

**EOG Resources, Inc.**  
**P.O. 1910**  
**Vernal, UT 84078**

March 15, 2004

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
CHAPITA WELLS UNIT 862-32  
SW/SW, SEC. 32, T9S, R23E  
UINTAH COUNTY, UTAH  
LEASE NO.: ML-3355  
UTAH STATE LANDS

Enclosed please find an original and one copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Sincerely,

  
Ed Trotter  
Agent  
EOG Resources, Inc.

Attachments

RECEIVED

MAR 17 2004

DIV. OF OIL, GAS & MINING

001

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: ML-3355	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 type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: CHAPITA WELLS UNIT	
2. NAME OF OPERATOR: EOG RESOURCES, INC.		9. WELL NAME and NUMBER: CHAPITA WELLS UNIT 862-32	
3. ADDRESS OF OPERATOR: P.O. BOX 18151910 CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 789-0970	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 959' FSL, 1198' FWL AT PROPOSED PRODUCING ZONE: SAME		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 32 9S 23E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 28.7 MILES SOUTHEAST OF OURAY, UTAH		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 959'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) See TOPO Map "C"	19. PROPOSED DEPTH: 8,645	20. BOND DESCRIPTION: JP-0921	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5154.3 FEET GRADED GROUND	22. APPROXIMATE DATE WORK WILL START: 4/15/2004	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#	250	SEE 8 POINT PLAN
12 1/4"	9 5/8" J-55 36#	2,500	SEE 8 POINT PLAN
7 7/8"	4 1/2" N-80 11.6#	8,645	SEE 8 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) Ed Trotter TITLE Agent  
SIGNATURE *Ed Trotter* DATE 3/15/2004

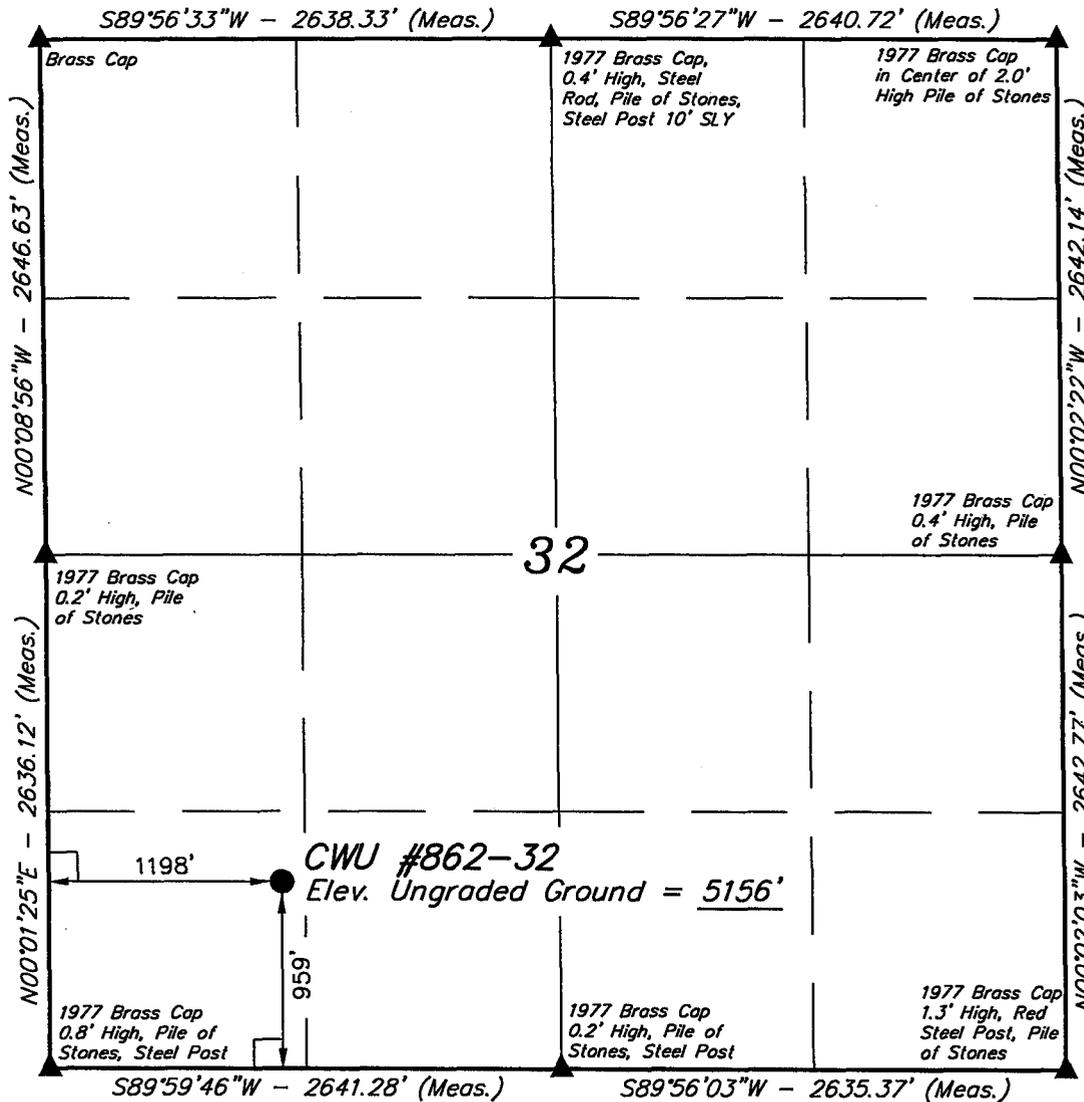
(This space for State use only)

API NUMBER ASSIGNED: 43-042-35579

Approved by the  
**Utah Division of  
Oil, Gas and Mining**  
Date: 06-07-04  
Instructions on Reverse Side

RECEIVED  
MAR 17 2004  
DIV. OF OIL, GAS & MINING

# T9S, R23E, S.L.B.&M.



**LEGEND:**

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

(NAD 27)  
 LATITUDE = 39°59'16.41" (39.987892)  
 LONGITUDE = 109°21'18.71" (109.355197)

## EOG RESOURCES, INC.

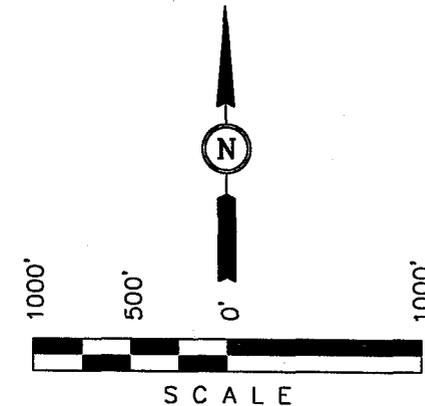
Well location, CWU #862-32, located as shown in the SW 1/4 SW 1/4 of Section 32, T9S, R23E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

BENCHMARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

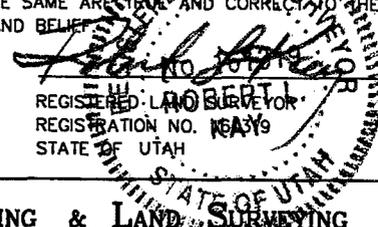
### BASIS OF BEARINGS

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



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 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: 01-20-04	DATE DRAWN: 01-21-04
PARTY G.O. T.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EOG RESOURCES, INC.	

5/26/2004 CD

**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT 862-32**  
**SW/SW, SEC. 32, T9S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

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

<b>FORMATION</b>	<b>DEPTH (KB)</b>
Green River	1,314'
Wasatch	4,269'
Island	6,684'
KMV Price River	6,879'
KMV Price River Middle	7,374'
KMV Price River Lower	8,044'
Bit Trip Segoe	8,459'
Segoe	8,519'

EST. TD: 8645

Anticipated BHP 3700 PSI

**3. PRESSURE CONTROL EQUIPMENT:** 5000 PSIG  
BOP Schematic Diagram attached.

**4. CASING PROGRAM:**

<b><u>HOLE SIZE</u></b>	<b><u>INTERVAL</u></b>	<b><u>LENGTH</u></b>	<b><u>SIZE</u></b>	<b><u>WEIGHT</u></b>	<b><u>GRADE</u></b>	<b><u>THREAD</u></b>	<b><u>RATING FACTOR</u></b>		
							<b><u>COLLAPSE</u></b>	<b><u>BURST</u></b>	<b><u>TENSILE</u></b>
17 1/2"	0' - 250'+/- KB	250' +/-	13 3/8"	48.0 #	H-40	STC	770 PSI	1730 PSI	322,000#
12 1/4"	250' - 2500'+/-KB	2500+/-	9 5/8"	36.0 #	J-55	STC	2020 PSI	3520 PSI	394,000#
7 7/8"	2500' - TD +/-KB	8645' +/-	4 1/2"	11.6 #	N-80	LTC	6350 PSI	7780 PSI	223,000#

The 12 1/4" Intermediate hole will be drilled to a total depth of 200' below the base of the Green River lost circulation zone and 9 5/8" casing will be set to that depth. Actual setting depth of the 9 5/8" casing may be less than 2500' in this well.

All casing will be new or inspected.

**5. Float Equipment:**

**Surface Hole Procedure (0-250' Below GL):**

- Guide Shoe
- Insert Baffle
- Wooden wiper plug
- Centralizers: 1 - 5-10' above shoe, every collar for next 3 joints (4 total).

**Intermediate Hole Procedure (250'-2500'):**

- Guide Shoe
- Insert Float Collar (PDC drillable)
- Cents.: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

## EIGHT POINT PLAN

### CHAPITA WELLS UNIT 862-32 SW/SW, SEC. 32, T9S, R23E, S.L.B.&M. UINTAH COUNTY, UTAH

#### Float Equipment (Continued):

##### - Production Hole Procedure (2500'-TD):

FS, 1 joint of casing, FC, and balance of casing to surface. Run 11.6#, N-80 burst rating or equivalent marker collars or short casing joints at  $\pm 6,879'$  (**Top of Price River**) and  $\pm 3,800'$  (**400' above the Wasatch**) (alter depth if needed to avoid placing across any potentially- productive intervals). Centralize 5' above shoe on joint #1, top of joint #2, then every 2nd joint to  $\pm 6,200'$  (**400' above Island top**) (50 total). Thread lock FS, top and bottom of FC, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

##### Surface Hole Procedure (0-250' below GL):

Air – Air Water Mist

##### Intermediate Hole Procedure (250-2500'):

Water (circulate through reserve pit) with Gel/LCM sweeps.

##### Production Hole Procedure (2500'-TD):

2700' - 4500' Water (circulate through reserve pit) with Gel/LCM sweeps.

4500' - 6900' Close in mud system. "Mud up" with **6.0 ppb** Diammonium Phosphate (DAP). Drill with DAP water, POLYPLUS for viscosity and hole cleaning, adding KLA-GARD B for supplemental inhibition. Also sweep hole periodically w/ Durogel / LCM sweeps to clean the hole and seal loss zones. Add additional LCM as hole dictates. Mud weight and vis as needed, water loss – no control.

6900' - TD Discontinue KLA-GARD B. Utilize POLYPAC-R for fluid loss control. Maintain **5.5 ppb** DAP. **Do not mix caustic or lime.** Maintain 7.5-8.5 pH. Weight up system and add vis as hole conditions require. Run LCM sweep periodically to seal off loss zones or more often as hole dictates. Water loss: 20 cc's maximum. Expect increasing gas shows requiring heavier mud weights from top of Island onward. Treat CO<sub>2</sub> contamination with DESCO CF and OSIL (Oxygen scavenger) if mud properties dictate.

#### 7. VARIANCE REQUESTS:

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

## EIGHT POINT PLAN

### CHAPITA WELLS UNIT 862-32 SW/SW, SEC. 32, T9S, R23E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 8. EVALUATION PROGRAM:

Logs: RST (Reservoir Saturation Tool) Cased logs                      TD to Surface

#### 9. CEMENT PROGRAM:

##### Surface Hole Procedure (0-250' Below GL)

**Lead: 300 sks** (100% excess volume) Class 'G' cement with 2% S001 (CaCl<sub>2</sub>) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.16 ft<sup>3</sup>/sk., 4.95 gps water.

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

##### Intermediate Hole Procedure (250'-2500')

**Lead: 130 sks:** (50% excess volume) Class 'G' lead cement (coverage from 1700-1000') with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail: 440 sks:** (50% excess volume) Class 'G' cement (coverage from 2700-1700') with 10% D53 (Gypsum), 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (Cellophane flakes) mixed at 14.2 ppg, 1.61 ft<sup>3</sup>/sk., 7.9 gps water.

##### Production Hole Procedure (2500' to TD)

**Lead: 450 sks** 35:65 Poz G w/ 4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65 (Dispersant), 0.2% D46 (Antifoam), 0.75% D112 (Fluid Loss Additive), 0.15% D13 (Retarder), 0.25 pps D29 (cello flakes), mixed at 13.0 ppg, 1.73 cu. ft./sk., 9.06 gps water

**Tail: 780 sks:** 50:50 Poz G w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.15% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 cu. ft./sk., 5.9 gps water.

#### 10. ABNORMAL CONDITIONS:

##### INTERMEDIATE HOLE (250-2500')

**Potential Problems:** Lost circulation below 1800' and minor amounts of gas may be present.

##### PRODUCTION HOLE (2500'-TD)

**Potential Problems:** Sloughing shales and key seat development are possible in the Wasatch Formation. CO<sub>2</sub> contamination in the mud is possible in the Price River (Mesa Verde).

**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT 862-32**  
**SW/SW, SEC. 32, T9S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. 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)

**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: EOG Resources, Inc.  
Well Name & Number: Chapita Wells Unit 862-32  
Lease Number: ML-3355  
Location: 959' FSL & 1198' FWL, SW/SW, Sec. 32,  
T9S, R23E, S.L.B.&M.,  
Uintah County, Utah

Surface Ownership: STATE OF UTAH

**NOTIFICATION REQUIREMENTS**

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new Well begins or production resumes after Well has been off production for more than ninety (90) days.

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

## **THIRTEEN POINT SURFACE USE PROGRAM**

### **1. EXISTING ROADS**

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 28.7 miles southeast of Ouray, 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. No off lease Right-of-Way will be required.

### **2. PLANNED ACCESS ROAD**

- A. The access road will be approximately 0.7 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

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

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, 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 crossings nor shall the drainages be blocked by the roadbed. Diverting water off at frequent intervals by means of cutouts shall prevent erosion of drainage ditches by

run off water. 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.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

- A. Temporarily abandoned wells - 1\*
- B. Producing wells - 4\*
- C. Shut in wells - 1\*

(\*See attached TOPO map "C" for location)

4. **LOCATION OF EXISTING AND/OR PROPOSED 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 well head valves, separator, dehy, 210 Bbl condensate tank, meter house and attaching piping.
- 2. Gas gathering lines - A 4" gathering line will be buried from dehy to the edge of the location.

B. **OFF WELL PAD**

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. A 4" OD steel above ground natural gas pipeline will be laid approximately 2439' from proposed location to a point in the SW/SE of Section 32, T9S, R23E, where it will tie into Questar Pipeline Co.'s existing line. Proposed pipeline crosses State of Utah administered lands within the Chapita Wells Unit, thus a Right-of -Way grant will be not be required.
- 3. Proposed pipeline will be a 4" OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

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

The production facilities will be placed on the Southwest side of the location.

5. **LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from the Ouray Municipal Water Plant at Ouray, Utah, and/or Target Trucking Inc.'s water source in the SW/SW, Section 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. **SOURCE OF CONSTRUCTION MATERIAL**

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

7. **METHODS OF HANDLING WASTE DISPOSAL**

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.

- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be 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.

8. **ANCILLARY FACILITIES**

A. No airstrips or camps are planned for this well.

9. **WELLSITE LAYOUT**

A. Refer to attached well site plat for related topography cuts and fills and cross sections.

B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.

C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the Southeast 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 topsoil will be stored East of Corner #6.

Access to the well pad will be from the East.

Corners #6 & #8 will be rounded off to minimize excavation.

**FENCING REQUIREMENTS:**

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

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

## 10. PLANS FOR RESTORATION OF SURFACE

### A. PRODUCING LOCATION

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

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

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

## 11. SURFACE OWNERSHIP

Access road: State of Utah

Location: 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 AO. Within five working days the AO 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 AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO 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 AO 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 AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

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

**PERMITTING AGENT**

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435)789-4120  
Fax: (435)789-1420

**DRILLING OPERATIONS**

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

All lease 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 approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their 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 drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the 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.

3-15-2004  
Date

  
Agent

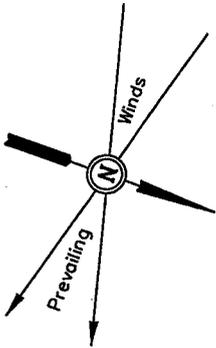
EOG RESOURCES, INC.  
CWU #862-32  
SECTION 32, T9S, R23E, S.L.B.&M.

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 EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 59.7 MILES.

