

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-22980

5. LEASE DESIGNATION AND SERIAL NO.
USA-NM-029144

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Federal

9. WELL NO.
16A

10. FIELD AND POOL, OR WILDCAT
Blanco Mesa Verde, Otero

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Chacra
Sec 9-27N-8W

12. COUNTY OR PARISH
San Juan

13. STATE
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
Mesa Petroleum Co.

3. ADDRESS OF OPERATOR
Box 2009, Amarillo, Texas 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1940' FNL & 1770' FWL
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 320	17. NO. OF ACRES ASSIGNED TO THIS WELL 320 MV, 160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 4750	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6005 GL		22. APPROX. DATE WORK WILL START* April 15, 1978

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 (New)	24	200	150 Sk
7 7/8	5 1/2 (New)	15.5	4900	525 Sk

The 12 1/4" hole will be drilled to 500' using spud mud. Surface casing will be run and cemented as above. Prior to drilling from under surface, 10" 900 series blow out preventers will be installed and tested to 800 psi (drawing attached).

The 7 7/8" hole will be drilled using gel chem. mud with approximately the following properties: wt. 9.0 lb./gal, vis. 32 sec./qt., w.l. 10 cc/30 min. Upon reaching total depth open hole logs consisting of IES and FDC/CNL with Gamma Ray Caliper will be run to determine if the well is commercial. If so, 5 1/2" casing will be run and cemented as above. If non-commercial, plugging will be done according to the rules of the U.S.G.S.

Safety equipment will consist of a drill pipe float and stabbing at the surface,

No hazardous gasses or abnormal temperatures or pressures are expected.

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. Mesa Verde gas is dedicated. Chacra gas is undedicated.
SIGNED John Alexander TITLE Agent DATE 3-31-78
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Okal

APR 3 1978

*See Instructions On Reverse Side

Hold on to this. NSL

**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 Federal		Well No. 16A
Unit Letter F	Section 9	Township 27N	Range 8W	County San Juan	

Actual Footage Location of Well:

1940 feet from the **North** line and **1770** feet from the **West** line

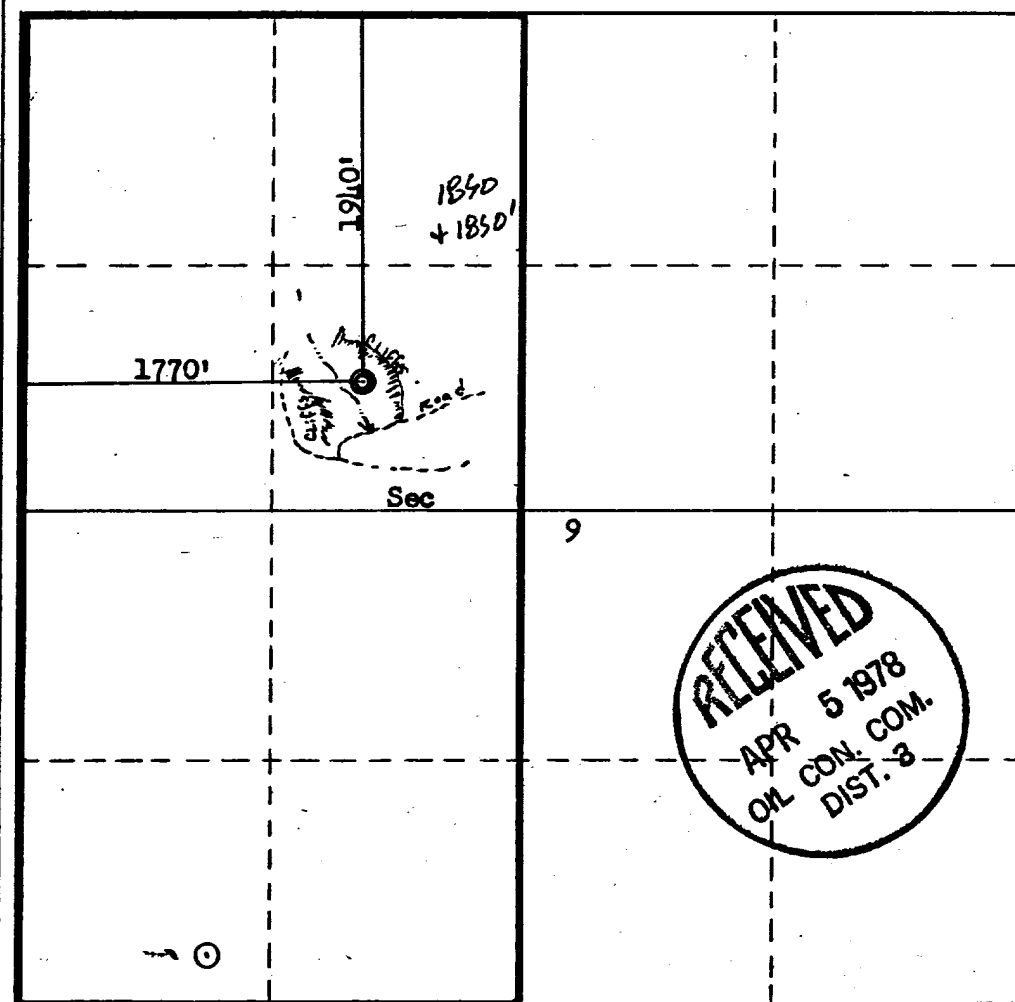
Ground Level Elev. 6005	Producing Formation Mesa Verde - Chacra	Pool Blanco Mesa Verde-Otero Chacra	Dedicated Acreage: <input checked="" type="checkbox"/> 320 MV. 160 Acres
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- Outline the acreage dedicated to the subject well by colored pencil or hachure 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 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.	
<i>John Alexander</i>	
Name	John Alexander
Position	Agent
Company	Mesa Petroleum
Date	March 27, 1978
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	March 14, 1978
Registered Professional Engineer and/or Land Surveyor	<i>Fred B. Korb</i>
Certificate No.	3956

