

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

660' FSL & 900' FEL SE $\frac{1}{4}$ SE $\frac{1}{4}$

At proposed prod. zone

SAME

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

25 miles North of Roswell

15. DISTANCE FROM PROPOSED*

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

660' / 660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2700'

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

4028' GR

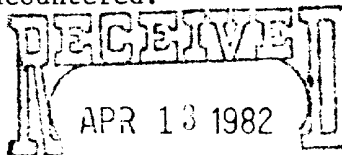
23.

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#	1400'	SURFACE
7 5/8"	4 1/2"	10.5#	3400'	COVER ABO

Propose to drill 12 1/4" hole to approximately 1400' to set 8 5/8" surface casing and cement to surface. Will nipple up ram type BOP's and reduce hole to 7 7/8" to drill to total depth. Drilling medium will be air, foam, or mud as required. After log evaluation, 4 1/2" casing may be run and cemented with sufficient kinds and amounts to isolate and seal off any fresh water, oil or gas zones encountered.

Operator's Gas Sales are dedicated.

NOTE: Amended location.OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

XC: MMS (7), TLS, CEN RCDS, ACCTG, MEC, LAND, ROSWELL, REM, FILE (PARTNERS)

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. E. Mathis

TITLE

REGULATORY COORDINATOR

(This space for Federal or State office use)

APPROVED

PERMIT NO.

