

NEW OIL & GAS COMMISSION
Drawer #
Artesia, NM 88210SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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

1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701-4493

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

At surface

1980' FNL & 660' FWL SW 1/4 NW 1/4

At proposed prod. zone

same

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

10 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'

16. NO. OF ACRES IN LEASE

1279.15'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

1320'

19. PROPOSED DEPTH

4100'

20. ROTARY OR CABLE TOOLS

Rotary

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

3612' GR

22. APPROX. DATE WORK WILL START*

March 23, 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
11" or 12 1/4"	8 5/8"	24#	1600'	ISOLATE WATER, OIL & GAS
7 7/8"	4 1/2"	10.5#	4100'	COVER ALL PAY

Propose 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.

Operator's Gas Sales Are Dedicated.

xc: MMS (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.

24.

SIGNED

R. F. Natch

TITLE

REGULATORY COORDINATOR

DATE

3-9-82

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

Sgt. GEORGE H. STEWART

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 22 1982

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

30-005-61495 RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

NM-29615

MAR 24 1982

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

O. C. D.

ARTESIA, OFFICE

8. FARM OR LEASE NAME

Bitter Lake Fed

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Undesignated ABO

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

Sec 4, T9S, R25E

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

RECEIVED
MAR 10 1982OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICOPosted ID
API & NL Book
3-26-82

3-12-82

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

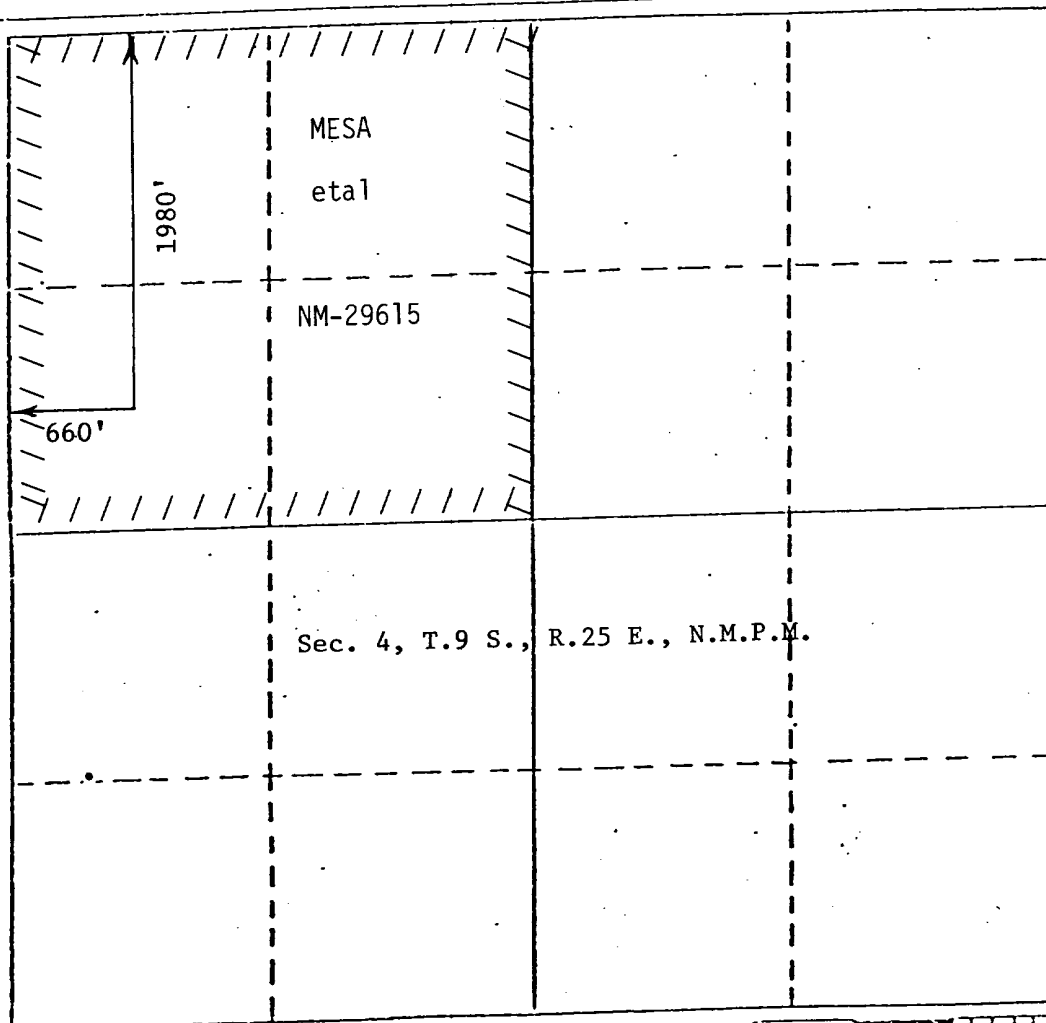
Operator Mesa Petroleum Co.		Lease Bitter Lake Federal		Well No. #7
Unit Letter E	Section 4	Township 9 South	Range 25 East	County Chaves
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3612	Producing Formation ABO	Pool UNDESIGNATED Abo		Dedicated Acreage: NW/4 160 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 _____

