

NEW OIL CONG. COMMISSION
Artesia, U. STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instr. is on reverse)Form approved.
Budget Bureau No. 42-R1425.

30-005-61533

5. LEASE DESIGNATION AND **RECEIVED**

NM-17793

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
APR 9 19827. UNIT AGREEMENT NAME
O. C. D.8. FARM OR LEASE NAME **ARTESIA, OFFICE**

Crawford Fed Com

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated Abo

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 31, T7S, R26E

12. COUNTY OR PARISH 13. STATE

Chaves

New Mexico

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

1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701-4493

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

At surface

1980' FSL & 660' FWL NW SW/4

At proposed prod. zone

same

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

27 miles north/northeast of Roswell, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'/660'

16. NO. OF ACRES IN LEASE

430.85

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

4350'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

3555' GR

22. APPROX. DATE WORK WILL START*

April 9, 1982

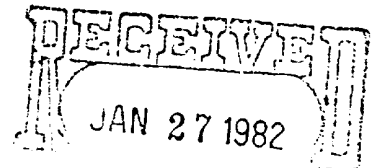
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	900'	SURFACE CIRCULATE
11" or 12 1/4"	8 5/8"	24#	1600'	ISOLATE WATER, OIL & GAS
7 7/8"	4 1/2"	10.5#	4350'	COVER ALL PAY

Proposed to drill 17 1/2" hole to approximately 900' to set 13 3/8" surface casing and cement to surface. Will reduce hole to 11" or 12 1/4" and drill to approximately 1600' to set 8 5/8" casing. Will nipple up RAM type BOPs, reduce hole to 7 7/8" and drill to total depth. Drilling medium will be air, foam, or mud as required.

Gas Sales Are Dedicated.



xc; (USGS) (6), TLS, CEN RCDS, ACCGT, MEC, LAND, PARTNERS, FILE, REM, ROSWELL

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.

SIGNED <u>R. E. Stewart</u>	TITLE <u>REGULATORY COORDINATOR</u>	DATE <u>1-26-82</u>
(This space for Federal or State office use)		
PERMIT NO. <u>APR 8 1982</u>	APPROVAL DATE	
APPROVED BY <u>FOR</u>	TITLE	DATE
CONDITIONS OF APPROVAL <u>BY ANY GRIHAM</u>		
DISTRICT SUPERVISOR		

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

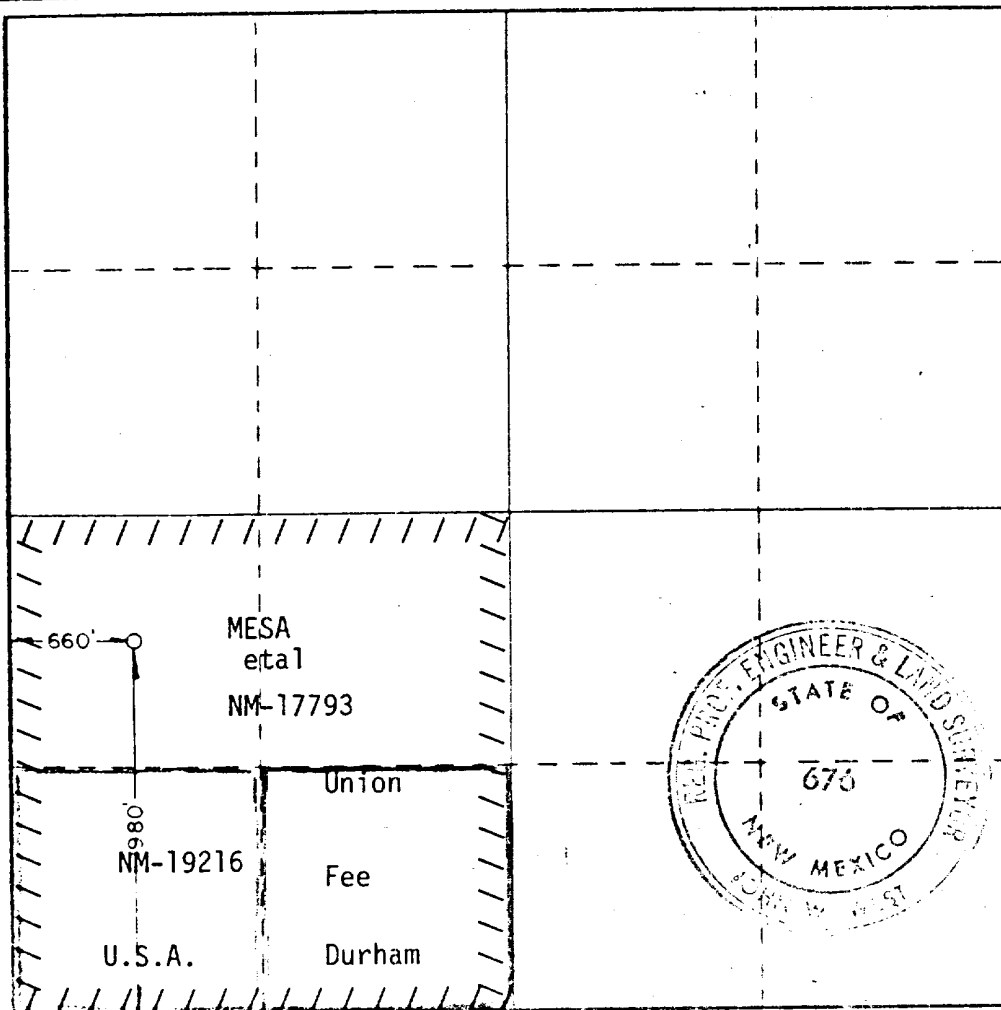
Operator Mesa Petroleum Company			Lease Crawford Fed. Com.		Well No. 4
Section L	Section 31	Township 7 South	Range 26 East	County Chaves	
Actual Well Location of Well: 1930 feet from the south line and 660 feet from the west line					
Ground Level Elev. 3555.0'	Producing Formation ABO	Pool UNDESIGNATED		Dedicated Acreage: SW/4 160	

