

NM OIL CONS. COMMISSION
Draper
Artesia, NM 88210SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYC/SE
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-17031	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTMENT NO. AND DATE MAR 24 1982	
2. NAME OF OPERATOR MESA PETROLEUM CO. ✓		7. UNIT AGREEMENT NAME O. C. D.	
3. ADDRESS OF OPERATOR 1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701-4493		8. FARM OR LEASE NAME Braden Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 660' FEL NE 1/4 NE 1/4 At proposed prod. zone same		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 32 miles north/northeast of Roswell, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated ABO	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 30, T5S, R24E	
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		19. PROPOSED DEPTH 4100'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* March 24, 1982	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 4062' GR			
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 BOP's, 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.

RECEIVED
MAR 10 1982

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 <u>R. E. Mathis</u> TITLE <u>REGULATORY COORDINATOR</u> DATE <u>3-9-82</u>	
(This space for Federal or State office use)	
PERMIT NO. <u>2034</u>	APPROVAL DATE
APPROVED BY <u>GEORGE H. STEWART</u> DATE <u>MAR 22 1982</u>	
APPROVED BY <u>JAMES A. GILLHAM</u> DATE <u>3-26-82</u>	
CONDITIONS OF APPROVAL, IF ANY: <u>DISTRICT SUPERVISOR</u>	

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 8750Form C-102
Revised 10-1-78

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

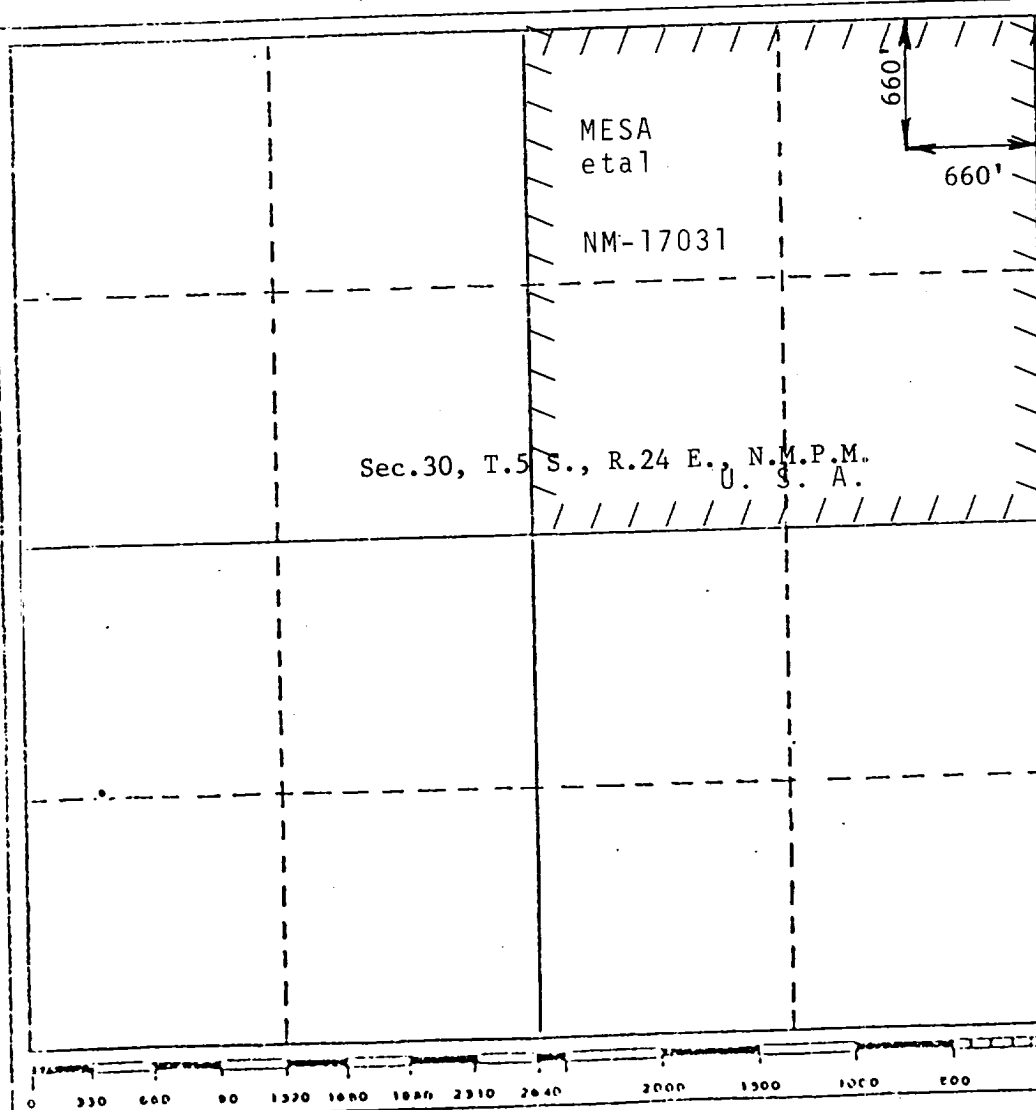
Operator Mesa Drilling Co.		Lease Braden Fed.		Well No. 1	
Unit Letter A	Section 30	Township 5 South	Range 24 East	County Chaves	
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line					
Ground Level Elev. 4062	Producing Formation ABO		Pool UNDESIGNATED		Dedicated Acreage: NE/4 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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
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
JOHN D. JAQUES
Registered Professional Engineer
and/or Land Surveyor
6290
John D. Jaques, P.E. & L.S.
Certificate No. **6290**

APPLICATION FOR PERMIT TO DRILL

MESA PETROLEUM CO.
BRADEN FEDERAL #1
660' FNL & 660' FEL, SEC 30, T5S, R24E
CHAVES COUNTY, NEW MEXICO

LEASE NO. NM-17031

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	307
GLORIETA	1176
TUBB	2795
ABO	3471

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.