# EOG RESOURCES, INC.

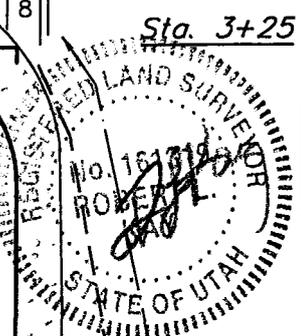
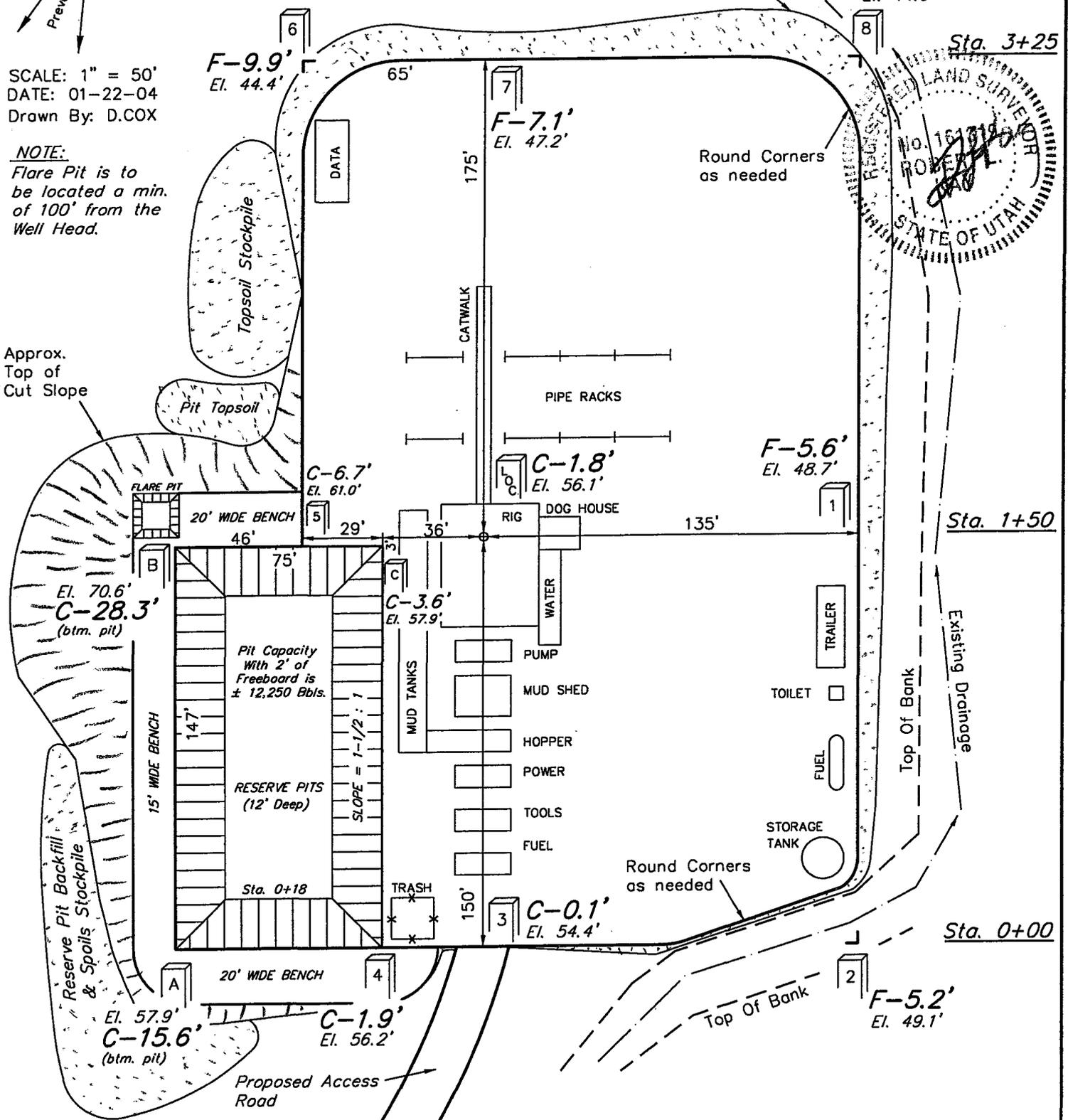
LOCATION LAYOUT FOR  
 CHAPITA WELLS UNIT #862-32  
 SECTION 32, T9S, R23E, S.L.B.&M.  
 959' FSL 1198' FWL



SCALE: 1" = 50'  
 DATE: 01-22-04  
 Drawn By: D.COX

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

Approx. Top of Cut Slope

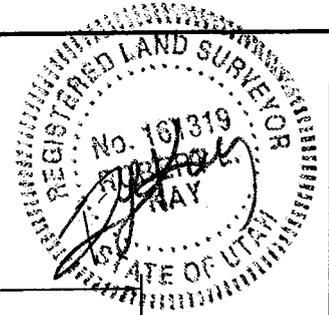


Elev. Ungraded Ground at Location Stake = 5156.1'  
 Elev. Graded Ground at Location Stake = 5154.3'

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

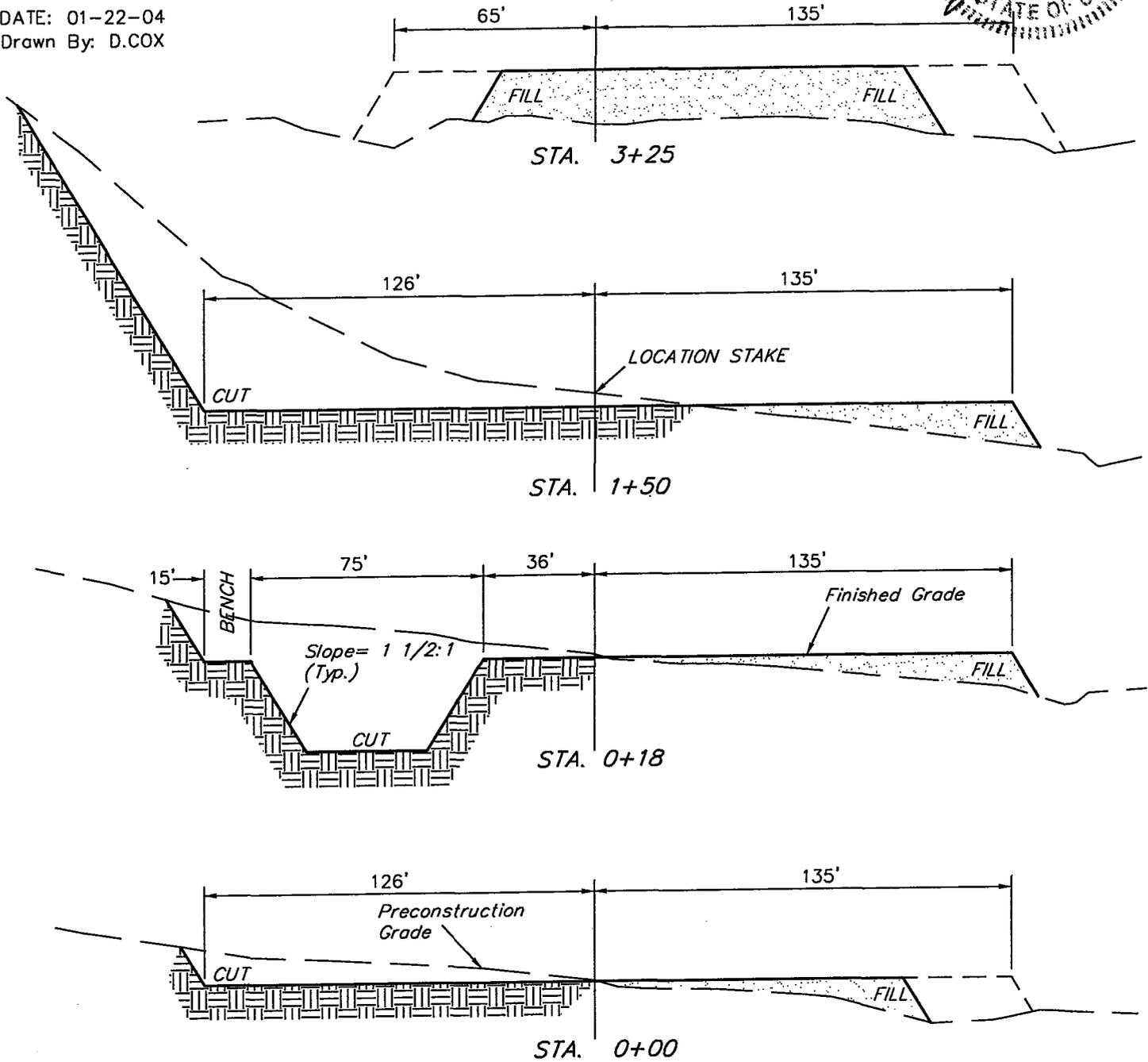
**EOG RESOURCES, INC.**

TYPICAL CROSS SECTIONS FOR  
 CHAPITA WELLS UNIT #862-32  
 SECTION 32, T9S, R23E, S.L.B.&M.  
 959' FSL 1198' FWL



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

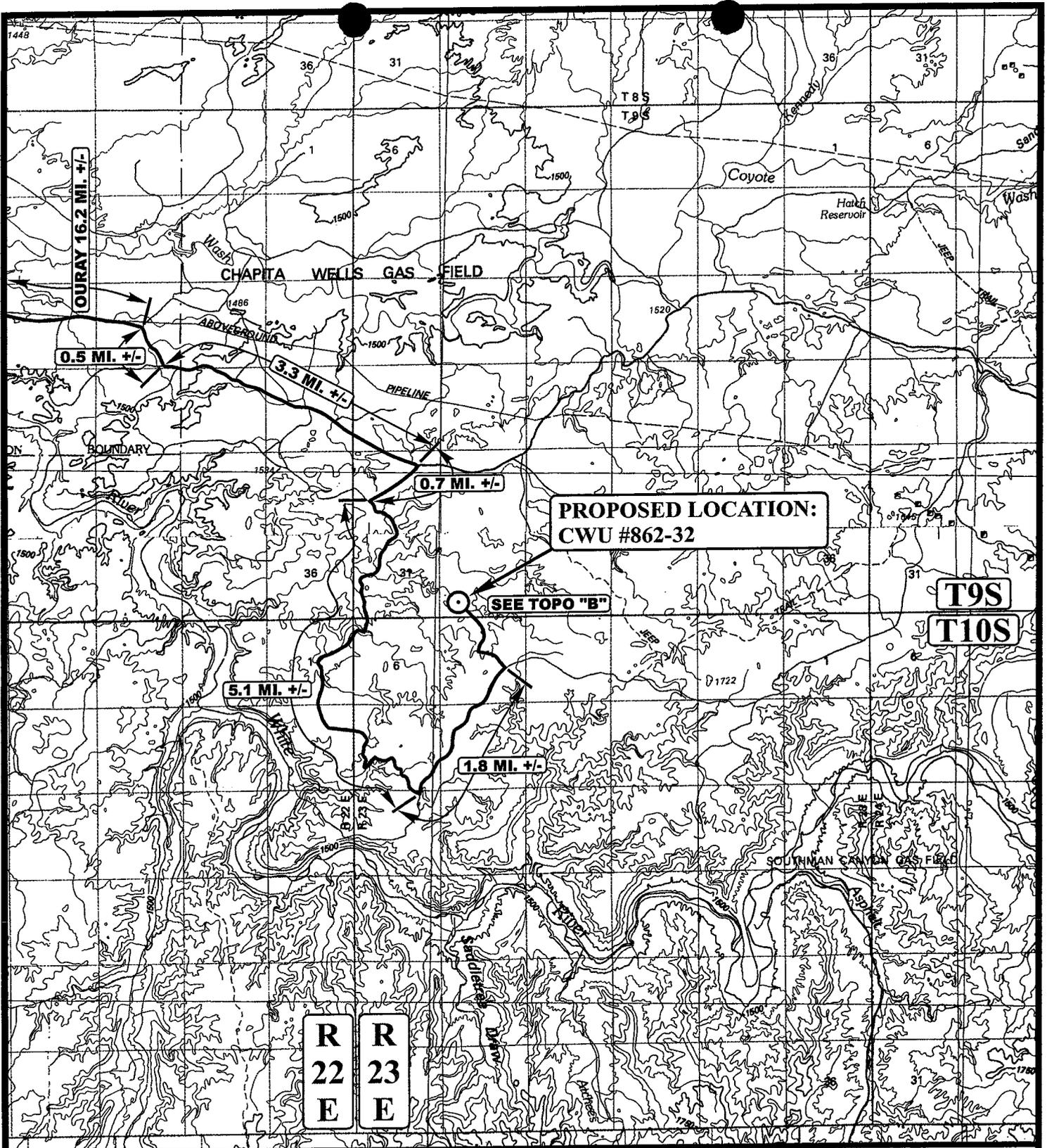
DATE: 01-22-04  
 Drawn By: D.COX



**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	1,430 Cu. Yds.
Remaining Location	=	9,520 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>10,950 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>7,470 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	3,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,090 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.



**PROPOSED LOCATION:  
CWU #862-32**

**SEE TOPO "B"**

**T9S  
T10S**

**R  
22  
E**   **R  
23  
E**

**LEGEND:**

○ PROPOSED LOCATION



**EOG RESOURCES, INC.**

**CWU #862-32  
SECTION 32, T9S, R23E, S.L.B.&M.  
959' FSL 1198' FWL**

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

**TOPOGRAPHIC   01 26 04  
MAP   MONTH DAY YEAR  
SCALE: 1:100,000   DRAWN BY: P.M.   REVISED: 00-00-00**

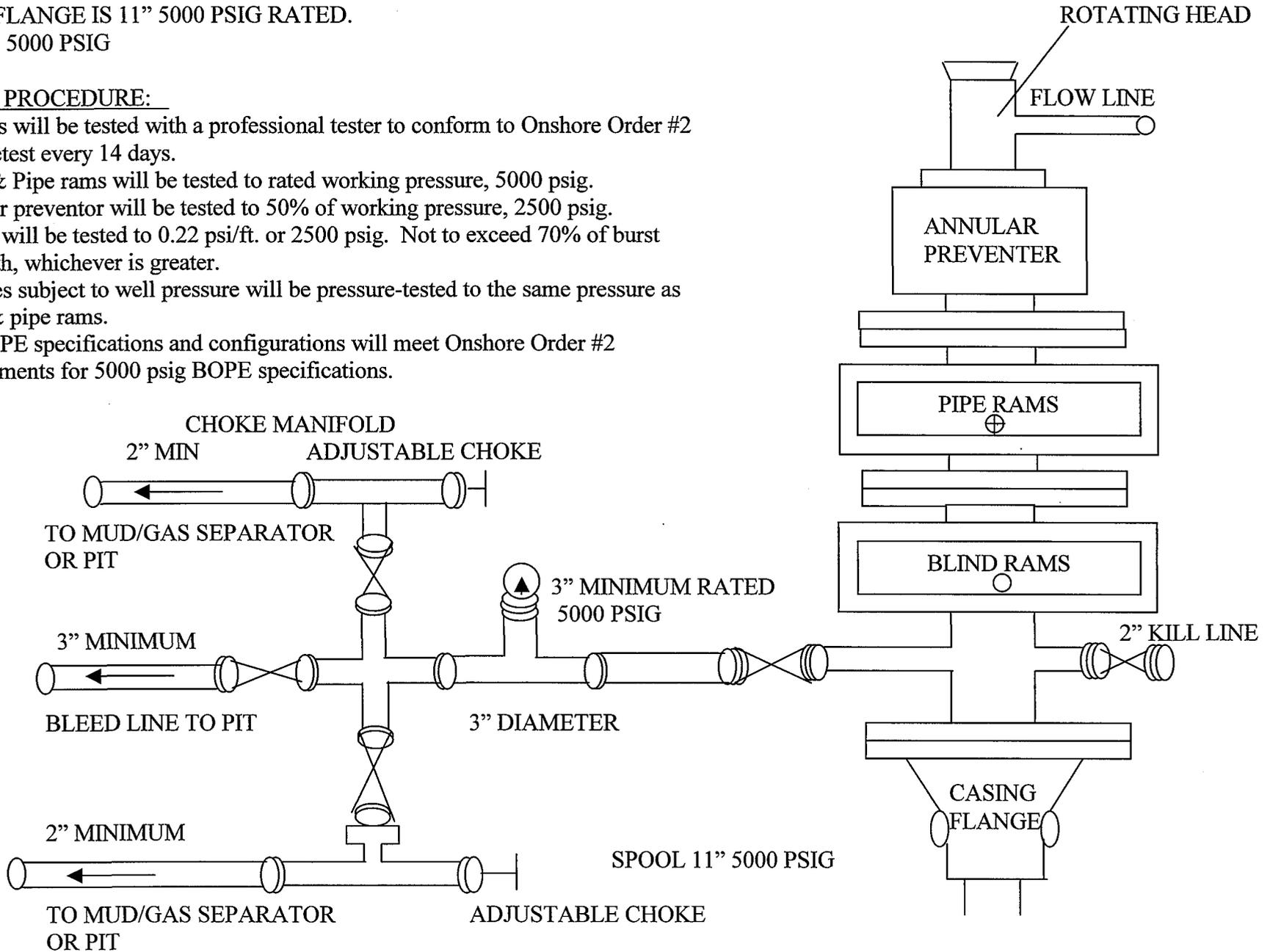


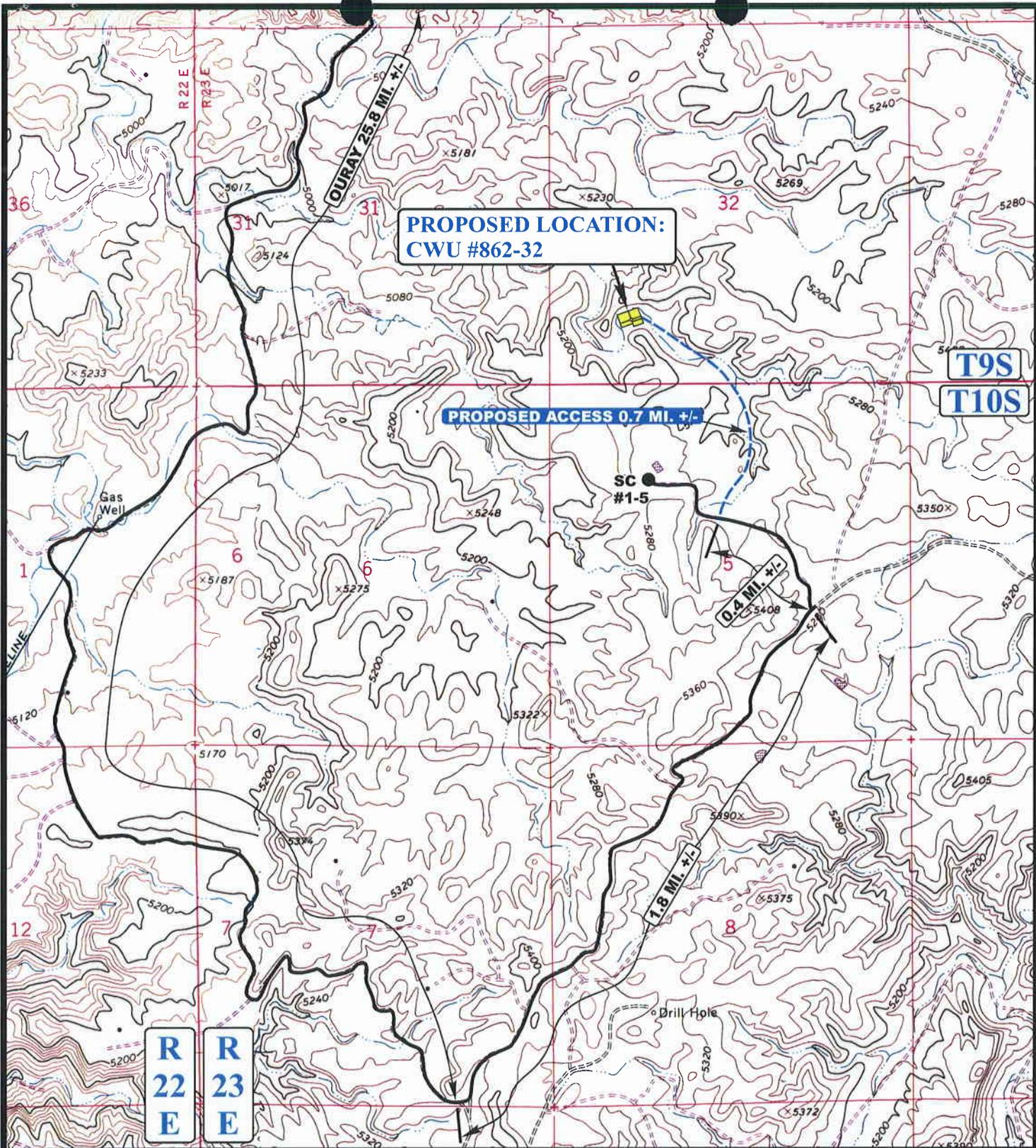
## 5000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 5000 PSIG RATED.  
 CASING FLANGE IS 11" 5000 PSIG RATED.  
 BOPE 11" 5000 PSIG

### TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 5000 psig.
3. Annular preventer will be tested to 50% of working pressure, 2500 psig.
4. Casing will be tested to 0.22 psi/ft. or 2500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 5000 psig BOPE specifications.





