

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Mesa Petroleum Company

3. ADDRESS OF OPERATOR

P.O. Box 2009, Amarillo, Texas 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface1190' FNL & 2110' FWL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles N.E. of Aztec, New Mexico

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

1061.34

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 A/320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5550'

20. ROTARY OR CABLE TOOLS

Rotary

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

6271 GL

22. APPROX. DATE WORK WILL START*

July, 1, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13 3/8"	48#	200'	200 sacks class "B" + 2% CaCl
12½"	7"	20#	3200'	300 sacks class "B" + 6% gel
6½"	4½" liner	11.6#	5550	100 sacks class "B" + 2% CaCl
				275 sacks 50/50 Poz mix with 2% gel

Move in - rig up rotary tools. Drill 17½" hole to 200 feet and set 200 feet 13 3/8 casing as above. Install blow out preventer and test. Drill 12½" hole to 3200 with native mud of 9# per gallon ±, Vis 35 seconds per quart and w/ ± cc, with appropriate lost circulation material. Set 3200' 7" 20# casing as above. Rig up gas compressor and drill 6½ hole from under 7" intermediate with gas. Drill to 5550 feet and run 4½" liner as above, liner hanger to be pack-off top. Set 200 feet inside 7" casing.

No abnormal pressures are expected.

Gas under this lease is dedicated to a contract.

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 blow preventer program, if any.

24.

SIGNED

John Alexander
(This space for Federal or State office use)

TITLE Agent

DATE

6-14-77

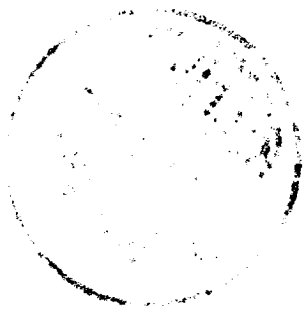
PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
State of New Mexico
1976

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

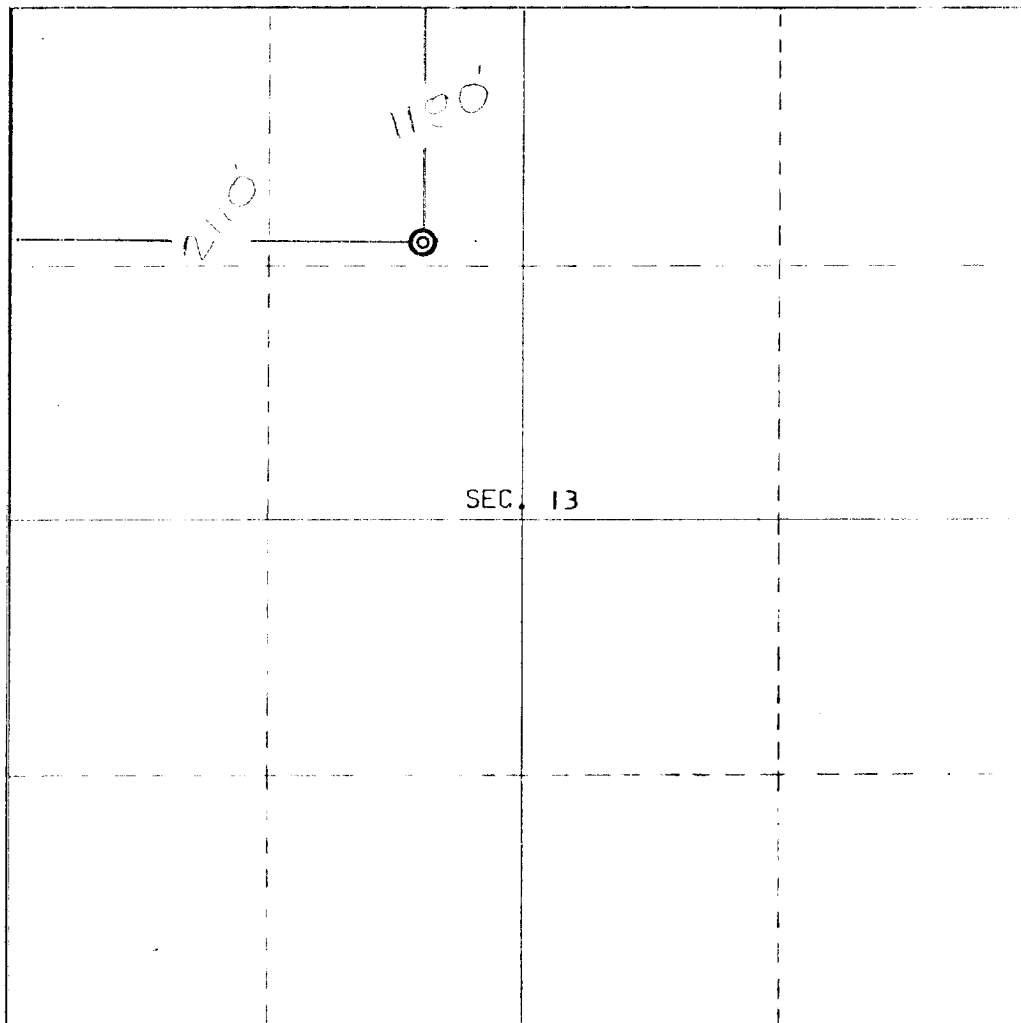
Lessee Mesa Petroleum Co.			Lease Suter		Well No. 1 X
Section C	Range 13	Township 32 North	Range 11 West	County San Juan	
Actual True Location of Well:					
1190 feet from the North line and		2110 feet from the West line			
Recorded Well Elev. 6271	Producing Formation Mesa Verde		Pool Blanco Mesa Verde	Dedicated Acreage 160	

1. Outline the acreage dedicated to the subject well by colored pencil or chalk 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 interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been dated 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 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 correct to the best of my knowledge and belief.

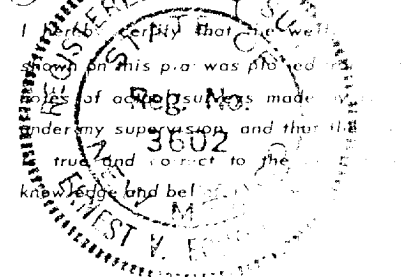
John Alexander

Name
Agent

Position
Mesa Petroleum Company

Company
6-14-77

Date
John Alexander



Date Surveyed
January 17, 1977

Registered Professional Engineer and/or Land Surveyor

E.V. Echols
Certificate No. **3602**
E.V. Echols

Scale: 1" = 400' 0" 1650 1400 2100 2640 2000 1500 1000 600