

**EOG Resources, Inc.**  
**P.O. Box 250**  
**Big Piney, WY 83113**

July 10, 2000

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

RE: APPLICATION FOR PERMIT TO DRILL  
CHAPITA WELLS UNIT #335-2F  
LOT #4, SEC. 2, T9S, R22E  
UINTAH COUNTY, UTAH  
LEASE NO.: ML-3077  
STATE OF UTAH LANDS

Enclosed please find a 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

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DIVISION OF  
OIL, GAS AND MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK  
**DRILL**  **DEEPEN**

b. TYPE OF WELL  
Oil  Gas  Well  Well  Other  Single Zone  Multiple Zone

5. Lease designation and serial number  
**ML-3077**

6. If Indian, Allottee or Tribe name  
**N/A**

7. Unit Agreement Name  
**CHAPITA WELLS UNIT**

8. Farm or lease name, well no.  
**CHAPITA WELLS UNIT**

2. Name of Operator  
**EOG RESOURCES, INC.**

9. API Well no.  
**CWU 335-2F**

3. Address and Telephone Number  
**P.O. BOX 1815, VERNAL, UT 84078 (435)789-0790**

10. Field and pool, or wildcat  
**CWU/WASATCH**

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface **761' FNL & 1122' FWL LOT 4**  
At proposed prod. Zone **4436542 N  
635432 E**

11. Sec., T., R., M., or BLK. and survey or area  
**SEC. 2, T9S, R22E NWNW**

14. Distance in miles and direction from nearest town or post office  
**17 MILES SOUTHEAST OF OURAY, UTAH**

12. County or parish  
**UINTAH**

13. State  
**UTAH**

15. Distance from proposed location to nearest property or lease line, ft.  
**761'**  
(Also to nearest drig. Unit line, if any)

16. No. of acres in lease  
**640**

17. No. of acres assigned to this well  
**40**

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth  
**6590'**

20. Rotary or cable tools  
**ROTARY**

21. Elevations (show whether DF, RT, GR, etc.)  
**4840 FEET GRADED GROUND**

22. Approx. date work will start  
**AUGUST 2000**

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	200' - 220'	100-150 SX CLASS "G" + 2%
or 12 1/4"	9 5/8"	32.30#	200 - 220'	CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	4 1/2"	10.50#	6590'	50/50 POXMIX: 1.3 Cu Ft/SX.

SEE ATTACHMENTS FOR:

- 8 POINT PLAN
- BOP SCHEMATIC
- SURFACE USE AND OPERATING PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPOGRAPHIC MAPS "A", "B", AND "C"
- GAS SALES PIPELINE—MAP "D"
- FACILITY DIAGRAM

**CONFIDENTIAL**

EOG RESOURCES, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND # JP 0921

14.1 PPG. EST. 1000 SX. FROM TD TO 400' ABOVE ZONES OF INTEREST. LIGHT CEMENT: 3.89 CU FT/SX 11 PPG EST. 400 SX TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS.

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Pc: UTAH DIVISION OF OIL, GAS AND MINING

**DIVISION OF  
OIL GAS AND MINING**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED *[Signature]* TITLE **Agent** DATE **7-10-2000**

(This space for Federal or State office use)

PERMIT NO. **43-047-33629** APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:  
APPROVED BY *[Signature]* TITLE **BRADLEY G. HILL  
RECLAMATION SPECIALIST III** DATE **8/10/00**



EIGHT POINT PLAN

CHAPITA WELLS UNIT #335-2F

LOT 4, SEC. 2, T9S, R22E

UINTAH COUNTY, UTAH

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

FORMATION	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River	1929		
Oil Shale	1929		
Base "M" Marker	4707		
Wasatch	5130		
Peters Point	5130	GAS	
Chapita Wells	5737	GAS	
Buck Canyon	6367	GAS	

EST. TD 6590

Anticipated BHP 2900 PSI

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>MINIMUM SAFETY FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
11	0' - 220'	200' - 220'	8 5/8	24.0 #	J-55	ST&C	1370 PSI	2950 PSI	263,000#
or									
12 1/4	0' - 220'	200' - 220'	9 5/8	32.3 #	H-40	ST&C	1370 PSI	2270 PSI	254,000#
7 7/8	0' - 6590'	6590'	4 1/2	10.5 #	J-55	ST&C	4010 PSI	4790 PSI	146,000#

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8".

All casing will be new or inspected.

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**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT #335-2F**  
**LOT 4, SEC. 2, T9S, R22E**  
**UINTAH COUNTY, UTAH**

**5. MUD PROGRAM**

<u>INTERVAL</u>	<u>MUD TYPE</u>	<u>MUD WT.</u>
0' - 220'	Air	NA
240' - 4000'	Air/Mist & Aerated Water	NA
4000' - TD	Air/3% KCL water or KCL substitute	8.4-8.8 PPG

Lost circulation probable from 1500' to 3000'+/-.

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

**6. 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).
- B. 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.

**7. EVALUATION PROGRAM:**

Logs: Schlumberger Platform Express  
AIT-GR-SP-CAL T.D. to base of surface casing  
FDC-CNL-GR-Cal-PE T.D. to 4600'

Cores: None Programmed  
DST: None Programmed

Completion: To be submitted at a later date.

Note: If hole conditions prevent the running of open hole logs, a cased hole Dipole Sonic/Neutron/Gr will be run in lieu of open hole logs.

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**EIGHT POINT PLAN**

**CHAPITA WELLS UNIT #335-2F**

**LOT 4, SEC. 2, T9S, R22E**

**UINTAH COUNTY, UTAH**

**8. ABNORMAL CONDITIONS:**

None anticipated.

**9. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Kelly Clock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**10. 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)

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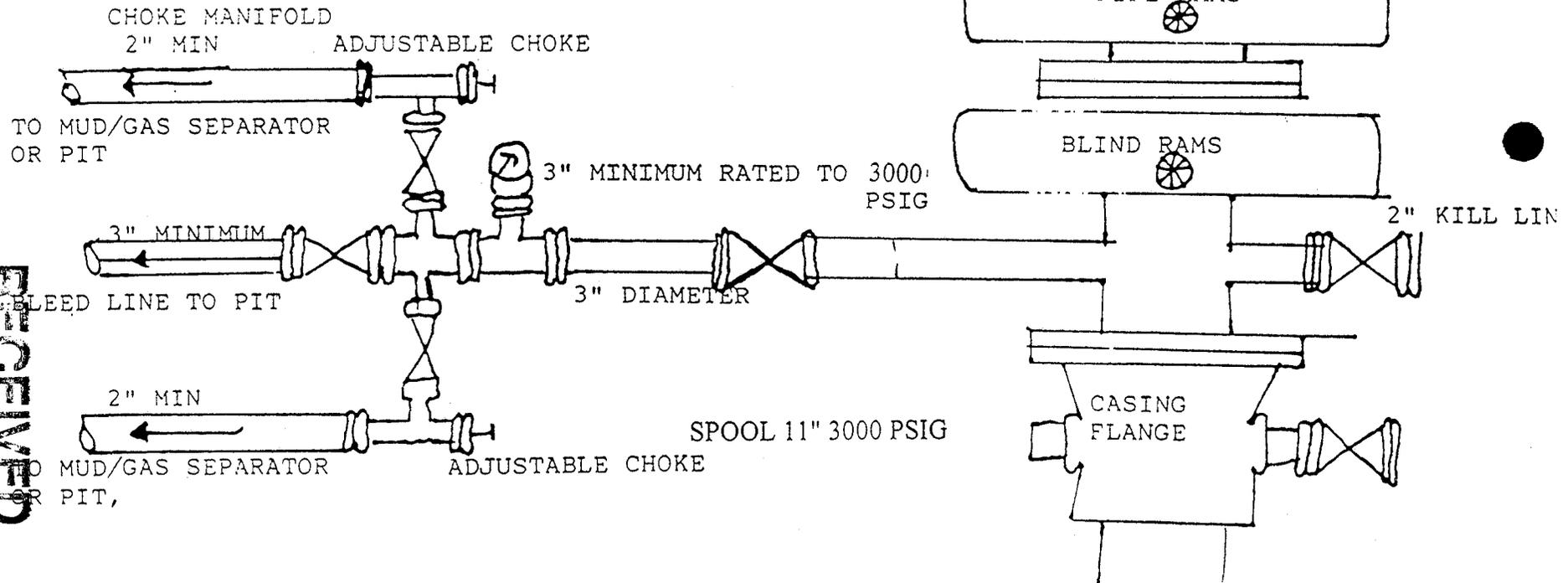
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# 3000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 RATED.  
 CASING FLANGE IS 11" 3000 PSIG RATED.  
 BOPE 11" 3000 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, 3000 psig
3. Annular preventor will be tested to 50% of working pressure, 1500 psig
4. Casing will be tested to 0.22 psi/ft. or 1500 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 3000 psig BOPE specifications.



