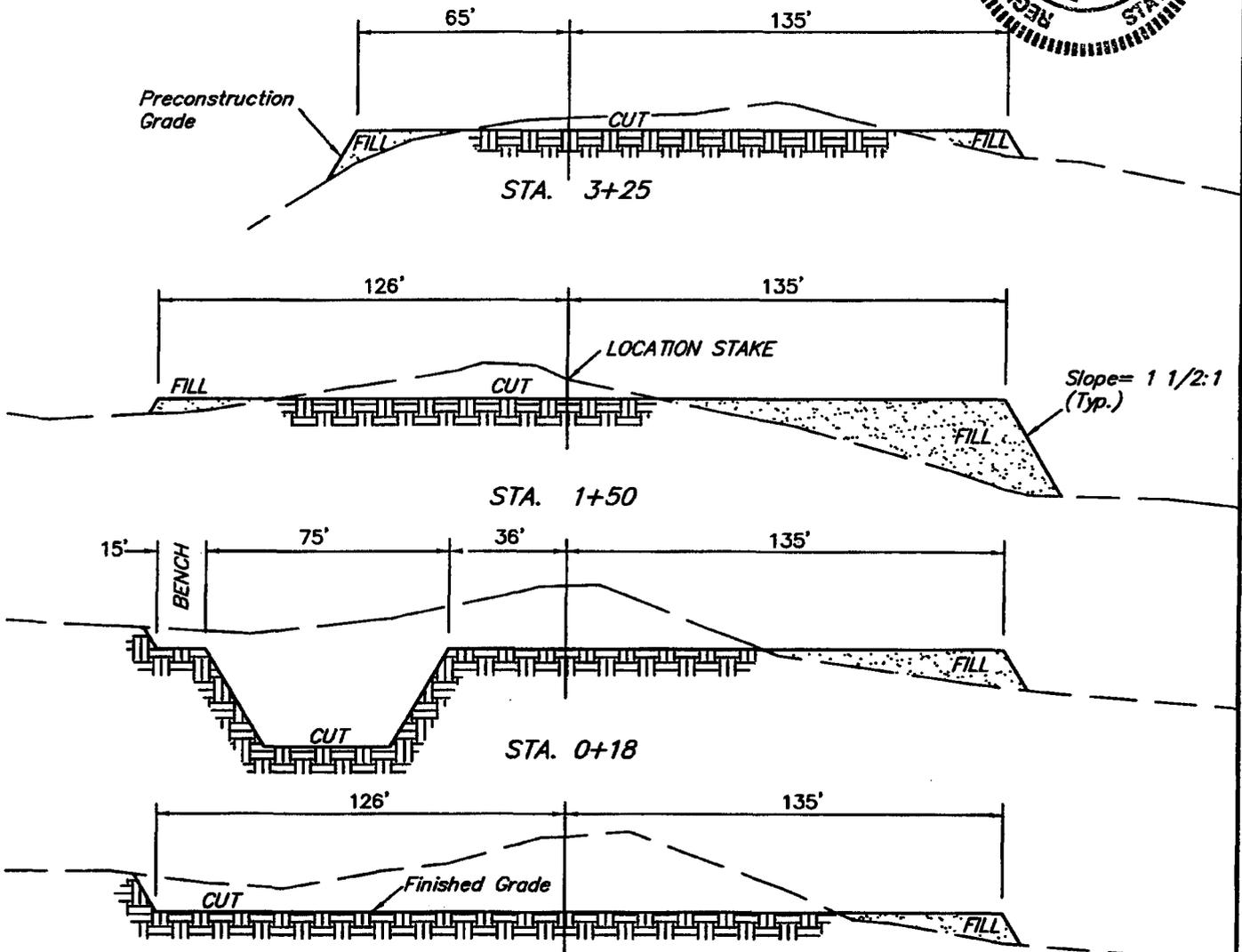
NBU #513-12EX

SECTION 12, T10S, R22E, S.L.B.&M.

1850' FNL 2133' FWL

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

DATE: 11-4-04
Drawn By: K.G.
Revised: 6-14-07



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

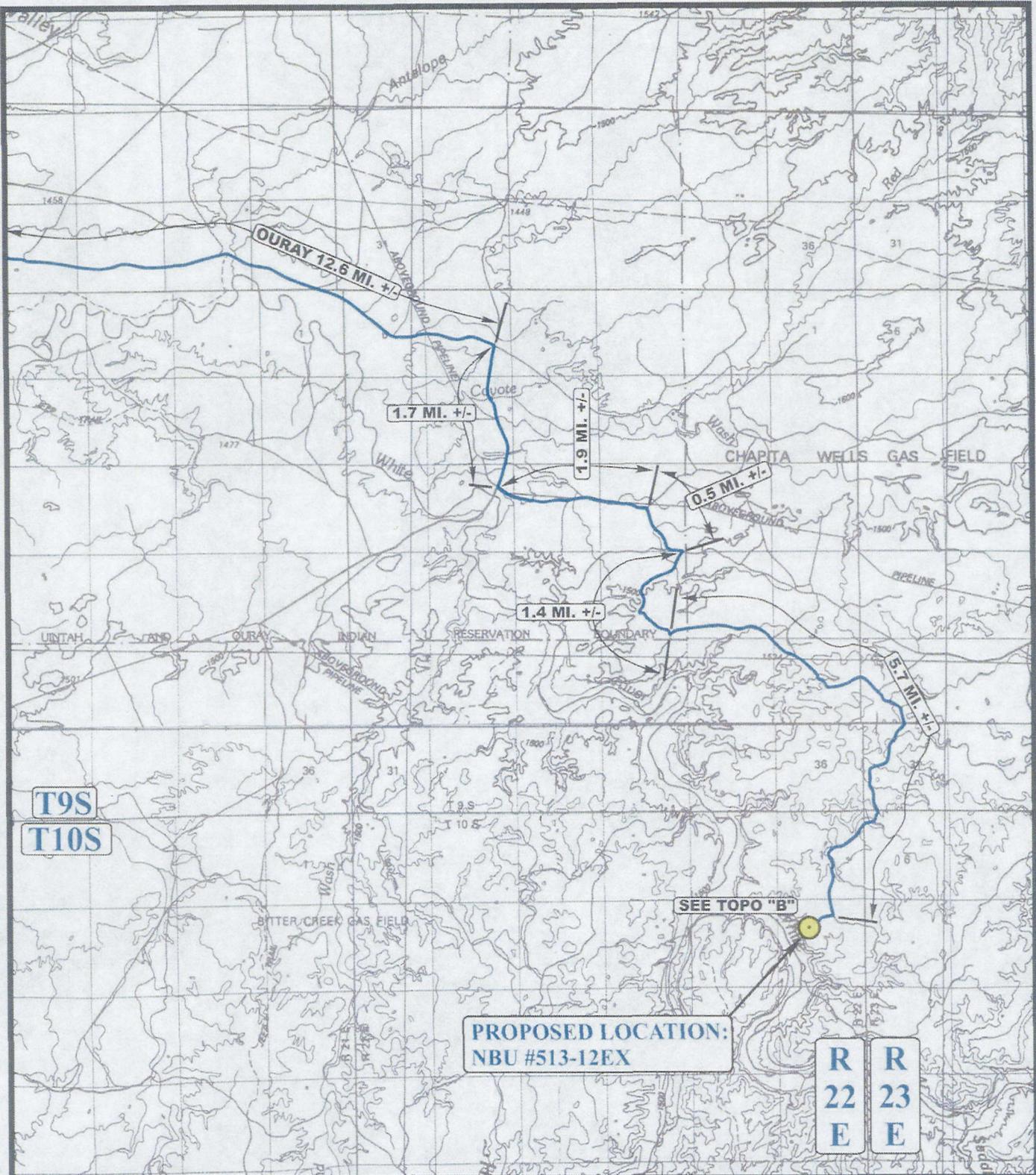
* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,640 Cu. Yds.
Remaining Location	= 7,130 Cu. Yds.
TOTAL CUT	= 8,770 CU.YDS.
FILL	= 5,470 CU.YDS.

EXCESS MATERIAL	= 3,300 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,300 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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



LEGEND:

 PROPOSED LOCATION

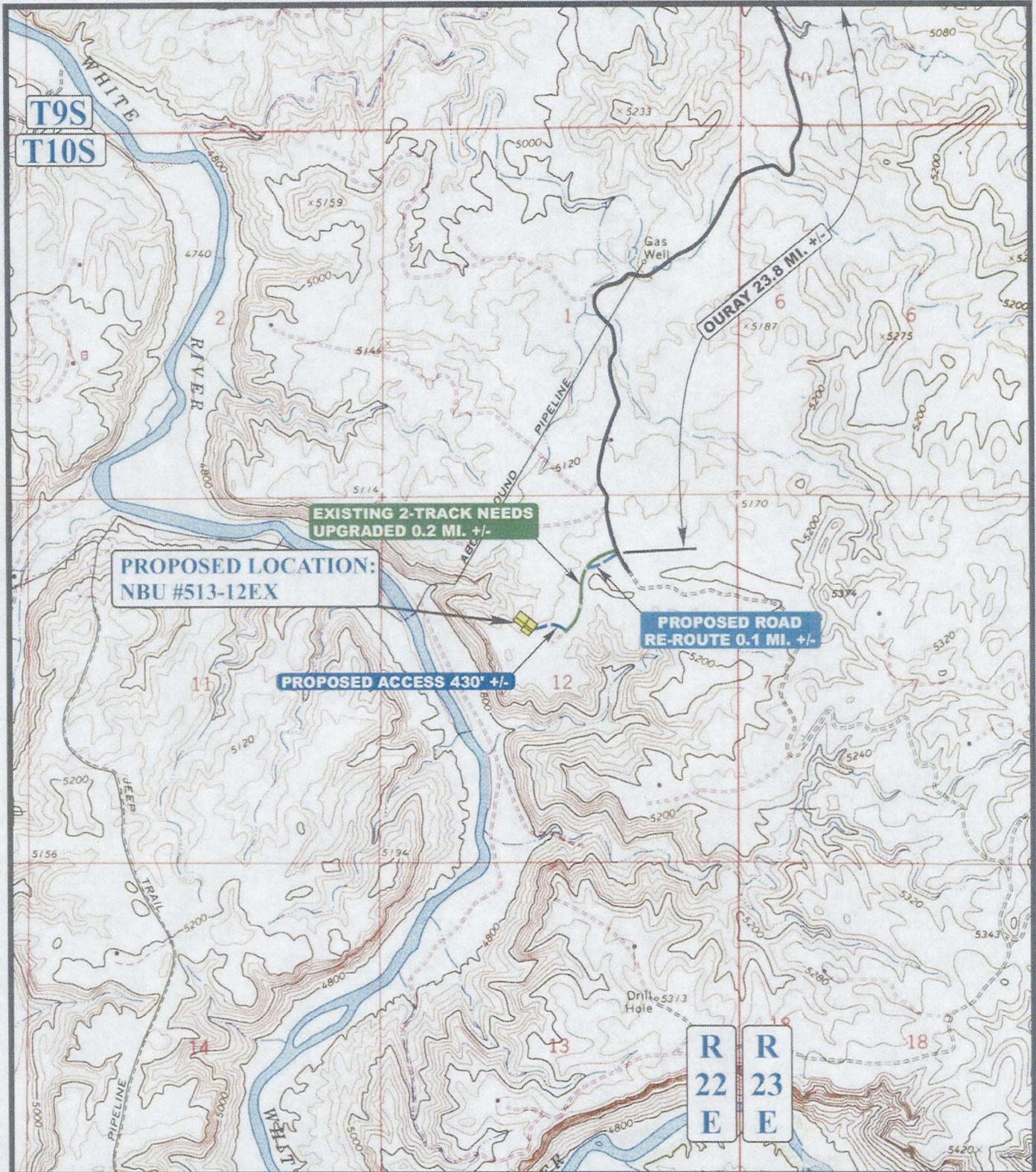
N

EOG RESOURCES, INC.