**PROPOSED LOCATION:  
CWU #862-32**

**PROPOSED ACCESS 0.7 MI. +/-**

**EXISTING ROAD  
25.8 MI. +/-**

**0.4 MI. +/-**

**7.8 MI. +/-**

**T9S**

**T10S**

**R  
22  
E**

**R  
23  
E**

**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



**EOG RESOURCES, INC.**

**CWU #862-32  
SECTION 32, T9S, R23E, S.L.B.&M.  
959' FSL 1198' FWL**



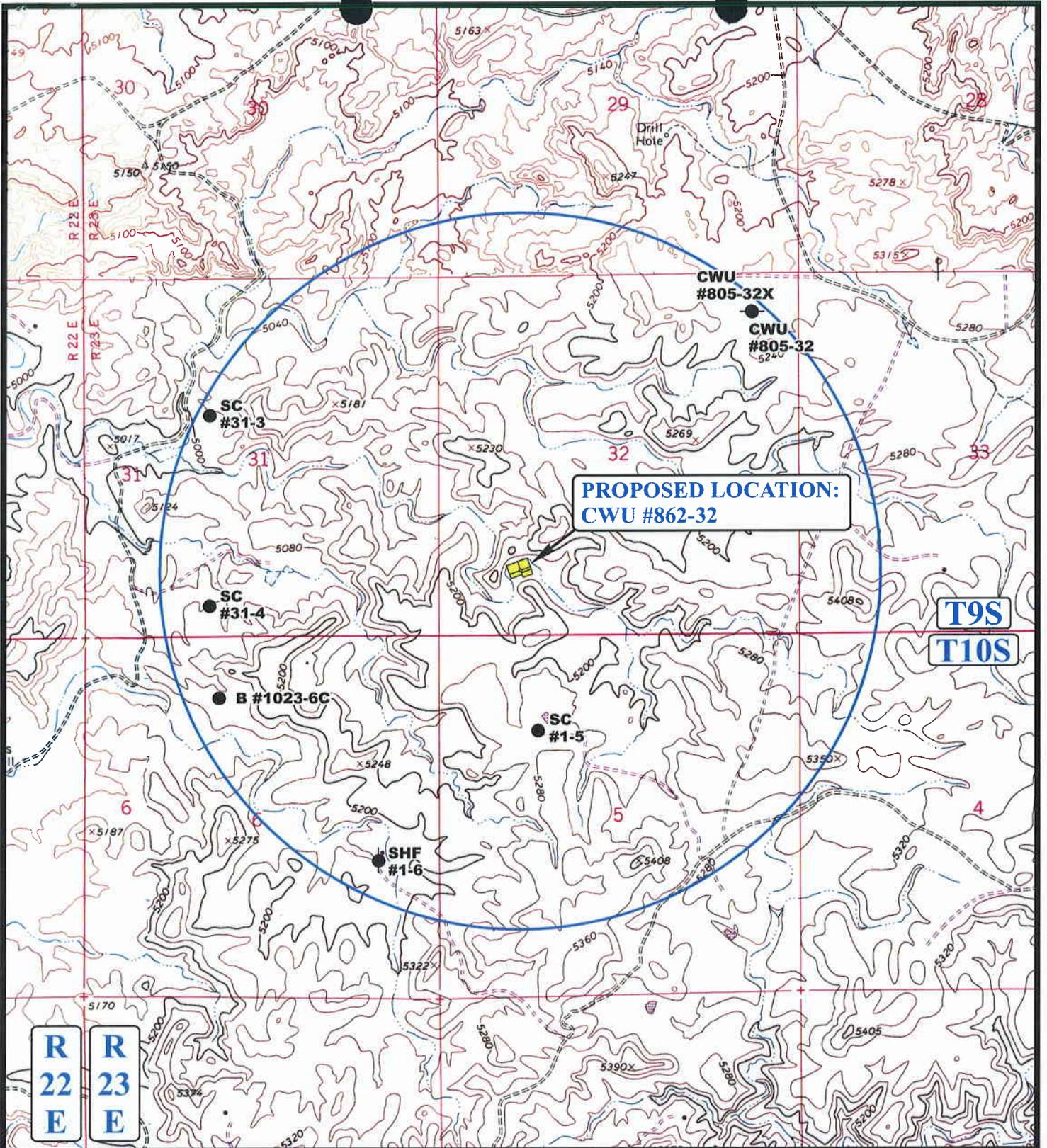
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP**

**01 26 04**  
MONTH DAY YEAR



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



**PROPOSED LOCATION:  
CWU #862-32**

**T9S  
T10S**

**R  
22  
E**    **R  
23  
E**

**LEGEND:**

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

**EOG RESOURCES, INC.**

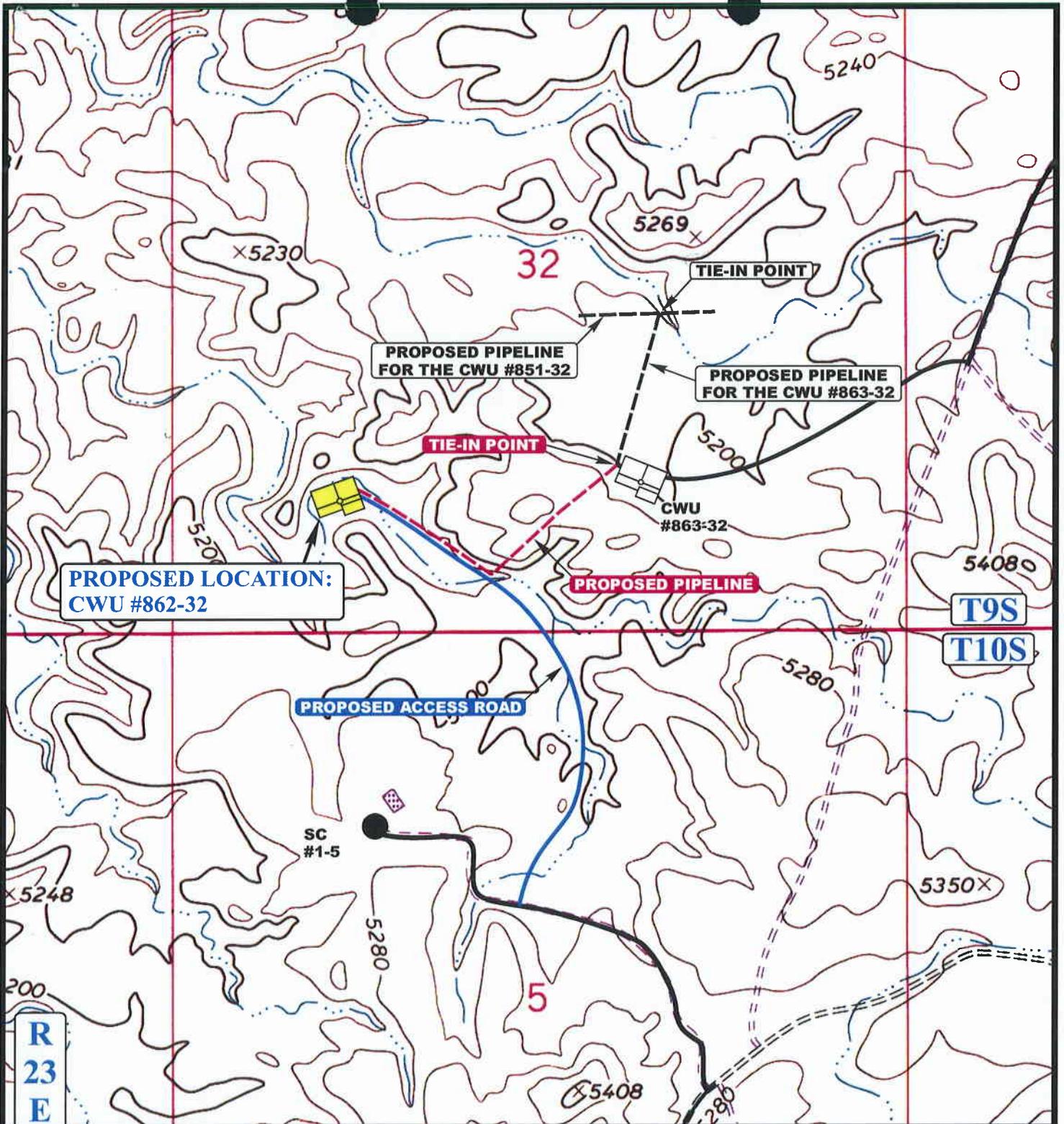
**CWU #862-32  
SECTION 32, T9S, R23E, S.L.B.&M.  
959' FSL 1198' FWL**

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



**TOPOGRAPHIC**    **01 26 04**  
**MAP**                      MONTH    DAY    YEAR

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



**APPROXIMATE TOTAL PIPELINE DISTANCE = 2,439' +/-**

**LEGEND:**

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



**EOG RESOURCES, INC.**

**CWU #862-32**  
**SECTION 32, T9S, R23E, S.L.B.&M.**  
**959' FSL 1198' FWL**

**U&L S** Uintah Engineering & Land Surveying  
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**TOPOGRAPHIC MAP** 01 26 04  
MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 00-00-00 **D**  
TOPO

# EOG RESOURCES, INC.

CWU #862-32

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 32, T9S, R23E, S.L.B.&M.

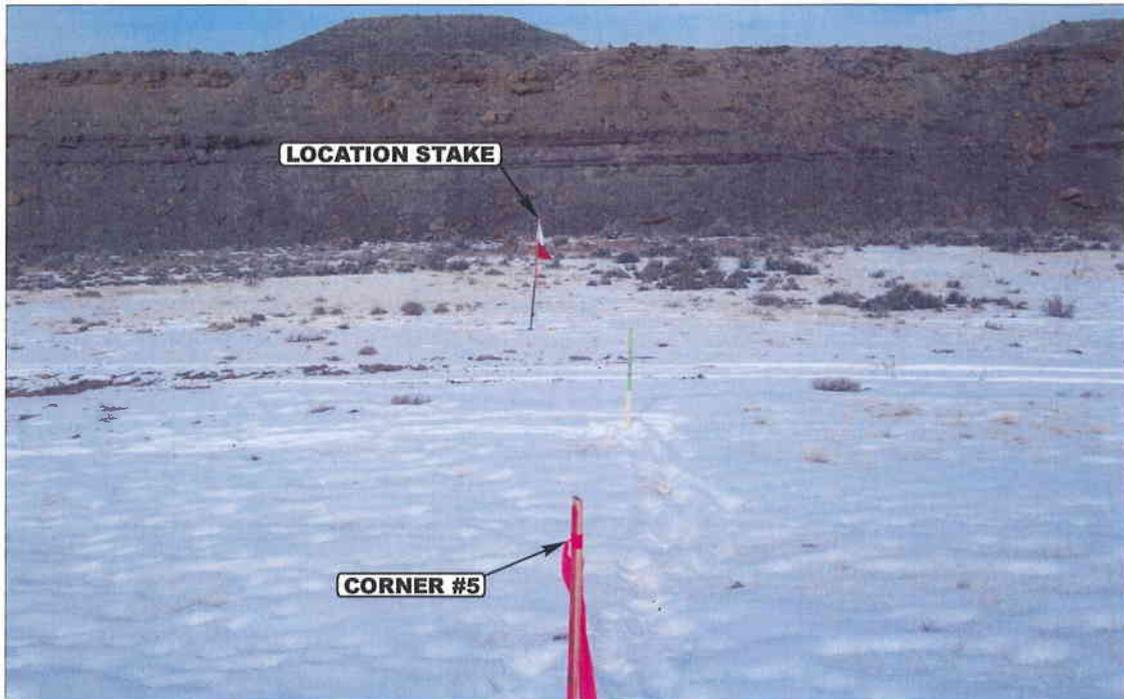


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



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

LOCATION PHOTOS

01 26 04  
MONTH DAY YEAR

PHOTO

TAKEN BY: G.O.

DRAWN BY: P.M.

REVISED: 00-00-00

- Since 1964 -

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

May 19, 2004

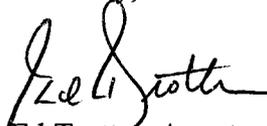
Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: CORRECTION OF ACCESS ROAD ON  
APPLICATION FOR PERMIT TO DRILL  
CHAPITA WELLS UNIT 862-32  
SW/SW, SEC. 32, T9S, R23E, S.L.B.& M.  
UINTAH COUNTY, UTAH  
LEASE NO.: ML-3355  
STATE OF UTAH LANDS

Enclosed please find a copy of the corrected TOPO Maps A, B, and D, as well as a corrected page 2 of the Conditions of Approval For the Surface Use Program of the Application for Permit to Drill for the above-referenced well. The road has been changed to stay within lease boundaries. This has been corrected. Please replace these document for the one submitted with the Application for permit to drill submitted March 15, 2004. We would further ask that on the Application for Permit to Drill cover sheet (State Form 3) that the mileage in section 14 be changed to 24.46 miles. Thank you.

We apologize for any inconvenience this may have caused.

Sincerely,



Ed Trotter, Agent  
EOG Resources, Inc.  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420  
E-mail: edtrotter@easilink.com

RECEIVED  
MAY 21 2004  
DIV. OF OIL, GAS & MINING

## THIRTEEN POINT SURFACE USE PROGRAM

### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 24.46 miles southeast of Ouray, 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. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

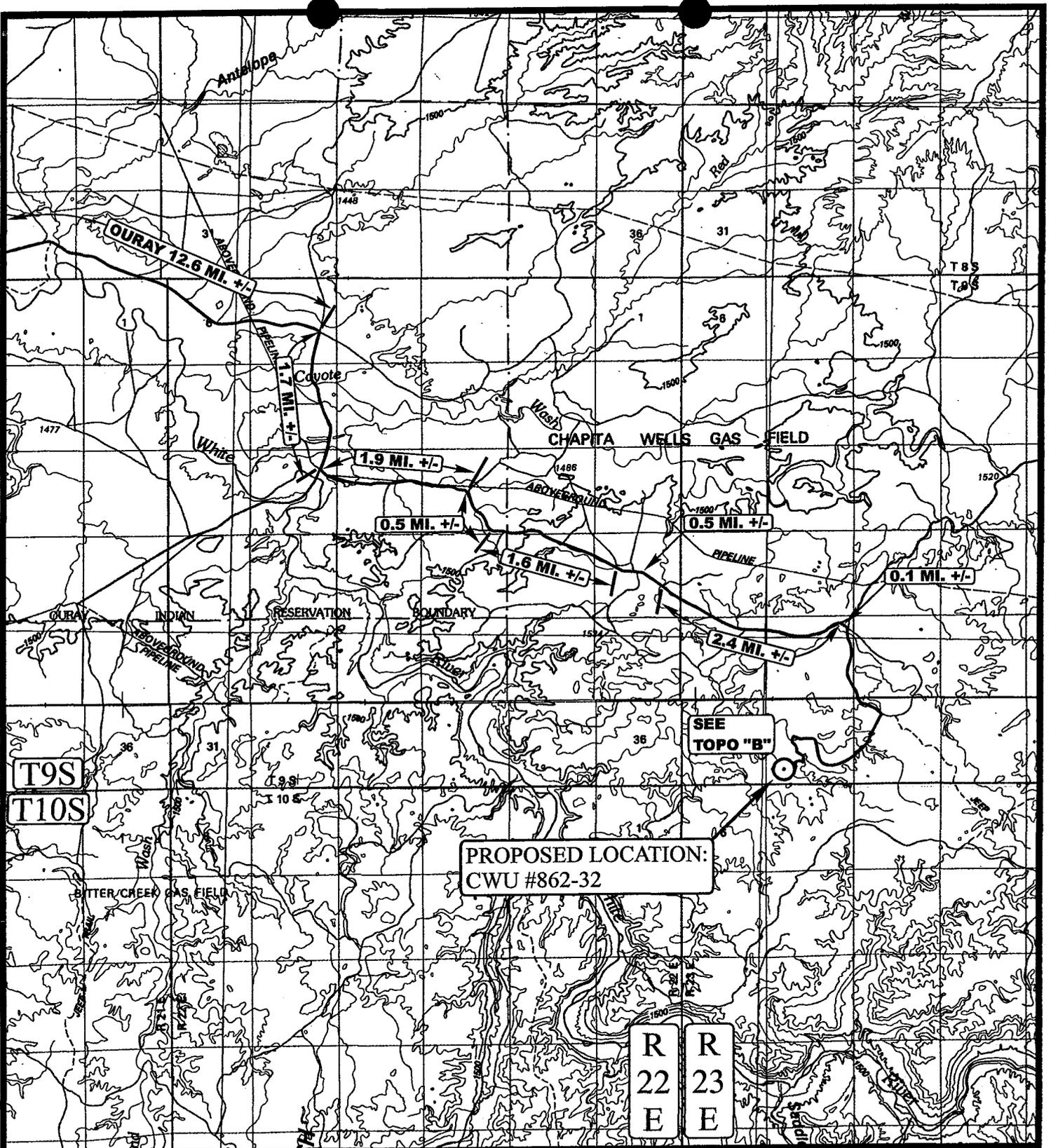
- A. The access road will be approximately 0.5 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

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

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, 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 crossings nor shall the drainages be blocked by the roadbed. Diverting water off at frequent intervals by means of cutouts shall prevent erosion of drainage ditches by



PROPOSED LOCATION:  
CWU #862-32

SEE  
TOPO "B"

R  
22  
E

R  
23  
E

**LEGEND:**

○ PROPOSED LOCATION



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**EOG RESOURCES, INC.**

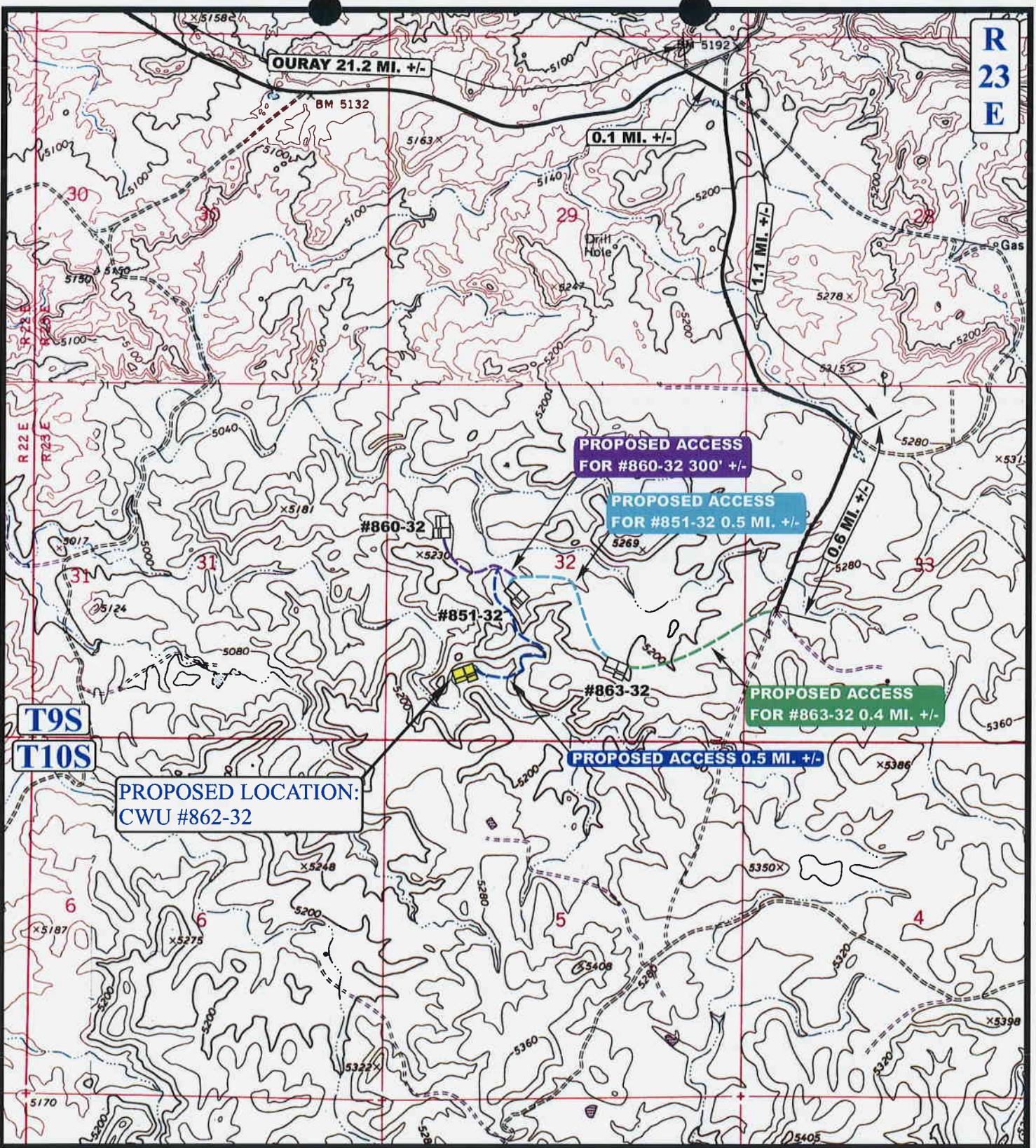
CWU #862-32  
SECTION 32, T9S, R23E, S.L.B.&M.  
959' FSL 1198' FWL