- 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 Communitization in Progress

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.

R. E. Mathis

Name
R. E. MATHIS

Position
REGULATORY COORDINATOR

Company
MESA PETROLEUM CO.

Date
1-21-82

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
1-9-82

Registered Professional Engineer and/or Land Surveyor

John W. West

JOHN W. WEST 676
PATRICK A. ROMERO 6843
Rogelio J. Edison 3239

APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO.
CRAWFORD FED COM #4
1980' FSL & 660' FWL, SEC 31, T7S, R26E
CHAVES COUNTY, NEW MEXICO

LEASE NO. NM-17793

In conjunction with Form 9331-C, Application For Permit to Drill subject well, the following additional information is provided:

1. Applicable portions of the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, Roswell District, Geological Survey of September 1, 1980 will be adhered to.

2. Geological markers are estimated as follows:

SEVEN RIVERS	Surface
SAN ANDRES	464
GLORIETA	1496
TUBB	2992
ABO	3664

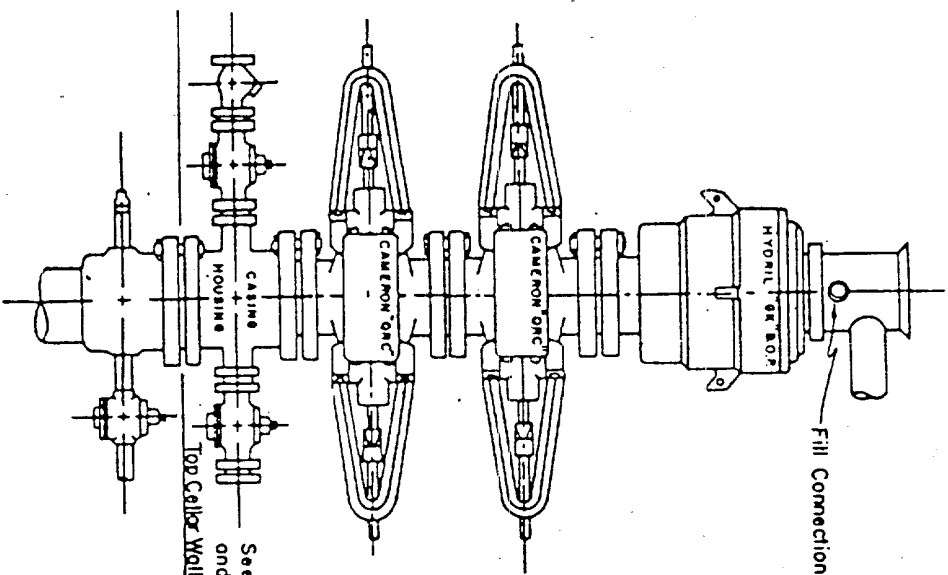
3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 900'.