NBU #513-12EX
 SECTION 12, T10S, R22E, S.L.B.&M.
 1850' FNL 2133' FWL

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

TOPOGRAPHIC MAP 10 26 04
 MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 06-15-07 **A TOPO**



LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING 2-TRACK NEEDS UPGRADED
-  PROPOSED ROAD RE-ROUTE

EOG RESOURCES, INC.

NBU #513-12EX
 SECTION 12, T10S, R22E, S.L.B.&M.
 1850' FNL 2133' FWL



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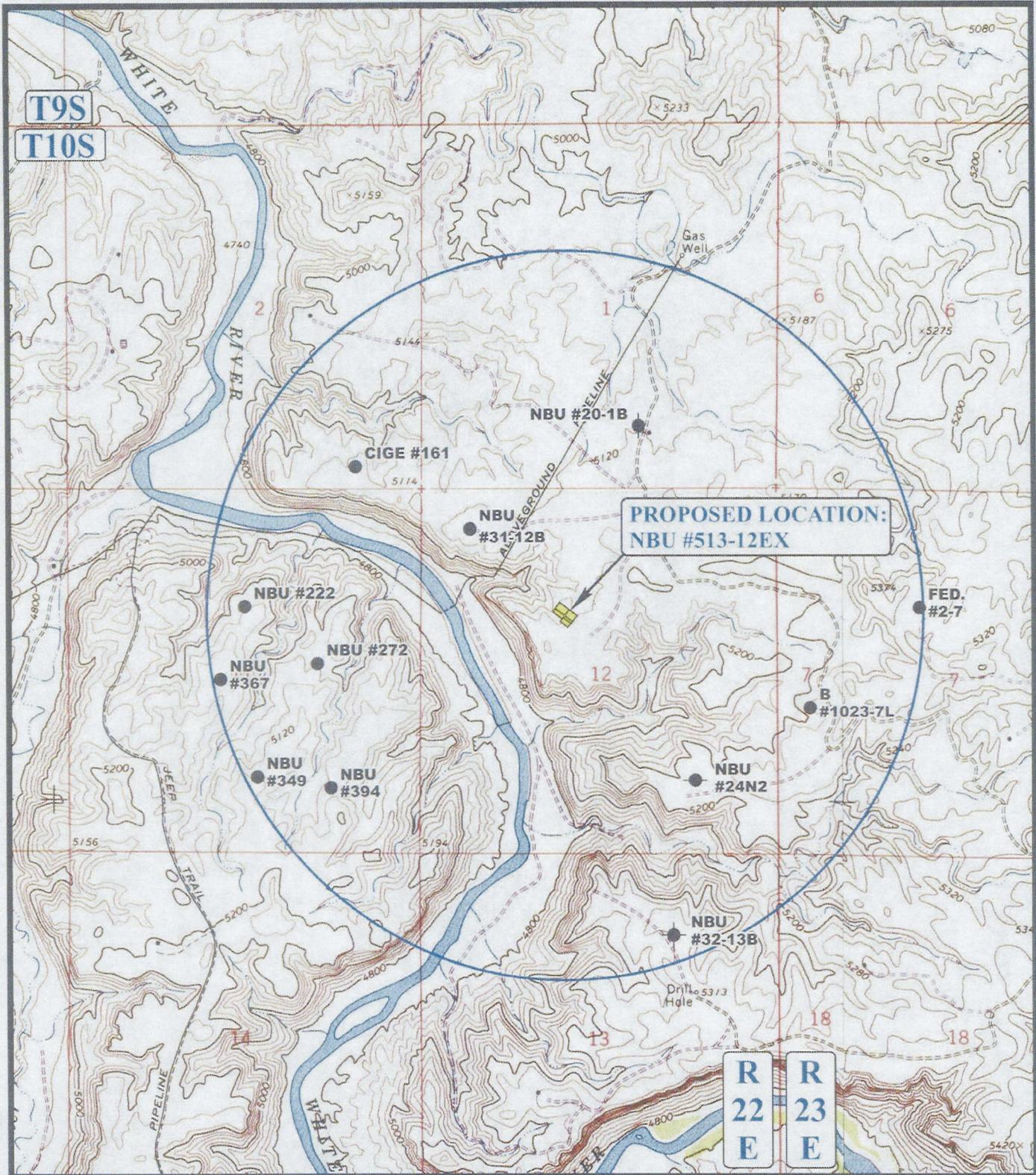


TOPOGRAPHIC
 MAP

10 26 04
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 06-15-07

B
 TOPO



LEGEND:

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

EOG RESOURCES, INC.

NBU #513-12EX
SECTION 12, T10S, R22E, S.L.B.&M.
1850' FNL 2133' FWL



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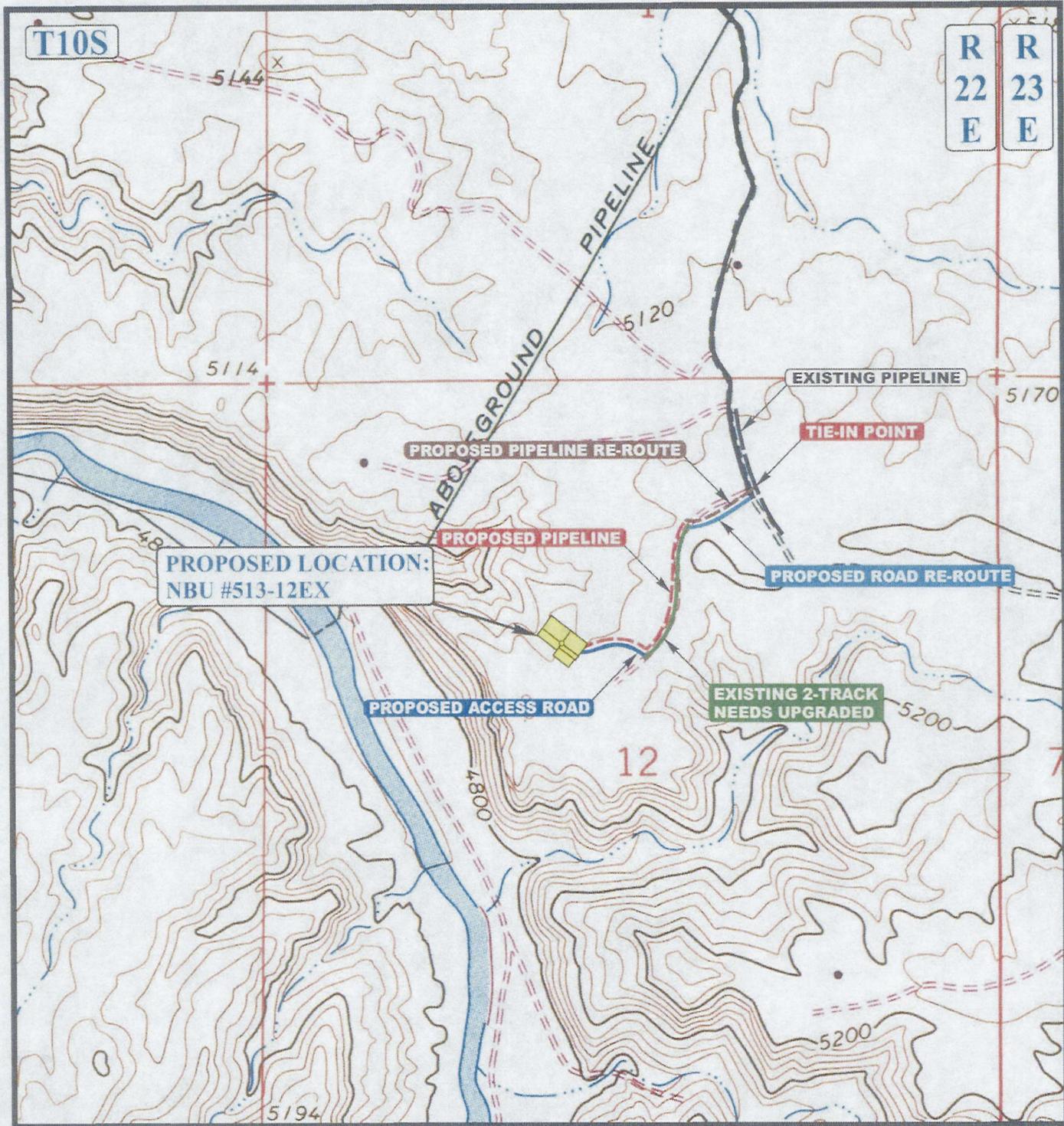


TOPOGRAPHIC MAP

10 26 04
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 06-15-07

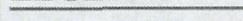




APPROXIMATE TOTAL PIPELINE DISTANCE = 520' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 1,300' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE RE-ROUTE
-  PROPOSED ROAD RE-ROUTE



EOG RESOURCES, INC.

NBU #513-12EX
 SECTION 12, T10S, R22E, S.L.B.&M.
 1850' FNL 2133' FWL

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

TOPOGRAPHIC MAP 10 26 04
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 06-15-07 **D**
 TOPO

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/03/2007

API NO. ASSIGNED: 43-047-39283

WELL NAME: NBU 513-12EX (RIGSKID)
 OPERATOR: EOG RESOURCES INC (N9550)
 CONTACT: KAYLENE GARDNER

PHONE NUMBER: 435-789-9111

PROPOSED LOCATION:

SENW 12 100S 220E
 SURFACE: 1850 FNL 2133 FWL
 BOTTOM: 1850 FNL 2133 FWL
 COUNTY: UINTAH
 LATITUDE: 39.96566 LONGITUDE: -109.3895
 UTM SURF EASTINGS: 637545 NORTHINGS: 4424978
 FIELD NAME: NATURAL BUTTES (630)

RIG SKID

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DRO	5/8/07
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: U-01197-A-ST
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 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)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