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**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 #355-2F  
Lease Number: ML-3077  
Location: 761' FNL & 1122' FWL, LOT 4, Sec. 2, T9S, R22E, 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.

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## 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 17 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 0.15 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. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent

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intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

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

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None
- D. Disposal wells - None
- E. Drilling wells - None
- F. Producing wells - 14\*
- G. Shut in wells - None
- H. Injection wells - None

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

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

A. **ON WELL PAD**

- 1. Tank batteries - None
- 2. 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. See attached facility diagram.
- 3. Oil gathering lines - None
- 4. Gas gathering lines - A 4 1/2" gathering line will be buried from dehy to the edge of the location.
- 5. Injection lines - None
- 6. Disposal lines - None
- 7. Surface pits - None

B. **OFF WELL PAD**

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. A 4 1/2" OD steel above ground natural gas pipeline will be laid approximately 1330' from proposed location to a point in the NW/4 of Section 2, T9S, R22E, 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.

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3. Proposed pipeline will be a 4 1/2" 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 South end 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 an approved waste disposal facility.
  4. 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

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hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

The reserve pit will be constructed so as not to leak, break, or allow discharge.

**The reserve pit shall be lined.**

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

The stockpiled topsoil will be stored on the South end of the location.

Access to the well pad will be from the South.

N/A Diversion ditch(es) shall be constructed on the \_\_\_\_\_ side of the location (above/below) the cut slope, draining to the \_\_\_\_\_.

N/A Soil compacted earthen berm(s) shall be placed on the \_\_\_\_\_ side(s) of the location between the \_\_\_\_\_.

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons \_\_\_\_\_.

X Corner #2 & 7 will be rounded off to minimize excavation.

**FENCING REQUIREMENTS:**

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

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- 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;

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-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.

**Additional Surface Stipulations**

- N/A No construction or drilling activities shall be conducted between \_\_\_\_\_ and \_\_\_\_\_ because of \_\_\_\_\_.
- N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.
- N/A No construction or exploration activities are permitted within a 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.
- N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).
- N/A No cottonwood trees will be removed or damaged.
- N/A Pond will be constructed according to BIA specifications approximately \_\_\_\_\_ feet \_\_\_\_\_ of the location, as flagged on the onsite.

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

**OPERATIONS**

EOG Resources, Inc.      EOG Resources, Inc.  
P.O. Box 250              P.O. Box 1815  
Big Piney, WY 83113      Vernal, UT 84078  
Jim Schaefer              George McBride  
Telephone (307)276-3331      Telephone (435)789-0790

**PERMITTING**

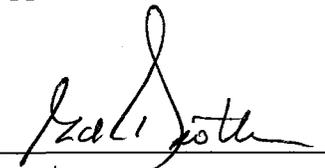
Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435)789-4120  
Fax: (435)789-1420

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.

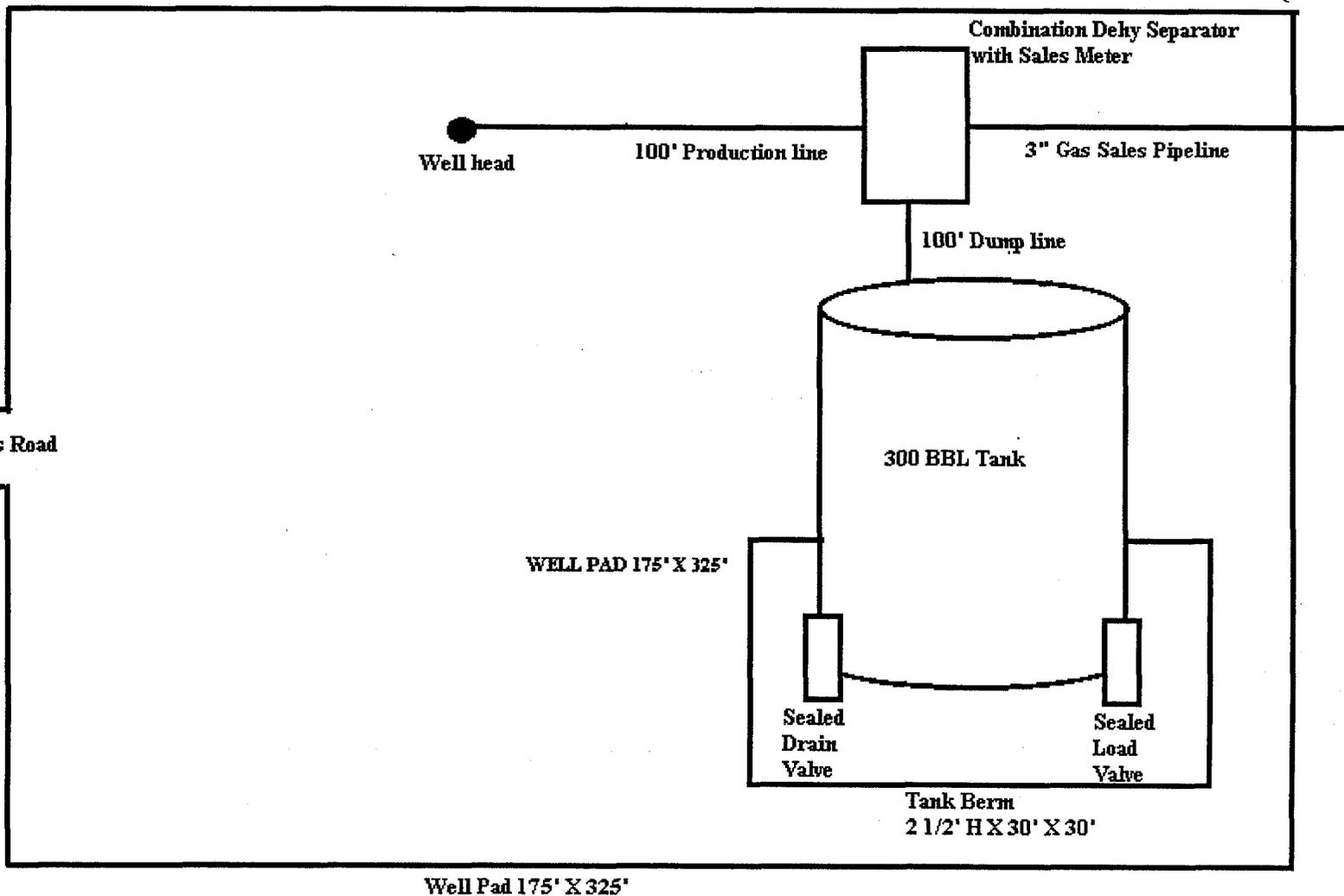
7-10-2000  
Date

  
Agent

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**SITE FACILITY DIAGRAM  
CHAPITA WELLS UNIT #335-2F  
SECTION 2, T9S, R22E, LOT #4  
UINTAH COUNTY, UTAH  
LEASE NUMBER: ML-3077**

(Site Security Plan is on file at EOG Resources, Inc.'s Vernal Office)



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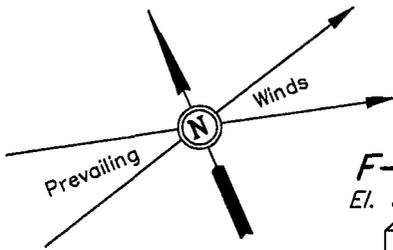
ENRON OIL & GAS CO.

