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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
L-638	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work				7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>				8. Farm or Lease Name	
DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				North Scharb State Com	
2. Name of Operator				9. Well No.	
Mesa Petroleum Co				1	
3. Address of Operator				10. Field and Pool, or Wildcat	
1000 Vaughn Building, Midland, Texas 79701				Wildcat	
4. Location of Well				12. County	
UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE				Lea	
AND 660 FEET FROM THE West LINE OF SEC. 32 TWP. 18S RGE. 35E NMPM					
19. Proposed Depth		19A. Formation		20. Rotary or C.T.	
13,700		Morrow.		Cable & Rotary	
21. Elevations (Show whether DF, RT, etc.)		21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
3928.3		Blanket		February 18, 1978	
21B. Drilling Contractor					
Cable-Unknown/Rotary-Sharp					

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	13-3/8	48	400	450	Circ
12-1/4	9-5/8	36-40	4800	3000	Circ
8-3/4	7-5/8	26.4-29.7	11,350	400	8000
6-1/2	5 Liner	15	11,100-13,700	Sufficient to cover liner	

Will drill surface hole to 400' with cable tools and without BOPs. After setting casing and nipping up BOPs, will nipple up 12" API 3000 psi WP BOPs and drill hole to intermediate casing point, using rotary tools. Drill fluid will be brine water. Will circulate cement to surface using DV tool set approximately 2800'. Will attempt to drill to total depth with 8-3/4" bit, however, if gas, mud weight, or hole conditions dictate, will run 7-5/8" casing at approximately 11,350'. Drilling fluid will be fresh water converting to cut brine at approximately 9000'. Will use brine polymer if mud weight above 10.3 PPG is necessary. If 7-5/8" casing is run at 11,350', will run 5" liner to total depth.

Anticipated maximum mud weight, based upon surrounding wells, is approximately 10.4 PPG.

Operator's gas is committed to Transwestern.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Michael P. Houston Title Division Engineer Date 2-13-78

(This space for State Use)

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, JWH, RHN, MEC, FILE, NMOCC, W.I.OWNERS

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FEB 15 1978

OIL CONSERVATION COMM.
MOORE, N. M.

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 North Scharb State Com.		Well No. 1
Section E	Section 32	Range 18 South	Range 35 East	County Lea
Approximate Location of Well				
1980	feet from the	North	feet from the	West
3928.3	feet from the	Morrow	feet from the	Wildcat
				320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 See reverse side

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.

Amoco L-638			
Pennzoil, et al L-958			
Mesa	Atlantic Richfield		
Peoples Sec.Co.	O.L. Jackson		



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

James W. Hart

James W. Hart

Drilling-Production Foreman

Mesa Petroleum Co

February 14, 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.

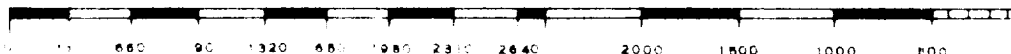
Feb. 13, 1978

Registered Professional Engineer
No. 1111 Surveyor

John W. West

Certificate No. John W. West 676

Ronald J. Eidson 3239



W $\frac{1}{2}$ Sec. 32 will be communitized during drilling. Also, state approved exploratory unit covering sections 32, 31, 2 $\frac{1}{2}$ Sec 29 and S $\frac{1}{2}$ Sec. 30, all in T18S-R35E, will be sought While well drilling.

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OIL CONSERVATION COMM.
HOBBS, N. M.

473

473