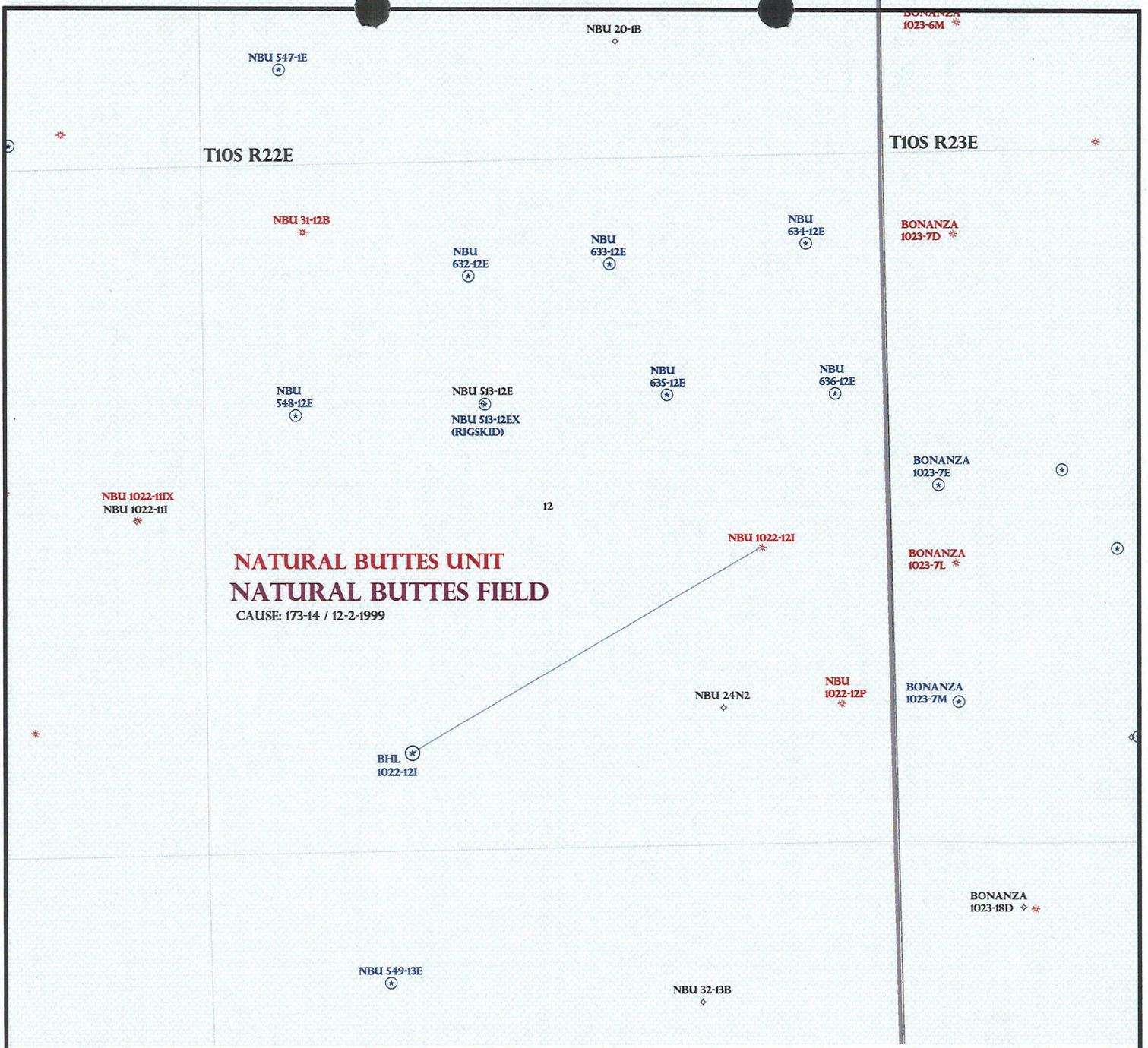
- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' fr u bdr g uncomm. tract
- R649-3-11. Directional Drill

COMMENTS:

Post (1-26-05)

STIPULATIONS:

- 1- Surface Csg Cont Stop
- 2- Cont Stop #3 (4 1/2" ; ±2100' m.d)
- 3- Oil Shale
- 4- Statement of Basis



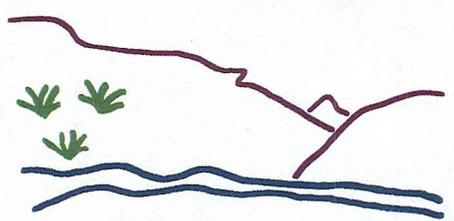
NATURAL BUTTES UNIT
NATURAL BUTTES FIELD
 CAUSE: 173-14 / 12-2-1999

OPERATOR: EOG RESOURCES INC (N9550)
 SEC: 12 T.10S R. 22E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH
 CAUSE: 173-14 / 12-2-1999

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

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
 DATE: 8-MAY-2007

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

OPERATOR: EOG RESOURCES, INC.
WELL NAME & NUMBER: NATURAL BUTTES UNIT 513-12E
API NUMBER: 43-047-36124
LOCATION: 1/4,1/4 SE/NW Sec: 12 TWP: 10S RNG:22E 2124' FWL 1845' FNL

Geology/Ground Water:

EOG proposes to set 500 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 4,000 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location.. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers.

Reviewer: Brad Hill **Date:** 01/27/2005

Surface:

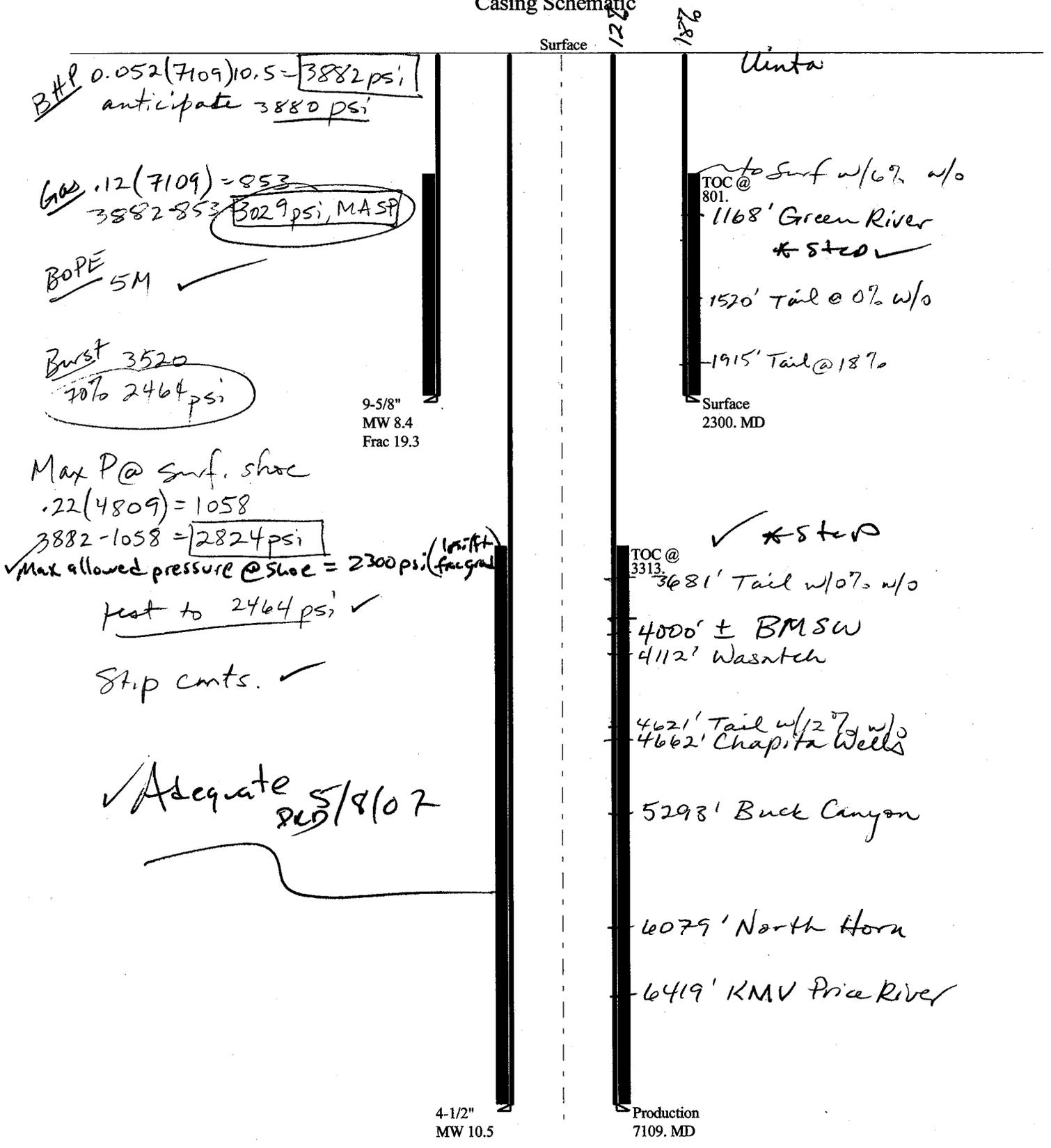
The predrill investigation of the surface was performed on 1/26/05. Surface and minerals for this well are owned by the State of Utah. S.I.T.L.A. and D.W.R. were notified of this investigation on 1/08/05. Floyd Bartlett represented the D.W.R. S.I.T.L.A. did not have a representative present. Mr. Bartlett had no concerns regarding the construction of this location or the drilling of this well. Mr. Bartlett gave Mr. Trotter (EOG) a DWR approved seed mix for this area to be used when reserve pit is reclaimed. This site appears to be the best site in the immediate area for a location and well. Even though this site is within 0.5 miles of the White River, it is far enough back from the rim of the canyon so that even if the reserve pit leaks, fluid would not reach the river. I told Mr. Trotter a 16 mil liner and felt sub-liner should be used in the reserve pit, and he agreed.

Reviewer: David W. Hackford **Date:** 1/27/2005

Conditions of Approval/Application for Permit to Drill:

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

Casing Schematic



BHP $0.052(7109)10.5 = 3882 \text{ psi}$
 anticipate 3880 psi

GAO $.12(7109) = 853$
 $3882 - 853 = 3029 \text{ psi, MASP}$

BOPE 5M ✓

Burst 3520
 70% 2464 psi

9-5/8"
 MW 8.4
 Frac 19.3

Max P @ Surf. shoe
 $.22(4809) = 1058$

$3882 - 1058 = 2824 \text{ psi}$
 ✓ Max allowed pressure @ shoe = 2300 psi (frag)

rest to 2464 psi ✓

Stop cmts. ✓

✓ Adequate 5/8/07

Uinta

TOC @ 801.
 into Surf w/6% w/o
 1168' Green River
 * stop ✓

1520' Tail @ 0% w/o

1915' Tail @ 18%

Surface
 2300. MD

✓ * stop

TOC @ 3313
 3681' Tail w/0% w/o

4000' ± BMSW
 4112' Wasatch

4621' Tail w/12% w/o
 4662' Chapita Wells

5293' Buck Canyon

6079' North Horn

6419' KMV Price River

4-1/2"
 MW 10.5

Production
 7109. MD

5166
 1700
 3966

Well name:

03-05 EOG NBU 513-12EX

Operator: **EOG Resources**

String type: **Surface**

Project ID:
43-047-39283

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: 65 °F
Bottom hole temperature: 97 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 250 ft

Cement top: 801 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: 7,109 ft
Next mud weight: 10.500 ppg
Next setting BHP: 3,878 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: 810-359-3940

Date: May 8, 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:

03-05 EOG NBU 513-12EX

Operator: **EOG Resources**

String type: Production

Project ID:

43-047-39283

Location: Uintah County

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 165 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Burst

Max anticipated surface pressure: 2,314 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,878 psi

Burst:

Design factor 1.00

Cement top: 3,313 ft

No backup mud specified.

Tension:

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

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 5,993 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7109	4.5	11.60	N-80	LT&C	7109	7109	3.875	620.4
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	3878	6350	1.638	3878	7780	2.01	70	223	3.21 J

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

Phone: 801-538-5357
FAX: 810-359-3940

Date: May 8, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7109 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.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

May 8, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well has been skidded to a new location. The previous well was NBU 513-12E API Number 43-047-36124 located 1845' FNL 2124' FWL Section 12 Township 10 South, Range 22 East. The well is being drilled under a designation of Agent from Kerr McGee Oil and Gas to EOG Resources in the Natural Buttes Unit.

WELL NAME

LOCATION

(Proposed PZ Wasatch/MesaVerde)

43-047-39283 NBU 513-12EX Sec 12 T10S R 22E 1850 FNL 2133 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:5-8-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 18, 2007

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

Re: Natural Buttes Unit 513-12EX Well, 1850' FNL, 2133' FWL, SE NW, Sec. 12,
T. 10 South, R. 22 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 43-047-39283.

Sincerely,

Gil Hunt
Associate Director

er
Enclosures

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

Operator: EOG Resources, Inc.
Well Name & Number Natural Buttes Unit 513-12EX
API Number: 43-047-39283
Lease: U-01197-A-ST

Location: SE NW Sec. 12 T. 10 South R. 22 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) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

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

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. Surface casing shall be cemented to the surface.
9. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to \pm 2100' MD as indicated in the submitted drilling plan.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
2. NAME OF OPERATOR: EOG Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Natural Buttes Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,850' FNL & 2,133' FWL 39.965617 LAT 109.390069 LON COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 22E S.L.B.& M. STATE: UTAH		8. WELL NAME and NUMBER: Natural Buttes Unit 513-12EX
		9. API NUMBER: 43-047-39283
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch/Mesaverd

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

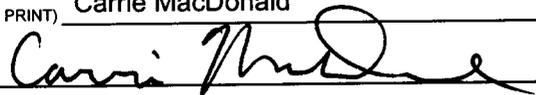
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> 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 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. requests authorization for disposal of produced water from the referenced well to any of the following locations.