LOCATION LAYOUT FOR

CWU #335-2F  
SECTION 2, T9S, R22E, S.L.B.&M.  
761' FNL 1122' FWL

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F-7.2'  
El. 32.4'

F-4.7'  
El. 34.9'

F-4.7'  
El. 34.9'

Sta. 3+25

SCALE: 1" = 50'  
DATE: 8-30-99  
Drawn By: C.B.T.

NOTE:

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

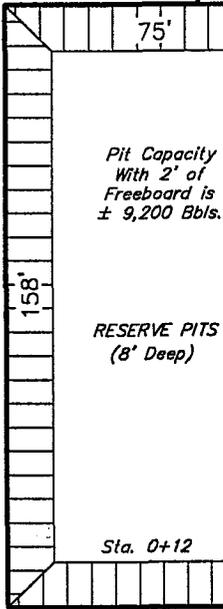
El. 37.2'  
C-5.6'  
(btm. pit)



FLARE PIT

Reserve Pit Backfill & Spoils Stockpile

10' WIDE DIKE



Pit Capacity With 2' of Freeboard is ± 9,200 Bbls.

RESERVE PITS (8' Deep)

Sta. 0+12

F-0.9'  
El. 38.7'

F-0.3'  
El. 39.3'

C-1.0'  
El. 40.6'

Sta. 1+50

C-3.3'  
El. 42.9'

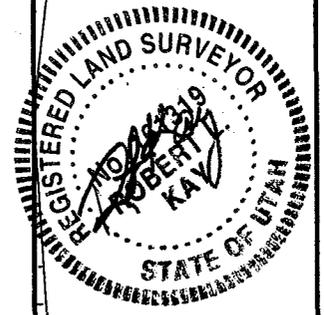
Sta. 0+00

El. 37.5'  
C-5.9'  
(btm. pit)

El. 38.9'  
F-0.7'

El. 40.5'  
C-0.9'

El. 45.3'  
C-5.7'



Proposed Access Road

Elev. Ungraded Ground at Location Stake = 4840.6'  
Elev. Graded Ground at Location Stake = 4839.6'

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

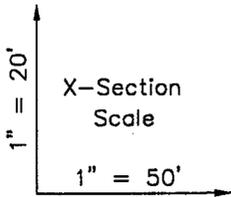
ENRON OIL & GAS CO.

TYPICAL CROSS SECTIONS FOR

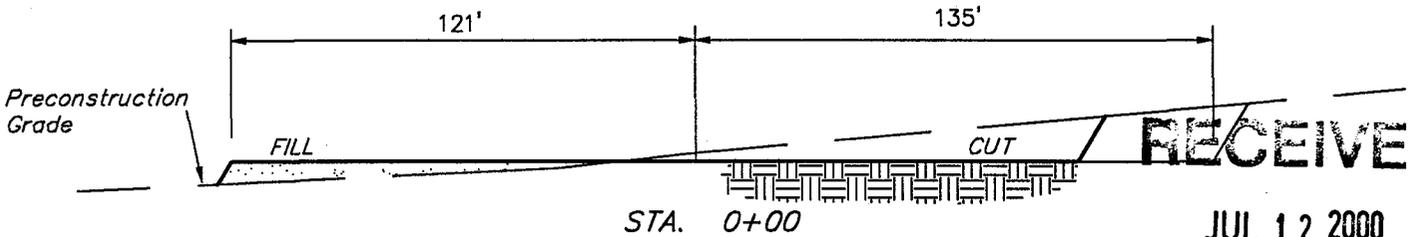
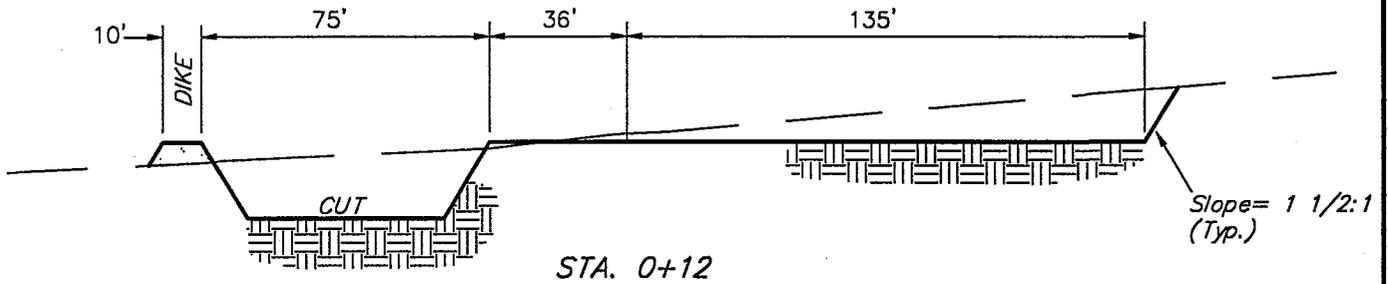
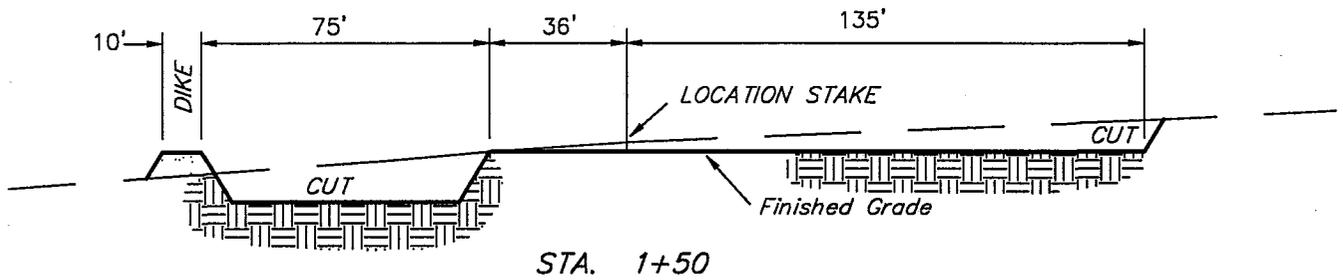
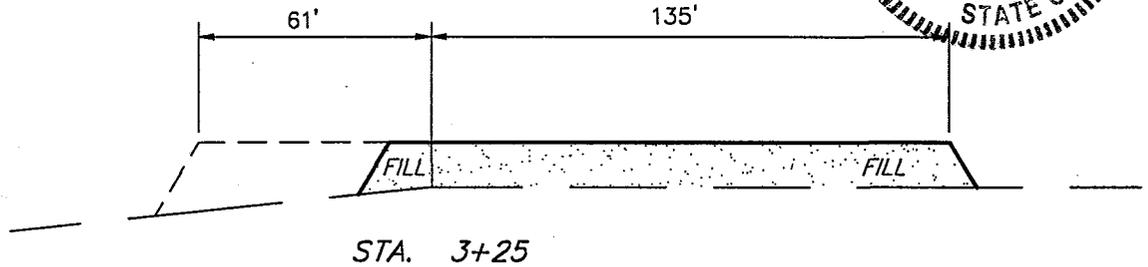
CWU #335-2F

SECTION 2, T9S, R22E, S.L.B.&M.

761' FNL 1122' FWL



DATE: 8-30-99  
Drawn By: C.B.T.



