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NEW MEXICO OIL CONSERVATION COMMISSION

NOV 16 1977

O. C. C.
ARTESIA, OFFICE

30-015-22352

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-493

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	
2. Name of Operator Mesa Petroleum Co ✓					
3. Address of Operator 1000 Vaughn Building, Midland, Texas 79701					
4. Location of Well UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 36 TWP. 24S RGE. 27E NMPM					
7. Unit Agreement Name					
8. Farm or Lease Name Red Bluff State					
9. Well No. 1					
10. Field and Pool, or Wildcat Wildcat morrow					
12. County Eddy					
19. Proposed Depth 13,200		19A. Formation Morrow		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 3147 GR		21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Moranco	
22. Approx. Date Work will start 12-20-77					

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26	20	94	350	450	Circ
17-1/2	13-3/8	48-61	2475	3000	Circ
12-1/4	9-5/8	40-47	9900	600	8000
8-1/2	5	18	9600-13,200	900	Cover liner

Propose to drill surface hole to 350' and cement casing to surface. Will install temporary flange and nipple up either rotating head or single BOP to drill 17½" hole to 2450-2500'. After setting casing and cutting off 20" temporary flange, will install 12" API 3000 psi bradenhead and BOPs (hydraulic pipe and blind with hydril) and drill to casing point of 9900' using water. Will run electric logs, then run and cement casing. Casinghead will be 12" API 3000 psi X 10" API 5000 psi. BOP system will be 10" API 5000 psi (hydraulic pipe and blind rams with hydril). Will drill to total depth with brine - polymer system (weighted as necessary). Have capability of setting 7-5/8" drilling liner at 11,800', if necessary. Maximum mud weight should not exceed 14.5 PPG based upon area wells.

Operator's gas for the subject well has not been committed to a gas purchase.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION 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 November 15, 1977

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE NOV 18 1977

CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, JWH, MEC, JWJ, RHN, NMOCC

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.

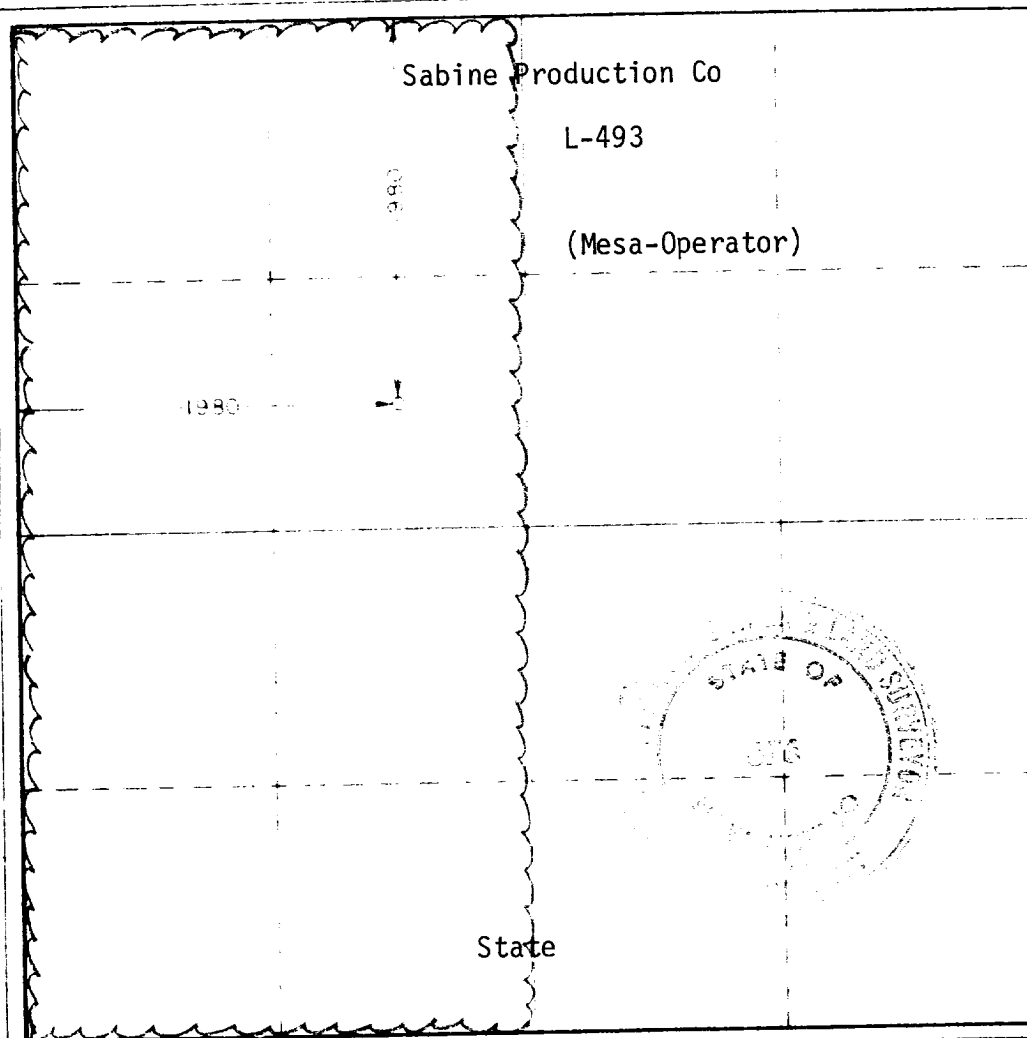
Operator Mesa Petroleum Co		State Red Bluff State		Well No. 1
Section F	Range 36	Township 24 South	Meridian 27 East	County Eddy
Actual Surface Location of Well 1980		Feet from the North	Feet from the West	Year 1980
Ground Level Elev 3146.8	Producing Formation Morrow	Designation Undesignated		Section Acreage W¹/₂ 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Michael P. Houston

Michael P. Houston

Division Engineer

Mesa Petroleum Co

November 15, 1977

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.

November 1, 1977

Registered Professional Engineer
and Land Surveyor

John A. Wat