TOPOGRAPHIC  
MAP

1 26 04  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 4-23-04





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



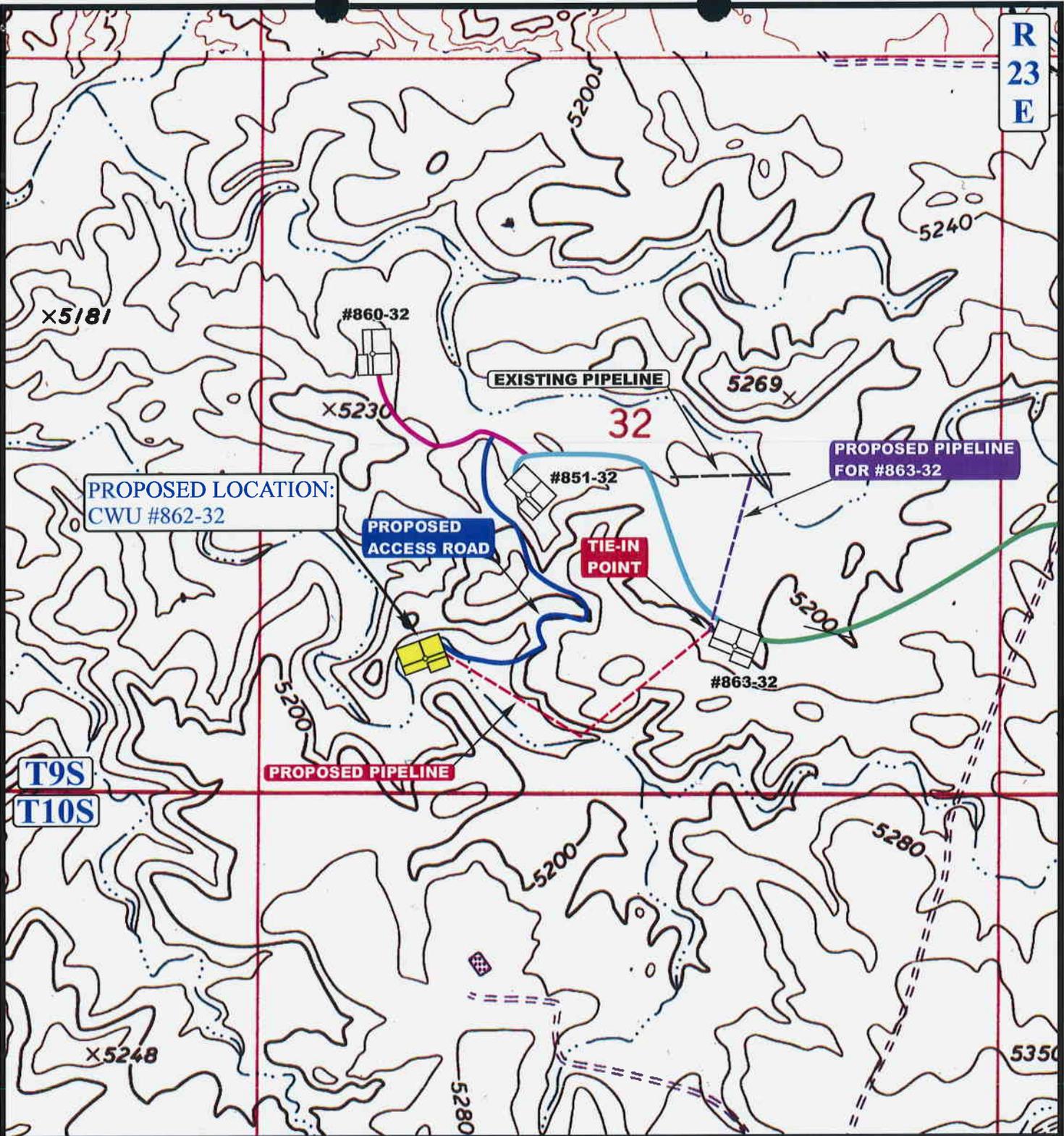
**EOG RESOURCES, INC.**

**CWU #862-32**  
**SECTION 32, T9S, R23E, S.L.B.&M.**  
**959' FSL 1198' FWL**

**U E I S**  
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**TOPOGRAPHIC** **01 26 04**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: P.M. REV: 4-23-04 J.L.G. **B**  
 TOPO

R  
23  
E



**APPROXIMATE TOTAL PIPELINE DISTANCE = 2,439' +/-**

**LEGEND:**

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



**EOG RESOURCES, INC.**

**CWU #862-32**  
**SECTION 32, T9S, R23E, S.L.B.&M.**  
**959' FSL 1198' FWL**



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**TOPOGRAPHIC**  
**MAP**

**01 26 04**  
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: P.M.

REV: 4-23-04 J.L.G.



**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT 862-32**  
**SW/SW, SEC. 32, T9S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

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

<b>FORMATION</b>	<b>DEPTH (KB)</b>
Green River	1,314'
Wasatch	4,269'
Island	6,684
KMV Price River	6,879'
KMV Price River Middle	7,374'
KMV Price River Lower	8,044'
Bit Trip Segó	8,459
Segó	8,519

*Replaced 5/26/2004  
cfp*

EST. TD: 8645

Anticipated BHP 3700 PSI

**3. PRESSURE CONTROL EQUIPMENT:** 5000 PSIG  
BOP Schematic Diagram attached.

**4. CASING PROGRAM:**

<b><u>HOLE SIZE</u></b>	<b><u>INTERVAL</u></b>	<b><u>LENGTH</u></b>	<b><u>SIZE</u></b>	<b><u>WEIGHT</u></b>	<b><u>GRADE</u></b>	<b><u>THREAD</u></b>	<b><u>RATING FACTOR</u></b>		
							<b><u>COLLAPSE</u></b>	<b><u>BURST</u></b>	<b><u>TENSILE</u></b>
17 1/2"	0' - 250' +/- KB	250' +/-	13 3/8"	48.0 #	H-40	STC	770 PSI	1730 PSI	322,000#
12 1/4"	250' - 2500' +/- KB	2500 +/-	9 5/8"	36.0 #	J-55	STC	2020 PSI	3520 PSI	394,000#
7 7/8"	2500' - TD +/- KB	8645' +/-	4 1/2"	11.6 #	N-80	LTC	6350 PSI	7780 PSI	223,000#

The 12 1/4" Intermediate hole will be drilled to a total depth of 200' below the base of the Green River lost circulation zone and 9 5/8" casing will be set to that depth. Actual setting depth of the 9 5/8" casing may be less than 2500' in this well.

All casing will be new or inspected.

**5. Float Equipment:**

**Surface Hole Procedure (0-250' Below GL):**

- Guide Shoe
- Insert Baffle
- Wooden wiper plug
- Centralizers: 1 - 5-10' above shoe, every collar for next 3 joints (4 total).

**Intermediate Hole Procedure (250'-2500'):**

- Guide Shoe
- Insert Float Collar (PDC drillable)
- Cents.: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

## EIGHT POINT PLAN

### CHAPITA WELLS UNIT 862-32 SW/SW, SEC. 32, T9S, R23E, S.L.B.&M. UINTAH COUNTY, UTAH

#### Float Equipment (Continued):

##### - Production Hole Procedure (2500'-TD):

FS, 1 joint of casing, FC, and balance of casing to surface. Run 11.6#, N-80 burst rating or equivalent marker collars or short casing joints at  $\pm 6,879'$  (**Top of Price River**) and  $\pm 3,800'$  (**400' above the Wasatch**) (alter depth if needed to avoid placing across any potentially- productive intervals). Centralize 5' above shoe on joint #1, top of joint #2, then every 2nd joint to  $\pm 6,200'$  (**400' above Island top**) (50 total). Thread lock FS, top and bottom of FC, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

##### Surface Hole Procedure (0-250' below GL):

Air – Air Water Mist

##### Intermediate Hole Procedure (250-2500'):

Water (circulate through reserve pit) with Gel/LCM sweeps.

##### Production Hole Procedure (2500'-TD):

2700' - 4500' Water (circulate through reserve pit) with Gel/LCM sweeps.

4500' - 6900' Close in mud system. "Mud up" with **6.0 ppb** Diammonium Phosphate (DAP). Drill with DAP water, POLYPLUS for viscosity and hole cleaning, adding KLA-GARD B for supplemental inhibition. Also sweep hole periodically w/ Durogel / LCM sweeps to clean the hole and seal loss zones. Add additional LCM as hole dictates. Mud weight and vis as needed, water loss – no control.

6900' - TD Discontinue KLA-GARD B. Utilize POLYPAC-R for fluid loss control. Maintain **5.5 ppb** DAP. **Do not mix caustic or lime.** Maintain 7.5-8.5 pH. Weight up system and add vis as hole conditions require. Run LCM sweep periodically to seal off loss zones or more often as hole dictates. Water loss: 20 cc's maximum. Expect increasing gas shows requiring heavier mud weights from top of Island onward. Treat CO<sub>2</sub> contamination with DESCO CF and OSIL (Oxygen scavenger) if mud properties dictate.

#### 7. VARIANCE REQUESTS:

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT 862-32**  
**SW/SW, SEC. 32, T9S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**8. EVALUATION PROGRAM:**

Logs: RST (Reservoir Saturation Tool) Cased logs TD to Surface

**9. CEMENT PROGRAM:**

**Surface Hole Procedure (0-250' Below GL)**

**Lead: 300 sks** (100% excess volume) Class 'G' cement with 2% S001 (CaCl<sub>2</sub>) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.16 ft<sup>3</sup>/sk., 4.95 gps water.

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

**Intermediate Hole Procedure (250'-2500')**

**Lead: 85 sks:** (50% excess volume) Class 'G' lead cement (coverage from 1700-1000') with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail: 290 sks:** (50% excess volume) Class 'G' cement (coverage from 2700-1700') with 10% D53 (Gypsum), 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (Cellophane flakes) mixed at 14.2 ppg, 1.61 ft<sup>3</sup>/sk., 7.9 gps water.

**Production Hole Procedure (2500' to TD)**

**Lead: 110 sks** 35:65 Poz G w/ 4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65 (Dispersant), 0.2% D46 (Antifoam), 0.75% D112 (Fluid Loss Additive), 0.15% D13 (Retarder), 0.25 pps D29 (cello flakes), mixed at 13.0 ppg, 1.73 cu. ft./sk., 9.06 gps water

**Tail: 190 sks:** 50:50 Poz G w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.15% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 cu. ft./sk., 5.9 gps water.

**10. ABNORMAL CONDITIONS:**

**INTERMEDIATE HOLE (250-2500')**

**Potential Problems:** Lost circulation below 1800' and minor amounts of gas may be present.

**PRODUCTION HOLE (2500'-TD)**

**Potential Problems:** Sloughing shales and key seat development are possible in the Wasatch Formation. CO<sub>2</sub> contamination in the mud is possible in the Price River (Mesa Verde).

**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT 862-32**  
**SW/SW, SEC. 32, T9S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. 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)

Well name:	<b>04-04 EOG CWU 862-32</b>		
Operator:	<b>EOG Resources</b>	Project ID:	43-047-35579
String type:	Surface		
Location:	Uintah County		

**Design parameters:**

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

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 68 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 250 ft

**Burst:**  
Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 220 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 250 psi

**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.

No backup mud specified.

Tension is based on buoyed weight.  
Neutral point: 219 ft

**Re subsequent strings:**  
Next setting depth: 2,500 ft  
Next mud weight: 8.800 ppg  
Next setting BHP: 1,143 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 250 ft  
Injection pressure 250 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	250	13.375	48.00	H-40	ST&C	250	250	12.59	23.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	109	740	6.783	250	1730	6.92	11	322	30.59 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 810-359-3940

Date: May 26, 2004  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 250 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>04-04 EOG CWU 862-32</b>	
Operator:	<b>EOG Resources</b>	Project ID:
String type:	Intermediate	43-047-35579
Location:	Uintah County	

**Design parameters:**

**Collapse**  
Mud weight: 8.800 ppg  
Design is based on evacuated pipe.

**Burst**  
Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP: 2,500 psi  
  
No backup mud specified.

**Minimum design factors:**

**Collapse:**  
Design factor: 1.125

**Burst:**  
Design factor: 1.00

**Tension:**  
8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)  
  
Tension is based on buoyed weight.  
Neutral point: 2,174 ft

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 100 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 250 ft

Cement top: 1 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 8,645 ft  
Next mud weight: 9.500 ppg  
Next setting BHP: 4,266 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure: 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	178

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	1143	2020	1.767	2500	3520	1.41	78	394	5.03 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 810-359-3940

Date: May 26, 2004  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kernler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>04-04 EOG CWU 862-32</b>		
Operator:	<b>EOG Resources</b>	Project ID:	43-047-35579
String type:	Production		
Location:	Uintah County		

**Design parameters:**

**Collapse**

Mud weight: 9.500 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: 186 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft  
 Cement top: 2,699 ft

**Burst**

Max anticipated surface pressure: 355 psi  
 Internal gradient: 0.452 psi/ft  
 Calculated BHP 4,266 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)

Non-directional string.

Tension is based on buoyed weight.  
 Neutral point: 7,417 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	8645	4.5	11.60	N-80	LT&C	8645	8645	3.875	200.4
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	4266	6350	1.488	4266	7780	1.82	86	223	2.59 J

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining

Phone: 801-538-5280  
 FAX: 810-359-3940

Date: May 26, 2004  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 8645 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/17/2004

API NO. ASSIGNED: 43-047-35579

WELL NAME: CWU 862-32  
OPERATOR: EOG RESOURCES INC ( N9550 )  
CONTACT: ED TROTTER

PHONE NUMBER: 435-789-4120

PROPOSED LOCATION:

SWSW 32 090S 230E  
SURFACE: 0959 FSL 1198 FWL  
BOTTOM: 0959 FSL 1198 FWL  
UINTAH  
NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	6/4/04
Geology		
Surface		

LEASE TYPE: 3 - State  
LEASE NUMBER: ML-3355  
SURFACE OWNER: 3 - State  
PROPOSED FORMATION: PRRV  
COALBED METHANE WELL? NO

LATITUDE: 39.98791  
LONGITUDE: 109.35535

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. JP-0921 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-1501 )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

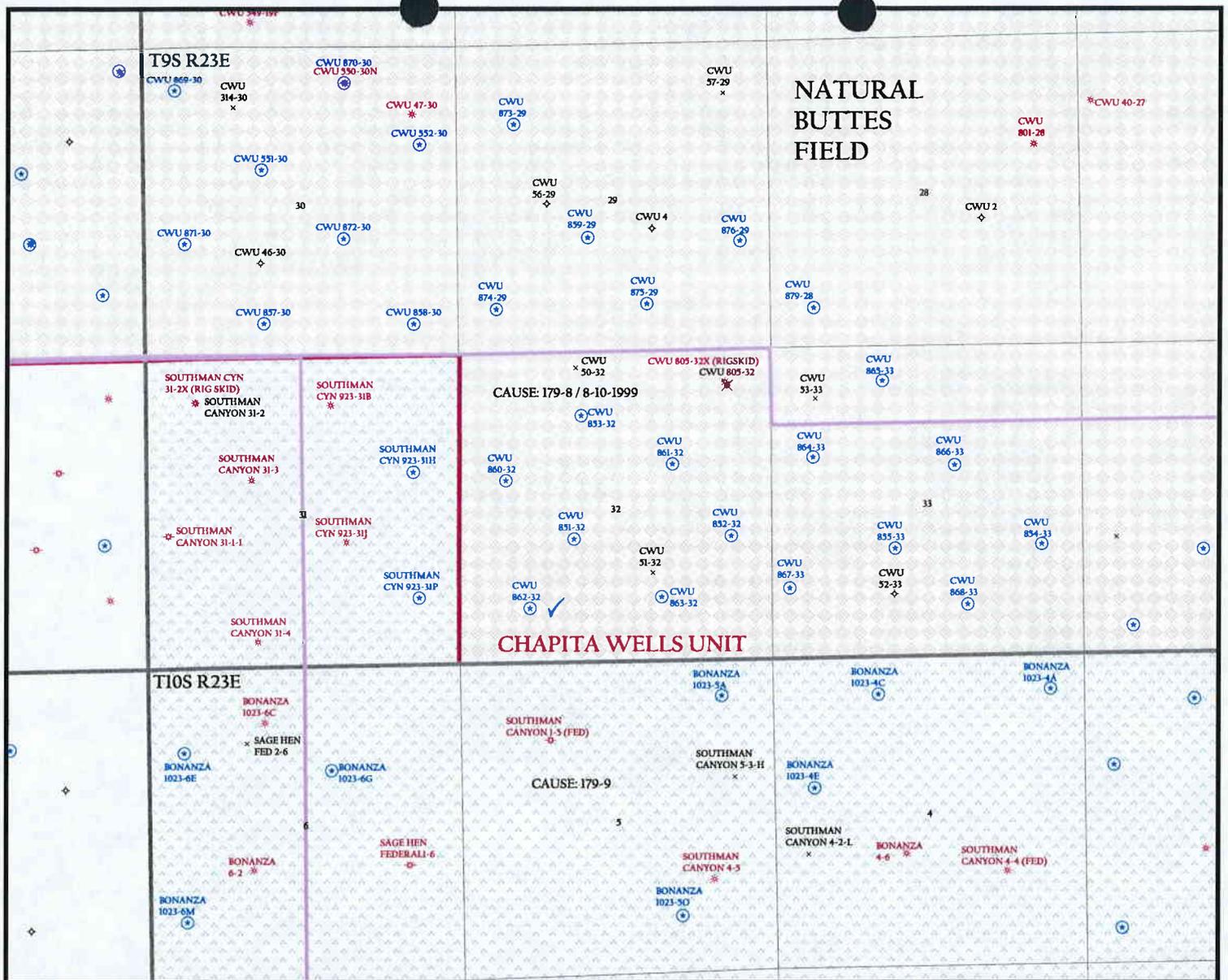
- \_\_\_ R649-2-3.
- Unit CHAPITA WELLS
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- Drilling Unit  
Board Cause No: 179-8  
Eff Date: 8-10-1999  
Siting: Suspend General Siting
- \_\_\_ R649-3-11. Directional Drill

COMMENTS:

Needs Pressure (04-01-04)

STIPULATIONS:

① STATEMENT OF BASIS



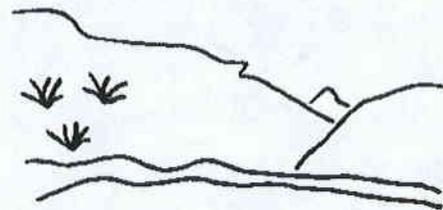
OPERATOR: EOG RESOURCES INC (N9550)

SEC. 32 T.9S, R.23E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: 179-8 / 8-10-1999



Utah Oil Gas and Mining

Well 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

Unit Status

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

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 18-MARCH-2004

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

**OPERATOR:** EOG RESOURCES, INC.  
**WELL NAME & NUMBER:** CHAPITA WELLS UNIT 862-32  
**API NUMBER:** 43-047-35579  
**LOCATION:** 1/4,1/4 SW/SW Sec: 32 TWP: 9S RNG:23E 1198' FWL 959' FSL

**Geology/Ground Water:**

EOG proposes to set 250 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 2,700 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 32. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales which are not expected to be prolific aquifers. The proposed casing and cementing program should adequately protect any near surface aquifers.

