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OCT 27 1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW MEXICO OIL & GAS COMMISSION
Artesia, NM 88210

30-005-61811
Form approved.
Budget Bureau No. 42-R1425.

O. C. D.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐ X

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒ X

OTHER

SINGLE ZONE ☐

☒ X

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

330' FNL & 1190' FEL NE 1/4 NE 1/4 A

At proposed prod. zone

SAME

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

32 miles Northwest of Roswell, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330' / 330'

16. NO. OF ACRES IN LEASE

1941.5

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.

2050'

19. PROPOSED DEPTH

3200'

20. ROTARY OR CABLE TOOLS

ROTARY

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

4082' GR

22. APPROX. DATE WORK WILL START*

AUGUST 1, 1982

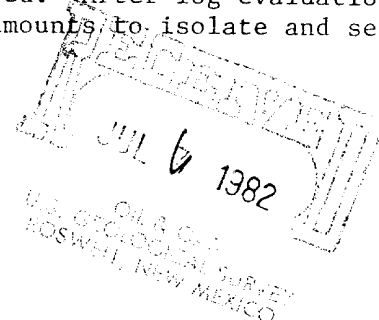
23.

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'	700/300 SURFACE
7 7/8"	4 1/2"	10.5#	3200'	300 COVER ALL PAY

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.



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

OPERATIONS MANAGER

DATE

7-2-82

(This space for Federal or State office use)

PERMIT NO. (Orig. Sgd.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

OCT 25 1982

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

NSL-1563

app - 7-14-82

Plugged & Back
10-25-82

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

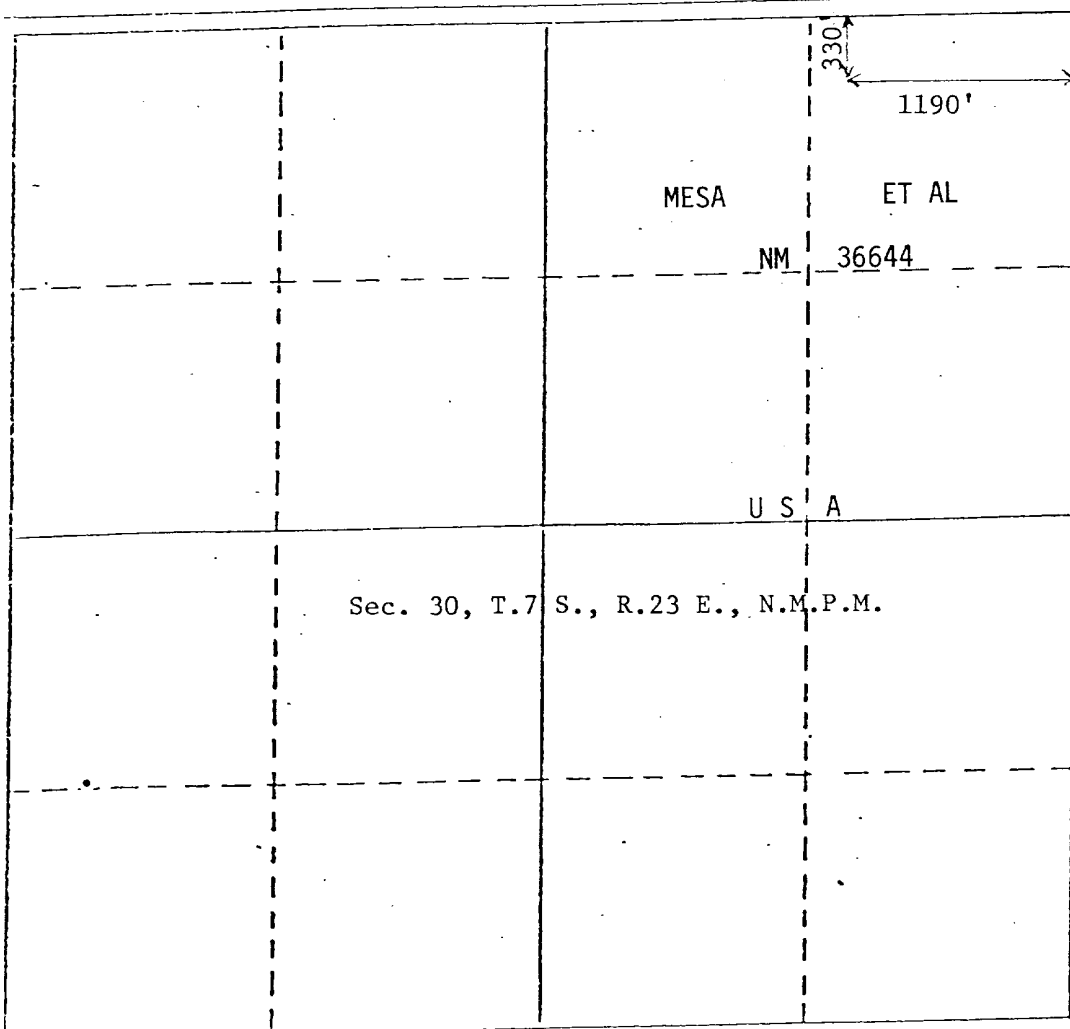
Operator Mesa Petroleum Co.		Lease Debbie Federal		Well No. 3
Unit Letter A	Section 30	Township 7 S.	Range 23 E.	County CHAVES
Actual Footage Location of Well:				
330 feet from the North line and		1190 feet from the East line		
Ground Level Elev. 4082	Producing Formation ABO	Pool UNDESIGNATED	Dedicated 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