1. Natural Buttes Unit 21-20B SWD
2. Chapita Wells Unit 550-30N SWD
3. Ace Disposal
4. RN Industries

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

NAME (PLEASE PRINT) <u>Carrie MacDonald</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u></u>	DATE <u>5/14/2007</u>

(This space for State use only)

**RECEIVED
MAY 17 2007**

ENTITY ACTION FORM

Operator: EOG RESOURCES, INC.
Address: 600 17th Street
city Denver
state CO zip 80202

Operator Account Number: N 9550
Phone Number: (303) 262-2812

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-38320	CHAPITA WELLS UNIT 1218-2		NWNE	2	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999		5/9/2007		5/30/07		
Comments: <u>PRDU=MVRD</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-36935	CHAPITA WELLS UNIT 554-02F		SENE	2	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999		5/7/2007		5/30/07		
Comments: <u>N HORN</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-39283	NATURAL BUTTES UNIT 513-12EX		SENW	12	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	<u>2900</u>	5/7/2007		6/28/07		
Comments: <u>WSTMVD</u>							

ACTION CODES:

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

Carrie MacDonald

Name (Please Print)

Carrie MacDonald

Signature

Operations Clerk

5/14/2007

Date

RECEIVED

MAY 17 2007 Title

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
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: Natural Buttes Unit
2. NAME OF OPERATOR: EOG Resources, Inc.		8. WELL NAME and NUMBER: Natural Buttes Unit 513-12EX
3. ADDRESS OF OPERATOR: 600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202		9. API NUMBER: 43-047-39283
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850' FNL & 2133' FWL 39.965617 LAT 109.390069 LON		10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch/MV
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 22E S		COUNTY: Uintah
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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 checked="" 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.

The referenced well was turned to sales on 8/15/2007. Please see the attached operations summary report for drilling and completion operations performed on the subject well.

NAME (PLEASE PRINT) <u>Mary A. Maestas</u>	TITLE <u>Regulatory Assistant</u>
SIGNATURE <u><i>Mary A. Maestas</i></u>	DATE <u>8/24/2007</u>

(This space for State use only)

AUG 27 2007

WELL CHRONOLOGY REPORT

Report Generated On: 08-22-2007

Well Name	NBU 513 12EX	Well Type	DE VEG	Division	DENVER
Field	NATURAL BUTTES	API #	43 047 039283	Well Class	1SA
County, State	UINTAH, UT	Spud Date	07 12 2007	Class Date	08 15 2007
Tax Credit	N	TVD / MD	7,109' 7,109'	Property #	061832
Water Depth	0	Last CSG	0.0	Shoe TVD / MD	0' 0
KB / GL Elev	5,177' 5,165'				
Location	Section 12, T10S, R22E, SENW, 1850 FNL & 2133 FWL				

Event No	1.0	Description	DRILL & COMPLETE		
Operator	EOG RESOURCES, INC	WI %	66.667	NRI %	48.062

AFE No	304835	AFE Total	1,283,700	DHC / CWC	583,600/ 700,100
Rig Contr	ENSIGN	Rig Name	ENSIGN #81	Start Date	05-06-2007
05-06-2007	Reported By	SHARON CAUDILL			
Daily Costs: Drilling	\$0	Completion	\$0	Daily Total	\$0
Cum Costs: Drilling	\$0	Completion	\$0	Well Total	\$0
MD	0	TVD	0	Progress	0
Days	0	MW	0.0	Visc	0.0
Formation :	PBTD : 0.0		Perf :	PKR Depth : 0.0	

Activity at Report Time: LOCATION DATA

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION DATA 1850' FNL & 2133' FWL (SE/NW) SECTION 12, T10S, R22E UINTAH, UTAH LAT 39.965617, LONG 109.390069 (NAD 83) LAT 39.965650, LONG 109.389389 (NAD 27) RIG ENSIGN #81 OBJECTIVE: 7109' TD, WASATCH DW: GAS PROSPECT: NATURAL BUTTES DD&A: NATURAL BUTTES FIELD: NATURAL BUTTES LEASE: U- 01197-A-ST ELEVATION: 5167.1' NAT GL, 5164.8' PREP GL (DUE TO ROUNDING 5165' IS THE PREP GL), 5177' KB (12') EOG WI 66.6667%, NRI 48.061643%

05-11-2007 Reported By DALL COOK

Cum Costs: Drilling \$228,904 **Completion** 50 **Well Total** \$228,904
MD 2,347 **TVD** 2,347 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

Activity at Report Time: MIRT

Start	End	Hrs	Activity Description
06:00	06:30	0.5	JSA,SAFETY MEETING W/ L&S TRUCKING & ALL PERSONNAL/ RIG MOVE & HEAVY LOADS
06:30	18:00	11.5	R/D MOVE RIG, CLEAR LOCATION @ 14:00 REMOVE BOP INSTALL WELL CAP W/ FMC REP. ROAD BAD. LOOSE ROCK. PULL TRUCKS UP HILL WITH FORKLIFT.SLOWING RIG MOVE. INSTALL BOP ON NEW LOCATION NBU 513-12EX REPAIR LOCK DOWN ON BOP FLANGE W/ FMC. TEST FLANGE 5000 PSI. OK. WILL REPLACE LOCK DOWN SLIPS ON NEXT RIG MOVE. SPOT SUB. RIG UP, 20% RIG MOVE 80%
18:00	22:00	4.0	RIG SERVICE.
22:00	06:00	8.0	W/O/DAYLIGHT ACCIDENTS NONE REPORTED SAFETY MEETING: WORKING W/ TRUCKS CREWS FULL FUEL ON HAND,4900.

07-12-2007 Reported By DAVID FOREMAN/DUANE WINKLER

DailyCosts: Drilling \$24,872 **Completion** 50 **Daily Total** \$24,872
Cum Costs: Drilling \$253,176 **Completion** 50 **Well Total** \$253,176
MD 2,347 **TVD** 2,347 **Progress** 0 **Days** 0 **MW** 0.0 **Visc** 0.0
Formation : **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

Activity at Report Time: TESTING BOP

Start	End	Hrs	Activity Description
06:00	07:00	1.0	SAFETY MEETING W/ ALL PERSONNAL. NOTIFIED DAVID HACKFORD W/UTAH STATE WOGCC F/ BOP TEST @ ROOSEVELT,UTAH OFFICE 435-722-7589. & B&C QUICK TEST F/ TESTING ON THE THU,7/12/07 IN AM.
07:00	13:30	6.5	CONT. TO RIG UP W/ L&S TRUCKING.SET IN GROUND SUPPORT,DERRICK ON FLOOR @ 09:30 RAISE A LEG, FINISH SET IN GROUND SUPPORT& RELEASE TRUCKS @ 13:30.
13:30	22:00	8.5	RIG UP ROTARY TOOLS. RAISE DERRICK, RIG UP ROTARY TOOLS
22:00	00:00	2.0	RIG UP ROTARY TOOLS
00:00	01:00	1.0	NIPPLE UP BOP/DIVERTER
01:00	06:00	5.0	TEST BOPS/DIVERTER AND CHOKE MANIFOLD,UPPER AND LOWER KELLY VALVES,5,000,PIPERAMS, BLIND RAMS-5,000, HYDRILL 2,500, CHOKE MANIFOLD 5,000-T.I.W VALVE, INSIDE BO.P. VALVE 5,000, 9-5/8" CSY 1,500 ALL TEST GOOD. FULL CREWS, NO RIG REPAIRS, NO ACCIDENTS, SAFETY MEETING # 1: WITH THIRD PARTY CONTRACTORS, SAFETY MEETING # 2 PRE SPUD, FUEL ON HAND 4567 GLS, USED 0000 GLS

07-13-2007 Reported By DUANE WINKLER

DailyCosts: Drilling \$35,018 **Completion** 50 **Daily Total** \$35,018
Cum Costs: Drilling \$288,314 **Completion** 50 **Well Total** \$288,314

MD 3.200 **TVD** 3.200 **Progress** 799 **Days** 1 **MW** 9.85 **Visc** 35.0
Formation : **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

Activity at Report Time: DRILLING

Start	End	Hrs	Activity Description
06:00	07:00	1.0	RIG INSPECTION, ACCEPT RIG. DAY WORK STARTED 7/12/2007 @ 0600 HRS.
07:00	12:30	5.5	SAFETY MEETING, PICK UP BHA, TAG CMT @ 2255', RIG DOWN PICK EQUIPMENT
12:30	13:00	0.5	PRE SPUD MEETING, TEST CROWN-O-MATIC, BOP DRILL
13:00	16:30	3.5	DRILLED, CEMENT, FLOAT COLLAR @ 2301', CEMENT, SHOE @ 2347'. SPOT GEL PILL, FIT: MW 9.3, PRESSURE TO 370 PSIG, EMW 12.3.
16:30	02:00	9.5	DRILLED FROM 2347' TO 3016' (669'), ROP 70, MW 9.0 VIS 31, GPM 420, NO LOSS/GAIN
02:00	02:30	0.5	DEVIATION SURVEY 1.6 DEGREE @ 2941'
02:30	04:00	1.5	DRILLED FROM 3016' TO 3171' (101'), ROP 67, MW 9.3, VIS 33, GPM 420, NO LOSS/GAIN
04:00	05:30	1.5	RIG REPAIR, REPLACE PACKING ON SWIVEL
05:30	06:00	0.5	DRILLED FROM 3171' TO 3200' (29') ROP 60', MW 9.3, VIS 33, GPM 420, NO LOSS/GAIN, RIG REPAIRS, NO ACCIDENTS, SAFETY MEETING # 1: PPE, SAFETY MEETING # 2 MOUSE HOLE CONNECTION, FUEL ON HAND 4318 GLS, USED 249 GLS, (7/12/2007 MUD LOGGER ON LOCATION)
06:00		18.0	SPUD 7 7/8" HOLE 16:30 HRS, 7/12/07.