**Reviewer:** Brad Hill **Date:** 04-08-04

**Surface:**

The predrill investigation of the surface was performed on 4/01/04. 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 3/25/04. 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. Mr. Trotter stated that he planned on re-surveying the access road, and bring it to this site from the CWU 863-32. I told him that he would have to report this change on a sundry notice, and get permission from SITLA. He said he would do this.

**Reviewer:** David W. Hackford **Date:** 4/01/04

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

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

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

**OPERATOR:** EOG RESOURCES INC.  
**WELL NAME & NUMBER:** CHAPITA WELLS UNIT 862-32  
**API NUMBER:** 43-047-35579  
**LEASE:** ML-3355 **FIELD/UNIT:** NATURAL BUTTES  
**LOCATION:** 1/4, 1/4 SW/SW Sec: 32 TWP: 9S RNG: 23E 1198' FWL 959' FSL  
**LEGAL WELL SITING:** General siting suspended.  
**GPS COORD (UTM):** 640434E 4427506N **SURFACE OWNER:** STATE OF UTAH.

**PARTICIPANTS**

DAVID W. HACKFORD (DOG M), ED TROTTER (EOG), FLOYD BARTLETT (DWR).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS IN THE BOTTOM OF A WINDING DRAW WITH LOW, ROCKY RIDGES 400' TO THE NORTH AND SOUTH. THE BOTTOM OF THIS DRAW IS A DRY WATERCOURSE WHICH IS ADJACENT TO THIS SITE TO THE NORTH, EAST AND SOUTH. THERE ARE NUMEROUS SANDSTONE OUTCROPPINGS WITHIN 200' TO THE NORTH, SOUTH AND WEST. OURAY, UTAH IS 28.7 MILES TO THE NORTHWEST. DRAINAGE IS TO THE WEST.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 246'. PROPOSED ACCESS IS 0.7 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: NEW PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. A GAS PIPELINE WILL RUN TO THE EAST TO THE CWU 863-32.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGEBRUSH, SHADSCALE, PRICKLEY PEAR, GREASEWOOD, INDIAN RICEGRASS: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.  
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION  
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

**RESERVE PIT**

CHARACTERISTICS: 147' BY 75' AND 12' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE  
REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN: AS PER S.I.T.L.A.**

SURFACE AGREEMENT: AS PER STATE OF UTAH

CULTURAL RESOURCES/ARCHAEOLOGY: SITE HAS BEEN INSPECTED BY JIM TRUESDALE.

**OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A WARM, SUNNY DAY WITH NO  
SNOW COVER.

**ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

4/1/04 10:30 AM  
DATE/TIME

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

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

**Final Score**      20      (Level I Sensitivity)

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





Casing Schematic

Surface

13-3/8"  
MW 8.4  
Frac 19.3

9-5/8"  
MW 8.8  
Frac 19.3

4-1/2"  
MW 9.5

TOC @ 0.  
TOC @ 0.  
Surface  
250. MD

1039 TOC Tail

1314 Green River

Intermediate  
2500. MD

TOC @ 2699.

2700 BMSW

4269 Wasatch

5304 TOC Tail

6879 Price River

8579 Segs

Production  
8645. MD

w/ 18% Washcoat

w/ 10% Washcoat

w/ 10% Washcoat

$(.052)(9.5)(8645) = 4270$   
Anticipate 3700

$(.12)(8645) = 1037$

MMSD = 3233 ✓

BOPE - 5,000 ✓

Surf Csg - 1730  
70% = 1211 psi  
Test to 1200 psi ✓

Int Csg - 3520  
70% = 2464 psi  
Test to 2400 psi ✓

Adequate  
2WD 6/4/04

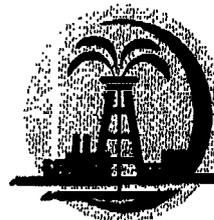
**OEP UINTA BASIN, INC.**

**11002 EAST 17500 SOUTH**

**VERNAL, UT 84078**

**(435)781-4331 (phone)**

**(435)781-4323 (fax)**



**Fax To:** Diana Whitney

**Fax Number:** 801.359.3940

**From:** Jan Nelson

**No. of Pages:** 26

(including cover sheet) \_\_\_\_\_

**NOTES:**

Here are the Arch and Paleo reports for the WH 13G-2-7-24.

**Thank You  
Jan Nelson**

Faxed 5-3-04

**RECEIVED**

**MAY 03 2004**

DIV. OF OIL, GAS & MINING

**CULTURAL RESOURCE INVENTORY OF QUESTAR'S  
ONE WELL LOCATION WH# 13G-2-7-24 (SULA ML-46525),  
SEC 2, T 7S, R 24E, UINTAH COUNTY, UTAH**

**Keith Montgomery  
and  
Amanda Wilson**

**RECEIVED**  
**MAY 03 2004**  
DIV. OF OIL, GAS & MINING

**CULTURAL RESOURCE INVENTORY OF QUESTAR'S  
ONE WELL LOCATION WH# 13G-2-7-24 (SULA ML-46525),  
SEC 2,10, AND 11, T 7S, R 24E, UINTAH COUNTY, UTAH**

**By:**

**Keith Montgomery  
and  
Amanda Wilson**

**Prepared For:**

**Bureau of Land Management  
Vernal Field Office  
and  
State of Utah  
Trust Lands Administration  
Salt Lake City**

**Prepared Under Contract With:**

**Questar E & P  
11002 East 17500 North  
Vernal, Utah 84078**

**Prepared By:**

**Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532**

**April 21, 2004**

**MOAC Report No. 04-90**

**United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122**

**State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0377s**

### ABSTRACT

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in April 2004 for one proposed Questar well location, WH #13G-2-7-24 and its associated access/pipeline corridors. The project area is located northeast of the Walker Hollow Oil and Gas Field, north of Deadman Bench, and about 28 miles south of Vernal in Uintah County, Utah. The survey was implemented at the request of Ms. Raleen Searle, Questar E&P Inc., Vernal, Utah. The project is situated on public land administered by the Bureau of Land Management (BLM), Vernal Field Office and on State of Utah School Trust Lands Administration land.

The inventory of Questar's one well location WH #13G-2-7-24 with associated access/pipeline corridors resulted in no cultural resources. Based on the findings, a determination of "no historic properties affected" is recommended for the project pursuant to Section 106, CFR 800.

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**SURVEY METHODOLOGY** ..... 3  
**MANAGEMENT RECOMMENDATIONS** ..... 3  
**REFERENCES CITED** ..... 4

**LIST OF FIGURES**

1. Questar's Well Location WH #13G-2-7-24 with Associated Access/Pipeline Corridors.

## INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in April 2004 for one proposed Questar well location, WH #13G-2-7-24 and its associated access/pipeline corridors. The project area is located northeast of the Walker Hollow Oil and Gas Field, north of Deadman Bench, and about 28 miles south of Vernal in Uintah County, Utah. The survey was implemented at the request of Ms. Jan Nelson, Questar E&P Inc., Vernal, Utah. The project is situated on public land administered by the Bureau of Land Management (BLM), Vernal Field Office and on State of Utah School Trust Lands Administration land.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and the Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on April 20, 2004 by project archaeologist Keith Montgomery under the auspices of U.S.D.I. (FLPMA) Permit No. 04-UT-60122, State of Utah Antiquities Permit (Survey) No. U-04-MQ-0377s issued to MOAC, Moab, Utah.

A file search for previous cultural resource inventories and archaeological sites was conducted by Keith Montgomery at the BLM Vernal Field Office on April 19, 2004. Montgomery Archaeological consultants (MOAC) completed a survey for three Questar well locations near the project area in September of 2003. This survey resulted in no cultural resources (Bond 2003).

## DESCRIPTION OF THE PROJECT AREA

Questar's proposed well location with associated access/pipeline corridor is situated in Township 7 South, Range 24 East, Sections 2, 10, and 11 (Figure 1). Proposed WH# 13G-2-7 well location is situated northeast of the Walker Hollow Oil and Gas Field and north of Deadman Bench. Powder Springs Wash is to the East. The proposed well location occurs in the SW/SW of Section 2, Township 7 South, Range 24 East. The proposed pipeline extends approximately 3000 feet to the southwest.

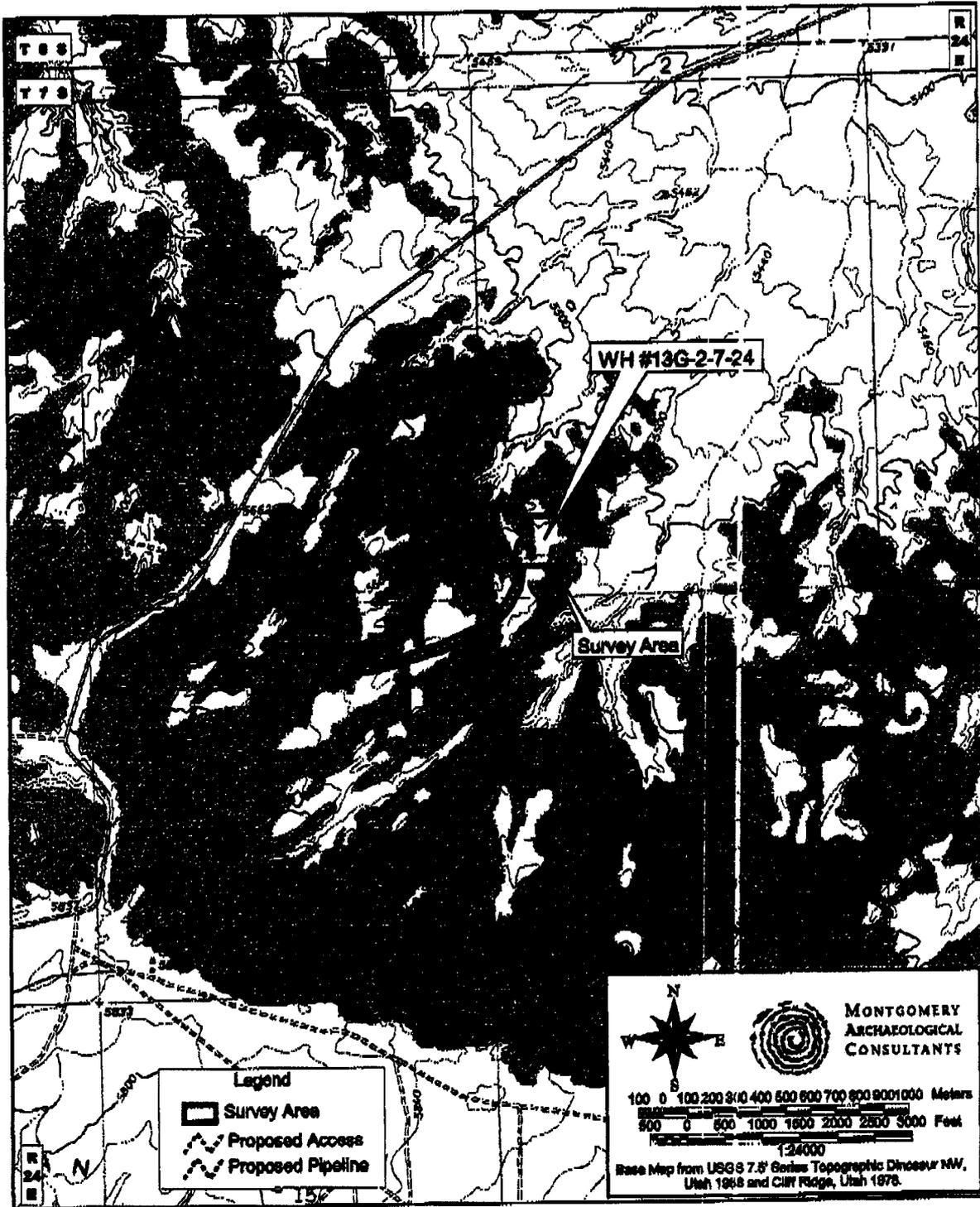


Figure 1. Questar's Well Location WH #13G-2-7-24 with Associated Access/Pipeline Corridors.

## ENVIRONMENTAL SETTING

The project area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The entire Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. In general the project area falls within the Central Badlands District as defined by Clark (1957), an area of broad erosional benches, with extensive badlands rims along the drainages which continues to dissect the benches. Specifically, the inventory area is situated on a broad flat mesa known as Deadman Bench that is dissected by several major intermittent tributary systems of the Green and White Rivers. In particular, the project area is characterized by narrow benches dissected north-south by intermittent drainages. The benches are a result of erosional processes and are covered by sandy-silt sediments. The oldest formation present is the early Tertiary Uinta formation that is characterized by low, eroded hills of variegated red and gray claystone, mudstone and shale. In the project area this formation erodes to badland topography and consists of irregular lensing of channel sandstone bodies and thin-bedded floodplain deposits. The Uinta formation is known for its fossil vertebrate turtles, crocodilians, fish, and mammals. In addition old piedmont-slope deposit most likely of Pleistocene age mantle the upland ridge tops and benches. The major water course in the study area is the Green River located about 10 miles to the north. Elevation ranges between 5400 and 5800 ft a.s.l. Vegetation in the project area includes juniper, sagebrush, snakeweed, prickly pear cactus, and bunch grasses. Modern disturbances include livestock grazing, modern trash, roads, and oil/gas development.

## SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At the proposed well location, a 10 acre square parcel was defined, centered on the well pad center stake. The interior of the well location parcel was examined for cultural resources by the archaeologist walking parallel transects spaced no more than 10 meters (30 ft) apart. Access roads and pipeline corridors were surveyed to a width of 30 m (100 ft). Ground visibility was considered good. A total of 17.2 acres were inventoried for cultural resources of which 5.6 occurs on BLM (Vernal Field Office) administered land and 11.6 acres is situated on SITLA land.

## RESULTS AND RECOMMENDATIONS

The inventory of Questar's one well location WH #13G-2-7-24 with associated access/pipeline corridors resulted in no cultural resources. Based on the findings, a determination of "no historic properties affected" is recommended for the project pursuant to Section 106, CFR 800.

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MOAC #04-60

# Paleontological Resource Inventory Report

## Questar Energy Production Wells

RW 43-23A-7-22

RW 34-27A-7-22

RW 32-27A-7-22

RW 14-34A-7-22

WRU EIH 14-35-8-22

CWD 4MU-32-8-24

RWU 22-09F-8-24

RWU 43-08F-8-24

WK 9MU-2-9-24

RWS 10MU-6-9-24

RWS 3MU-9-9-24

RWS 8MU-14-9-24

BSW|1MU-12-9-24

~~07-158-27-24~~

& their proposed access routes  
On BLM Lands  
Uintah County, Utah

21 March 2004

Prepared by Rod Scheetz, Ph.D.  
Paleontologist for  
Montgomery Archaeological Consultants  
Box 147, 322 East 100 South  
Moab, Utah 84532

## INTRODUCTION

At the request of Jan Nelson, of Questar Energy, authorized by John Mayers of the BLM Vernal Field Office, a paleontological inventory survey of 14 proposed Questar well locations and their proposed access routes was conducted by Rod Scheetz and crew on 16 & 17 March 2004. The survey was conducted under Utah DOPL Geologist License 5399790-2250 and Utah BLM Paleontological Resources Use Permit #UT-S-01-004. This survey to locate, identify and evaluate paleontological resources was done to meet requirements of The National Environmental Policy Act of 1969, and other Federal laws and regulations that protect paleontological resources.

## FEDERAL AND STATE REQUIREMENTS

As mandated by the US Department of the Interior Bureau of Land Management, paleontologically sensitive geologic formations in BLM lands that is considered for exchange or may be impacted due to ground disturbance, need be evaluated for their paleontological resources. This requirement complies with:

- 1) The National Environmental Policy Act of 1969 (NEPA)(P.L. 91-190; 31 Stat. 852, 42 U.S.C. 44321-4327);
- 2) The Federal Land Policy and Management Act of 1976 (P.L. 94-579; 90 Stat. 2743, U.S.C. 1701-1782);

Under policy dictated by the BLM Manual and Handbook H-8270-1 (July, 1998) formations are ranked according to their paleontological potential:

- *Condition 1* is applied to those areas known to contain fossil localities, and special consideration of the known resources is in need of evaluation.
- *Condition 2* is applied to areas that have exposures of geologic rock units known to have produced fossils elsewhere.
- *Condition 3* are areas unlikely to produce fossils based on surficial geology.

Although these guidelines apply mostly to vertebrate fossils, they are equally designed to help protect rare plant and invertebrate fossils. It should be noted, many fossils, though common and unimpressive in and of themselves, can be important paleo-environmental, depositional, and chronostratigraphic indicators.

## PREVIOUS WORK

The Uinta Basin is one of many early Tertiary intermontane basins of Utah, Wyoming, and Colorado. Collectively, these basins contain the most complete Eocene faunal record than anywhere else in the world. Due to geographic and temporal differences, each basin contains faunal characters unique enough to define formalized land mammalian "ages". The Uinta Formation of the Uinta Basin contains mammals in an evolutionary stage (called the Uintan Land Mammal Age) more advanced than the Wasatchian and Bridgerian mammals of the Piceance Creek Basin in Colorado and the Bridger Basin in Wyoming. These ages were defined in the late 1800's by W.B. Scott and H.F. Osborn, but there was an obvious gap in the fossil record from the middle Eocene Uintan fauna to the much more derived animals of the Chadronian land mammal age of early Oligocene in South Dakota and Nebraska. It wasn't until the 1930's that O.A.

