

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-24942

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078118	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALIQUOT OR TRIBE NAME	
2. NAME OF OPERATOR MESA PETROLEUM CO.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1660 Lincoln, 2800 Lincoln Center, Denver, Colorado 80264		8. FARM OR LEASE NAME JOHNS FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1800' N & 850' E		9. WELL NO. 3	
X At proposed prod. zone same		10. FIELD AND POOL, OR WILDCAT BLANCO PICTURED CLIFFS	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 18-T32N-R11W	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		12. COUNTY OR PARISH SAN JUAN	
16. NO. OF ACRES IN LEASE 983.65		13. STATE NEW MEXICO	
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3530'		17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
20. ROTARY OR CABLE TOOLS ROTARY		22. APPROX. DATE WORK WILL START* March 5, 1981	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6632 GL			

## 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	200	150 sks
7 7/8	4 1/2	10.5	3530	500 sks

This action is subject to administrative  
approval pursuant to 30 CFR 290.

(see attachments)

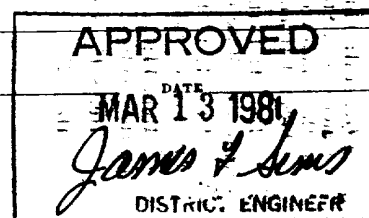
GAS UNDER THIS LEASE IS DEDICATED TO A CONTRACT.



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 TITLE AGENT DATE January 16, 1981  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

Operator <b>MESA PETROLEUM COMPANY</b>			Lease <b>JOHNS-FEDERAL</b>		Well No. <b>3</b>
Unit Letter <b>H</b>	Section <b>18</b>	Township <b>32N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Wells: <b>1800</b> feet from the <b>North</b> line and <b>850</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6632</b>	Producing Formation <b>PICTURED CLIFFS</b>		Pool <b>BLANCO PICTURED CLIFFS</b>	Dedicated Acreage: <b>160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

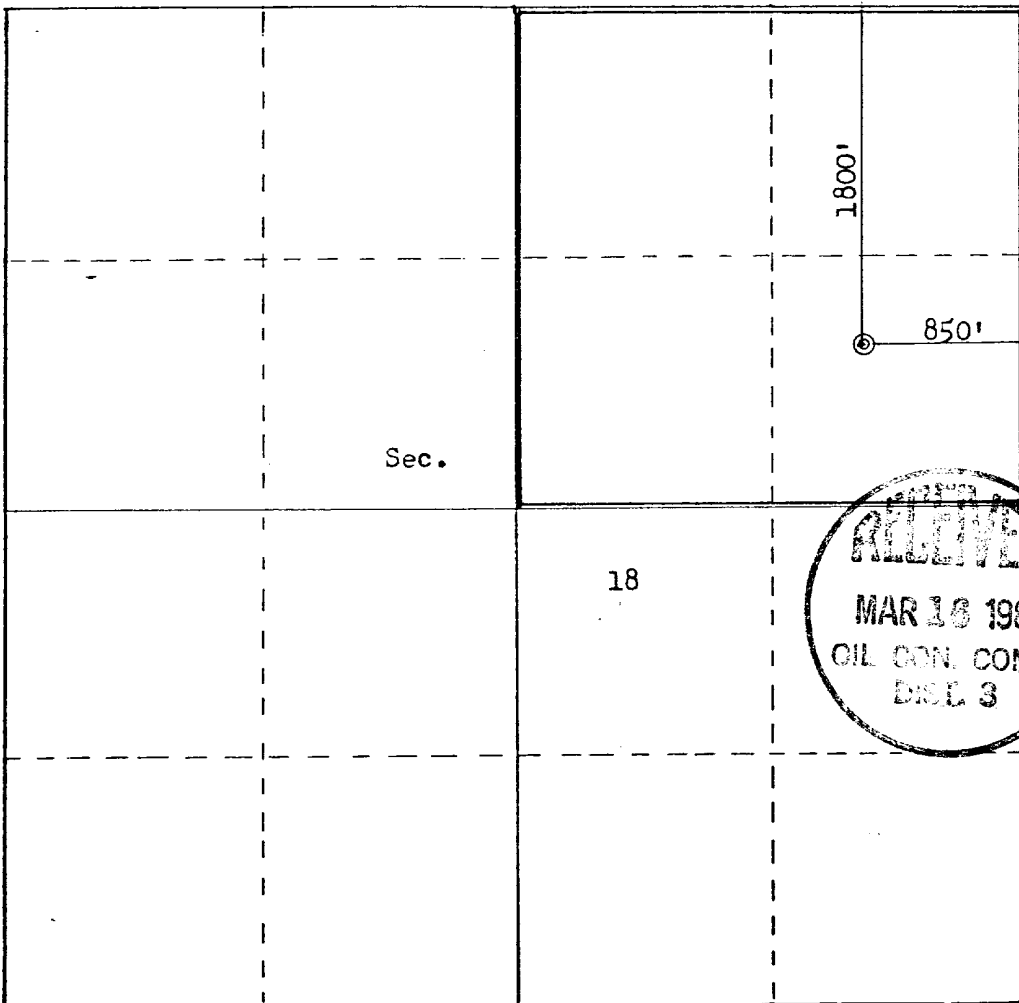
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 \_\_\_\_\_