07-14-2007 **Reported By** DUANE WINKLER

DailyCosts: Drilling \$35,549 **Completion** \$4,725 **Daily Total** \$40,274
Cum Costs: Drilling \$323,863 **Completion** \$4,725 **Well Total** \$328,588

MD 5.324 **TVD** 5.324 **Progress** 2,124 **Days** 2 **MW** 9.4 **Visc** 32.0
Formation : **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

Activity at Report Time: DRILLING

Start	End	Hrs	Activity Description
06:00	15:00	9.0	DRILLED FROM 3200' TO 4100' (900') ROP 100, MW 9.5, VIS 32, GPM 420, NO LOSS/GAIN
15:00	15:30	0.5	SERVICE RIG, CHECK CROWN-O-MATIC, FUNCTION TEST BOP
15:30	16:00	0.5	DEVIATION SURVEY 2.72 DEGREE @ 4025'
16:00	06:00	14.0	DRILLED FROM 4100' TO 5324' (1224'), ROP 87, MW 9.9, VIS 35, GPM 421, NO LOSS/GAIN, NO RIG REPAIRS, NO ACCIDENTS, SAFETY MEETING # 1: FIRE DETECTION EQUIPMENT, SAFETY MEETING # 2: SWITCHING PUMPS, FUEL ON HAND 3210 GLS, USED 1118 GLS, MUD LOGGER ON LOCATION

07-15-2007 **Reported By** DUANE WINKLER

DailyCosts: Drilling \$98,299 **Completion** \$682 **Daily Total** \$98,981
Cum Costs: Drilling \$422,162 **Completion** \$5,407 **Well Total** \$427,569

MD 6.489 **TVD** 6.489 **Progress** 1,165 **Days** 3 **MW** 10.0 **Visc** 37.0
Formation : **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

Activity at Report Time: DRILLING

Start	End	Hrs	Activity Description
06:00	00:30	18.5	DRILLED FROM 5324' TO 6252' (928'), ROP 50, MW 10.3, VIS 36, GPM 420, NO LOSS/GAIN
00:30	01:00	0.5	SERVICE RIG, CHECK CRWON-O-MATIC
01:00	06:00	5.0	DRILLED FROM 6252' TO 6489' (237') ROP 47, MW 10.8, VIS 36, GPM 420, NO LOSS/GAIN, NO RIG REPAIRS, NO ACCIDENTS, SAFETY MEETING # 1: PULLING SLIPS, SAFETY MEETING # 2: SMOKING, FUEL ON HAND 4567 GLS, USED 1143 GLS, MUD LOGGER ON LOCATION

07-16-2007 **Reported By** DUANE WINKLER

DailyCosts: Drilling \$57,548 **Completion** \$67,848 **Daily Total** \$125,396

Cum Costs: Drilling \$479,906 **Completion** \$73,255 **Well Total** \$553,161
MD 7.109 **TVD** 7.109 **Progress** 620 **Days** 4 **MW** 10.9 **Visc** 36.0
Formation : **PBTD : 0.0** **Perf :** **PKR Depth : 0.0**

Activity at Report Time: LD DP

Start	End	Hrs	Activity Description
06:00	06:30	0.5	SERVICE RIG, CHECK CRWON O MATIC, BOP FUNCTION TEST
06:30	22:30	16.0	DRILLED FROM 6489' TO 7109', (620'), ROP 38, MW 11.3, VIS 36, GPM 420, NO LOSS/GAIN, (7/15/2007 @ 2230 HRS TD WELL)
22:30	01:00	2.5	SHORT TRIP BIT, NO FLOW, GOOD WELL BORE, TRIP BACK TO BTM
01:00	02:00	1.0	SAFETY MEETING WITH THIRD PARTY CONTRACTORS, RIG UP PICK UP EQUIPMENT
02:00	06:00	4.0	LAY DOWN DRILL PIPE, NO RIG REPAIRS, NO ACCIDENTS, SAFETY MEETING # 1: PULLING SLIPS, SAFETY MEETING # 2: SUPPRESSION EQUIPMENT, FUEL ON HAND 3706 GLS, USED 861 GLS, MUD LOGGER ON LOCATION

07-17-2007 **Reported By** DUANE WINKLER

Daily Costs: Drilling \$39,390 **Completion** \$51,244 **Daily Total** \$90,634
Cum Costs: Drilling \$519,296 **Completion** \$124,499 **Well Total** \$643,795
MD 7.109 **TVD** 7.109 **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	09:30	3.5	LAY DOWN DRILL PIPE / BHA
09:30	10:00	0.5	PULL WEAR BUSHING.
10:00	17:00	7.0	RUN CSG, 166 JTS 4 1/2 X 11.6 # X N80 X LTC CSG & 3 - SHORT JTS OF 4 1/2 X 11.6 # P 110 LTC CSG, FLOAT SHOE @ 7109', FLOAT COLLAR @ 7062', MARKER JOINT @ 5941' & 3654', CENTRALIZERS, 5 FT. ABOVE SHOE, TOP OF JT #2 & EVERY 2ND JT TOTAL 40 CENTRALIZERS, CIRCULATE WELL.
17:00	18:00	1.0	RIG DOWN LAY DOWN TOOLS, THIRD PARTY SAFETY MEETING, RIG UP SCHLUMBERGER
18:00	20:00	2.0	TEST LINES 5000 PSI, PUMPING 20 BBLS CHEM WASH & 20 BBLS WATER SPACER AHEAD OF LEAD, CEMENT 7109' 4 1/2 N80 11.6# CSG, LEAD: 200 SKS, HI-LIFT G CMT 11.5 PPG, YIELD 2.98, 106 BBLS SLURRY, TAIL: 1030 SKS, 50/50 POZ G CMT, 14.10 PPG, YEILD 1.29, 236 BBLS SLURRY, DISPLACE TO FLOAT COLLER W/2GAL/1000 L064, FRESH WATER, W/ 109.5 BBLS, AVG. DISP. RATE 7.8 BPM, FULL RETURNS THROUGH OUT JOB, BUMPED PLUG 1000 PSI OVER LIFT PSI, CEMENT IN PLACE (7/16/2007 @ 2000 HRS, RIG DOWN SCHLUMBERGER.
20:00	21:00	1.0	LAND CSG, HANGER W/ FULL STRING WT. 74,000, TEST 5000 PSI, TESTED, CLEANING MUD TANKS, MUD LOGGER ON LOCATION 5 DAYS.
21:00	06:00	9.0	RIG DOWN ROTARY TOOLS, NO RIG REPAIRS, NO ACCIDENTS, SAFETY MEETING # 1: PULLING SLIPS, SAFETY MEETING # 2: RUNNING CASING, FUEL ON HAND 2900 GLS, USED 806 GLS, MUD LOGGER ON LOCATION 5 DAYS, TRANSFERED TO NBU 547-1E, 2900 GLS DIESEL, 7 JTS 4 1/2 X 11.6# N80 CSG (219.50'), RIG MOVE IS ONE AND HALF MILES, TRUCK TO MOVE RIG 0700,
06:00		18.0	RELEASE RIG @ 21:00 HRS, 7/16/07 CASING POINT COST: \$519,297

07-19-2007 **Reported By** SEARLE

Daily Costs: Drilling \$0 **Completion** \$36,450 **Daily Total** \$36,450

Cum Costs: Drilling \$519,296 **Completion** \$160,949 **Well Total** \$680,245
MD 7.109 **TVD** 7.109 **Progress** 0 **Days** 6 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 7063.0 **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 770'. EST CEMENT TOP @ 1130'. RD SCHLUMBERGER.

07-29-2007 **Reported By** MCCURDY

Daily Costs: Drilling \$0 **Completion** \$1,175 **Daily Total** \$1,175
Cum Costs: Drilling \$519,296 **Completion** \$162,124 **Well Total** \$681,420
MD 7.109 **TVD** 7.109 **Progress** 0 **Days** 7 **MW** 0.0 **Visc** 0.0
Formation : **PBTD :** 7063.0 **Perf :** **PKR Depth :** 0.0

Activity at Report Time: PREP FOR FRACS

Start	End	Hrs	Activity Description
		24.0	PRESSURE TEST CASING TO 6500 PSIG. HELD OK. BLEED OFF & SWL. WAIT ON FRAC EQUIPMENT.

08-03-2007 **Reported By** MCCURDY

Daily Costs: Drilling \$0 **Completion** \$235,308 **Daily Total** \$235,308
Cum Costs: Drilling \$519,296 **Completion** \$397,432 **Well Total** \$916,729
MD 7.109 **TVD** 7.109 **Progress** 0 **Days** 7 **MW** 0.0 **Visc** 0.0
Formation : MESAVERDE **PBTD :** 7063.0 **Perf :** 4777'-6951' **PKR Depth :** 0.0
WASATCH

Activity at Report Time: PREP TO MIRUSU

Start	End	Hrs	Activity Description
06:00	18:30	12.5	RU CUTTERS WL. PERFORATED UPR FROM 6811'-12', 6820'-21', 6830'-31', 6836'-37', 6873'-74', 6878'-79', 6888'-89', 6898'-99', 6914'-15', 6921'-22', 6943'-44' & 6950'-51' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106. 4168 GAL WF120 LINEAR PAD. 8226 GAL WF120 LINEAR 1# & 2#. 38846 GAL YF116ST- WITH 126000# 20/40 SAND @ 1-5 PPG. MTP 6053 PSIG. MTR 50.7 BPM. ATP 3891 PSIG. ATR 47.6 BPM. ISIP 2500 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6760'. PERFORATED UPR FROM 6579'-80', 6590'-91', 6606'-07', 6636'-37', 6641'-42', 6661'-62', 6692'-93', 6698'-99', 6716'-17', 6724'-25', 6737'-38' & 6747'-48' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106. 4114 GAL WF120 LINEAR PAD. 11585 GAL WF120 LINEAR 1# & 2#. 57423 GAL YF116ST- WITH 193700# 20/40 SAND @ 1-5 PPG. MTP 6159 PSIG. MTR 51.9 BPM. ATP 3542 PSIG. ATR 47.9 BPM. ISIP 2300 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6530'. PERFORATED UPR/NORTH HORN FROM 6345'-46', 6356'-57', 6363'-64', 6381'-82', 6386'-87', 6406'-07', 6411'-12', 6421'-22', 6463'-64', 6470'-71', 6504'-05' & 6511'-12' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106. 3101 GAL WF120 LINEAR PAD. 9695 GAL WF120 LINEAR 1# & 2#. 44198 GAL YF116ST- WITH 148300# 20/40 SAND @ 1-5 PPG. MTP 5488 PSIG. MTR 50.8 BPM. ATP 3667 PSIG. ATR 48 BPM. ISIP 2430 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6240'. PERFORATED BA/NORTH HORN FROM 5954'-55', 5959'-60', 5979'-80', 5996'-97', 6054'-55', 6096'-97', 6102'-03', 6112'-13', 6158'-59', 6170'-71', 6205'-06' & 6212'-13' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106. 4140 GAL WF120 LINEAR PAD. 13680 GAL WF120 LINEAR 1# & 2#. 59418 GAL YF116ST- WITH 204700# 20/40 SAND @ 1-5 PPG. MTP 6176 PSIG. MTR 50 BPM. ATP 3824 PSIG. ATR 47.3 BPM. ISIP 2100 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CBP AT 4830'. PERFORATED Ca FROM 4777'-85', 4792'-93' & 4797'-4800' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 2075 GAL WF120 LINEAR PAD, 4224 GAL WF120 LINEAR 1# & 2#, 21211 GAL YF116ST- WITH 68200# 20/40 SAND @ 1-5 PPG. MTP 3337 PSIG. MTR 35.3 BPM. ATP 2368 PSIG. ATR 32.5 BPM. ISIP 2000 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CBP AT 4698'. BLEED OFF PRESSURE. RDWL. SDFN.

08-04-2007		Reported By		LYCHE							
Daily Costs: Drilling	\$0	Completion	\$19,724	Daily Total		\$19,724					
Cum Costs: Drilling	\$519,296	Completion	\$417,157	Well Total		\$936,453					
MD	7.109	TVD	7.109	Progress	0	Days	8	MW	0.0	Visc	0.0
Formation : MESAVERDE / WASATCH		PBTD : 7063.0		Perf : 4777'-6951		PKR Depth : 0.0					

Activity at Report Time: CLEAN OUT AFTER FRAC

Start	End	Hrs	Activity Description
07:00	15:00	8.0	MIRUSU. RIH W/3-7/8" HURRICANE MILL & PUMP OFF BIT SUB TO CBP. SDFN.

08-07-2007		Reported By		LYCHE							
Daily Costs: Drilling	\$0	Completion	\$5,978	Daily Total		\$5,978					
Cum Costs: Drilling	\$519,296	Completion	\$423,135	Well Total		\$942,431					
MD	7.109	TVD	7.109	Progress	0	Days	9	MW	0.0	Visc	0.0
Formation : MESAVERDE / WASATCH		PBTD : 7063.0		Perf : 4777'-6951		PKR Depth : 0.0					

Activity at Report Time: FLOW TEST

Start	End	Hrs	Activity Description
06:00	15:00	9.0	SICP 0 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 4698', 4850', 6240', 6530' & 6760'. RIH. CLEANED OUT TO PBTD @ 7082'. LANDED TBG AT 6003' KB. ND BOPE. NU TREE. PUMPED OFF BIT & SUB. RDMOSU.