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 Division.



CERTIFICATION

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

Name

R. E. MATHIS

Position

REGULATORY COORDINATOR

Company

MESA PETROLEUM CO.

Date

MARCH 9, 1982

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 8, 1982

Registered Professional Engineer and/or Land Surveyor

John D. Jaquess, P.E. & L.S.

Certificate No.

6290

APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO.
BITTER LAKE FEDERAL #7
1980' FNL & 660' FWL, SEC 4, T9S, R25E
CHAVES COUNTY, NEW MEXICO

LEASE NO. NM-29615

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:

	Surface
SEVEN RIVERS	477
SAN ANDRES	1497
GLORIETA	2917
TUBB	3627
ABO	

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 16700' 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.

Lease No.: _____; Well Name and No.: #7 Bitterlake FEDERAL
Subdivision: 1980 FNL, 660 FWL, Section 4, T. 9-S X., R. 25-E X.,
County Chaves, State New Mexico
Mesa Petroleum Oil Company intends to drill a well on
surface owned by James Cliett, et al. The lessee/operator
agrees to complete the following rehabilitation work if the well is a producer:

☒ Yes ☐ No Maintain access road and provide adequate drainage from road.

☒ Yes ☐ No Reshape and seed any area not needed for maintenance of the
production facilities.

Other requirements: _____

The following work will be completed when the well is abandoned/dry hole:

WELL LOCATION

☒ Yes ☐ No Pit will be fenced until dry, then filled to conform to surround-
ing topography.

☒ Yes ☐ No Water bars will be constructed as deemed necessary.

☒ Yes ☐ No Site will require reshaping to conform to surrounding topography.

☒ Yes ☐ No Entire disturbed area will be seeded with the following seed
mixture:

BLUE GRAMA
ALKALI SACATON

ACCESS ROAD

☒ Yes ☐ No Access road will be closed, rehabilitated and seeded using the
same seed mixture as above.

☒ Yes ☐ No Water bars will be constructed on the access road as deemed
necessary.

Other requirements: _____

SURFACE OWNER

Name: James Cliett, et al
Address: 1206 Amherst Dr.
City: Roswell
State: New Mexico
Phone: 0
Date: 2-25-82