**RECEIVED**

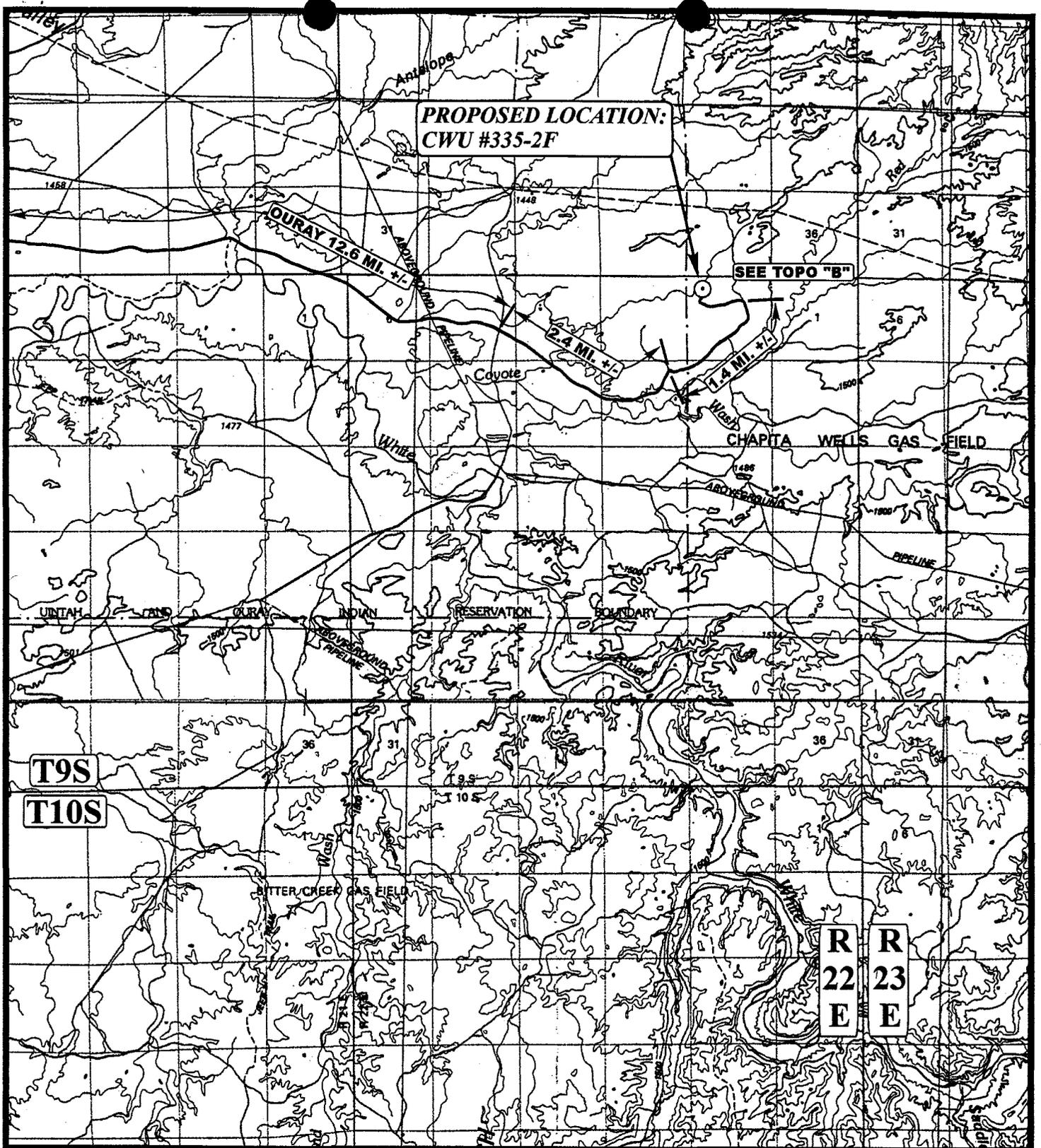
JUL 12 2000

DIVISION OF  
OIL, GAS AND MINING

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,330 Cu. Yds.	EXCESS MATERIAL AFTER 5% COMPACTION	= 2,700 Cu. Yds.
Remaining Location	= 4,250 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,700 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,580 CU.YDS.</b>	EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.
<b>FILL</b>	<b>= 2,740 CU.YDS.</b>		

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



**PROPOSED LOCATION:  
CWU #335-2F**

SEE TOPO "B"

T9S

T10S

R 22  
R 23  
E E

**LEGEND:**

○ PROPOSED LOCATION



**ENRON OIL & GAS CO.**

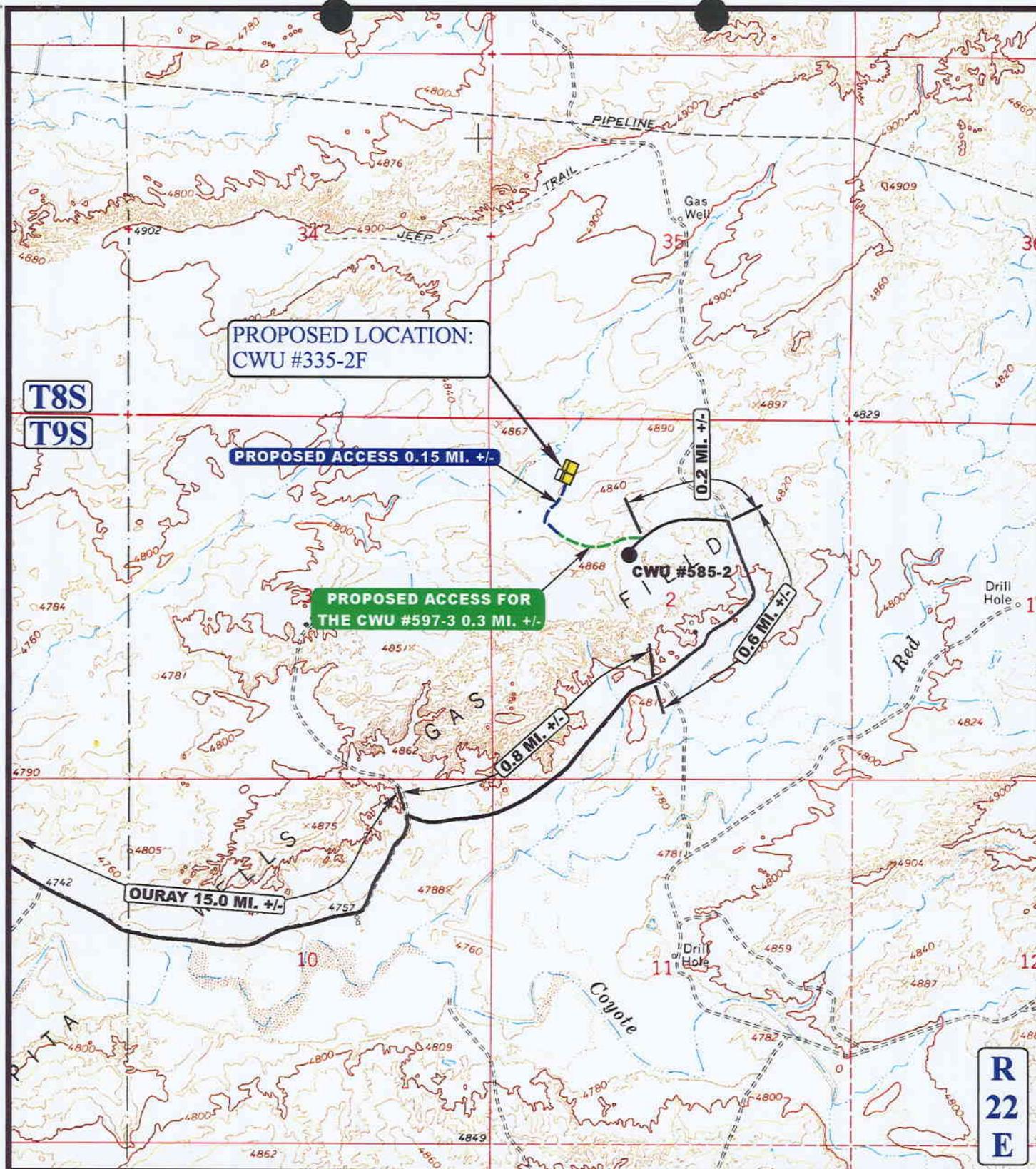
CWU #335-2F  
SECTION 2, T9S, R22E, S.L.B.&M.  
761' FNL 1122' FWL



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

**TOPOGRAPHIC** 8 1998  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: C.G. REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**ENRON OIL & GAS CO.**