4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. See Exhibit VI. Anticipate drilling with air or foam using ram type preventer and rotating head for well control. The 13 3/8" casing will be set at approximately 900' to protect any fresh water zones and cemented to the surface. The 8 5/8" casing will be set at approximately 1600' if water zones have been encountered or omitted if not and ram type preventers installed. Sufficient amounts and kinds of cement would be used to ensure any water, gas, or oil zones encountered are isolated and shut off down to the casing point if run. The 4 1/2" production casing will be set at total depth or shallower depending upon the depth of the deepest commercial hydrocarbon bearing strata encountered.

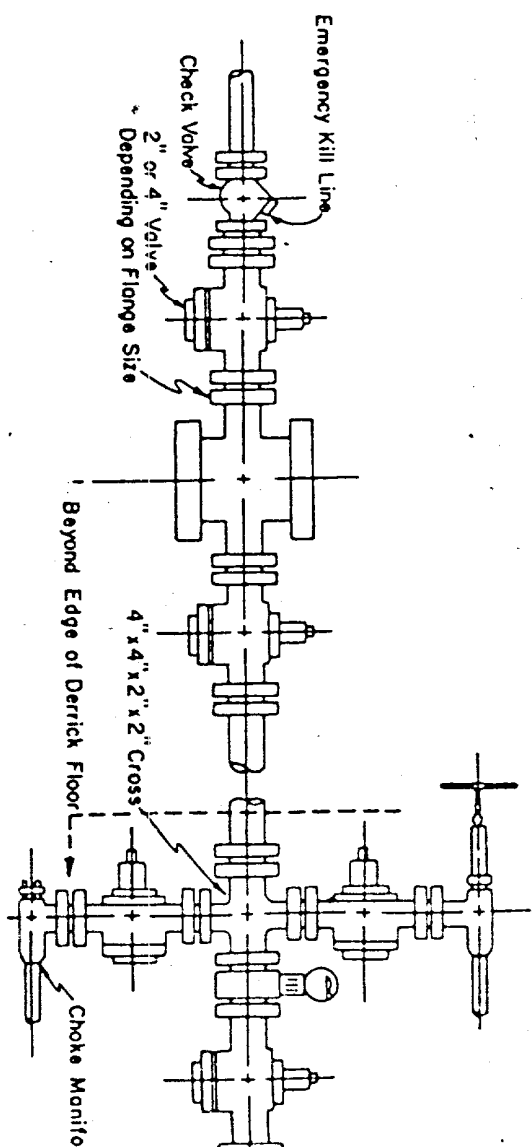
5. No drill stem test or coring program is planned. The logging program may consist of a GR-CNL from surface total depth and FDC from casing point to total depth.

6. Anticipated drilling time is ten days with completion operations to follow as soon as a completion unit is available.

Blow-out Preventers hydril and choke manifold are all



3,000 PSI WORKING PRESSURE
BLOW-OUT PREVENTER HOOK-UP



3,000 PSI WORKING PRESSURE
KILL, CHOKE, AND FILL CONNECTIONS

DETAIL OF 4" FLOW LINE CHOKE ASSEMBLY

Minimum assembly for 3,000 PSI working pressure will consist of three preventers.
The bottom and middle preventers may be Cameron.

NOTE: HYDRIL not installed on shallow-low pressure wells.
RAM type BOPs are API 10" X 3000 PSI

School Section Well

36

31

1281

6

Huggins

Trout Well

Jess Well

Alkali Well

Alkali

Blue Water Well

South Well

SPRING FEDERAL

River Windmill

Shannon

McDermott Wells

East Fivemile Well

Finley Well

Rattlesnake Well



PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT

I

AREA ROADWAYS FOR THE CRAWFORD

FED COM #4

DRAWN BY:

DATE:

SCALE:

1/2" = 1 MILE

1/4" = 1/2 MILE

1/8" = 1/4 MILE

1/16" = 1/8 MILE

1/32" = 1/16 MILE

1/64" = 1/32 MILE

1/128" = 1/64 MILE

1/256" = 1/128 MILE

1/512" = 1/256 MILE

1/1024" = 1/512 MILE

1/2048" = 1/1024 MILE

1/4096" = 1/2048 MILE

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