Peterson and J.L. Kay of the Carnegie Museum began to find fossil mammals in the Duchesne River Formation of the Uinta Basin that the gap was beginning to fill with what appeared to be transitional taxa which come to be known as the Duchesnean land mammal age (Wood et al, 1941). Subsequent workers have since refined the definition of the Duchesnean land mammal age to fossils found in the upper three of the four members of the Duchesne River Formation (Gazin, 1955). The fossils found in the lowest and most productive member of the Duchesne River Formation, the Brennan Basin Member, appear to be more closely at the evolutionary stage of the Uintan age mammals. Although fossils from the Duchesne River Formation are sparse, their value as transitional species has placed much focus to their study (Rasmussen et al, 1999).

The Duchesne River Formation consists primarily of reddish mudstones and sandstones with paleocurrent directions roughly south-southwest. Four lithologic members are recognized within the formation, three bearing mammal fossils (Anderson & Picard, 1972). The lowest of these members, the Brennan Basin Member, ranges in thickness from about 220 to 600 meters and is characterized by pale reddish and yellowish sandstones with some conglomerates and mudstones. Mammals are more common in this member than in any other member and contains several localities from the early years with the Carnegie Museum and more recently from the Utah Field House in Vernal and Washington University in St. Louis (Rasmussen et al, 1999)

#### **FIELD METHODS**

Considerable effort was made to locate, identify and evaluate any and all significant fossils or fossil horizons exposed within a ten acre area around the proposed drill hole. Areas of prime attention were areas slated to be disturbed by construction, erosional surfaces, and fresh outcrops. These areas were surveyed for exposed vertebrate, invertebrate, and plant fossils. Anthills were investigated to identify possible microvertebrate horizons that would not otherwise be evident on weathered surfaces. Contacts along sandstone units were investigated for vertebrate and invertebrate trace fossils. Only a cursory survey was performed on soil horizons, because fossil fragments, although they may be common, are out of place and weathered, providing little information. When present, broad erosional surfaces were systematically walked over in a grid-like manner in efforts to locate fossil fragments and their source. However, despite all reasonable efforts to identify fossils and fossil-bearing units, undiscovered fossils may occur in the area, but were not recognized because their exposure was very localized and not within the step of the surveyor.

#### **GEOLOGICAL AND PALEONTOLOGICAL OVERVIEW**

The geomorphology of all the areas surveyed is controlled by predominantly overbank mudstones and paleosol horizons forming badlands of steep hills and ridges within occasional thin sandstone beds. Southward thinning tongues of somewhat tangerine-colored mudstones and gray bioturbated sandstone lenses represent the lower, or Brennan Basin, member of the Duchesne River Formation. Intertongues of gray, purple, and reddish gray mudstones are characteristic with the rest of the Myton Member (unit C) of the Uinta Formation. And like the Myton Member, in areas that are well drained, nearly all the outcrop in this part of the section is devoid

of vegetation. The beds are dipping northeast 1-2 degrees.

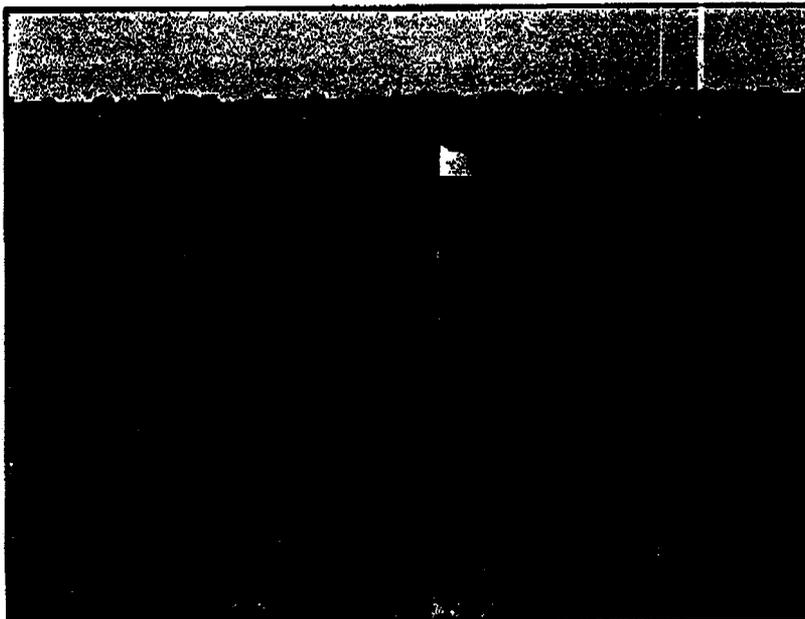
Fossil bone fragments are not uncommon in portions of the parcels, consisting mostly of fossil turtle/tortoise shell. Most bone occurs as small quarter-sized fragments, with edges worn and rounded. These fragments are especially abundant in the nearly flat outwash drainages. Their worn condition and scattered distribution suggest they occur as lag, either washed in from higher ground, or deflated from an overlying unit. Inter-tongued stratigraphic intervals of the Duchesne River and Uinta Formations, similar to those encompassed by these Sections, have shown to bear rich fossil resources, however few surveys have been done in the Sections of this survey.

#### LOCATION OF QUESTAR WELLS in T 7 S, R 22 E

A ten-acre parcel surrounding RW 43-23A, RW 34-27A (Fig 1), RW 32-27A, and RW 14-34A (Fig. 2) well-sites, and their proposed access roads, was surveyed for paleontological resources. The wells are located in T 7 S, R 22 E, SLB&M, within the Red Wash NW, 7.5' USGS topographic quadrangle, Uintah County, Utah (Fig. 3).

WELL	GEOLOGY	PALEONTOLOGY
RW 43-23A	Pad on gentle north slope of small north-directed ridge, covered in eolian sands/alluvium. Access from south across weathered outcrop of Duchesne River Formation mudstones and eolian sands and soils.	No fossils found
RW 34-27A	Pad on bench of erosional surface of Duchesne River sandstone and mudstones. Outcrop to the north of the pad is variegated orange/red mudstones topped by pinching and swelling white sandstone bed (Fig. 1). South of pad drops off into drainage with similar alternating beds. Access comes from the north, mostly covered in soils and alluvium except near the pad with outcrop.	No fossils found
RW 32-27A	Pad out on an essentially flat pediment surface on bench.	No fossils found
RW 14-34A	Pad situated on small bench of Duchesne River Formation sandstone. Bench slopes slightly southeast and is cut by drainages. Steeper slopes occur in the northwest part of the parcel consisting of mostly orange/red Duchesne River and purple/gray Uinta C mudstones. Scattered, isolated mammal and turtle fragments occur in the Myton tongue, but no source could be found, and the condition of the fragments do not allow for identification.	Unidentified isolated fossil mammal and turtle shell fragments found, but are scattered and do not bear identifiable characteristics.

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**Figure 1.** Photo looking north across proposed pad for RW 34-27A-7-22 showing the pad is atop an erosional surface of Duchesne River Formation and is flanked to the north by more mudstones and sandstone lenses.



**Figure 2.** Photo looking north-northeast across the pad for proposed pad for RW 14-34A-7-22. Although most of the pad is in Duchesne River Formation, the north and west edges are comprised of purple-gray fossiliferous mudstones of a tongue of the Uinta C member of the Uinta Formation.

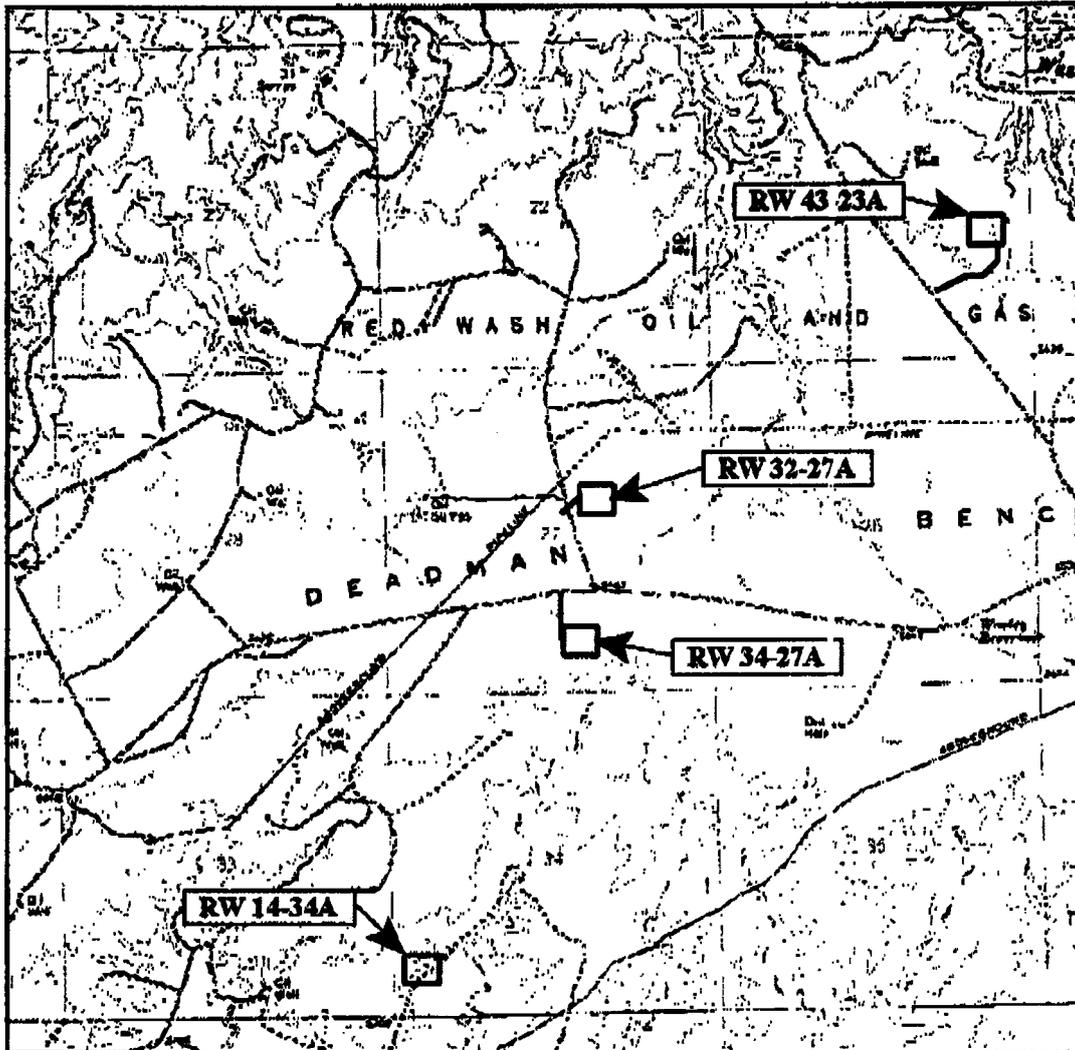


Figure 3. Location of proposed well sites and their access routes within T7S, R22E, in the Red Wash NW Quad. Scale: 1 inch = 0.56 miles.

**LOCATION OF QUESTAR WELLS in T 8 S, R 22 E**

A ten-acre parcel surrounding WRU EIH 14-35-8-22 well-site, and its proposed access road, was surveyed for paleontological resources. The well is located in the SE/SW Section 35, T 8 S, R 22 E, SLB&M, within the Red Wash SW, 7.5' USGS topographic quadrangle, Uintah County, Utah (Fig. 4).

WELL	GEOLOGY	PALEONTOLOGY
WRU EIH 14-35-8-22	Pad completely in eolian sands and poor soils.	No survey needed

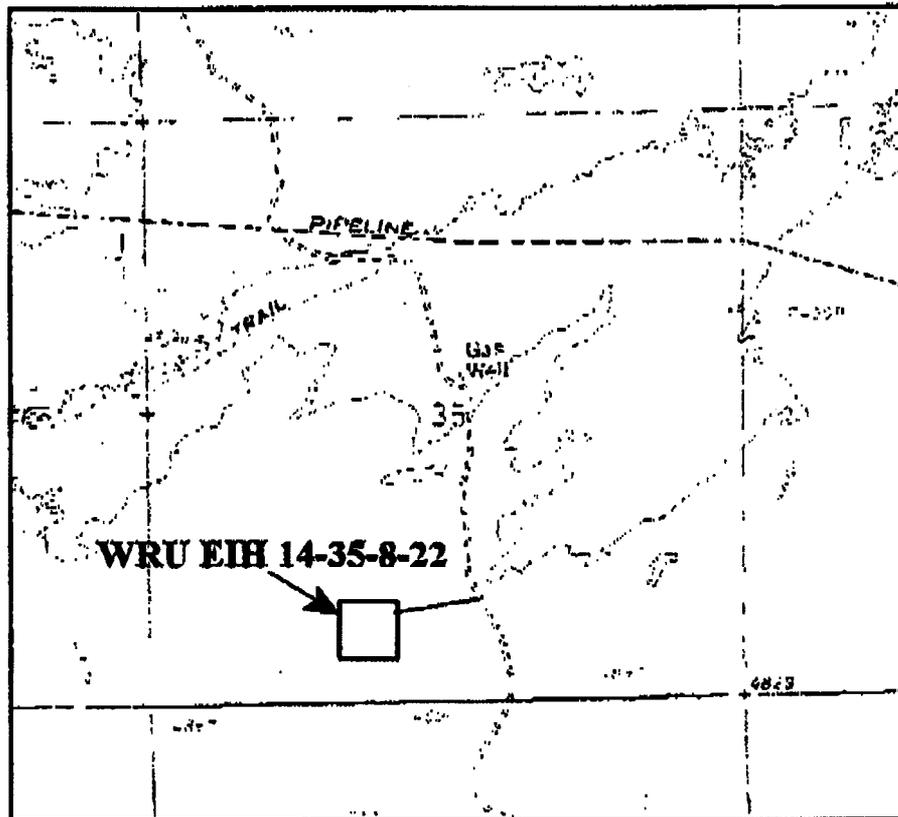


Figure 4. Location of proposed WRU EIH well in Section 35, T8S, R22E, in the Red Wash SW, USGS Quad. Scale: 1 inch = 0.30 miles.

**LOCATION OF QUESTAR WELLS in T 8 S, R 24 E**

A ten-acre parcel surrounding each of the proposed well locations (Fig. 5) for CWD 4MU-32, RWU 22-09F, and RWU 43-08F, and their proposed access roads, was surveyed for paleontological resources. The wells are located in T 8 S, R 24 E, SLB&M, within the Bonanza and Dinosaur NW, 7.5' USGS topographic quadrangles, Uintah County, Utah.

WELL	GEOLOGY	PALEONTOLOGY
CWD 4MU-32-8-24	Pad in area of low gently rolling hills covered in eolian sand, silt, and soils. Access comes off Gilsonite mine road and crosses mostly eolian sand and soils and by-passing some Myton outcrops of purple-gray and gray mudstone and conglomeratic sandstones.	No survey needed on pad and parcel. Outcrops surveyed along the right-of-way of access. No fossils found.
RWU 22-09F-8-24	Pad situated on small bench below the southward extension of ridge top (Fig. 6). Bench dissected by southeast drainages. Steep slopes above and to the north of pad consist of variegated red, orange, and reddish gray mudstone layers with few light gray sandstone lenses toward the top. Pad is somewhat hummocky with low hills and shallow drainages exposing some light gray bioturbated ribbon sand. A smaller bench occurs lower and to the south of the pad. All outcrop consists of Duchesne River Formation.	Fossil wood locality occurs near the southwest corner of the well pad about half-way up a small hill on a northeast slope in an orange-red mudstone layer (Fig. 7). Fragments collected from a 2 m apron. Limb-bone fragments of a bovine-sized mammal were found in an orange-red mudstone about 50 m southeast of the well-lath. Fragments were broken prior to burial and hematite covered.
RWU 43-08F-8-24	Access initially over flat bench of soils and alluvium, then along Duchesne River outcrop on the high side of ridge down to well-pad. Well pad situated at head of westerly drainage on a gentle northwest slope of soils and weathered outcrop of Duchesne River orange and tan mudstones with occasional light gray ribbon sand.	Occasional turtle shell fragment isolated and worn found along access and on pad. No source or worthwhile material was found.

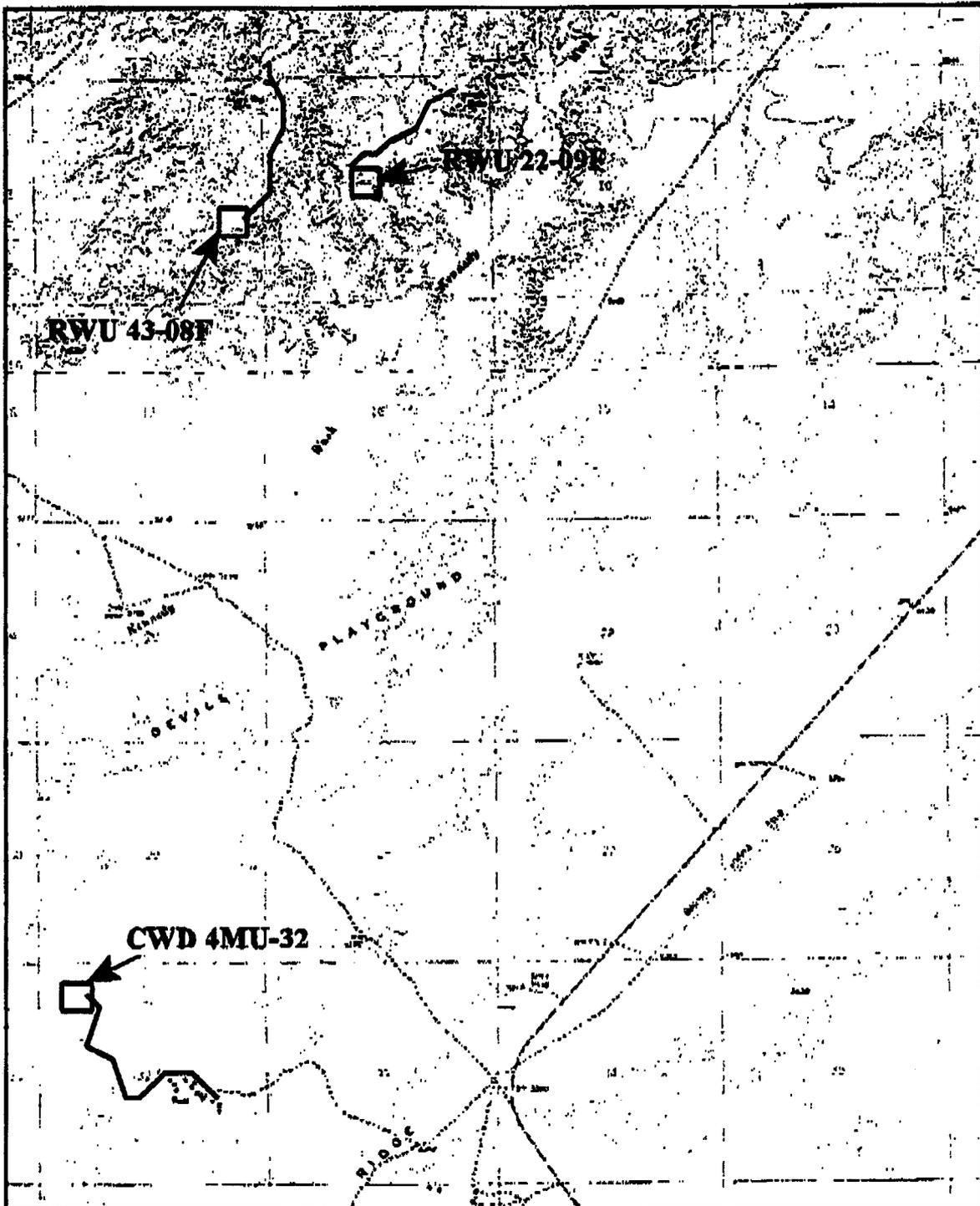


Figure 5. Location of the access routes to, and the 10-acre parcels surrounding Questar's proposed wells in T8S, R24E, in the Bonanza and Dinosaur NW Quadrangle maps. Scale: 1 inch = 0.67 miles.