**CWU #335-2F  
SECTION 2, T9S, R22E, S.L.B.&M.  
761' FNL 1122' FWL**



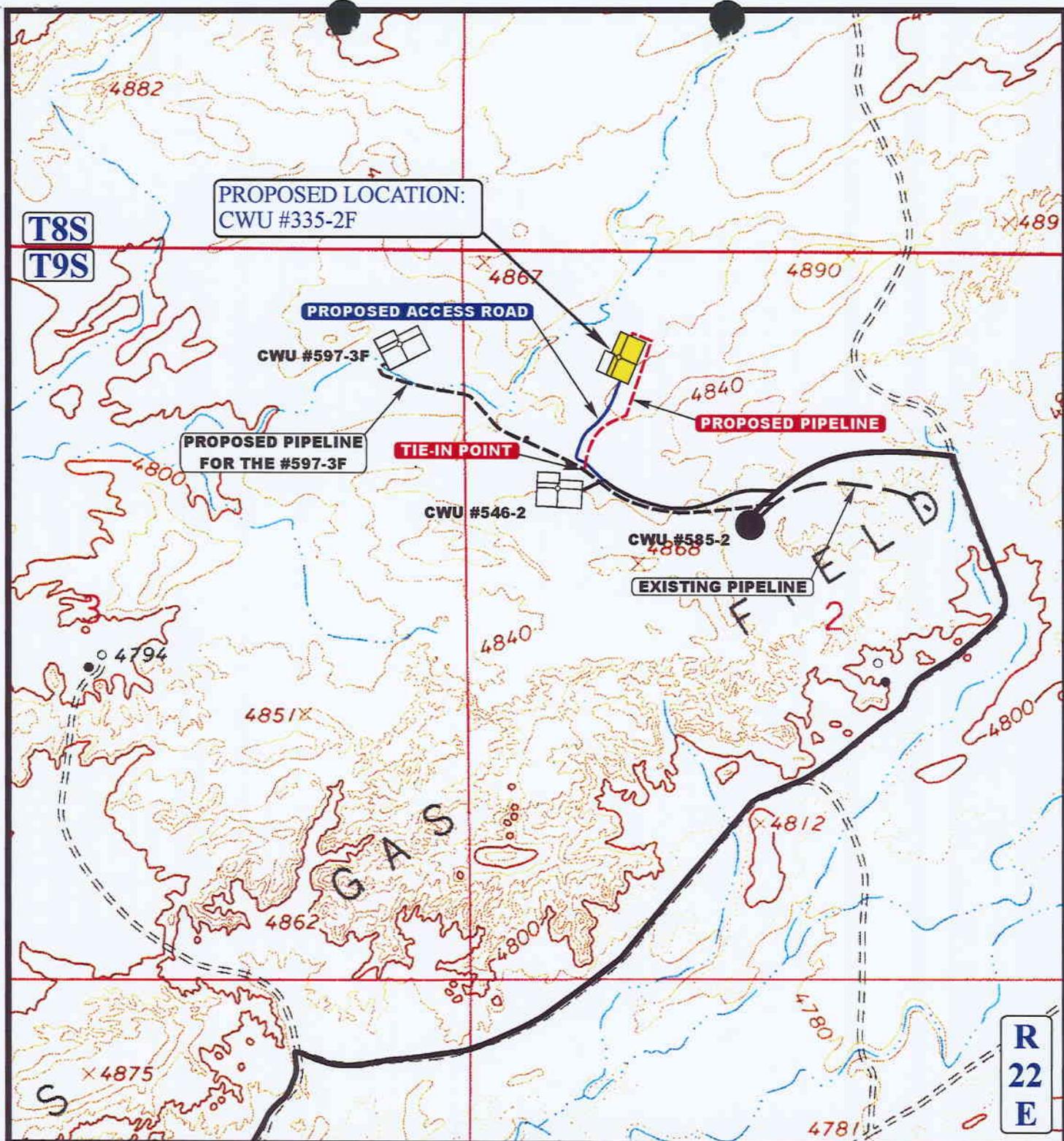
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC 8 1999**  
**MAP** MONTH DAY YEAR

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







**APPROXIMATE TOTAL PIPELINE DISTANCE = 1330' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS



**ENRON OIL & GAS CO.**

**CWU #335-2F**  
**SECTION 2, T9S, R22E, S.L.B.&M.**  
**761' FNL 1122' FWL**



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

**TOPOGRAPHIC** **8** **1999**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/12/2000

API NO. ASSIGNED: 43-047-33629

WELL NAME: CWU 335-2F  
 OPERATOR: EOG RESOURCES INC ( N9550 )  
 CONTACT: ED TROTTER, AGENT

PHONE NUMBER: 435-789-4120

PROPOSED LOCATION:  
 NWNW 02 090S 220E  
 SURFACE: 0761 FNL 1122 FWL  
 BOTTOM: 0761 FNL 1122 FWL  
 UINTAH  
 NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	<i>RJA</i>	8-9-00
Geology		
Surface		

LEASE TYPE: 3-State  
 LEASE NUMBER: ML-3077  
 SURFACE OWNER: 3-State

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

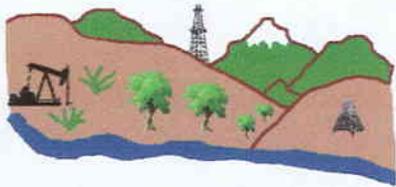
- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. JP-0921 )
- Potash (Y/N)
- Oil Shale (Y/N) \*190 - 5 (B)
- Water Permit  
(No. 49-1501 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit Chapite Wells
- R649-3-2. General  
Siting: \_\_\_\_\_
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 179-8  
Eff Date: 8-10-99  
Siting: 460' fr Unit Boundary
- R649-3-11. Directional Drill

COMMENTS: Need Presite (7/25/00)

STIPULATIONS: ① STATEMENT OF BASIS  
 ② OIL SHALE  
 ③ Blooic line variances may not be granted by the DOGM. Please contact The Utah Industrial Commission UO SH @ 530-6901 Division



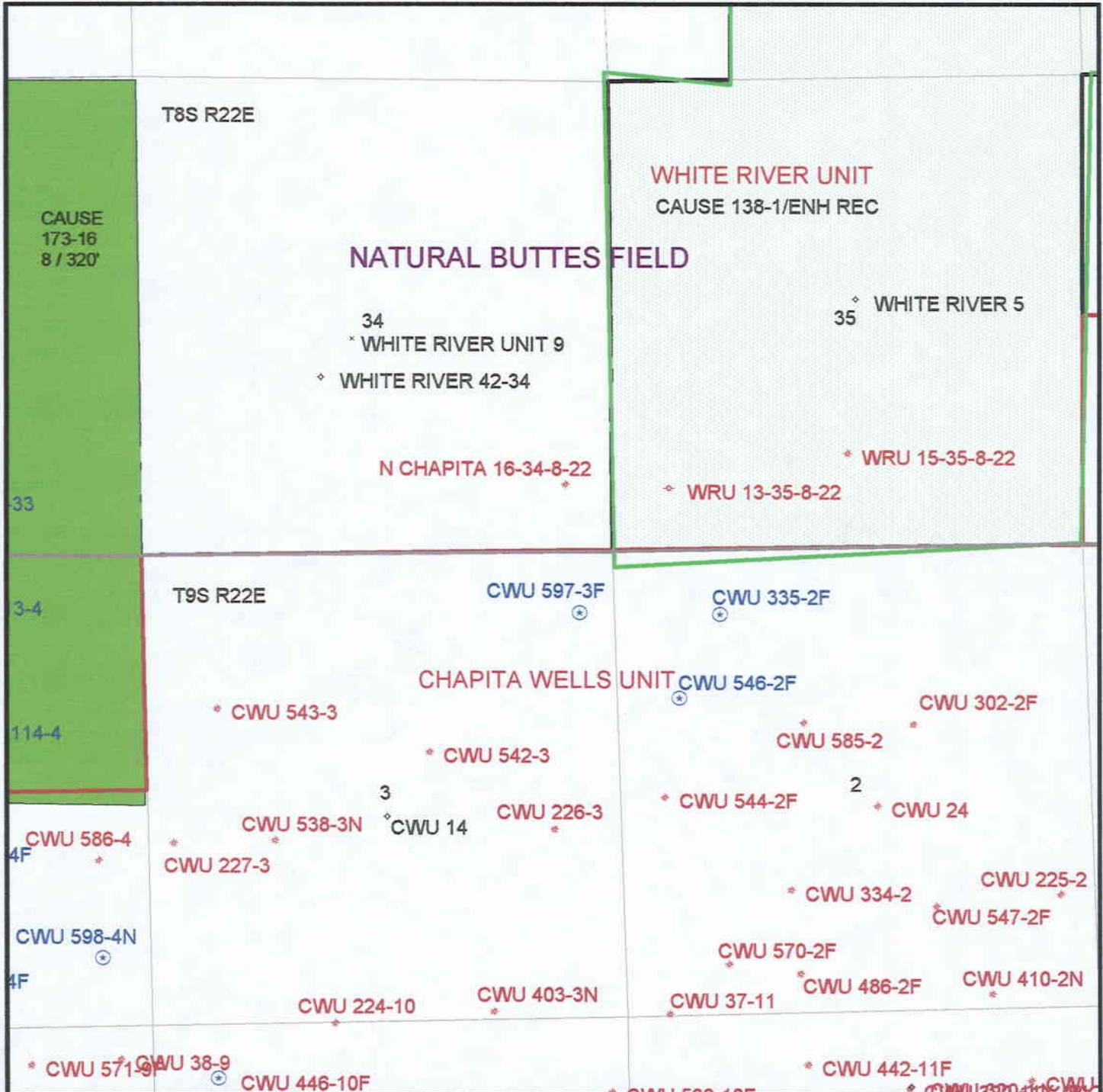
Utah Oil Gas and Mining

OPERATOR: EOG RESOURCES (N9550)

