

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-025-27167

5. LEASE DESIGNATION AND SERIAL NO.
NM-12697

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FRAZIER FEDERAL

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 23, T. 24 S., R. 35 E.

12. COUNTY OR PARISH | 13. STATE
LEA | NEW MEXICO

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.

3. ADDRESS OF OPERATOR
P. O. BOX 832, MIDLAND, TEXAS 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1980' FSL AND 660' FEL OF SECTION 23
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 MILES NORTHWEST OF JAL, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
660'

16. NO. OF ACRES IN LEASE
360

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.
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19. PROPOSED DEPTH
4200'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3366.2 GR

22. APPROX. DATE WORK WILL START*
NOVEMBER 10, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# K-55	1400'	SUFFICIENT TO CIRCULATE
7-7/8"	5-1/2"	14# H-40	4200'	600 SACKS

PRODUCING ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.

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HOBBS, NEW MEXICO

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCH
SURFACE USE AND OPERATIONS PLAN

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 Arthur R. Brown Agent for MARALO, INC. DATE OCTOBER 21, 1980
Arthur R. Brown TITLE

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (Orig. Sgd.) GEORGE H. STEWART ACTING DISTRICT ENGINEER DATE NOV 17 1980
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE _____

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-120
Effective 1-4-85

All distances must be from the outer boundaries of the Section.

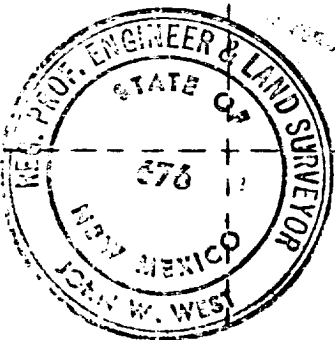
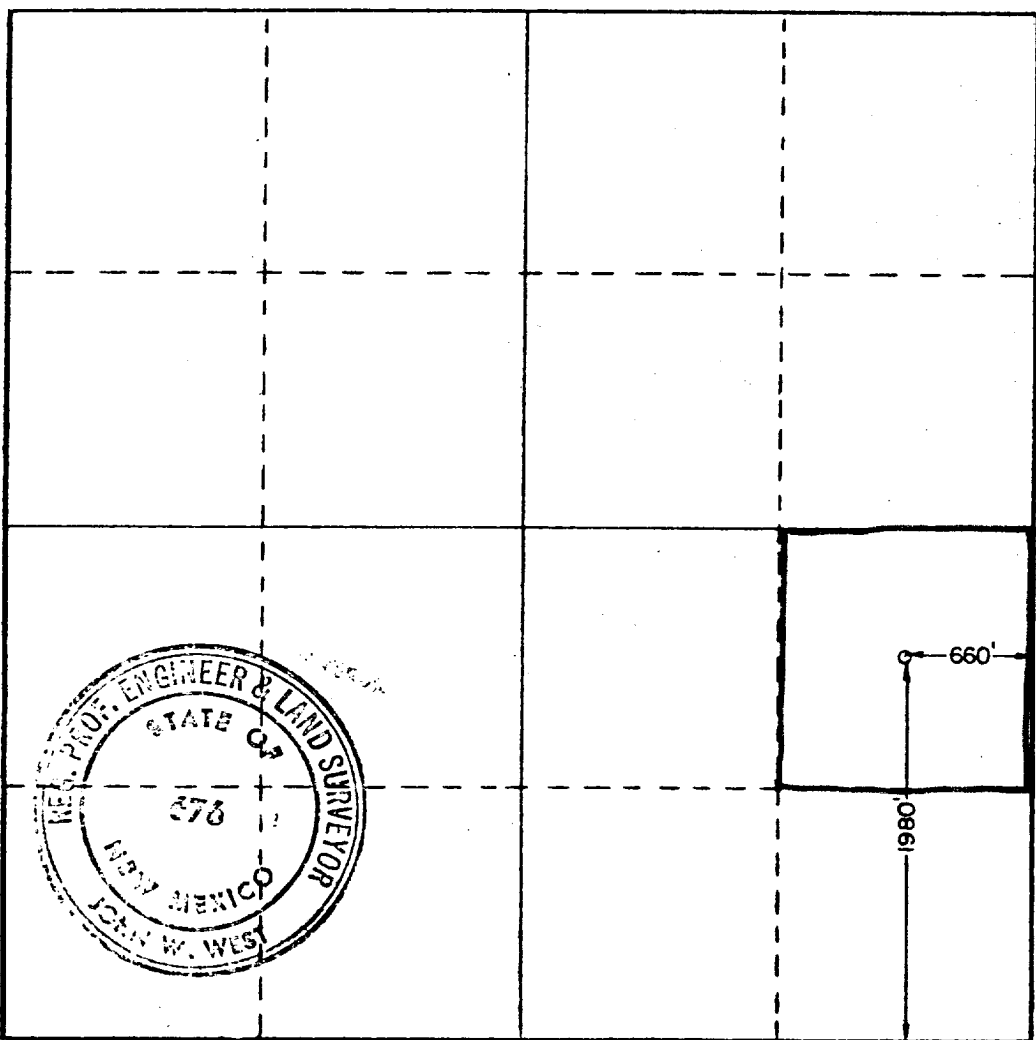
Operator Maralo, Inc.,		Lease Frazier Federal			Well No. 1
Unit Letter 1	Section 23	Township 24 South	Range 35 East	County Lea	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the East line					
Ground Level Elev. 3366.2	Producing Formation TANSIL-YATES-SEVEN RIVERS		Pool WILDCAT	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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?

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.

Name: *Arthur R. Brown*
Arthur R. Brown

Position: Agent for

Company: MARALO, INC.

Date: OCTOBER 17, 1980

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: 10-10-80

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 678
PATRICK A. ROMERO 6688
Ronald J. Eidson 3239



SUPPLEMENTAL DRILLING DATA

MARALO, INC.
WELL NO. 1 FRAZIER FEDERAL

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler	1350
Base Salt	3450
Yates	3600
Reef	3850

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	Above 300 feet
Oil	Tansill
Oil	Yates
Oil	Seven Rivers

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
8-5/8"	0	1400	24#	K-55	STC
5-1/2"	0	4200	14#	H-40	STC

8-5/8" casing will be cemented with sufficient "Light" cement, tailed in with 300 sacks of Class "C", to circulate.

5-1/2" casing will be cemented approximately 600 sacks of Class "H". Cement to fill to base of salt section.

Equal or better grades of casing may be substituted, depending on availability.

Cement quantities and additives may be varied to best suit hole conditions at time casing is run.

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5. PRESSURE CONTROL EQUIPMENT:

A 3000 psi working pressure, double ram type preventer will be used while drilling below the surface casing.

A sketch of the BOP stack is attached.

6. CIRCULATING MEDIUM:

Surface to 1400 feet: Fresh water with gel or lime as needed for viscosity control.

1400 feet to Total Depth: Brine water conditioned as necessary for control of viscosity, water-loss and pH. Weighted as necessary for well control.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor in the open position while drilling operations are in progress.

8. TESTING, CORING AND LOGGING PROGRAMS:

Drill stem tests will be made when samples, drilling time and other data indicate a test is warranted.

It is planned that electric logs will include a CNL and Gamma Ray.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

No abnormal pressures or temperatures are anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence on or about November 10, 1980, with drilling and completion operations lasting about 30 days.

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