

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

3. ADDRESS OF OPERATOR

Boxx 2009; Amarillo, Texas 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface 1810' 800'
1850' FSL & 790' FEL

At proposed prod. zone

SAME

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

983.65

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5900

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

6610 GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	10 3/4 (new)	40.50	200	400 sk.
8 1/2	7 (new)	23.0	3500	325 sk.
6 1/4	4 1/2 (new)	10.5	5900	320 sk.

Move in and rig up rotary tools.

Drill 17 1/2" hole to 200' using spud mud. Run and cement 10 3/4" surface casing as above. Prior to drilling out from under surface, a 900 series blow out preventer will be installed and tested. Other safety equipment used will be a stabbing valve at the surface and drill pipe float and check valve while gas drilling.

An 8 1/2" hole will be drilled to 3500' using Gel-Chem mud with the following properties: wt. 9.1, vis. 35, w.l. 10±. Open hole logs, IES and FOC-CNL will be run to determine if the Pictured Cliffs is productive. The 7" casing will be run and cemented as above.

A 6 1/4" hole will be gas drilled from under the intermediate to t.d. Open hole logs, Gamma Ray-Induction, and Formation Compensated Density-Gamma Ray, will be run. If commercial, the 4 1/2" liner will be run and cemented as above. If noncommercial, the well will be plugged according to U.S.G.S. specifications.

No abnormal pressures or temperatures are expected. No hazardous gases 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 blowout preventer program, if any.

24.

SIGNED

John Alexander
John Alexander

TITLE

Agent

DATE

2-24-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

RECEIVED

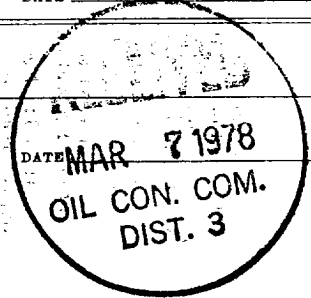
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Alfred

MAR 1 1978

U.S. Geological Survey
Farmington, N.M.

*See Instructions On Reverse Side

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.

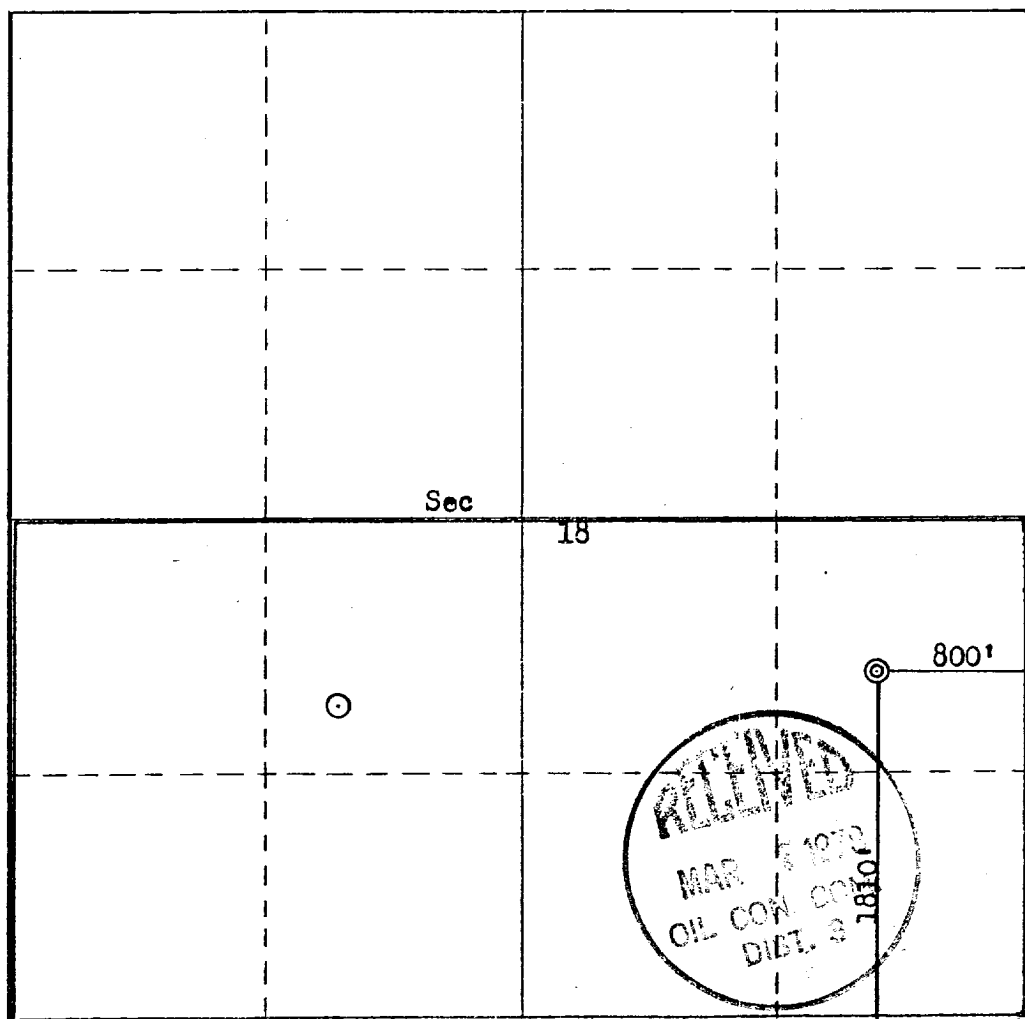
Operator Mesa Petroleum Company			Lease Johns-100-1		Well No. 2A
Unit Letter I	Section 18	Township 32N	Range 11W	County San Juan	
Actual Footage Location of Well: 1810 feet from the South line and 800 feet from the East line					
Ground Level Elev. 6610	Producing Formation Mesa Verde Cliffs		Pool Mesa Verde-Blanco Pictured Cliffs	Dedicated Acreage: 316.10 Ext. MV 320, PC 160 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

2-24-78

Date

John Alexander

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

February 6, 1978

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950