FIELD: NATURAL BUTTES (630)

SEC. 2 & 3, T9S, R22E,

COUNTY: UINTAH UNIT: CHAPITA WELLS  
CAUSE: 179-8



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

OPERATOR: ENRON OIL & GAS CO.  
WELL NAME & NUMBER: CWU 335-2F  
API NUMBER: 43-047-33629  
LEASE: STATE \_\_\_\_\_ FIELD/UNIT: CHAPITA WELLS UNIT  
LOCATION: 1/4, 1/4 NW/NW SEC: 2 TWP: 9S RNG: 22E  
1122' F W L 761' F N L  
LEGAL WELL SITING: Board Spaced area requiring  
460 Setback unit boundary.  
GPS COORD (UTM): 12635351E 4436749N  
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS: ED TROTTER (ENRON), DAVID HACKFORD (DOGM).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY:**

SITE IS IN AN AREA OF ROLLING HILLS WITH SHALLOW DRAWS DRAINING TO THE NORTHWEST. WHITE RIVER IS THREE MILES TO THE SOUTHWEST.

**SURFACE USE PLAN:**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING. HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 325' BY 246' AND ACCESS ROAD WOULD BE 0.15 MILES.

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

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: \_\_\_\_\_  
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. GAS PIPELINE WILL FOLLOW ACCESS ROAD.

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

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: NATIVE GRASSES, GREASEWOOD, PRICKLY PEAR, CHEAT GRASS, SHADSCALE: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN.

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 ANY INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

**RESERVE PIT:**

CHARACTERISTICS: 158' BY 75' AND 8' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL BE NOT REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN:**

AS PER S.I.T.L.A.

**SURFACE AGREEMENT: AS PER S.I.T.L.A.**

**CULTURAL RESOURCES/ARCHAEOLOGY: SITE HAS BEEN INSPECTED BY JIM TRUESDALE, AN INDEPENDENT ARCHAEOLOGIST. A COPY OF HIS REPORT WILL BE PLACED ON FILE.**

**OTHER OBSERVATIONS/COMMENTS:**

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A HOT SUMMER DAY.

**ATTACHMENTS:**

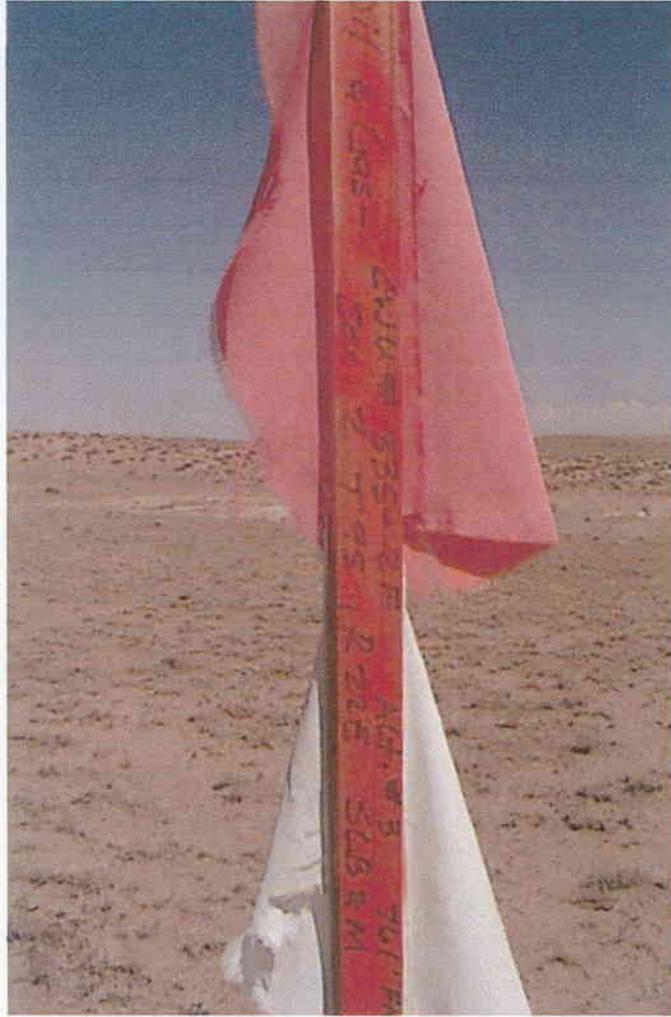
PHOTOS OF SITE WILL BE PLACED ON FILE.

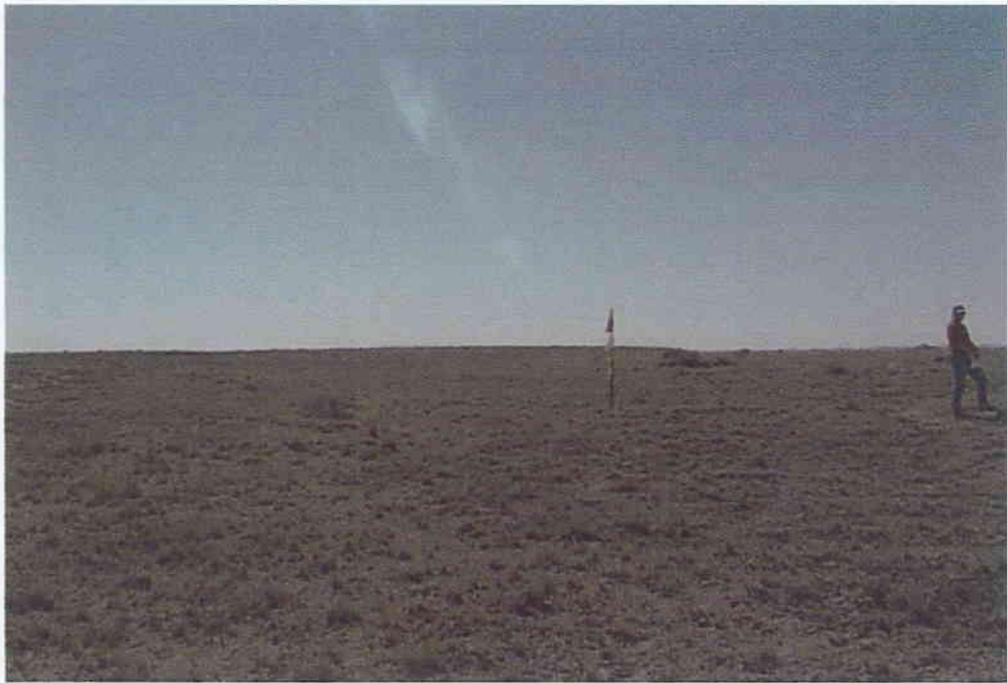
DAVID W. HACKFORD  
DOGM REPRESENTATIVE

7/25/00 11:30 AM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and On-site Pit Liner Requirements**