FLOWED 14 HRS. 16/64" CHOKE. FTP 900 PSIG. CP 950 PSIG. 47 BFPH. RECOVERED 774 BLW. 6138 BLWTR.

TUBING DETAIL LENGTH

PUMP OFF SUB .41'
 1 JT 2-3/8" 4.7# L-80 TBG 32.84'
 XN NIPPLE 1.10'
 182 JTS 2-3/8" 4.7# L-80 TBG 5953.26'
 BELOW KB 15.00'
 LANDED @ 6002.61' KB

08-08-2007		Reported By		LYCHE							
Daily Costs: Drilling	\$0	Completion	\$900	Daily Total		\$900					
Cum Costs: Drilling	\$519,296	Completion	\$424,035	Well Total		\$943,331					
MD	7.109	TVD	7.109	Progress	0	Days	10	MW	0.0	Visc	0.0
Formation : MESAVERDE / WASATCH		PBTD : 7063.0		Perf : 4777'-6951		PKR Depth : 0.0					

Activity at Report Time: FLOW TEST

Start	End	Hrs	Activity Description
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06:00 06:00 24.0 FLOWED 24 HRS. 24/64" CHOKE. FTP 1250 PSIG. CP 1850 PSIG. 30 BFPH. RECOVERED 888 BLW. 5258 BLWTR.

08-09-2007 Reported By LYCHE

Daily Costs: Drilling \$0 Completion \$900 Daily Total \$900
 Cum Costs: Drilling \$519,296 Completion \$424,935 Well Total \$944,231

MD 7.109 TVD 7.109 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation : MESAVERDE / WASATCH PBTB : 7063.0 Perf : 4777' - 6951 PKR Depth : 0.0

Activity at Report Time: WO FACILITIES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED 24 HRS. 24/64" CHOKE. FTP 1350 PSIG. CP 1700 PSIG. 17 BFPH. RECOVERED 478 BLW. 4780 BLWTR. SI. WO FACILITIES.

FINAL COMPLETION DATE: 8/8/07

08-16-2007 Reported By DUANE COOK

Daily Costs: Drilling \$0 Completion \$0 Daily Total \$0
 Cum Costs: Drilling \$519,296 Completion \$424,935 Well Total \$944,231

MD 7.109 TVD 7.109 Progress 0 Days 12 MW 0.0 Visc 0.0

Formation : MESAVERDE / WASATCH PBTB : 7063.0 Perf : 4777' - 6951 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 1800 & CP 2200 PSI. TURNED WELL TO QUESTAR SALES AT 10:00 AM. 8/15/07. FLOWED 1200 MCFD RATE ON 12/64" POS CHOKE. STATIC 510.

08-17-2007 Reported By DUANE COOK

Daily Costs: Drilling \$0 Completion \$0 Daily Total \$0
 Cum Costs: Drilling \$519,296 Completion \$424,935 Well Total \$944,231

MD 7.109 TVD 7.109 Progress 0 Days 13 MW 0.0 Visc 0.0

Formation : MESAVERDE / WASATCH PBTB : 7063.0 Perf : 4777' - 6951 PKR Depth : 0.0

Activity at Report Time: ON SALES

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED 927 MCF. 23 BC & 135 BW IN 24 HRS ON 12/64" CHOKE. TP 1750 PSIG, 2150 PSIG.

08-20-2007 Reported By DUANE COOK

Daily Costs: Drilling \$0 Completion \$0 Daily Total \$0
 Cum Costs: Drilling \$519,296 Completion \$424,935 Well Total \$944,231

MD 7.109 TVD 7.109 Progress 0 Days 14 MW 0.0 Visc 0.0

Formation : MESAVERDE / WASATCH PBTB : 7063.0 Perf : 4777' - 6951 PKR Depth : 0.0

Activity at Report Time: ON SALES

Start End Hrs Activity Description

06:00 06:00 24.0 8/18/07 - FLOWED 998 MCF. 21 BC & 115 BW IN 24 HRS ON 12/64" CHOKE. TP 1720 PSIG & CP 2130 PSIG.

8/19/07 - FLOWED 999 MCF. 20 BC & 125 BW IN 24 HRS ON 12/64" CHOKE. TP 1700 PSIG & CP 2100 PSIG.

8/20/07 - FLOWED 975 MCF, 17 BC & 120 BW IN 24 HRS ON 12/64" CHOKE, TP 1675 PSIG & CP 2100 PSIG.

08-21-2007 Reported By DUANE COOK

Daily Costs: Drilling	\$0	Completion	\$0	Daily Total	\$0
Cum Costs: Drilling	\$519,296	Completion	\$424,935	Well Total	\$944,231
MD	7.109	TVD	7.109	Progress	0
				Days	15
				MW	0.0
				Visc	0.0
Formation : MESAVERDE / WASATCH		PBTD : 7063.0	Perf : 4777' -6951	PKR Depth : 0.0	

Activity at Report Time: ON SALES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 1015 MCF, 20 BC & 121 BW IN 24 HRS ON 12/64" CHOKE, TP 1670 PSIG & CP 2100 PSIG.

08-22-2007 Reported By DUANE COOK

Daily Costs: Drilling	\$0	Completion	\$0	Daily Total	\$0
Cum Costs: Drilling	\$519,296	Completion	\$424,935	Well Total	\$944,231
MD	7.109	TVD	7.109	Progress	0
				Days	16
				MW	0.0
				Visc	0.0
Formation : MESAVERDE / WASATCH		PBTD : 7063.0	Perf : 4777' -6951	PKR Depth : 0.0	

Activity at Report Time: ON SALES

Start	End	Hrs	Activity Description
06:00	06:00	24.0	FLOWED 1013 MCF, 18 BC & 121 BW IN 24 HRS ON 12/64" CHOKE, TP 1660 PSIG & CP 2080 PSIG.

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:
U-01197-A-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
Natural Buttes Unit

8. WELL NAME and NUMBER:
Natural Buttes Unit 513-12EX

9. API NUMBER:
43-047-39283

10. FIELD AND POOL, OR WILDCAT
Natural Buttes/Wasatch/MV

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SENW 12 10S 22E S

12. COUNTY
Uintah

13. STATE
UTAH

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR:
EOG Resources, Inc.

3. ADDRESS OF OPERATOR: **600 17th St., Suite 1000N** CITY **Denver** STATE **CO** ZIP **80229** PHONE NUMBER: **(303) 824-5526**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **1850' FNL & 2133' FWL 39.965617 LAT 109.390069 LON**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **Same**
AT TOTAL DEPTH: **Same**

14. DATE SPUDDED: **5/7/2007** 15. DATE T.D. REACHED: **7/15/2007** 16. DATE COMPLETED: **8/15/2007** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5167' NAT GL

18. TOTAL DEPTH: MD **7,109** TVD _____ 19. PLUG BACK T.D.: MD **7,063** TVD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____

21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
RST/CBL/CCL/VOL/GR, Temp, Press

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
12-1/4"	9-5/8" J-55	36.0	0	2,347		700 sx			
7-7/8"	4-1/2" N-80	11.6	0	7,109		1230 sx			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6.003							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch/Mesaverde	4,777	6,951			6,811 6,951		3/spf	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6,579 6,748		3/spf	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					6,345 6,512		3/spf	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					5,954 6,213		3/spf	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6811-6951	51,405 GALS GELLED WATER & 126,000# 20/40 SAND
6579-6748	73,287 GALS GELLED WATER & 193,700# 20/40 SAND
6345-6512	57,159 GALS GELLED WATER & 148,300# 20/40 SAND

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:
Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 8/15/2007		TEST DATE: 8/19/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 20	GAS - MCF: 999	WATER - BBL: 125	PROD. METHOD: Flows
CHOKE SIZE: 12/64"	TBG. PRESS. 1,700	CSG. PRESS. 2,100	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 20	GAS - MCF: 999	WATER - BBL: 125	INTERVAL STATUS: Producing

INTERVAL B (As shown in Item #26)

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

INTERVAL C (As shown in Item #26)

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

INTERVAL D (As shown in Item #26)

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

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

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch/ Mesaverde	4,777	6,951		Wasatch Chapita Wells Buck Canvon Price River	4,104 4,688 5,293 6,400

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Mary A. Maestas TITLE Regulatory Assistant
 SIGNATURE Mary A. Maestas DATE 8/29/2007

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 Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

Natural Buttes Unit 513-12EX - ADDITIONAL REMARKS (CONTINUED):

27. PERFORATION RECORD

4777-4800	3/spf

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

5954-6213	77,403 GALS GELLED WATER & 204,700# 20/40 SAND
4777-4800	27,510 GALS GELLED WATER & 68,200# 20/40 SAND

Perforated the Upper Price River from 6811-6812', 6820-6821', 6830-6831', 6836-6837', 6873-6874', 6878-6879', 6888-6889', 6898-6899', 6914-6915', 6921-6922', 6943-6944' & 6950-6951' w/ 3 spf.

Perforated the Upper Price River from 6579-6580', 6590-6591', 6606-6607', 6636-6637', 6641-6642', 6661-6662', 6692-6693', 6698-6699', 6716-6717', 6724-6725', 6737-6738' & 6747-6748' w/ 3 spf.

Perforated the Upper Price River/North Horn from 6345-6346', 6356-6357', 6363-6364', 6381-6382', 6386-6387', 6406-6407', 6411-6412', 6421-6422', 6463-6464', 6470-6471', 6504-6505' & 6511-6512' w/ 3 spf.

Perforated the Buck Canyon/North Horn from 5954-5955', 5959-5960', 5979-5980', 5996-5997', 6054-6055', 6096-6097', 6102-6103', 6112-6113', 6158-6159', 6170-6171', 6205-6206' & 6212-6213' w/ 3 spf.

Perforated the Chapita Wells from 4777-4785', 4792-4793' & 4797-4800' w/ 3 spf.

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: NBU 513-12EX

API number: 4304739283

Well Location: QQ SENW Section 12 Township 10S Range 22E County UINTAH

Well operator: EOG

Address: 1060 E HWY 40

city VERNAL state UT zip 84078

Phone: (435) 781-9111

Drilling contractor: MAJOR

Address: 2200 S 4000 W

city SALT LAKE CITY state UT zip 84120

Phone: (801) 974-0645

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
1,380	1,420	NO FLOW	NOT KNOWN

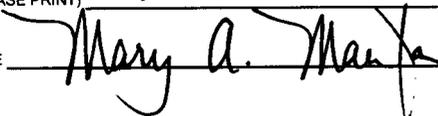
Formation tops: 1 _____ 2 _____ 3 _____
 (Top to Bottom) 4 _____ 5 _____ 6 _____
 7 _____ 8 _____ 9 _____
 10 _____ 11 _____ 12 _____

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 

DATE 8/29/2007

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

X Change of Operator (Well Sold)
 Operator Name Change

Designation of Agent/Operator
 Merger

ROUTING

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

The operator of the well(s) listed below has changed, effective: **8/1/2007**

FROM: (Old Operator): N9550-EOG Resources PO Box 250 Big Piney, WY 83113 Phone: 1-(307) 276-3331	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
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WELL NAME(S)	CA No.			Unit:		NATURAL BUTTES		
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 547-1E	01	100S	220E	4304736278	2900	Federal	GW	P
NBU 451-1E	01	100S	220E	4304736279	2900	Federal	GW	P
NBU 513-12EX (RIGSKID)	12	100S	220E	4304739283	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
- If **NO**, the operator was contacted on:
- (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 not yet 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: 10/29/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/29/2007
- Bond information entered in RBDMS on: 10/29/2007
- Fee/State wells attached to bond in RBDMS on: 10/29/2007
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New 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 RLB0005236
- The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a
- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change 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