(Atty. Gen.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

30-005-61087

5. LEASE DESIGNATION AND SERIAL NO.
NM-36648

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. DEED AGREEMENT NAME

8. NAME OF LEASEE

9. WELL NO.

10. FIELD AND POOL, OR CATEGORICAL

11. SEC., T $\frac{1}{2}$ R., M $\frac{1}{2}$ OR BLK. AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

14. FIELD AND POOL, OR CATEGORICAL

15. SEC., T $\frac{1}{2}$ R., M $\frac{1}{2}$ OR BLK. AND SURVEY OR AREA

16. COUNTY OR PARISH

17. STATE

18. FIELD AND POOL, OR CATEGORICAL

19. SEC., T $\frac{1}{2}$ R., M $\frac{1}{2}$ OR BLK. AND SURVEY OR AREA

20. COUNTY OR PARISH

21. STATE

22. APPROX. DATE WORK WILL START*

APR 27 1982

O. C. D.

ARTESIA, OFFICE

RECEIVED

APR 27 1982

SEC 7, T7S, R23E

CHAVES

NEW MEXICO

160

ROTARY

MAY 2, 1982

industrial

Post ID-1

APR 14 1982

5-9-82

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

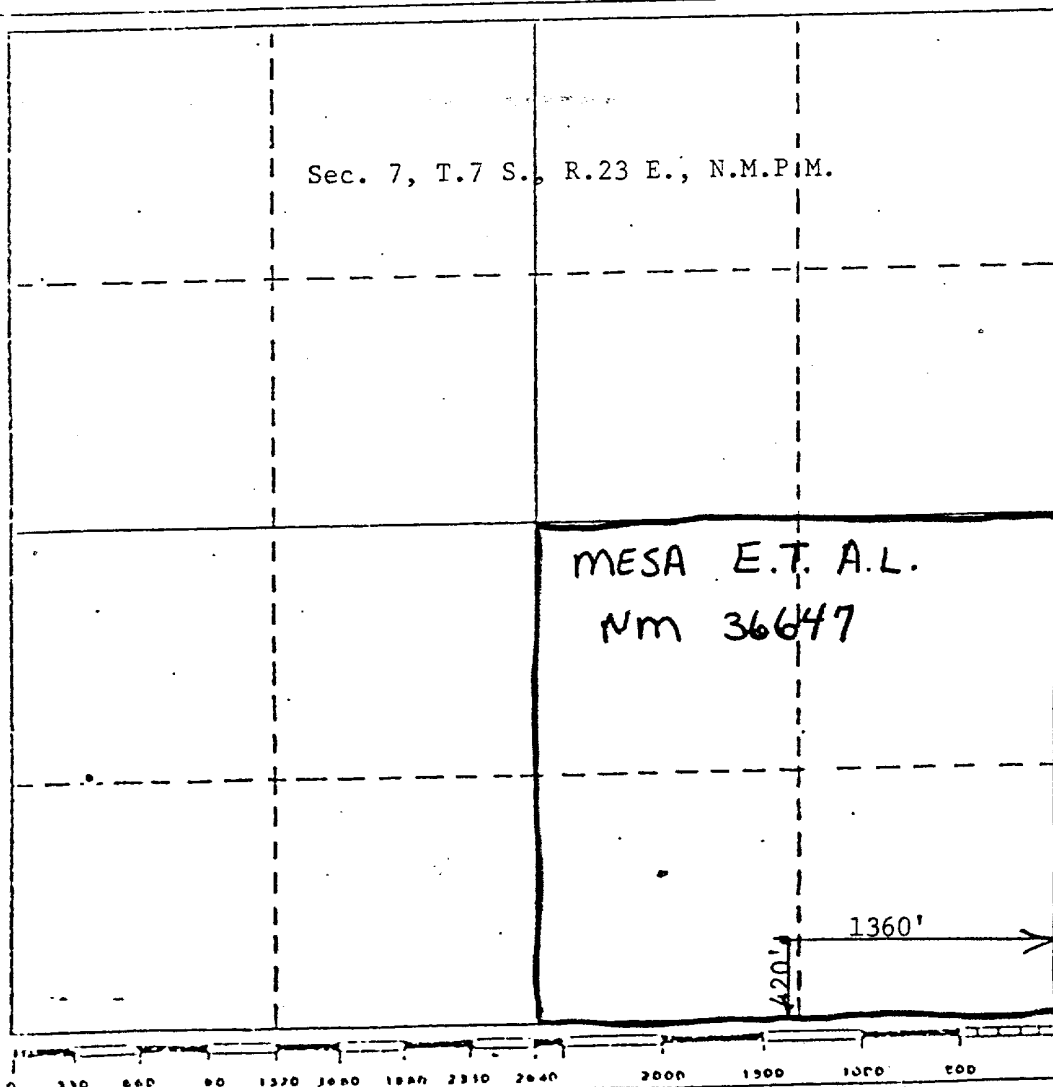
Operator Mesa Petroleum Co.		Lease Macho Federal		Well No. #3
Unit Letter 0	Section 7	Township 7 South	Range 23 East	County Chaves
Actual Postage Location of Well: 420 feet from the South line and 1360 feet from the East line				
Ground Level Elev. 4044	Producing Formation ABO	Pool Undesignated ABO	Dedicated Acreage: SE 1/4 160 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.

Lloyd Reed

Name

Lloyd Reed

Position

Regulatory Agent

Company

Mesa Petroleum Co.

Date

4/15/82

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

April 14, 1982

Registered Professional Engineer and/or Land Surveyor

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

Certificate No.

6290

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
well well

2. NAME OF OPERATOR
Mesa Petroleum Co.

3. ADDRESS OF OPERATOR
1000 Vaugh Bldg., Midland, TX 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 420' FSL & 1360' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE

NM 36647

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

RECEIVED

8. FARM OR LEASE NAME

Macho Federal

APR 27 1982

9. WELL NO.

3

O. C. D.

ARTESIA OFFICE

10. FIELD OR WILDCAT NAME

Undesignated ABO

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

Sec. 7, T7S, R23E

12. COUNTY OR PARISH

Chaves County

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4044

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

APR 10 1982

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

New surface location as per M.M.S. and B.L.M. requirements

420' FSL & 1360' FEL

XC: MMS (7), TLS, CEN RCDS, ACCTG, MEC, ROSWELL, REM, PARTNERS, FILE

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED APPROVED TITLE Reg. Agent. DATE 15 Apr 1982

(Orig. Sgd.) GEORGE H. STEWART (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY

FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

See Instructions on Reverse Side

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.