OPERATOR/LESSEE

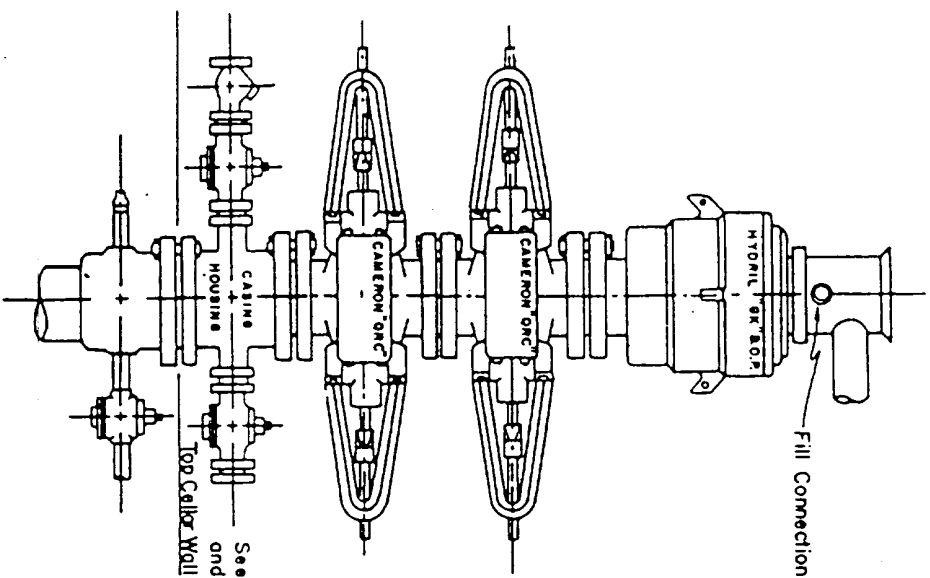
Name: Mesa Petroleum Co.
Address: 1000 Vaughn Bldg.
City: Midland
State: Texas
Phone: (915) 683-5391
Date: 2-25-82

I CERTIFY rehabilitation has been discussed with me, the surface owner:

James W. Cliett
(Surface owner's signature)

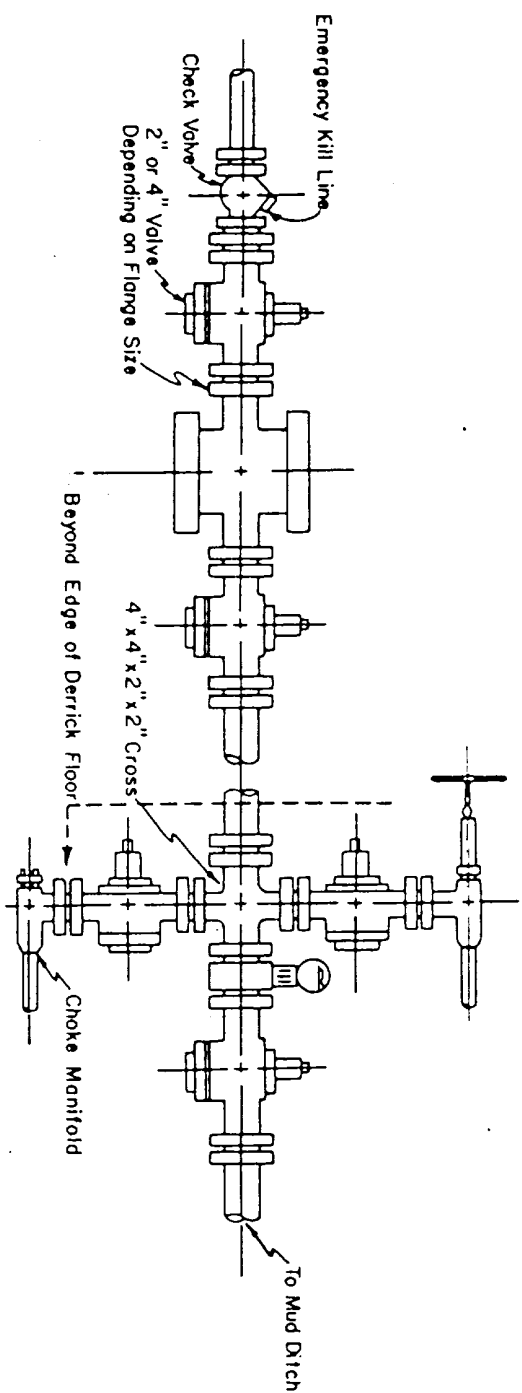
This plan covers rehabilitation requirements only and does not affect any other
agreements between the lessee/operator and surface owner.

Blow-out Preventers hydril and choke manifold are all 900 Series



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

See Detail of 4" Flow Line
and Choke Assembly



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



E X H I B I T

V I

DATE: _____ SCALE: _____