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
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: Natural Buttes Unit
2. NAME OF OPERATOR: EOG Resources, Inc.		8. WELL NAME and NUMBER: Natural Buttes Unit 513-12EX
3. ADDRESS OF OPERATOR: 1060 East Highway 40 Vernal UT 84078		9. API NUMBER: 43-047-39283
PHONE NUMBER: (435) 781-9145		10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch/Mesaverd
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,850' FNL & 2,133' FWL 39.965617 LAT 109.390069 LON		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 22E S.L.B.& M.		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 type="checkbox"/> PRODUCTION (START/RESUME) <input checked="" 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: _____

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

All material, debris, trash, and junk was removed from the location. The reserve pit was reclaimed. Stockpiled topsoil was spread over the pit area and broadcast seeded with the prescribed seed mixture. The seeded area was then walked down with a cat. Interim reclamation was completed on 5/2/2008.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>2/4/2009</u>

(This space for State use only)

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FEB 09 2009
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
Multiple Leases

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
EOG Resources, Inc

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

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

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

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

8. Well Name and No.
Multiple Wells

9. API Well No.
See Attached

10. Field and Pool or Exploratory Area
Natural Buttes

11. Country or Parish, State
Utah, Utah

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

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

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

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

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

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

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

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

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

Name (Printed/Typed)
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature [Signature] Date 12/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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Approved by _____ Title _____ Date **DEC 24 2009**

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

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

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

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DIV. OF OIL, GAS & MINING

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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DEC 24 2009

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

RECEIVED

DEC 24 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		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 513-12EX (RIGSKID)	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047392830000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/3/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> 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 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 checked="" 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: 50px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator request the authorization to temporarily abandon the subject well location. The operator proposes to TA the subject well to drill the NBU 1022-12F Pad, which consists of the following wells: NBU 1022-12E1BS, NBU 1022-12E1CS, NBU 1022-12E4BS, NBU 1022-12F1BS, NBU 1022-12F1CS & NBU 1022-12F4BS.</p>		
		<p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: <u>11/23/2011</u></p> <p>By: <u><i>Derek Duff</i></u></p>
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 11/3/2011	

Well Name: **NBU 513-12EX**
Surface Location: SENW Sec. 12, T10S, R22E
 Uintah County, UT

11/1/2011

API: 4304739283 **LEASE#:** U-01197-A-ST
ELEVATIONS: 5167' GL 5179' KB
TOTAL DEPTH: 7109' **PBTD:** 7063'
SURFACE CASING: 9 5/8", 36# J-55 @ 2347'
PRODUCTION CASING: 4 1/2", 11.6# N-80 @ 7109'
 TOC @ ~1150' per CBL
PERFORATIONS: WASATCH 4777' - 6951'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.0217	0.0039
4.5" 11.6# N-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# K-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.0101
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2276	0.0406
9 5/8" csg X 12 1/4" borehole				2.3436	0.3132	0.0558

GEOLOGICAL TOPS:
 4104' Wasatch

Tech. Pub. #92 Base of USDW's
 USDW Elevation ~1300' MSL
 USDW Depth ~3879' KBE

Recommended future action for disposition of well bore:

Temporarily abandon the wellbore during the drilling and completion operations of the **NBU 1022-12F** pad wells. Return to production as soon as possible once completions are done.

NBU 513-12EX TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- 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.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx Class "G" cement needed for procedure

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. **PLUG #1, ISOLATE WAS PERFORATIONS (4777' - 6951')**: RIH W/ 4 1/2" CBP. SET @ ~4720'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~4620'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT TOP OF WASATCH (4104')**: PUH TO ~4210'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4000' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 11/1/2011

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		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 513-12EX (RIGSKID)	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047392830000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/12/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 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 checked="" 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has concluded the temporary abandonment operations on the subject well location on 3/12/2012. This well was plugged in order to expand and drill the NBU 1022-12F Pad wells. Please see the attached chronological well history for details. Thank you.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 11, 2012</p>
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/10/2012	

US ROCKIES REGION
Operation Summary Report

Well: NBU 513-12EX		Spud Date: 7/12/2007	
Project: UTAH-UINTAH		Site: NBU 1022-12F PAD	Rig Name No: MILES 2/2
Event: ABANDONMENT		Start Date: 2/21/2012	End Date: 3/1/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 513-12EX	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/29/2012	7:00 - 7:30	0.50	ABAND	48		P		MIRU
	7:30 - 16:30	9.00	ABAND	45		P		MIRU,BLOW DWN WELL, KILL WELL WITH 20 BBLS DWN TBG, 30 DWN CSG, NDWH, NU BOP'S, TEST BOP'S, UNLAND TBG, RU PRS, SCAN TBG OOH, STD BACK 73 STDS, LAY DWN BALANCE, RD PRS, RU CUTTERS, RUN GAUGE RING TO 4740', POOH PU 8K CBP, TIH TO 4720' SET CBP, RD CUTTERS, SWIFN
3/1/2012	7:00 - 7:30	0.50	ABAND	48		P		CEMENTING
	7:30 - 17:00	9.50	ABAND	51		P		TIH TBG, TO 4720' 146 JTS, BREAK CIRC, ROLL HOLE WITH TREATED T-MAC, PRESSURE TEST CSG 500# FOR 5 MIN, RU SUPERIOR, ALL CEMENT IS CLASS G, 1.145 YIELD, 4.9 GW/SX, 15.8 DENISTY, SET BALNCE PLUG 4720' PUMP 2.5 BBLS FESH WTR, 10 SX, 2 BBLS DISPLACE WITH 1 BBL FRESH, 16.8 BBLS TREATED T-MAC, PU TO 4221' 120 JTS, SET 2ND BALANCED PLUG, PUMP 2.5 BBLS FRESH WTR, 20 SX, 4.1 BBLS CEMENT, DISPLACE WITH 1 BBL FRESH, 14.3 BBLS TREATED T-MAC, POOH LAY DWN TBG, ND BOP'S, RDMO TO SC 923-31M GYRO RAN 2/26/12 TBG J-55 179 JTS YELLOW BAND 5853.30' 4 JTS RED BAND 130.80' LAT/LONG: 39.96562/-109.39006 ELEV 5194"
3/12/2012	7:00 - 17:00	10.00						REMOVE PROD FACILITIES TO PREP WELLSITE FOR PAD DRILLING.

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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047392830000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/23/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <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"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>THE NBU 513-12EX WELL WAS SHUT IN AND RETURNED TO PRODUCTION ON 12/23/2014. THANK YOU.</p> <div style="text-align: right;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>December 30, 2014</p> </div>		
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMBER 720 929 6582	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/29/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
10. COUNTY: UINTAH	
10. STATE: UTAH	
1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	
PHONE NUMBER: 720 929-6100	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/21/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: WELLBORE CLEANOUT

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

A WORKOVER/WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE NBU 513-12EX. SEE THE ATTACHED OPERATIONS SUMMARY REPORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 03, 2015

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 1/26/2015	

US ROCKIES REGION
Operation Summary Report

Well: NBU 513-12EX

Spud date: 7/12/2007

Project: UTAH-UINTAH

Site: NBU 1022-12F PAD

Rig name no.: MILES 2/2

Event: WELL WORK EXPENSE

Start date: 1/12/2015

End date: 1/15/2015

Active datum: RKB @0.00usft (above Mean Sea Level)

UWI: NBU 513-12EX

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
1/12/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 11:00	3.75	MAINT	30	A	P		MIRU, 60# FCP, CONTROL WELL W/ 15 BBLS T-MAC, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	11:00 - 13:00	2.00	MAINT	31	I	P		P/U TBG, TIH & TAG FILL @ 6845' (106' ABOVE BTM PERF), MIRU SCAN TECH, TOO H & SCAN TBG, SCAN SHOWED 96 YELLOW JTS, 20 BLUE JTS & 73 RED JTS, TBG HAD INTERNAL SCALE FROM JNT 121-189, EXTERNAL SCALE FROM JNT 152-189, TOOLS WERE IN JNT 179, RD SCAN TECH
	13:00 - 17:00	4.00	MAINT	31	I	P		P/U X-LONG 3-7/8" SLAUGH MILL, TIH W/ 2-3/8" TBG TO 4950', SWI, DRAIN PUMP & LINES, SDFN
1/13/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 10:00	2.75	MAINT	31	I	P		400# SICP, P/U TBG & TIH, TAG FILL @ 6657'
	10:00 - 17:30	7.50	MAINT	44	D	P		MIRU TECH FOAM, BREAK CIRC IN 45 MINS, C/O FROM 6657' TO 6833' & PLUGGED THE MILL, TOO H W/ 6 JTS, MIRU SWABB EQUIP, SWABB TBG & CLEARED MILL, TIH W/ 6 JTS, TBG PLUGED AGIN, MAKE ANOTHER SWABB RUN, SWI, DRAIN PUMP & LINES, SDFN
1/14/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 8:30	1.25	MAINT	42	B	P		540# SICP, 0# SITP, SWABB TBG BUT COULD NOT CLEAR PLUGGED MILL
	8:30 - 12:30	4.00	MAINT	31	I	P		TOOH W/ 2-3/8" TBG, FIND MILL PACKED FULL OF BLACK SCALE, CLEAN OUT MILL, TIH W/ TBG TO 6752'
	12:30 - 17:00	4.50	MAINT	44	D	P		BREAK CIRC W/ FOAM UNIT IN 1HR 30MINS, C/O FROM 6752' TO 7067' (116' BELOW BTM PERF), CIRC WELL CLEAN, RD TECH FOAM, RD PWR SWVL, TOO H & LD 34 JTS ON TRAILER, SWI, DRAIN PUMP & LINES, SDFN
1/15/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 12:00	4.75	MAINT	31	I	P		600# SICP, CONTROL WELL W/ 30 BBLS T-MAC, TOOH W/ 2-3/8" TBG, LD 3-7/8" MILL, MU XN NIPPLE, TIH W/ TBG, BROACH TBG W/ 1.910 BROACH TO XN, LAND TBG ON HANGER W/ 189 JTS L-80
	12:00 - 16:30	4.50	MAINT	30	C	P		ND BOP'S, NU WH, RDMO
								KB 12' HANGER .83' 189 JTS 2-3/8" L-80 TBG 5985.78' XN NIPPLE 1.05' EOT @ 5999.70' TWLTR 60 BBLS
1/19/2015	7:00 - 11:00	4.00	PROD	42		P		SWABBING FL 3475
1/20/2015	7:00 - 16:00	9.00	PROD	42		P		SWABBING FL 3750

US ROCKIES REGION
Operation Summary Report

Well: NBU 513-12EX				Spud date: 7/12/2007				
Project: UTAH-UINTAH			Site: NBU 1022-12F PAD			Rig name no.: MILES 2/2		
Event: WELL WORK EXPENSE			Start date: 1/12/2015		End date: 1/15/2015			
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 513-12EX				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
1/21/2015	7:00 - 9:00	2.00	MAINT	35		P		Ran TD to 7083'. Ran 1.91 broach to 5779' stacked out couldn't get passed tried pulling up to get a run at it but kept hanging tools up every time I pulled up started pulling out of the hole kept hanging tools up all the way out of the hole rigged down didn't have any thing on broach tools hit hard in the wellhead what ever was hanging tools up could have came off then.
	7:00 - 12:00	5.00	PROD	42		P		SWABBING FL 3100

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
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 Gas Well		8. WELL NAME and NUMBER: NBU 513-12EX (RIGSKID)
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047392830000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/28/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	OTHER: WELLBORE CLEANOUT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
A WORKOVER/WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE NBU 513-12EX, SEE THE ATTACHED OPERATIONS SUMMARY REPORT.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 17, 2015		
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 2/12/2015