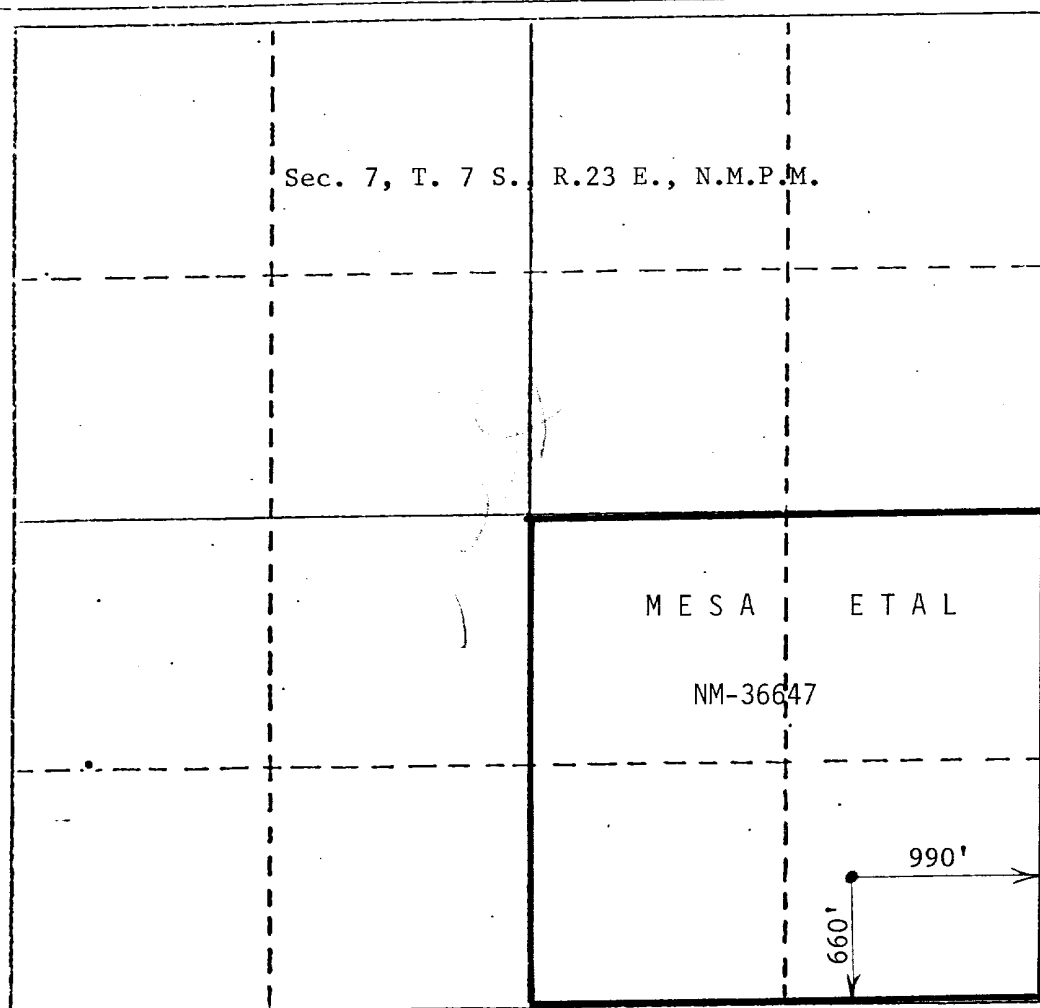
Operator Mesa petroleum Co.		Lease Macho Federal		Well No. #3
Unit Letter P	Section 7	Township 7 South	Range 23 East	County Chaves
Actual Postage Location of Well:				
660 feet from the		South line and	990 feet from the	East line
Ground Level Elev. 4028	Producing Formation ABO	Pool UNDESIGNATED	Dedicated Acreage: SE/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.