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



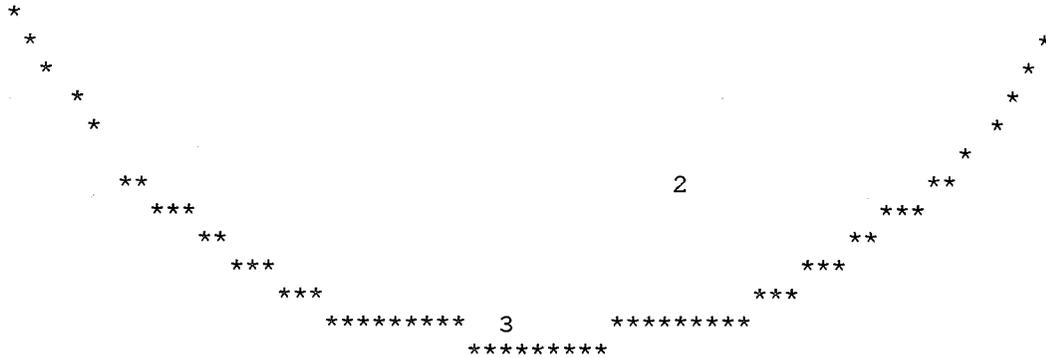












UTAH DIVISION OF WATER RIGHTS  
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO	POINT OF DIVERSION DESCRIPTION
				DIAMETER DEPTH YEAR LOG	NORTH EAST CNR SEC TWN RNG B&M
0	49 1430	.0000	.25	Section 34 Reservoir	S 391 W 598 N4 34 8S 22E SL
				USA Bureau of Land Management	PRIORITY DATE: 06/29/19 Vernal
1	43 680	.0000	.00	Tributary to Lake Canyon Strea	N 300 W 2100 E4 35 8S 22E SL
				First National Land Reserve Corporation	PRIORITY DATE: 10/18/18 West Valley City
2	49 647	.0000	.30	Southwest Cayote Wash Reservoir	N 600 E 2350 W4 11 9S 22E SL
				USA Bureau of Land Management	PRIORITY DATE: 00/00/18 Salt Lake City
3	49 648	.0000	.25	Southwest Cayote Wash Reservoir	N 1200 W 600 SE 10 9S 22E SL
				USA Bureau of Land Management	PRIORITY DATE: 00/00/18 Salt Lake City

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

Operator Name: ENRON OIL & GAS CO.

Well Name & Number: CWU 335-2F

API Number: 43-047-33629

Location: 1/4,1/4 NW/NW Sec. 2 T. 9S R. 22E

Geology/Ground Water:

Enron has proposed setting 200-220 feet of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be at 1300 feet. A search of Division of Water Rights records indicates no water wells are located within a 10,000 foot radius of the center of Section 2. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of interbedded sandstones and shales. The sandstones are not generally continuous over a large area and should not constitute a significant aquifer. The proposed surface casing should adequately protect any useable ground water.

Reviewer: Brad Hill

Date: 8/1/2000

Surface:

The pre-drill investigation of the surface was performed on 7/25/2000. Site is on state land. SITLA was notified of this investigation on 7/17/2000. They did not have a representative present. Site is not a legal location per general state siting rule. Enron requests exception spacing for topographic reasons. This site appears to be the best spot for a location in the immediate area. Ground has very little natural cover.

Reviewer: David W. Hackford

Date: 7/27/00

Conditions of Approval/Application for Permit to Drill:

None

Well name:	<b>8-00 EOG CWU 335-2F</b>	
Operator:	<b>EOG</b>	Project ID:
String type:	Surface	43-047-33629
Location:	Uintah Co.	

**Design parameters:**

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

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 78 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 220 ft

**Burst:**  
 Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.442 psi/ft  
 Calculated BHP 97 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: 193 ft

**Re subsequent strings:**  
 Next setting depth: 6,300 ft  
 Next mud weight: 8.500 ppg  
 Next setting BHP: 2,782 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 6,300 ft  
 Injection pressure 6,300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	220	9.625	32.30	H-40	ST&C	220	220	8.876	13.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	96	1370	14.27	97	2270	23.37	6	254	40.77 J

Prepared RJK  
 by: Utah Dept. of Natural Resources

Date: August 9,2000  
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 220 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

Well name:	<b>8-00 EOG CWU 335-2F</b>	
Operator:	<b>EOG</b>	Project ID:
String type:	Production	43-047-33629
Location:	Uintah Co.	

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<u>Collapse</u>	<u>Collapse:</u>	H2S considered? No
Mud weight: 8.600 ppg	Design factor 1.125	Surface temperature: 75 °F
Design is based on evacuated pipe.		Bottom hole temperature: 167 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 220 ft
	<u>Burst:</u>	Cement top: 1,753 ft
	Design factor 1.00	
<u>Burst</u>		
Max anticipated surface pressure: 0 psi	<u>Tension:</u>	Non-directional string.
Internal gradient: 0.447 psi/ft	8 Round STC: 1.80 (J)	
Calculated BHP 2,944 psi	8 Round LTC: 1.80 (J)	
No backup mud specified.	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	
	Body yield: 1.50 (B)	
	Tension is based on buoyed weight.	
	Neutral point: 5,746 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	6590	4.5	10.50	J-55	ST&C	6590	6590	3.927	137.7
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	2944	4010	1.36	2944	4790	1.63	60	132	2.19 J

Prepared RJK  
by: Utah Dept. of Natural Resources

Date: August 9,2000  
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Collapse is based on a vertical depth of 6590 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.  
Burst strength is not adjusted for tension.

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

8-00 EOG CWU 335-2F

Casing Schematic

Surface

9-5/8"  
MW 8.4  
Frac 19.3

TOC @  
397.

TOC @  
0.  
Surface  
220. MD

25%

30%

Cement TOPS  
w/ — %  
hole washout

4-1/2"  
MW 8.6

Production  
6590. MD



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

August 10, 2000

EOG Resources, Inc.  
PO Box 1815  
Vernal, UT 84078

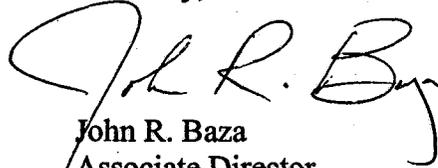
Re: Chapita Wells Unit 335-2F Well, 761' FNL, 1122' FWL, NW NW, Sec. 2, T. 9 South,  
R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33629.

Sincerely,

  
John R. Baza  
Associate Director

er

Enclosures

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

Operator: EOG Resources Inc.  
Well Name & Number Chapita Wells Unit 335-2F  
API Number: 43-047-33629  
Lease: ML-3077

Location: NW NW Sec. 2 T. 9 South R. 22 East

### Conditions of Approval

1. **General**

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

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following 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
- Robert Krueger at (801) 538-5274 (plugging)
- 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. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
**DRILL**  **DEEPEN**   
b. TYPE OF WELL  
Oil Well  Gas Well  Single Zone  Multiple Zone

5. Lease designation and serial number  
**ML-3077**  
6. If Indian, Allottee or Tribe name  
**N/A**

7. Unit Agreement Name  
**CHAPITA WELLS UNIT**

8. Farm or lease name, well no.  
**CHAPITA WELLS UNIT**

2. Name of Operator  
**EOG RESOURCES, INC.**

9. API Well no.  
**CWU 335-2F**

3. Address and Telephone Number  
**P.O. BOX 1815, VERNAL, UT 84078 (435)789-0790**

10. Field and pool, or wildcat  
**CWU/WASATCH**

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface **761' FNL & 1122' FWL LOT 4**  
At proposed prod. Zone

11. Sec., T., R., M., or BLK. and survey or area  
**SEC. 2, T9S, R22E**

14. Distance in miles and direction from nearest town or post office  
**17 MILES SOUTHEAST OF OURAY, UTAH**

12. County or parish  
**UINTAH**

13. State  
**UTAH**

15. Distance from proposed location to nearest property or lease line, ft.  
**761'**  
(Also to nearest drig. Unit line, if any)

16. No. of acres in lease  
**640**

17. No. of acres assigned to this well  
**40**

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth  
**6590'**

20. Rotary or cable tools  
**ROTARY**

21. Elevations (show whether DF, RT, GR, etc.)  
**4840 FEET GRADED GROUND**

22. Approx. date work will start  
**AUGUST 2000**

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	200' - 220'	100-150 SX CLASS "G" + 2%
or 12 1/4"	9 5/8"	32.30#	200 - 220'	CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	4 1/2"	10.50#	6590'	50/50 POXMIX: 1.3 Cu Ft/SX.

