

Form 3160-3
(July 1989)
(formerly 9-331C)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RFL
OFFICE FOR MINER
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
MDO-3160-2

30-025-31137

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 Maralo, Inc.
3a. Area Code & Phone No. (915)684-7441

3. ADDRESS OF OPERATOR P.O. Box 832, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 600' FWL & 1980' FNL Section 12, T22S-R32E
At proposed prod. zone 660' Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 27 miles West of Eunice, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'
16. NO. OF ACRES IN LEASE 480
17. NO. OF ACRES ASSIGNED TO THIS WELL 320
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A
19. PROPOSED DEPTH 15000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3646' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5	J	8-R	1100'±	CIRCULATE
12 1/4"	9 5/8"	36	K-S80	8-R	4750'±	CIRCULATE
8 1/2"	7"	29-26	S-95	8-R	12000'±	
liner: 6 1/8"	4 1/2"	15.1	P-110	FJ-P	11800'-15000'	

1. Cement 13 3/8" casing @ 1100'± with 450 sx class "C" 4% Gel 1/4# Flocele/sx. Tail in with 250 sx class "C" with 2% Cacl. Circulate cement to surface.
2. Cement 9 5/8" casing @ 4750'± with 3600 sx Howco light cement and tail in with 250 sx premium neat cement and circulate to surface.
3. Cement 7" casing @ 12000'± with 1200 sx 50/50 Poz mix cement to fill back to 4600' with 70% excess.
4. Cement 4 1/2" casing liner 11800' to 15000' with 425 sx premium cement. Fill from 15000 to 11800 with 50% excess.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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 Joe T. Janice TITLE Agent DATE 12/11/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 1-10-91
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

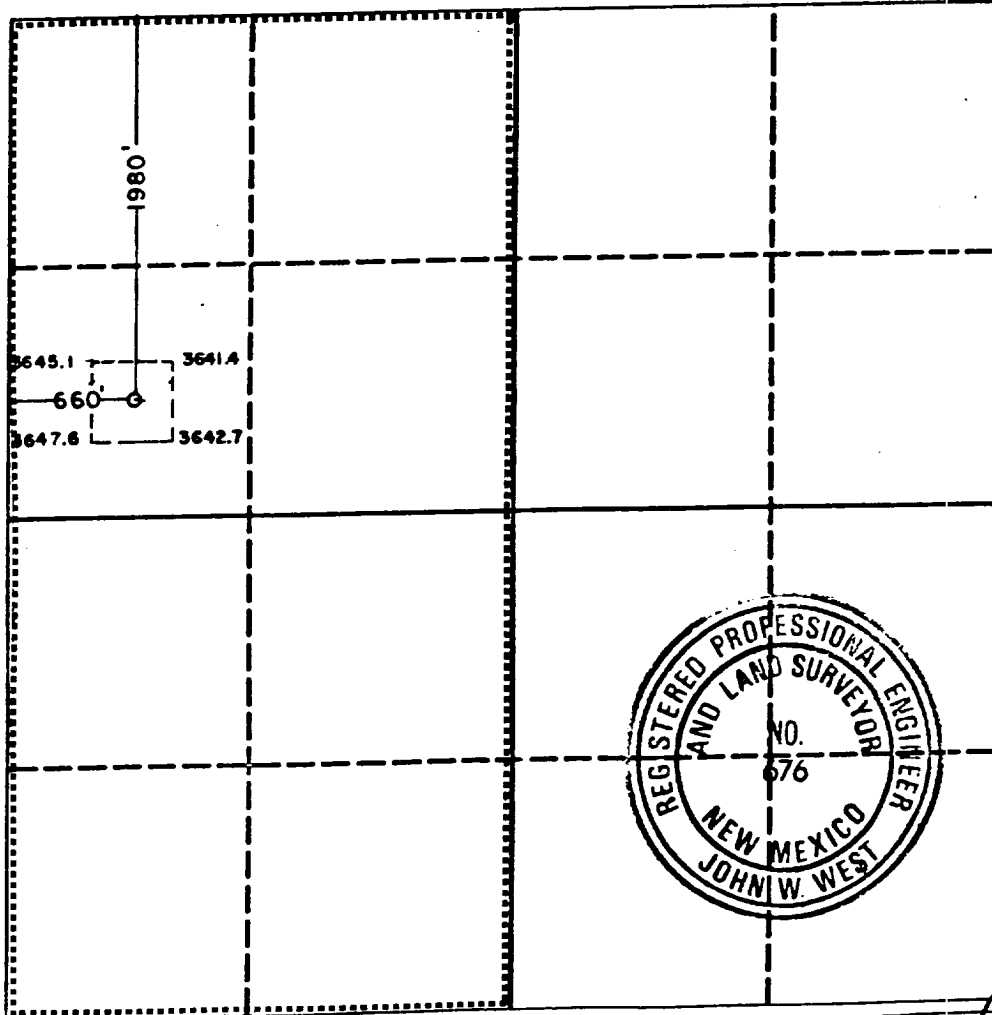
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MARALO, INC.		Lease PROHIBITION FEDERAL UNIT		Well No. 1
Unit Letter E	Section 12	Township 22 SOUTH	Range 32 EAST	County LEA
Actual Footage Location of Well: 660 feet from the WEST line and 1980 feet from the NORTH line				
Ground level Elev. 3645.4	Producing Formation Morrow	Pool Wildcat	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
Joe T. Janica
Printed Name
Joe T. Janica
Position
Agent for Maralo, Inc.
Company
Maralo, Inc.
Date
12/17/90

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
12-7-90
Signature & Seal of Professional Surveyor
John W. West
Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

