

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-036224
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Coal Seam SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR EOG (New Mexico) Inc. 26782		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NO. 621 17th St., Suite #1800, Denver, CO. 80293 (303) 293-9999		8. FARM OR LEASE NAME, WELL NO. 14836 Crane Federal #4 Coal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface NW SW 1150 FWL & 1700 FSL At proposed prod. zone		9. AM WELL NO. 30-039-25390
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 Miles North of Cuba, NM		10. FIELD AND POOL, OR WILDCAT So. Blanco Pictured Cliffs
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 1700 FSL (1150 FWL)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 716.29
16. NO. OF LOTS IN NEAREST OIL AND GAS ACRES ASSIGNED TO THIS WELL 1300		12. COUNTY OR PARISH Rio Arriba
17. PROPOSED DEPTH 3300		13. STATE NM
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 390		14. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7594' GR		22. APPROX. DATE WORK WILL START* 3/15/94

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8 J-ERW	36	100	100 sx Lite
8-3/4	7 J or K-ERW	23	3243	300 sx 50/50 Pozmix
6-1/4	OH			6x10 SX

Underream 3243-3300' 6-1/4-12-1/4" hole. Cavitate coal @ 3276-3288' with bore hole mining tool. Open completion 3243-3300'.

EXHIBITS ATTACHED

"A" Drilling Program	"H" BOPE Diagram
"B" Surface Use Program	"I" Cultural Resource Inventory - will be submitted at a later date
"C" Geological Prognosis	"J" Evidence of Bond Coverage

"D" Survey Plat
"E" Pad Layout
"F" Vicinity Road Map
"G" Topographical Map

SELF CERTIFICATION: I hereby certify that EOG (New Mexico) Inc. is authorized, by proper lease interest owner, to conduct operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is provided by Amwest Surety Insurance Company as surety under Bond #1155664, who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

cc: NMOC

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 geology and proposed true vertical depths. Give blowout preventer program, if any.

24. SIGNED Connie Smith TITLE Sr. Engineering Tech. DATE 2/22/94
MAY - 5 1994

(This space for Federal or State office use)

PERMIT NO. OIL CON. DIV. APPROVAL DATE APR 19 1994

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 (Original Signed) HECTOR A. VILLALOBOS AREA MANAGER
RIO PUERCO RESOURCE AREA
APR 19 1994

*See Instructions On Reverse Side

State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

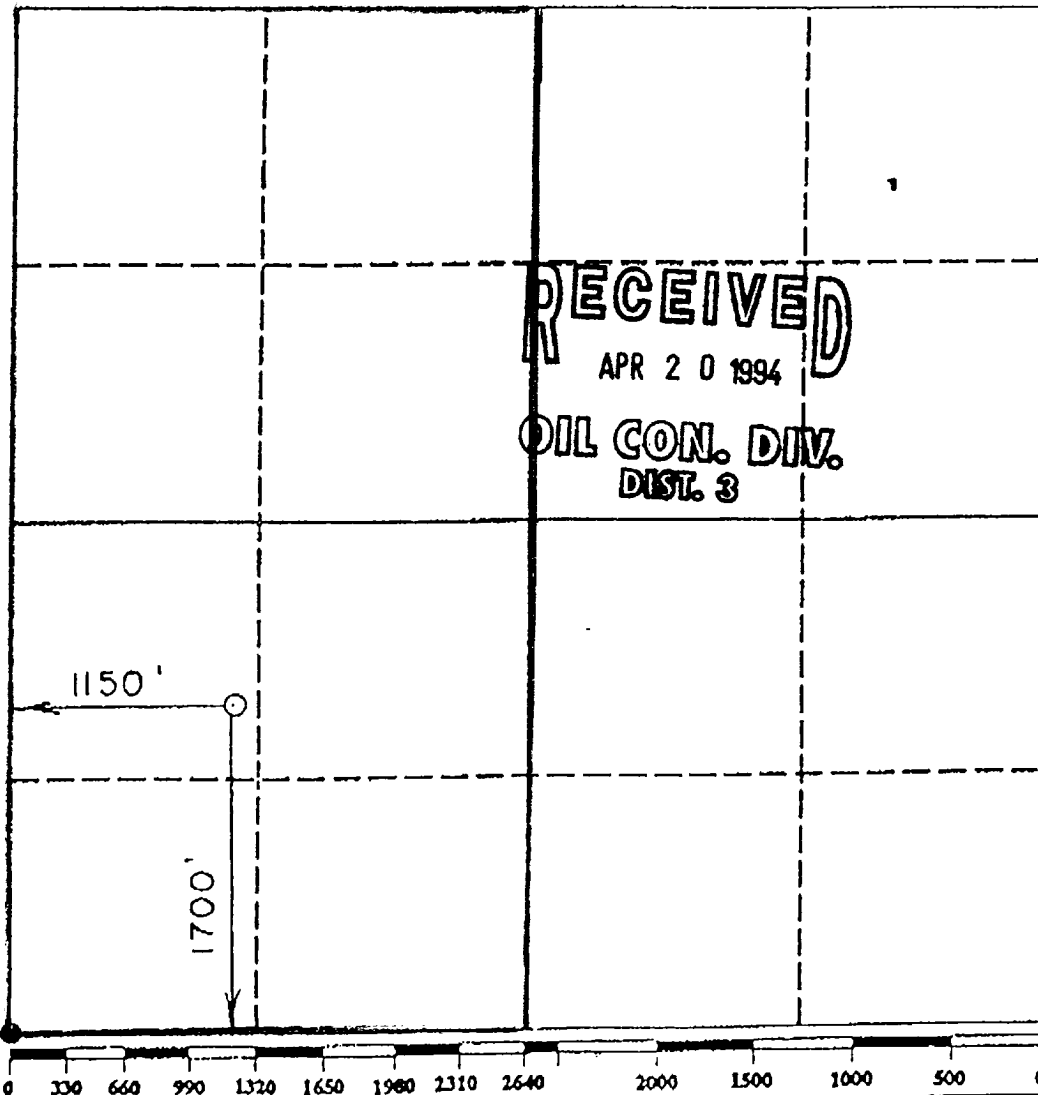
EOG (New Mexico) Inc.
Crane Federal #4 Coal
NWSW Section 32-T24N-R1W
Rio Arriba County, New Mexico
Exhibit "D"

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ENSIGN OIL & GAS, INC.			Lease CRANE FEDERAL COAL		Well No. COAL #4
Unit Letter L	Section 32	Township 24 N.	Range 1 W.	County NMNM RIO ARRIBA	
Actual Footage Location of Well: 1700 feet from the SOUTH line and 1150 feet from the WEST line					
Ground level Elev. 7594'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☒ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Conni Smith

Printed Name

Conni Smith

Position

Sr. Engineering Tech.

Company

EOG (New Mexico) Inc.

Date

5/2/94

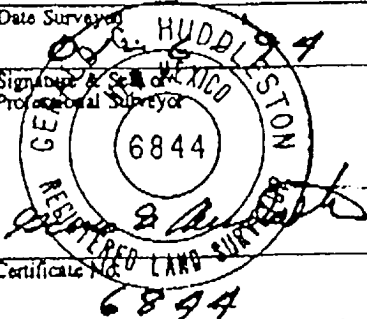
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature of Professional Surveyor

Certificate No.



EOG (NEW MEXICO) INC.

EOG (New Mexico) Inc.

Crane Federal #4 Coal

NWSW Section 32-T24N-R1W

Rio Arriba County, New Mexico

Exhibit "G"