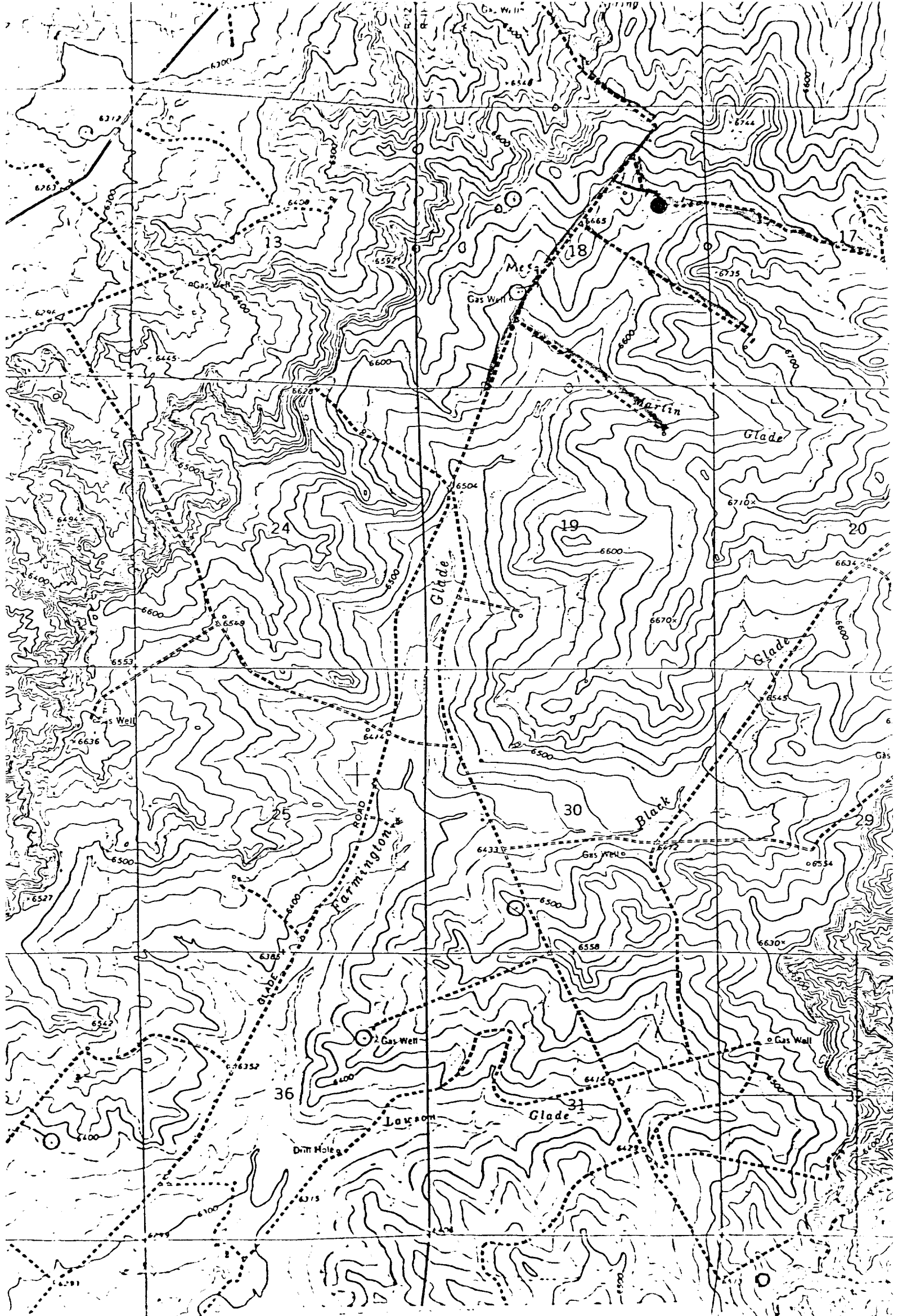
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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.



Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<b>JOHN ALEXANDER</b>
Position	<b>AGENT</b>
Company	<b>MESA PETROLEUM CO.</b>
Date	<b>January 16, 1981</b>
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	<b>December 29, 1980</b>
Registered Professional Engineer and Land Surveyor	<b>Fred B. Kerr, Jr.</b>
Certificate No.	<b>3950</b>



Vicinity Map for  
MESA PETROLEUM CO. #3 JOHNS-FEDERAL  
1800'FNL 850'FEL Sec. 18-T32N-R11W  
SAN JUAN COUNTY, NEW MEXICO