APPLICATION TO DRILL

Maralo, Inc.
Prohibition Federal Unit Well #1
Sec. 12, Unit "E", T22S-R32E
Lea County, New Mexico

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: 660' FWL, & 1980' FNL Section 12, T22S-R32E, Lea County, New Mexico
2. Elevation Above Sea Level: 3645' GL
3. Geologic Name of Surface Formation: Pleistocene Aeolian deposit
4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 15000'
6. Estimated Geological Marker Tops:

Rustler Anhydrite	950'	Bilbrey Sand	14075'
DMG	4650'	Morrow Clastics	14335'
Bone Springs	8800'	TD	15000'
Wolfcamp	11950'		
Strawn	13000'		
Atoka	13450'		
7. Mineral Bearing Formation: Water bearing-none; gas bearing-possible Atoka and Morrow; Oil bearing-none.
8. Casing Program:
 - (A) Surface casing - 13 3/8" 54.5#
 - (B) Intermediate casing - 9 5/8" 40#
 - (C) Production casing - 7" 26# & 29#
 - (D) Liner casing - 4 1/2" 13.5#
9. Setting depth of casing and cement for same:
 - (A) 13 3/8" 54.5# casing set @ 1100' cement with 1500 sx circulate cement.
 - (B) 9 5/8" 40# casing set @ 4720' cement with 1750 sx circulate cement.
 - (C) 7" 26# & 29# casing set @ 12000' cement with 2000 sx.
 - (D) 4 1/2" Liner 13.5# set @ 11800'-15000' cement with 600 sx.

PROPOSED BOPE AND CHOKE ARRANGEMENT

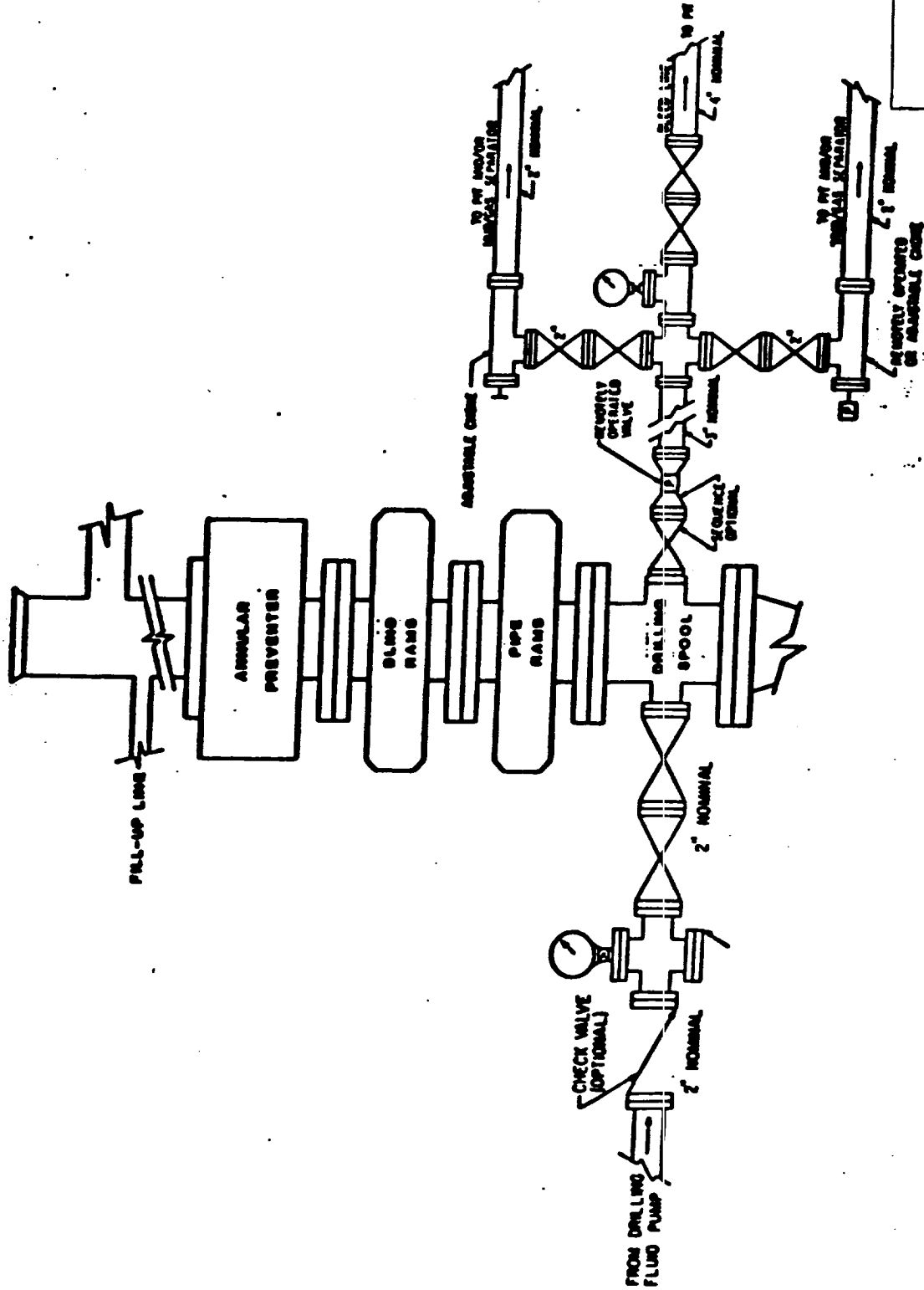


EXHIBIT "E"

BOP sketch of the type to be used on Maralo, Inc. Prohibition Federal Unit Well #1 660' FWL & 1980' FNL Sec. 12, T22S-R32E Lea County, New Mexico

Box 1-1392

ELF

1681 9 1 1991

Box 1-1392