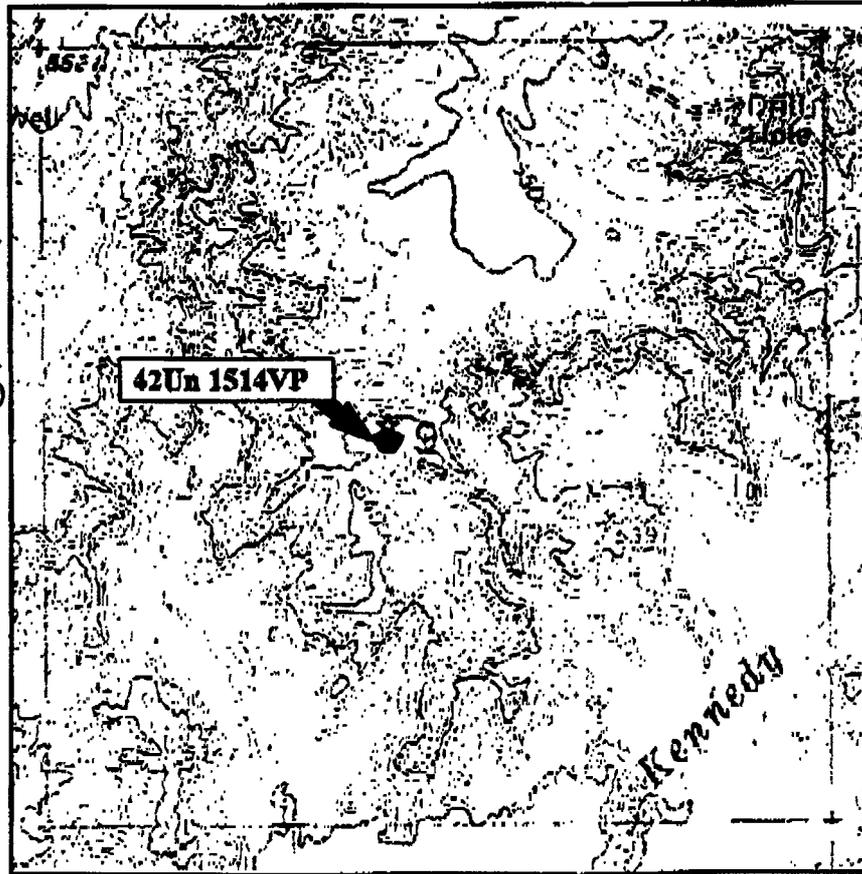
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**Figure 6.** Photo looking northeast across RWU 22-09F toward the outcrop of Duchesne River Formation exposed on the hill north of the pad.



**Figure 7.** Photo looking southwest toward fossil wood locality (arrow) from the well lath of RWU 22-09F-8-24. Fossil wood (inset photo, nickel for scale) is relatively rare in the Duchesne River Formation and is worthy of note and was collected.

**Figure 8.** Location of the fossil locality (42Un 1514VP) relative to the well lath for RWU 22-09F (star)  
Scale: 1 inch = 0.231 miles.



**Fossil locality 42Un1514VP** consists of an area encompassing the fossil wood locality and the large mammal remains near the well pad. The fossil wood was found stratigraphically higher than most of the pad, half-way up a small hill on a northeast slope, within an orange-red mudstone layer (Fig. 7). Because of the rare nature of fossil woods in the Duchesne River and Uinta Formations, the wood was collected and documented. In a similar mudstone bed, about 2 meters below the wood and east of the well-pad, limb-bone fragments were found of a bovine-sized mammal. Fragments were broken prior to burial and hematite covered.

**LOCATION OF QUESTAR WELLS in T 9 S, R 24 E**

A ten-acre parcel surrounding each of the proposed well locations (Fig. 9) for WK 9MU-2, RWS 10MU-6, RWS 3MU-9, RWS 8MU-14, and BSW 1MU-12, and their proposed access roads, was surveyed for paleontological resources. The wells are located in T 9 S, R 24 E, SLB&M, within the Red Wash SE and Bonanza, 7.5' USGS topographic quadrangles, Uintah County, Utah.

WELL	GEOLOGY	PALEONTOLOGY
WK 9MU-2-9-24	Out on sage flat on top of bench.	No survey needed
RWS 10MU-6-9-24	Pad is on essentially flat ground covered in sage/soil.	No survey needed
RWS 3MU-9-9-24	Pad situated on top of bench on south side of Coyote Wash. Access comes from the south-southwest across sage flats. Most of the pad is covered in soils, but the north half of the pad bears moderately good outcrop with some weathered and residuum cover. Outcrop consists of greenish gray fine-grained sandstone lenses and medium-grained brown sandstones with interbeds of gray, tan and green-gray mudstones. Slopes into Coyote Wash are outside of pad but bear good mudstone outcrop. All bedrock consists of the upper beds of the Uinta B.	Despite some relatively good outcrop, no fossils were found.
RWS 8MU-14-9-24	Access and pad on sage flats.	No survey needed
BSW 1MU-12-9-24	Pad situated in a rea of gently rolling hills generally sloping north. Thin ground cover of fine green-gray sandstone/siltstone residuum over gray-green mudstone. Thin poor soils cover parts of the pad.	A few isolated bone fragments found on the pad, but were eroded beyond use.

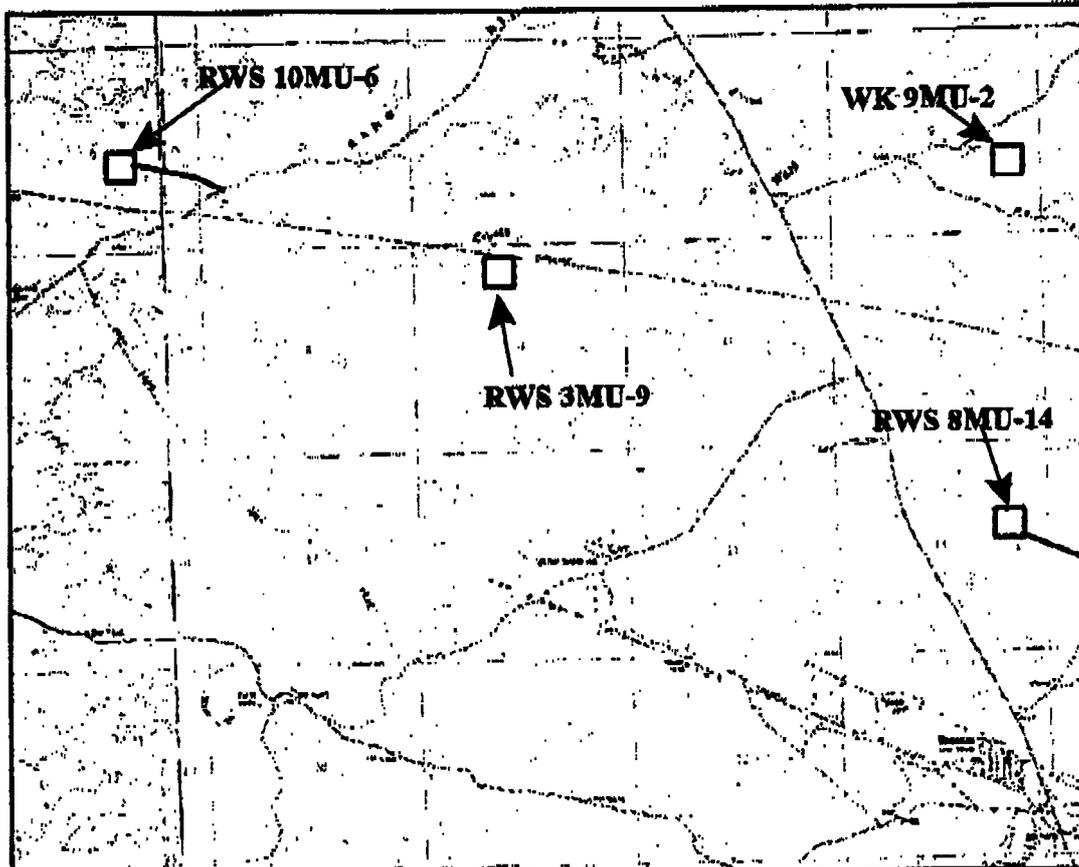


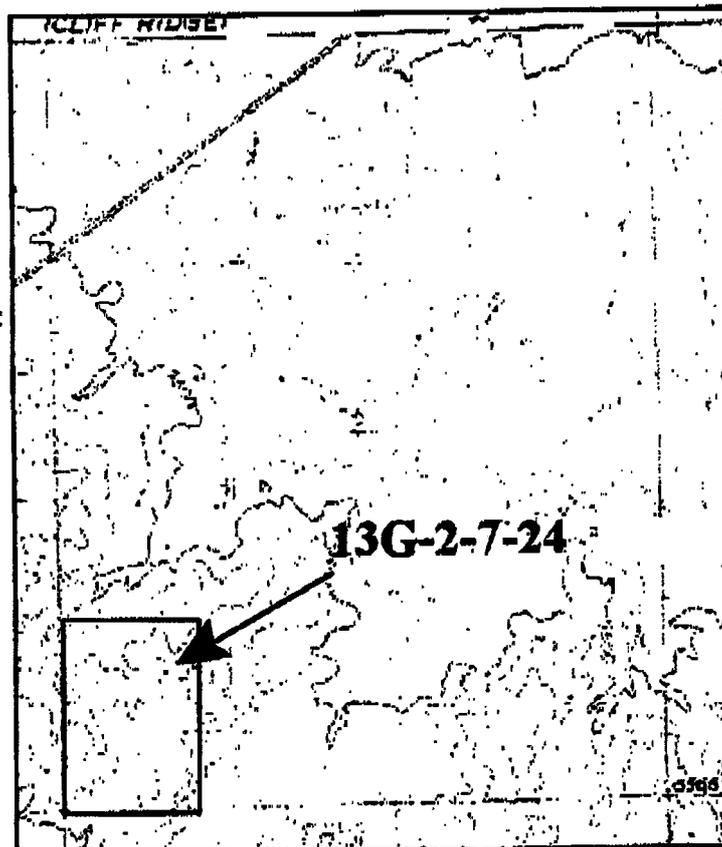
Figure 9. Location of 10-acre parcels surveyed for paleontological resources around proposed Questar wells in T9S, R24E, within the Red Wash SE and Bonanza Quadrangles. Scale: 1 inch = 0.833 miles.

**LOCATION OF QUESTAR WELL in T 7 S, R 24 E**

A ten-acre parcel surrounding 13G-2-7-24 well-site, and its proposed access road, was surveyed for paleontological resources. The well is located in the SW/SW Section 2, T 7 S, R 24 E, SLB&M, within the Dinosaur NW, 7.5' USGS topographic quadrangle, Uintah County, Utah (Fig. 10).

WELL	GEOLOGY	PALEONTOLOGY
13G-2-7-24	Pad had not been staked, but the entire quarter-quarter section is composed on rolling hills of weathered outcrop of Duchesne River mudstones and light gray bioturbated ribbon sandstones. The general slope is to the north with small ridges running north to northeast cut by shallow northerly drainages.	No fossils found within the entire quarter-quarter section.

**Figure 10.** Location of Questar's proposed well for 13G-2-7-24. The well pad was not staked as of the time of the paleo survey, so the entire quarter-quarter section was surveyed for paleontological resources. No fossils were found. Scale: 1 inch = 0.294 miles.



### RECOMMENDATIONS

Only on the pad for RWU 22-09F-8-24 did we find any significant fossils. Because of this, we suggest the initial stages of construction of the pad be monitored by a paleontologist in case other fossils associated within these same beds are exposed.

Most of the proposed well pads and their access routes did not bear fossils. What few fossil fragments found near/on a few of the well locations, were very eroded and fragmentary beyond identification. Their presence should not warrant any restrictions on the proposed construction. Despite the lack of fossils found on and around the proposed well-pads, it is still possible that ground disturbing activities could cut into fossiliferous beds that are not otherwise fossiliferous on the surface. Should fossils be encountered by the proponent during construction, we recommend work be suspended and the BLM should be contacted to bring in a permitted paleontologist to assess the find. Where that is not feasible, safely remove the fossils to a neutral location for the paleontologist to assess as soon as practical.

WELL LOCATION	RECOMMENDATIONS
RW 43-23A-7-22	no limitations on pad and access as staked
RW 34-27A-7-22	no limitations on pad and access as staked
RW 32-27A-7-22	no limitations on pad and access as staked
RW 14-34A-7-22	no limitations on pad and access as staked
WRU EIH 14-35-8-22	no limitations on pad and access as staked
CWD 4MU-32-8-24	no limitations on pad and access as staked
RWU 22-09F-8-24	Fossils were found in the vicinity of the pad. We suggest the initial stages of construction of the pad be monitored by a paleontologist in case other fossils associated within these same beds are exposed.
RWU 43-08F-8-24	no limitations on pad and access as staked
WK 9MU-2-9-24	no limitations on pad and access as staked
RWS 10MU-6-9-24	no limitations on pad and access as staked
RWS 3MU-9-9-24	no limitations on pad and access as staked
RWS 8MU-14-9-24	no limitations on pad and access as staked
BSW 1MU-12-9-24	no limitations on pad and access as staked
13G-2-7-24	no limitations on pad and access as staked

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**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 4/20/2004 9:29:27 AM  
**Subject:** Re: EOG Resources lease and bond

EOG Resources, Inc, ML 3355 and Bond No. JP 0921 are OK

**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 5/3/2004 9:34:38 AM  
**Subject:** Well Clearance

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

The Houston Exploration Company  
Bonanza 4D-16

Citation Oil & Gas Corporation  
Walker Hollow Unit 83  
Walker Hollow Unit 85  
Walker Hollow Unit 87

QEP Uinta Basin Inc  
WH 13G-2-7-24

EOG Resources Inc  
Chapita Wells Unit 862-32

ConocoPhillips Company  
Utah 5-224

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

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



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

June 7, 2004

EOG Resources, Inc.  
P O Box 1910  
Vernal, UT 84078

Re: Chapita Wells Unit 862-32 Well, 959' FSL, 1198' FWL, SW SW, Sec. 32,  
T. 9 South, R. 23 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 43-047-35579.

Sincerely,

John R. Baza  
Associate Director

Enclosures

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

Operator: EOG Resources, Inc.  
Well Name & Number Chapita Wells Unit 862-32  
API Number: 43-047-35579  
Lease: ML-3355

Location: SW SW Sec. 32 T. 9 South R. 23 East

### Conditions of Approval

1. **General**  
Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.
2. **Notification Requirements**  
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
  - 24 hours prior to cementing or testing casing
  - 24 hours prior to testing blowout prevention equipment
  - 24 hours prior to spudding the well
  - within 24 hours of any emergency changes made to the approved drilling program
  - prior to commencing operations to plug and abandon the well

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

  - Dan Jarvis at (801) 538-5338
  - Carol Daniels at (801) 538-5284 (spud)
3. **Reporting Requirements**  
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.
4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: EOG RESOURCES INCWell Name: CWU 862-32Api No: 43-047-35579 Lease Type: STATESection 32 Township 09S Range 23E County UINTAHDrilling Contractor PETE MARTIN'S RIG # BUCKET**SPUDDED:**Date 04/26/05Time 10:00 AMHow DRY**Drilling will Commence:** \_\_\_\_\_Reported by DALL COOKTelephone # 1-435-828-3630Date 04/26/2005 Signed CHD

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

FORM 6

008

**ENTITY ACTION FORM**

Operator: EOG RESOURCES, INC. Operator Account Number: N 9550  
 Address: P.O. BOX 250  
 city BIG PINEY  
 state WY zip 83113 Phone Number: (307) 276-3331

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304735394	CHAPITA WELLS UNIT 886-15		SWSE	15	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	14677	4/26/2005		4/28/05		
Comments: <u>PRRV = MVRD</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304735579	CHAPITA WELLS UNIT 862-32		SWSW	32	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	14678	4/26/2005		4/28/05		
Comments: <u>PRRV = MVRD</u>							

**Well 3**

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

Kaylene R. Gardner

Name (Please Print)

*Kaylene R. Gardner*  
 Signature  
 Regulatory Assistant

4/26/2005

Title

Date

**RECEIVED**

**APR 26 2005**

DIV. OF OIL, GAS & MINING

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

006

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: ML 3355
2. NAME OF OPERATOR: EOG RESOURCES, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. BOX 250 CITY BIG PINEY STATE WY ZIP 83113		7. UNIT or CA AGREEMENT NAME: CHAPITA WELLS UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 959 FSL 1198 FWL 39.987892 LAT 109.355197 LON		8. WELL NAME and NUMBER: CWU 862-32
PHONE NUMBER: (307) 276-3331		9. API NUMBER: 4304735579
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 32 9S 23E S		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

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

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

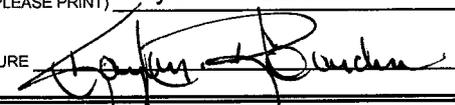
EOG Resources, Inc. requests authorization for disposal of produced water from the referenced well to any of the following locations.

1. Natural Buttes Unit 21-20B SWD
2. Ace Disposal
3. RN Industries

EOG Resources, Inc. operates under Nationwide Bond #2308

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

RECEIVED  
APR 28 2005  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Kaylene R. Gardner	TITLE Regulatory Assistant
SIGNATURE 	DATE 4/26/2005

(This space for State use only)

005

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  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EOG RESOURCES, INC.

3. ADDRESS OF OPERATOR:  
P.O. BOX 250 CITY BIG PINEY STATE WY ZIP 83113 PHONE NUMBER: (307) 276-3331

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 959 FSL 1198 FWL 39.987892 LAT 109.355197 LON COUNTY: UINTAH  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 32 9S 23E S STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML 3355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
CHAPITA WELLS UNIT

8. WELL NAME and NUMBER:  
CWU 862-32

9. API NUMBER:  
4304735579

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<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. spud a 20" surface hole at the referenced location 4/26/2005 at 10:00 a.m. The contractor was Pete Martin's Bucket Rig. Dall Cook, representative for EOG, notified Ed Forsman of the Vernal BLM office and Carol Daniels of the Utah Division of Oil Gas and Mining of the spud 4/26/2005 @ 8:00 a.m

EOG Resources, Inc. operates under Nationwide Bond #2308

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APR 28 2005  
DIV. OF OIL, GAS & MINING

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

SIGNATURE *Kaylene R. Gardner* DATE 4/26/2005

(This space for State use only)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML 3355</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>CHAPITA WELLS UNIT</b>
2. NAME OF OPERATOR: <b>EOG RESOURCES, INC.</b>		8. WELL NAME and NUMBER: <b>CWU 862-32</b>
3. ADDRESS OF OPERATOR: P.O. BOX 250 CITY <b>BIG PINEY</b> STATE <b>WY</b> ZIP <b>83113</b>		9. API NUMBER: <b>4304735579</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>959 FSL 1198 FWL 39.987892 LAT 109.355197 LON</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 32 9S 23E S</b>		COUNTY: <b>UINTAH</b>
		STATE: <b>UTAH</b>

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

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

INITIAL PRODUCTION: The referenced well was turned to sales 7/15/2005 at 9:15 a.m., through Questar meter # 6772 on a 10/64" choke. Opening pressure, FTP 3100 psig, CP 3100 psig.