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 513-12EX			Spud date: 7/12/2007		
Project: UTAH-UINTAH		Site: NBU 1022-12F PAD		Rig name no.: MILES 2/2	
Event: WELL WORK EXPENSE		Start date: 1/12/2015		End date: 1/15/2015	
Active datum: RKB @0.00usft (above Mean Sea Level)			UWI: NBU 513-12EX		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
1/12/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 11:00	3.75	MAINT	30	A	P		MIRU, 60# FCP, CONTROL WELL W/ 15 BBLS T-MAC, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	11:00 - 13:00	2.00	MAINT	31	I	P		P/U TBG, TIH & TAG FILL @ 6845' (106' ABOVE BTM PERF), MIRU SCAN TECH, TOO H & SCAN TBG, SCAN SHOWED 96 YELLOW JTS, 20 BLUE JTS & 73 RED JTS, TBG HAD INTERNAL SCALE FROM JNT 121-189, EXTERNAL SCALE FROM JNT 152-189, TOOLS WERE IN JNT 179, RD SCAN TECH
	13:00 - 17:00	4.00	MAINT	31	I	P		P/U X-LONG 3-7/8" SLAUGH MILL, TIH W/ 2-3/8" TBG TO 4950', SWI, DRAIN PUMP & LINES, SDFN
1/13/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 10:00	2.75	MAINT	31	I	P		400# SICP, P/U TBG & TIH, TAG FILL @ 6657'
	10:00 - 17:30	7.50	MAINT	44	D	P		MIRU TECH FOAM, BREAK CIRC IN 45 MINS, C/O FROM 6657' TO 6833' & PLUGGED THE MILL, TOO H W/ 6 JTS, MIRU SWABB EQUIP, SWABB TBG & CLEARED MILL, TIH W/ 6 JTS, TBG PLUGED AGIN, MAKE ANOTHER SWABB RUN, SWI, DRAIN PUMP & LINES, SDFN
1/14/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 8:30	1.25	MAINT	42	B	P		540# SICP, 0# SITP, SWABB TBG BUT COULD NOT CLEAR PLUGED MILL
	8:30 - 12:30	4.00	MAINT	31	I	P		TOOH W/ 2-3/8" TBG, FIND MILL PACKED FULL OF BLACK SCALE, CLEAN OUT MILL, TIH W/ TBG TO 6752'
	12:30 - 17:00	4.50	MAINT	44	D	P		BREAK CIRC W/ FOAM UNIT IN 1HR 30MINS, C/O FROM 6752' TO 7067' (116' BELOW BTM PERF), CIRC WELL CLEAN, RD TECH FOAM, RD PWR SWVL, TOO H & LD 34 JTS ON TRAILER, SWI, DRAIN PUMP & LINES, SDFN
1/15/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 12:00	4.75	MAINT	31	I	P		600# SICP, CONTROL WELL W/ 30 BBLS T-MAC, TOO H W/ 2-3/8" TBG, LD 3-7/8" MILL, MU XN NIPPLE, TIH W/ TBG, BROACH TBG W/ 1.910 BROACH TO XN, LAND TBG ON HANGER W/ 189 JTS L-80
	12:00 - 16:30	4.50	MAINT	30	C	P		ND BOP'S, NU WH, RDMO
								KB 12' HANGER .83' 189 JTS 2-3/8" L-80 TBG 5985.78' XN NIPPLE 1.05' EOT @ 5999.70' TWLTR 60 BBLS
1/19/2015	7:00 - 11:00	4.00	PROD	42		P		SWABBING FL 3475
1/20/2015	7:00 - 16:00	9.00	PROD	42		P		SWABBING FL 3750

US ROCKIES REGION
Operation Summary Report

Well: NBU 513-12EX		Spud date: 7/12/2007	
Project: UTAH-UINTAH		Site: NBU 1022-12F PAD	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE		Start date: 1/12/2015	End date: 1/15/2015
Active datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 513-12EX	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
1/21/2015	7:00 - 9:00	2.00	MAINT	35		P		Ran TD to 7083'. Ran 1.91 broach to 5779' stacked out couldn't get passed tried pulling up to get a run at it but kept hanging tools up every time I pulled up started pulling out of the hole kept hanging tools up all the way out of the hole rigged down didn't have any thing on broach tools hit hard in the wellhead what ever was hanging tools up could have came off then.
	7:00 - 12:00	5.00	PROD	42		P		SWABBING FL 3100
1/22/2015	7:00 - 17:00	10.00	MAINT	35		P		Travel to location arrive at 10 20am then rig up unit build up scratcher rih stack out at 1126 pull up then beat down pull up and out of bore had gathered 9.5 ft of 092 wire run back in hole stack out at 3376 bring back 1.5 ft of 092 wire rih stack out at 5726 bring back 8 inches of 092 wire rih td well at 7053 pooh then run broach stack out at 5736 pull up jar out then work out of hole with 1.5 ft of wire rerun broach and stack out at 5774 jar out pooh run scratcher brought back a 2 ft piece and a 9 inch piece of 092 rerun broach stack out at 4900 pooh and a 8 inch piece of wire rerun stack out at 5782 pull up and jar then continue jarring and working up hole tell jars give out at 5543 then continue to spang and beat way out of hole making it eventually to 743 ft where line jumped pully had to drop cutterbar and cut at top of tools left well shut in for night will be back to continue working well after fishing in section 8 left location at 6:35 pm unit will need to go to town for new line and replacement of hydrolic motor due to extreme pressure and beating
1/24/2015	7:00 - 15:00	8.00	MAINT	35		P		Travel to shop 6:00am replace motor on unit and damaged keys Dodge coupler plus remove old line and replace with new line on unit then travel to location left shop 12:18 rig up unit rih latch cutter bar and pull at 748 ft Left location 5:00pm
1/25/2015	7:00 - 12:00	5.00	MAINT	35		P		Travel to location rig up unit rih latch tools and begin jarring and beating from 748 foot jarring at 1100 psi and spanging in attempt to retrieve tools and wire from hole after 45 min sheer off and attempt to drive tools plus wire down was unable to move pooh tie socket relatch and jar up to 1350 psi at that weight pulling tool is sheering when the jars hit rig down as we are not making headway travel
1/28/2015	7:00 - 10:00	3.00	MAINT	35		P		CUTTERS FISHED DELSCO'S TOOLS OUT OF TUBING/MADE ONE RUN WITH A WIRE GRABBER/GOT STUCK AT 8550/PULLED 6000 POUNDS/FREED UP/CAME OUT OF WELL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
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 Gas Well		8. WELL NAME and NUMBER: NBU 513-12EX (RIGSKID)
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047392830000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6507	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/25/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The NUB 513-12EX well was returned to production on 11/25/2015.</p> <p style="text-align: center;">Thank you.</p> <div style="text-align: right;"> <p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 01, 2015</p> </div>		
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A		DATE 11/30/2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST	
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 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 513-12EX (RIGSKID)
PHONE NUMBER: 720 929-6507	9. API NUMBER: 43047392830000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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: 4/29/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input 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.

The NBU 513-12EX well was returned to production on 4/29/2016.
 Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 05, 2016

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 5/4/2016	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 513-12EX (RIGSKID)	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047392830000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6456	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850 FNL 2133 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/7/2016 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. A WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE NBU 513-12EX WELL. PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR DETAILS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 22, 2016		OTHER: <input type="text" value="WORKOVER"/>
NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 9/19/2016	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 513-12EX					Spud date: 7/12/2007				
Project: UTAH-UINTAH			Site: NBU 1022-12F PAD			Rig name no.: ROCKY MOUNTAIN WELL SERVICE 3/3			
Event: WELL WORK EXPENSE			Start date: 8/31/2016		End date: 9/7/2016				
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 513-12EX					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
8/31/2016	11:00 - 12:00	1.00	MAINT	30	A	P		ROAD RIG F/ 547-1E. MIRU RIG & SPOT RIG EQUIP.	
	12:00 - 17:00	5.00	MAINT	31	S	P		SICP = 450#. BLW WELL DWN. PUMP 20 BBLS DWN TBG. ND WH. UNLAND TBG (TBG NOT STUCK). RELAND TBG. NU BOP. RU RIG FLOOR & TBG EQUIP. UNLAND TBG, LD 7 1/16 TBG HNGR. MIRU SCAN TECH. SCAN OOH W/ 80 JTS. SWIFN. EOT @ 3455'.	
9/1/2016	6:45 - 7:00	0.25	MAINT	48	B	P		HSM	
	7:00 - 10:30	3.50	MAINT	31	S	P		SICP = 450#. BLW WELL DWN. PUMP 20 BBLS DWN TBG. FINISH SCAN TBG OOH W/ TBG. FOUND: 183 YB, 6 RB, LIGHT OD SCALE F/ SURFACE - 3613', MED OD SCALE F/ 3613' - 6000' EOT. 6 RB JTS F/ WALL LOSS & PIN END PITTING. NO SL TOOLS IN TBG. RDMO SCAN TECH.	
	10:30 - 15:00	4.50	MAINT	31	I	P		PUMP 10 BBLS DWN CSG W/ RIG PUMP. MIRU NALCO PUMP TRUCK. PUMP 10 GAL CRS INHB. PU 3 7/8 MILL, POBS, XN. RIH W/ 198 JTS 2 3/8 L-80. EOT @ 6276'. SWIFHWE.	
9/6/2016	6:45 - 7:00	0.25	MAINT	48	B	P		HSM.	
	7:00 - 8:00	1.00	MAINT	31	R	P		SICP = 450#. BLW WELL DWN T/ FBT. PUMP 10 BBLS T-MAC DWN TBG. RIH W/ 20 JTS & TAG SCALE @ 6906'.	
	8:00 - 12:00	4.00	MAINT	44	D	P		RU DRL EQUIP. BRK CONV CIRC W/ FU. C/O F/ 6906' - 6980' = 30' RH. VERY STICKY. BECAME STUCK 2 TIMES. WORK TBG FREE. CIRC WELL CLN. RD DRL EQUIP.	
	12:00 - 14:30	2.50	MAINT	31	P	P		POOH LD 33 JTS EXESS TBG. SB 187 JTS 2 3/8 TBG. LD POBS & 3 7/8 MILL.	
	14:30 - 17:00	2.50	MAINT	34	I	P		MIRU WL TRUCK. PU 4 1/2 GR. RIH T/ 6980'. POOH. PU 4 1/2, 10K CIBP. RIH SET CIBP @ 6977'. POOH, RDMO PERFORATORS. SWIFN.	
	9/7/2016	6:45 - 7:00	0.25	MAINT	48	B	P		HSM
	7:00 - 9:00	2.00	MAINT	46	E	P		WAIT ON WEATHERFORD ROD CREW.	
	9:00 - 11:30	2.50	MAINT	31	I	P		SICP = 460#. BLW WELL DWN. PUMP 15 BBLS DWN TBG. PU 2 7/8 BP, 23' SSWWS, 1.875 XN, 4' P-110 PUP JT. RIH W/ 187 JTS 2 3/8 L-80 TBG & LAND TBG ON 7 1/16 TBG HNGR. THE XN NIPPLE IS LANDED @ 5928'. THE END OF SSWWS IS @ 5951'. NOTE: CAN NOT GET OUT THE END OF TBG!!!!	
	11:30 - 14:00	2.50	MAINT	31	I	P		RU BROACH EQUIP. BROACH TBG T/ XN NIPPLE @ 5928'. ALL TBG BROACH GOOD. RD BROACH EQUIP. RD TBG EQUIP & RIG FLOOR. ND BOP. NU WH. RACK OUT RIG EQUIP. RDMO RIG.	
	14:00 - 17:00	3.00	MAINT	31	H	P		RU FU/N2 UNIT T/ TBG. UNLOAD WELL T/ FBT 2 TIMES. RECOVER 60 BBLS. PURGE WELL. SWIFN. TTL LOAD PUMPED = 260 BBLS. LOAD RECOVERD = 60 BBLS.	