

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 surface

1850' FNL & 1650' FWL

At proposed prod. zone

Same

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

10 miles north of Aztec, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

6687 GL

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 ₂
12¼"	7"	20#	3200'	300 sacks class "B" + 6% gel,
				100 sacks class "B" + 2% CaCl ₂
6½"	4½" liner	11.6#	5850	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 12¼" hole to 3200 with native mud of 9# per gallon ±, vis 35 seconds per quart and w/ ± 10 cc, with appropriate lost circulation material. Set 3200 feet 7" 20# casing as above. Rig up gas compressor and drill 6½" hole from under 7" intermediate with gas. Drill to 5850 feet and run 4½" liner as above, liner hanger to be pack-off type 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 production, depth of productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true dip. Give blowout 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

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

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

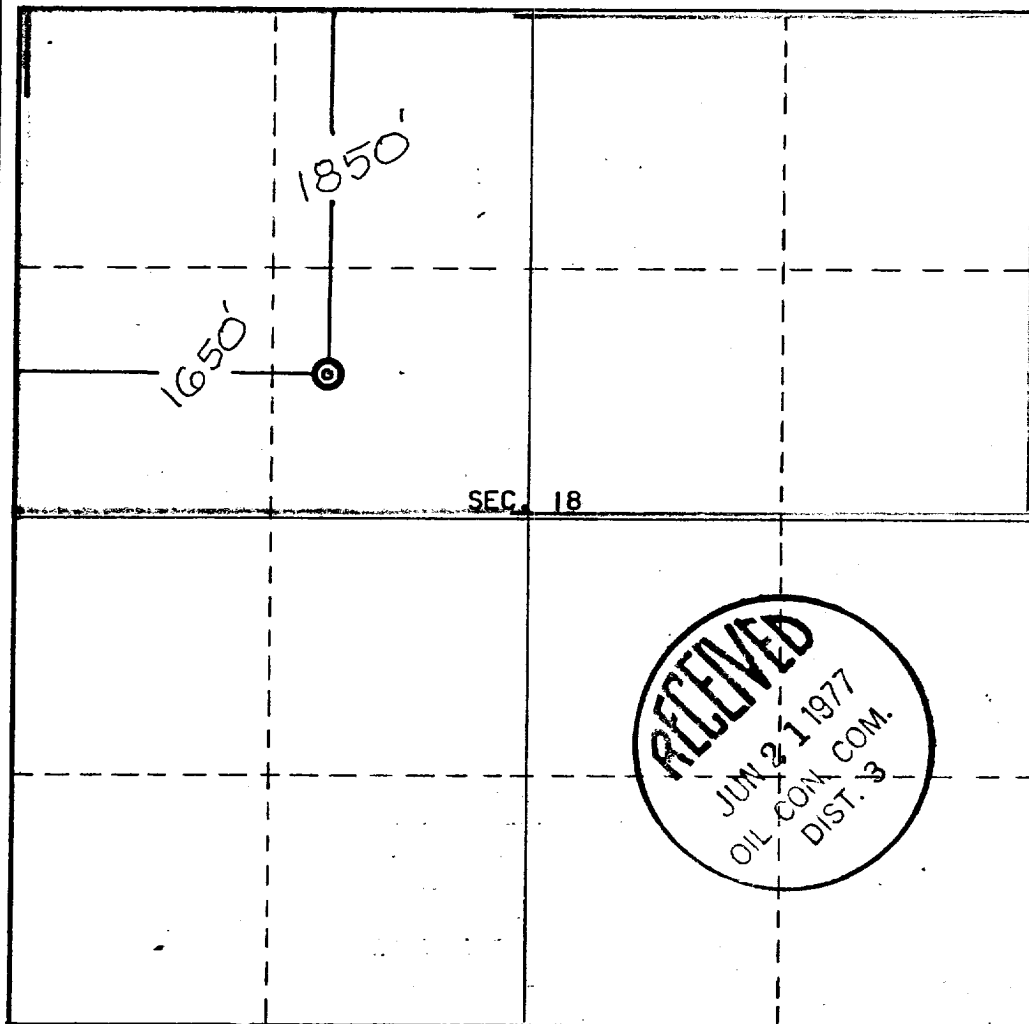
Operator Mesa Petroleum Co.			Lease John S		Well No. 1 A 6
Unit Letter F	Section 18	Township 32 North	Range 11 West	County San Juan ✓	
Actual Footage Location of Well: 1850 feet from the North line and 1650 feet from the West line					
Ground Level Elev: 6687	Producing Formation Mesa Verde		Pool Blanco Mesa Verde ✓		Dedicated Acreage: 100 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.

John Alexander

Name

Agent

Position

Mesa Petroleum Company

Company

6-14-77

Date

John Alexander

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

**REGISTERED LAND SURVEYOR
E.V. ECHOHAWK
No. 3602
NEW MEXICO**

Date Surveyed

January 19, 1977

Registered Professional Engineer
and/or Land Surveyor

E.V. Echhawk

Certificate No. **3602**

E.V. Echhawk LS