EOG Resources, Inc. operates under Nationwide Bond #2308

NAME (PLEASE PRINT) <u>Kaylene R. Gardner</u>	TITLE <u>Regulatory Assistant</u>
SIGNATURE	DATE <u>7/15/2005</u>

(This space for State use only)

**RECEIVED**  
**JUL 20 2005**

**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**

<p>1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____</p> <p>b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3355</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT or CA AGREEMENT NAME <b>CHAPITA WELLS UNIT</b></p> <p>8. WELL NAME and NUMBER: <b>CWU 862-32</b></p>
--	---

2. NAME OF OPERATOR:  
**EOG RESOURCES, INC.**

3. ADDRESS OF OPERATOR: <b>P.O. BOX 250 CITY BIG PINEY STATE WY ZIP 83113</b>	PHONE NUMBER: <b>(307) 276-3331</b>
--	--

<p>4. LOCATION OF WELL (FOOTAGES)</p> <p>AT SURFACE: <b>959 FSL 1198 FWL 39.987892 LAT 109.355197 LON</b></p> <p>AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>SAME</b></p> <p>AT TOTAL DEPTH: <b>SAME</b></p>	<p>9. API NUMBER: <b>43-047-35579</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>NATURAL BUTTES/MESAVERDE</b></p> <p>11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 32 9S 23E S</b></p> <p>12. COUNTY <b>UINTAH</b></p> <p>13. STATE <b>UTAH</b></p>
---	--

14. DATE SPUDDED: <b>4/26/2005</b>	15. DATE T.D. REACHED: <b>5/26/2005</b>	16. DATE COMPLETED: <b>7/15/2005</b>	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>
---------------------------------------	--	---	---

18. TOTAL DEPTH: MD <b>8,645</b>	19. PLUG BACK T.D.: MD <b>8,591</b>	20. IF MULTIPLE COMPLETIONS, HOW MANY? * <b>1</b>	21. DEPTH BRIDGE MD PLUG SET: TVD
----------------------------------	-------------------------------------	--	--------------------------------------

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**RST/CBL/VDL/GR/CCL**

23.

WAS WELL CORED?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	(Submit analysis)
WAS DST RUN?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	(Submit report)
DIRECTIONAL SURVEY?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	(Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4	9 5/8 J-55	36#	0	2,219		1600			
7 7/8	4 1/2 N-80	11.6#	0	8,634		1260			

**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	6,474							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) MESAVERDE	6,480	8,355			8,111 8,355		2/SPF	Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)					7,853 8,060		2/SPF	Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)					7,610 7,797		2/SPF	Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)					7,222 7,563		2/SPF	Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8111-8355	1339 BBLs GELLED WATER & 182,919 # 20/40 SAND
7853-8060	1318 BBLs GELLED WATER & 168,334 # 20/40 SAND
7610-7797	1406 BBLs GELLED WATER & 191,710 # 20/40 SAND

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

**RECEIVED**

**AUG 01 2005**

(CONTINUED ON BACK)

(5/2000)

**31. INITIAL PRODUCTION**

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

DATE FIRST PRODUCED: 7/15/2005		TEST DATE: 7/19/2005		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 23	GAS – MCF: 904	WATER – BBL: 104	PROD. METHOD: FLOWS
CHOKE SIZE: 10/64	TBG. PRESS. 2,600	CSG. PRESS. 2,975	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 23	GAS – MCF: 904	WATER – BBL: 104	INTERVAL STATUS:

**INTERVAL B (As shown in Item #26)**

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

**INTERVAL C (As shown in Item #26)**

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

**INTERVAL D (As shown in Item #26)**

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

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

**SOLD**

**33. SUMMARY OF POROUS ZONES (include Aquifers):**

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

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
MESAVERDE	6,480	8,355		WASATCH CHAPITA WELLS BUCK CANYON NORTH HORN ISLAND MESAVERDE MIDDLE PRICE RIVER LOWER PRICE RIVER SEGO	4,266 4,821 5,581 6,181 6,366 6,466 7,316 8,036 8,501

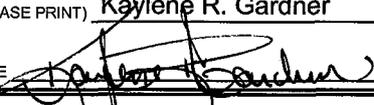
**35. ADDITIONAL REMARKS (include plugging procedure)**

SEE ATTACHED SHEET

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

NAME (PLEASE PRINT) Kaylene R. Gardner

TITLE Regulatory Assistant

SIGNATURE 

DATE 7/28/2005

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

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

**Chapita Wells Unit 862-32 - ADDITIONAL REMARKS (CONTINUED):**

TURNED TO SALES THROUGH QUESTAR METER #6772. Two 400 bbl tanks #80613V and 80614V are on location.

**27. PERFORATION RECORD**

6892-7175	2/SPF
6480-6804	2/SPF

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

7222-7563	1603 BBLs GELLED WATER & 237,600 # 20/40 SAND
6892-7175	1604 BBLs GELLED WATER & 237,423 # 20/40 SAND
6480-6804	1607 BBLs GELLED WATER & 241,976 # 20/40 SAND

Perforated the Lower Price River from 8111-12', 8145-47', 8189-90', 8199-8200', 8224-25', 8238-40', 8257-58', 8316-17', 8336-37' & 8353-55' w/2 SPF.

Perforated the Middle Price River from 7853-55', 7893-95', 7908-09', 7923-24', 7946-47', 7977-79', 8010-11', 8027-28' & 8058-60' w/2 SPF.

Perforated the Middle Price River from 7610-12', 7634-36', 7659-60', 7672-73', 7714-15', 7733-34', 7772-74' & 7795-97' w/2 SPF.

Perforated the Middle Price River from 7222-24', 7343-45', 7397-99', 7432-34', 7511-13', 7533-35' & 7561-63' w/2 SPF.

Perforated the Upper Price River from 6892-93', 6921-23', 6960-61', 6987-89', 7034-35', 7061-63', 7098-7100', 7123-25', 7149-50' & 7174-75' w/2 SPF.

Perforated the Upper Price River from 6480-82', 6534-36', 6574-76', 6611-13', 6684-86', 6708-10', 6739-40' & 6803-04' w/2 SPF.

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

ENTITY ACTION FORM

Operator: EOG RESOURCES Operator Account Number: N 9550  
 Address: P.O. BOX 1815  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-9111

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35542	CHAPITA WELLS UNIT 914-26		NENW	26	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	14515	13650				4/12/06	
Comments: CHANGE TO PARTICIPATING AREA <i>MVRD</i> PER BLM EFFECTIVE 6/1/2005 <i>-K</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35553	CHAPITA WELLS UNIT 856-6		NWSW	6	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	14583	4905				4/12/06	
Comments: CHANGE TO PARTICIPATING AREA <i>WSTE</i> PER BLM EFFECTIVE 2/1/2006 <i>-K</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35579	CHAPITA WELLS UNIT 862-32		SWSW	32	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	14678	14091				4/12/06	
Comments: CHANGE TO PARTICIPATING AREA <i>MVRD</i> PER BLM EFFECTIVE 7/1/2005 <i>-K</i>							

ACTION CODES:

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

Kaylene R. Gardner

Name (Please Print)

Signature

Regulatory Assistant

Title

4/10/2006

Date

(5/2000)

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APR 11 2006

DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

March 6, 2006

EOG Resources, Inc.  
Attn: Debbie Spears  
600 17th Street, Suite 1100N  
Denver, Colorado 80202

Re: 1<sup>st</sup> Revision of the  
Mesaverde Formation PA "I"  
Chapita Wells Unit  
Uintah County, Utah

Gentlemen:

The 1st Revision of the Mesaverde Formation Participating Area "I", Chapita Wells Unit, CRS No. UTU63013M, AFS No. 892000905M, is hereby approved effective as of July 1, 2005, pursuant to Section 11 of the Chapita Wells Unit Agreement, Uintah County, Utah.

The 1st Revision of the Mesaverde Formation Participating Area "I" results in the addition of 80.00 acres to the participating area for a total of 160.00 acres and is based upon the completion of the Chapita Wells Well No. 862-32, API No. ~~43-047-35353~~, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 32, Township 9 South, Range 23 East, SLM&B, Federal Unit Tract No. 36, on a State Lease, as being a well capable of producing unitized substances in paying quantities. *43-047-35579*

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 1st Revision of the Mesaverde Formation Participating Area "I", Chapita Wells Unit, and the effective date.

Sincerely,

/s/ Douglas F. Cook

Douglas F. Cook  
Chief, Branch of Fluid Minerals

### Enclosure

bcc: Division of Oil, Gas & Mining  
SITLA  
Chapita Wells Unit w/enclosure  
MMS - Data Management Division (Attn: James Sykes)  
Field Manager - Vernal w/enclosure  
Agr. Sec. Chron.  
Reading Chron.  
Central Files

UT922:TATHOMPSON:tt:3/6/06

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MAR 07 2006

DIV. OF OIL, GAS & MINING

43-047-35579  
329s 23e



February 2, 2007

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FEB 07 2007

**EOG Resources, Inc.**  
600 Seventeenth St., Ste. 1100 N  
Denver, CO 80202  
(303) 572-9000  
Fax (303) 824-5400

DIV. OF OIL, GAS & MINING

Utah Division of Oil, Gas & Mining  
1594 West North Temple  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: CWU #862-32  
T09S-R23E-Sec.32  
Uintah, Utah

Gentlemen:

Enclosed herewith are the following logs and data associated with the subject well:

Sigma Log RST-PBMS  
Cement Bond Log SCMT-PBMS

If you have any questions, please do not hesitate to contact me.

Very truly yours,

EOG RESOURCES, INC.

Delores Montoya  
Exploration & Operations Senior Secretary  
Denver Office

Enc.  
Cc: Well File

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3355</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>Chapita Wells Unit</b>
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		8. WELL NAME and NUMBER: <b>Chapita Wells Unit 862-32</b>
3. ADDRESS OF OPERATOR: <b>600 17th St., Suite 1000N</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>43-047-35579</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>959' FSL &amp; 1198' FWL 39.987892 LAT 109.355197 LON</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 32 9S 23E S</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes/Mesaverde</b> COUNTY: <b>Uintah</b> STATE: <b>UTAH</b>

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

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

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

The reserve pit on the referenced location was closed on 10/6/2006 as per the APD procedure.

NAME (PLEASE PRINT) <u>Mary A. Maestas</u>	TITLE <u>Regulatory Assistant</u>
SIGNATURE <u><i>Mary A. Maestas</i></u>	DATE <u>2/6/2007</u>

(This space for State use only)

**RECEIVED**

**FEB 08 2007**

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

FORM 6

**ENTITY ACTION FORM**

Operator: EOG Resources, Inc. Operator Account Number: N 9550  
Address: 600 17th St., Suite 1000N  
city Denver  
state CO zip 80202 Phone Number: (303) 824-5526

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35249	CWU 867-33		SWSW	33	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	14091	13650	6/22/2005			6/1/2006	
Comments: <u>MVRD</u> <span style="float: right;"><u>12/31/07</u></span>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35579	CWU 862-32		SWSW	32	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	14091	13650	4/26/2005			6/1/2006	
Comments: <u>MVRD</u> <span style="float: right;"><u>12/31/07</u></span>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-36486	CWU 957-32		SESE	32	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	14091	13650	8/16/2007			6/1/2006	
Comments: <u>MVRD</u> <span style="float: right;"><u>12/31/07</u></span>							

**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)

Mary A. Maestas

Name (Please Print)

Mary A. Maestas  
Signature

Regulatory Assistant

Title

12/26/2007  
Date

Date

**RECEIVED**

**DEC 26 2007**

(5/2000)

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3355</b>
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: <b>600 17th St., Suite 1000N</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		7. UNIT or CA AGREEMENT NAME: <b>Chapita Wells Unit</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>959' FSL &amp; 1198' FWL 39.987892 LAT 109.355197 LON</b> COUNTY: <b>Uintah</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 32 9S 23E S</b> STATE: <b>UTAH</b>		8. WELL NAME and NUMBER: <b>Chapita Wells Unit 862-32</b>
PHONE NUMBER: <b>(303) 824-5526</b>		9. API NUMBER: <b>43-047-35579</b>
10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes/Mesaverde</b>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (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"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input 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 to temporarily abandon the subject well while the twin well to this location (Chapita Wells Unit 699-32) is drilled and completed.

**COPY SENT TO OPERATOR**

Date: 4.28.2008

Initials: KS

NAME (PLEASE PRINT) <u>Mary A. Maestas</u>	TITLE <u>Regulatory Assistant</u>
SIGNATURE <u>Mary A. Maestas</u>	DATE <u>4/9/2008</u>

(This space for State use only)

**APPROVED BY THE STATE**  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 4/25/08  
BY: [Signature] (See Instructions on Reverse Side)

**RECEIVED**

**APR 11 2008**

DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3355</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>Chapita Wells Unit</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>Chapita Wells Unit 862-32</b>
2. NAME OF OPERATOR: <b>EOG Resources, Inc.</b>		9. API NUMBER: <b>43-047-35579</b>
3. ADDRESS OF OPERATOR: <b>1060 East Highway 40 Vernal UT 84078</b>	PHONE NUMBER: <b>(435) 789-0790</b>	10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes/Mesaverde</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>959' FSL &amp; 1198' FWL 39.987892 LAT 109.355197 LON</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 32 9S 23E S</b>		STATE: <b>UTAH</b>

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

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

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

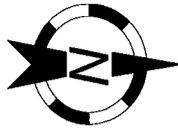
Attached please find a site facility diagram.

NAME (PLEASE PRINT) <u>Mickenzie Thacker</u>	TITLE <u>Operations Clerk</u>
SIGNATURE <u><i>Mickenzie Thacker</i></u>	DATE <u>9/5/2008</u>

(This space for State use only)

**RECEIVED**  
**SEP 09 2008**

# Geogresources Site Facility Diagram



**Well Name: CHAPITA WELLS UNIT 699-32**  
**1/4 1/4: SW/SW Sec: 32 T: 9S R: 23E**  
**County: UINTAH State: UTAH**  
**Lease: ML-3355**  
**UNIT\PA#: 892000905ABCDEFGHIJKLNP**

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

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

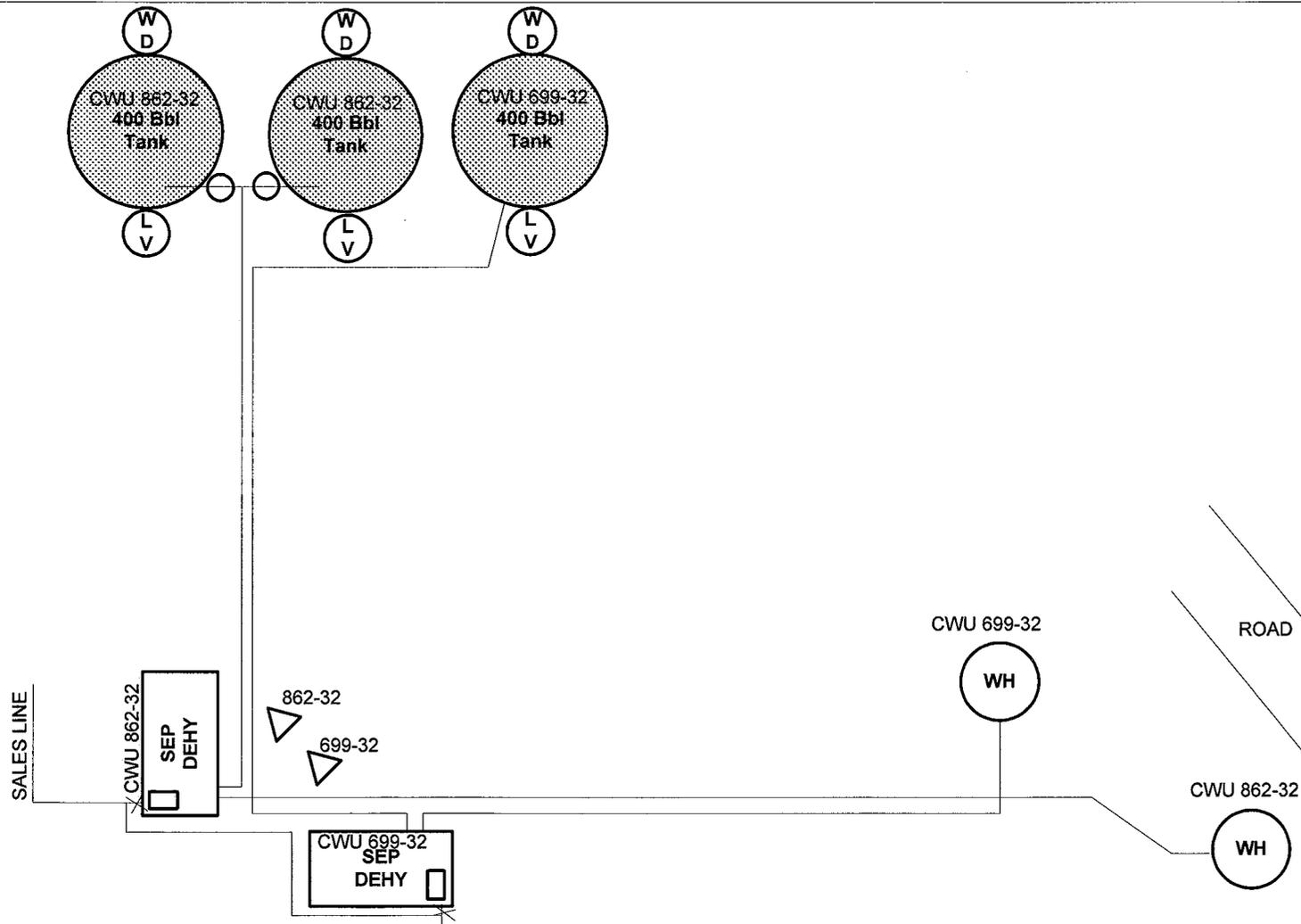
DATED 9/4/2008

## Abbreviations

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

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

◁ = Meter Display  
 □ = Meter Tube  
 ○ = Production Valve  
 ✕ = Valve



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-3355
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> CHAPITA WELLS
<b>2. NAME OF OPERATOR:</b> EOG RESOURCES, INC.		<b>8. WELL NAME and NUMBER:</b> CWU 862-32
<b>3. ADDRESS OF OPERATOR:</b> 600 17th Street, Suite 1000 N , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047355790000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0959 FSL 1198 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 32 Township: 09.0S Range: 23.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/10/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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: <input type="text" value="Well Connect"/>

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

CWU 862-32 has been connected to Davies Road Facility on June 10, 2014. All wells producing at the Davies Road Facility are within PA# A-Z, AA-BB, UTU63013BF.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
June 16, 2014

<b>NAME (PLEASE PRINT)</b> Donna J Skinner	<b>PHONE NUMBER</b> 303 262-9467	<b>TITLE</b> Sr. Regulatory Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/16/2014	