

O.C.D. COPY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23135

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Marbob Energy Corp. ✓

3. ADDRESS OF OPERATOR
 P. O. Box 304, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 330' FSL & 1650' FWL of Sec. 33
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 18 miles east-southeast of Artesia, N. M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE 80

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. 933'

19. PROPOSED DEPTH 3000' (San Andres)

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3544 G.L.

22. APPROX. DATE WORK WILL START* Jan. 9, 1980

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5. LEASE DESIGNATION AND SERIAL NO.
 IG 046044

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 -

8. FARM OR LEASE NAME
 Perry Leonard - ~~Fed.~~

9. WELL NO.
 4

10. FIELD AND POOL, OR WILDCAT
 Loco Hills P-1 2H

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
 33-17S-29E

12. COUNTY OR PARISH | 13. STATE
 Eddy | N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	20#	250-275	Circ
7 7/8"	4 1/2"	10.5#	TD	225 sacks

Selectively perforate and treat all pay zones

Attached are: Survey Plat (C-102)
 Supplemental Drilling Data
 Surface Use Plan

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 U.S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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.

24. SIGNED James A. Knaut TITLE Agent DATE 12-26-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 1-17-80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-128
Effective 12-65

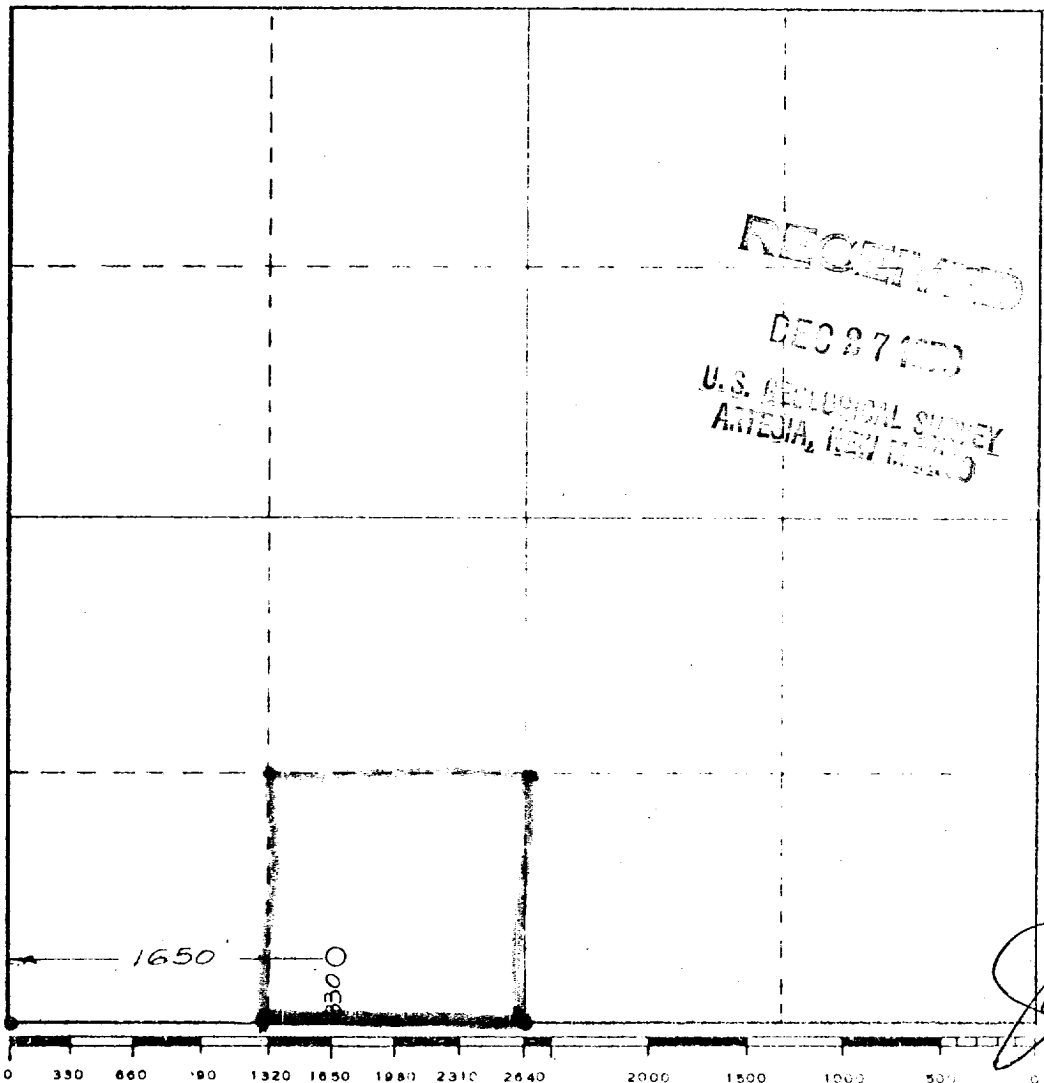
All distances must be from the outer boundaries of the Section

Operator MARBOB ENERGY CORPORATION		Lease PERRY LEONARD SEVERAL		Well No. 4
Unit Letter N	Section 33	Township 17 South	Range 29 East	County EDDY
Actual Footage Location of Well: 330 feet from the South line and 1650 feet from the West line.				
Ground Level Elev. 3544 (USGS DATUM)	Producing Formation Grayburg-San Andres	Locality Loco Hills Q-S SA	Section A corner 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or **RECEIVED** 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
ARTESIA, OFFICE
- 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 interests, has been approved by the Commission.



CERTIFICATION

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

James A. Knauf
James A. Knauf
Agent

Marbob Energy Corp.

December 26, 1979

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.

December 19, 1979

John W. Shear
John W. Shear

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United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

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JAN 18 1980

O. C. D.
ARTESIA, OFFICE

January 17, 1980

Marbob Energy Corporation
P. O. Box 304
Artesia, New Mexico 88210

MARBOB ENERGY CORPORATION
Perry Leonard Fed No. 4
330 FSL 1650 FWL Sec. 33 T.17S R.29E
Eddy County Lease No. LC 046044

Gentlemen:

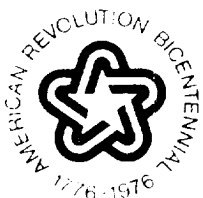
Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 3000 feet to test the San Andres formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
3. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
5. Cement behind the 8-5/8" casing must be circulated.
6. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

George H. Stewart
Acting District Engineer



SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION
WELL #4 PERRY LEONARD FEDERAL
330' FSL & 1650' FWL SEC. 33-17S-29E

1. SURFACE FORMATION: Sandy soils of Quaternary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	330
Base Salt	745
Yates	915
Queen	1915
San Andres	2775

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Water	155 - 185
Oil	2455 - 3000

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing and cementing program is shown on form 9-331 C

5. PRESSURE CONTROL EQUIPMENT:

Blowout preventer stack will consist of a 3000 psi W. P. Double Hydraulic Ram-Type preventer.

6. CIRCULATING MEDIUM:

0 to 250 feet: Fresh water with native muds.

250 to 2900 feet: Water with native muds.

2900 to 3000 feet: Sweep hole with salt water gel conditioning mud to 36 viscosity.