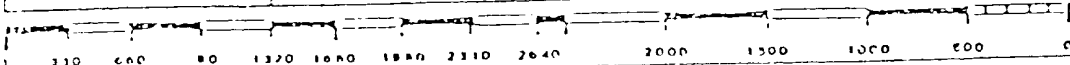
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Michael P. Houston

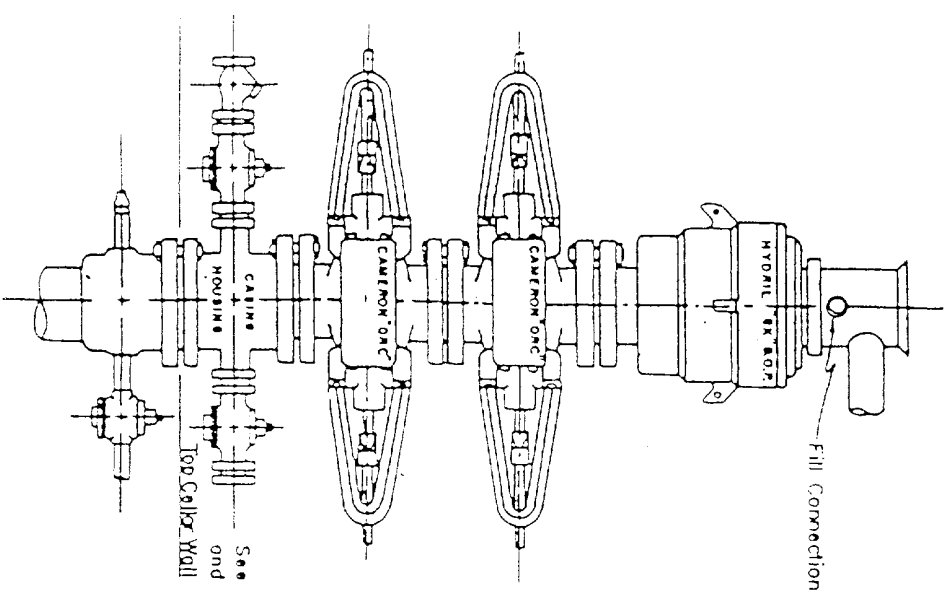
Name
MICHAEL P. HOUSTON
Position
OPERATIONS MANAGER
Company
MESA PETROLEUM CO.
Date
JULY 2, 1982

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
6-29-82
Registered Professional Engineer and/or Land Surveyor
JOHN D. JAQUESS
Certificate No.
6290

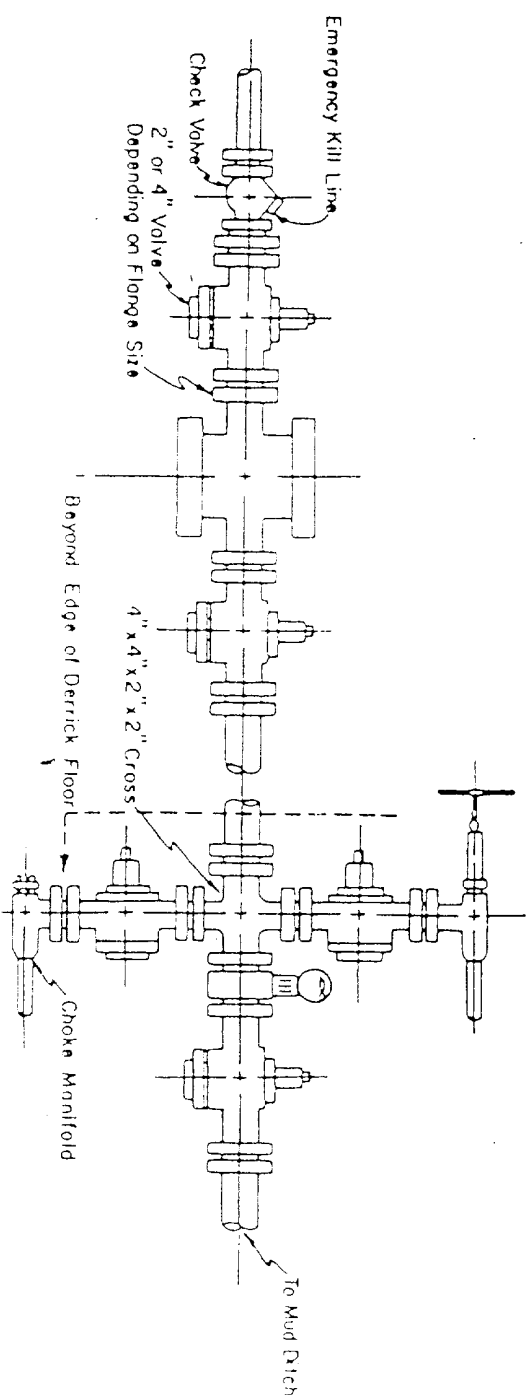


Blow-out Preventers hydril and choke manifold are all 900 Series



See Detail of 4" Flow Line
and Choke Assembly

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 Camiron.

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



F X H I B I T

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