R. E. Mathis

Name

R. E. MATHIS

Position

REGULATORY COORDINATOR

Company

MESA PETROLEUM CO

Date

APRIL 12, 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

April 3, 1982

Registered Professional Engineer and/or Land Surveyor

John D. Jaquess

6290

APPLICATION FOR PERMIT TO DRILL

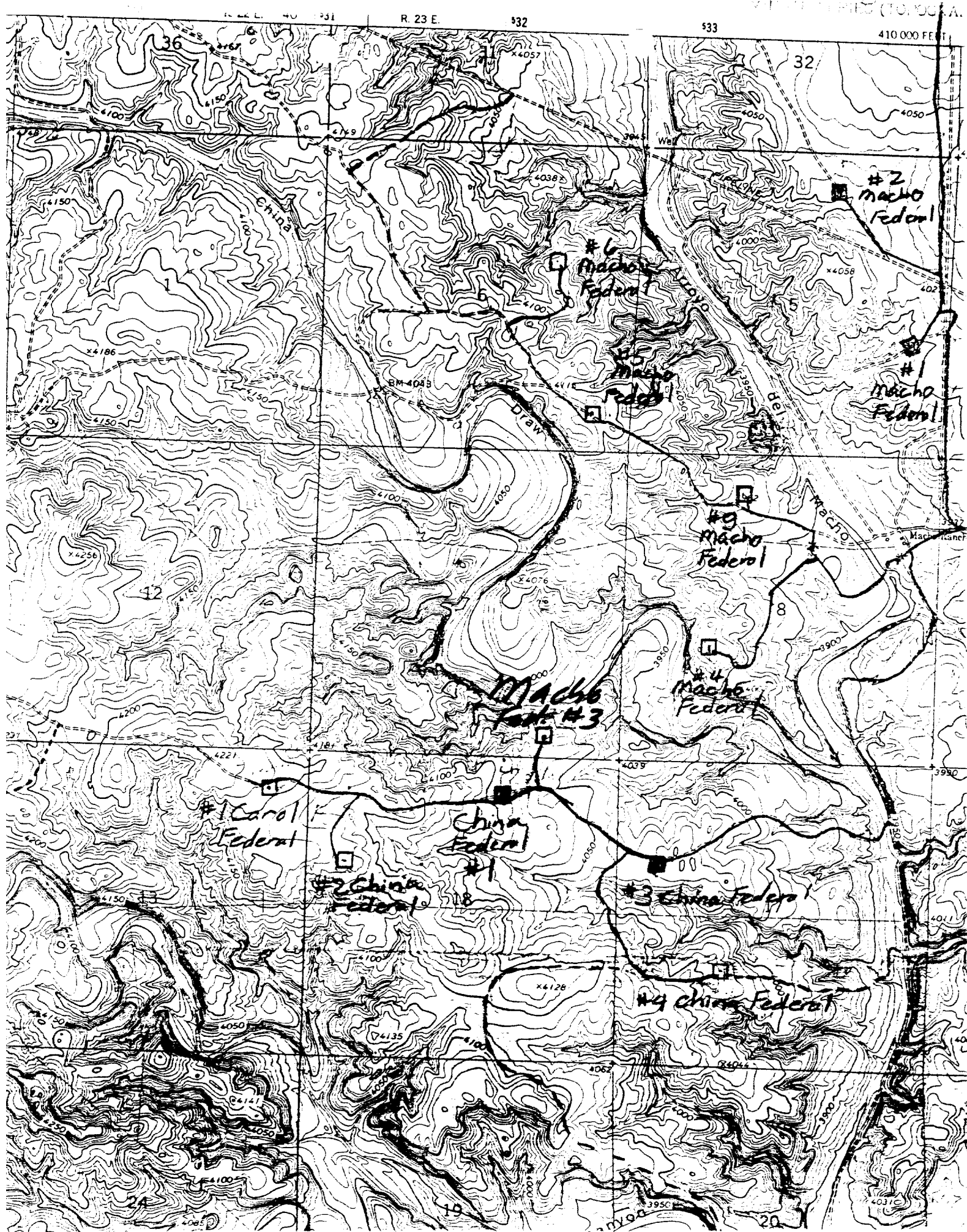
MESA PETROLEUM CO.
MACHO FEDERAL #3
660' FSL & 900' FEL, SEC 7, T7S, R23E
CHAVEZ COUNTY, NEW MEXICO

LEASE NO. NM-36647

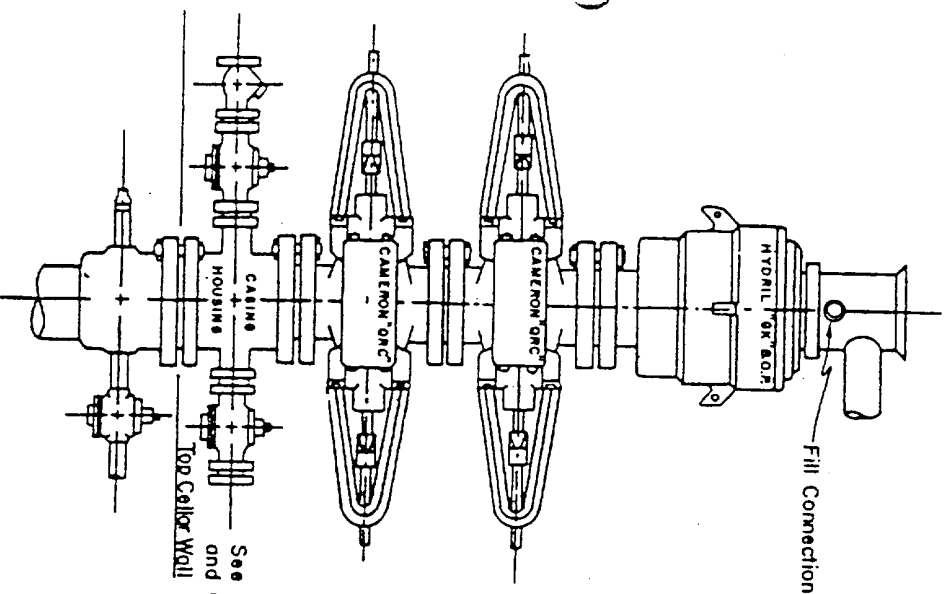
In conjunction with Form 9331-C, Application For Permit to Drill subject well, the following additional information is provided:

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:

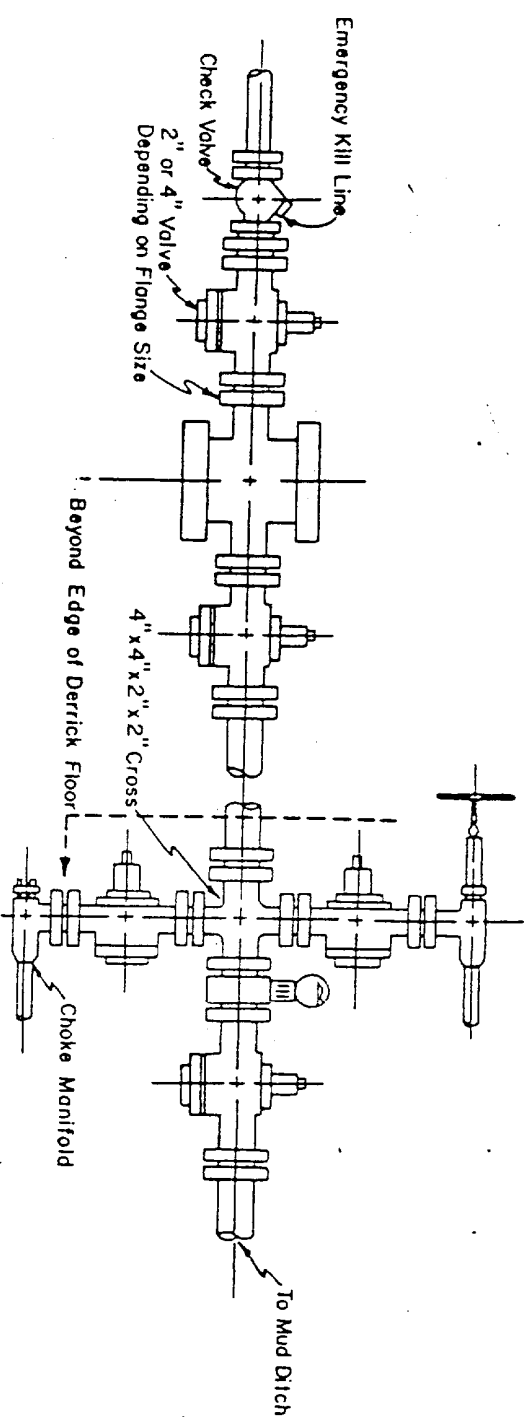
SEVEN RIVERS	Surface
SAN ANDRES	600
GLORIETA	780
TUBB	2120
ABO	2745
3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 780'.
4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. See Exhibit VI. Anticipate drilling with air or foam using ram type preventer and rotating head for well control. The 8 5/8" casing will be set at approximately 1400' to protect any fresh water zones and cemented to the surface. 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. 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.
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 900 Series



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.


MESA
 PETROLEUM CO.
 PERMIAN BASIN DIVISION

E X H I B I T
V I



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED

APR 19 1982

O. C. D.
ARTESIA, OFFICE

Minerals Management Service

South Central Region

Roswell District

P.O. Drawer 1857

Roswell, New Mexico 88201

April 14, 1982

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Lease No. NM-36647
Well No. 3 Macho Federal
Location $\frac{1}{4}$ NENW
sec. 8, T. 7S., R. 23 E.

Mesa Petroleum Company
1000 Vaughn Building
Midland, Texas 79701

Attention: Mr. Richard E. Mathis

Gentlemen:

This Application to Drill is being returned cancelled as requested by
Mr. R.E. Mathis.

Your amended Application to Drill well No. 3 Macho Federal in a new
location is being processed.

Sincerely yours,

(Orig. Sgd.) GEORGE H. STEWART

James A. Gillham
District Supervisor

cc:
BLM Roswell
NMOCD Artesia
District Lease File
Artesia Sub-District
Roswell Chrono

GHStewart:mvd:4/15/82

05/05/20

10:11:00

05/05/20

05/05/20 10:11:00
05/05/20 10:11:00
05/05/20 10:11:00

05/05/20