- SEE ATTACHMENTS FOR:
- 8 POINT PLAN
  - BOP SCHEMATIC
  - SURFACE USE AND OPERATING PLAN
  - LOCATION PLAT
  - LOCATION LAYOUT
  - TOPOGRAPHIC MAPS "A", "B", AND "C"
  - GAS SALES PIPELINE—MAP "D"
  - FACILITY DIAGRAM

**CONFIDENTIAL**

EOG RESOURCES, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND # JP 0921

**RECEIVED**  
AUG 2 2 2000

Pc: UTAH DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED [Signature] TITLE Agent DATE 7-10-2000

(This space for Federal or State office use)

PERMIT NO. 43-047-33629 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**ACCEPTED BY BLM FOR UNIT PURPOSES ONLY**

**AUG 1 7 2000**

006M

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EOG RESOURCES COMPANY

Well Name: CWU 335-2F

Api No. 43-047-33629 LEASE TYPE: STATE

Section 02 Township 09S Range 22E County UINTAH

Drilling Contractor DAL COOK RIG # AIR

SPUDDED:

Date 09/08/2000

Time 9:00 AM

How DRY

Drilling will commence \_\_\_\_\_

Reported by ED TROTTER

Telephone # 1-435-789-4120

Date 09/08/2000 Signed: CHD

ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SEC.	TP	RG			
A	99999	4905	43-047-33628	NORTH CHAPITA 110-32	SW/SE	32	BS	22E	UINTAH	8/23/2000	
1 COMMENTS: 9-15-00 <b>CONFIDENTIAL</b>											
A	99999	12916	43-047-33669	NORTH CHAPITA 136-33	SW/SW	33	8S	22E	UINTAH	9/16/00	
2 COMMENTS: 10-11-00 <b>CONFIDENTIAL</b>											
B	99999	4905	43-047-33629	CHAPITA WELLS UNIT 335-2F	LOT 4	2	9S	22E	UINTAH	9/8/00	
3 COMMENTS: 10-11-00 <b>CONFIDENTIAL</b>											
B	99999	4905	43-027-33637	CHAPITA WELLS UNIT 597-3F	LOT 1	3	9S	22E	UINTAH	9/21/2000	
4 COMMENTS: 10-11-00 <b>CONFIDENTIAL</b>											
5 COMMENTS:											

ACTIONS CODES (See instructions on back of form)

- 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

STATE OF UTAH

Kate Carlson  
 Signature  
 Regulatory Analyst  
 Title

9/15/2000  
 Date

Phone No. (307) 276-3331

OPERATOR ACCT. NO. N

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget No. 1004-0135  
Expires September 30, 1990

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals  
SUBMIT IN TRIPLICATE

1. Type of Well

Oil WELL  Gas Well  Other

CONFIDENTIAL

2. Name of Operator

EOG Resources, Inc.

3. Address and Telephone No.

P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331

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

761' FNL - 1122' FWL (LOT 4)  
SECTION 2, T9S, R22E

5. Lease Designation and Serial No.  
ML 3077

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation  
CHAPITA WELLS UNIT

8. Well Name and No.

CHAPITA WELLS UNIT 335-2F

9. API Well No.

43-047-33629

10. Field and Pool or Exploratory Area  
CHAPITA WELLS/WASATCH

11. County State  
UINTAH, UTAH

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

TYPE OF SUBMISSION

TYPE OF ACTION

NOTICE OF INTENT  
 SUBSEQUENT REPORT  
 FINAL ABANDONMENT NOTICE

ABANDONMENT  
 RECOMPLETION  
 PLUGGING BACK  
 CASING REPAIR  
 ALTERING CASING  
 OTHER

CHANGE OF PLANS  
 NEW CONSTRUCTION  
 NON-ROUTINE FRACTURING  
 WATER SHUT-OFF  
 CONVERSION TO INJECTION  
 DISPOSAL OF PRODUCED WATER

(Note: Report results of multiple completion on Well Completions  
or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

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. EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit)

RECEIVED

NOV 27 2000

DIVISION OF  
OIL, GAS AND MINING

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

\*NOTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

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

SIGNED Katy Carlson TITLE Regulatory Analyst DATE 11/21/2000

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**CONFIDENTIAL**  
Expires August 31, 2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
ML 3077  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
CHAPITA WELLS UNIT  
8. FARM OR LEASE NAME  
CHAPITA WELLS UNIT  
9. WELL NO.  
335-2F  
10. FIELD AND POOL, OR WILDCAT  
CHAPITA WELLS/WASATCH  
11. SEC., T., R., M., OR BLOCK AND SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:  
OIL WELL  GAS WELL  DRY  OTHER   
b. TYPE OF COMPLETION:  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF.RES.  OTHER

2. NAME OF OPERATOR  
EOG Resources, Inc.

3. ADDRESS OF OPERATOR  
P.O. BOX 250 BIG PINEY, WYOMING 83113  
12. COUNTY OR PARISH UTAH, 13. STATE UTAH

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 761' FNL - 1122' FWL (LOT 4)  
At top prod. interval reported below SAME  
At total depth SAME  
14. PERMIT NO. 43-047-33629  
DATE PERMIT ISSUED 8/10/2000

15. DATE SPUDDED 9/08/2000 16. DATE T.D. REACHED 9/29/2000 17. DATE COMPL. (Ready to prod.) 10/18/2000 18. ELEVATIONS (OF HOLE, ETC.) 4855' KB 19. ELEV. CASINGHEAD 4840' PREP. GL.

20. TOTAL DEPTH, MD & TVD 6490' 21. PLUG BACK T.D., MD & TVD 6465' 22. IF MULTIPLE COMPLETIONS, HOW MANY? 1 23. ROTARY TOOLS ROTARY 24. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*  
WASATCH 5695' - 6340'  
25. WAS DIRECTIONAL SURVEY MADE? NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Dipole Sonic Imager, Compensated Neutron, GR, Dipole Sonic Imager, Compensated Neutron, Log Quality Control and Cement Bond Log, GR-10-5-02  
27. WAS WELL CORED? NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.0# J-55	237'	12-1/4"	100 sx Class "G" cement.	NONE
4-1/2"	10.5# J-55	6486'	7-7/8"	400 sx Hi-Lift & 500 sx 50/50 Pozmix.	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6360'	

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Depth	SPF
Wasatch C-13 (Basal)		6331-40'	w/3 SPF
C-11 (Ch & Cj)		6110-13', 6151-58' & 6161-66'	w/3 SPF
C-5 (Ca)		5695-97', 5707-09', 5718-23' & 5730-33'	w/2 SPF

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6331-6340'	14,153 gals gelled water & 58,000# 20/40 sand.
6110-6166'	18,060 gals gelled water & 85,000# 20/40 sand.
5695-5733'	21,042 gals gelled water & 99,540# 20/40 sand.

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (Producing or shut-in)
10/18/2000	FLOWING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR	OIL BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
10/26/2000	24	14/64"		5 BC	1598 MCFD	6 BW	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)
FTP 1250 psig	CP 1390 psig		5 BC	1598 MCFD	6 BW	

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)  
SOLD  
TEST WITNESSED BY  
JAY ORR

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED Daty Carlson TITLE Regulatory Analyst DATE 11/21/2000

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** *None:* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by its application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 25 U.S.C. et. seq., 43 CFR 3160

**PRINCIPLE PURPOSE:** The information is to be used to evaluate the actual operations performed in the drilling of an oil or gas well on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the drilling of the well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and producing oil and gas on Federal and Indian oil and gas leases.

This information will be used to analyze operations and compare equipment and procedures actually used with the proposals applied for.

Response to this request is mandatory once an oil or gas well is drilled.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core intervals; and all open stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Green River		2172'	
			Base "M" Marker		4685'	
			"N" Limestone		4934'	
			Wasatch			
			Peter's Point		5128'	
			P-4 (Pb)		5290'	
			P-8 (Pf)		5529'	
			Chapita Wells		5693'	
			C-5 (Ca)		5693'	
			C-11 (Ch)		6109'	
			C-11 (Cj)		6149'	
			C-13 (C Basal)		6329'	
			Buck Canyon		6412'	