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SANTA FE, NEW MEXICO 87501

DEC 27 1983
O. C. D.
ARTESIA OFFICE

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

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
JEM RESOURCES INC. ✓

3. Address of Operator
P.O. Box 2938 Ruidoso New Mexico

4. Location of Well
UNIT LETTER G LOCATED 1650 FEET FROM THE North LINE
AND 1650 FEET FROM THE East LINE OF SEC. 5 TWP 17 S RGE. 29 E NMPM

7. Unit Agreement Name

8. Farm or Lease Name
THEOS STATE

9. Well No.
1

10. Field and Pool, or Wildcat
Cave - G - 514

12. County
Eddy

19. Proposed Depth
2500

19A. Formation
SanAndres

20. Rotary or C.T.
Rotary

21. Elevations (Show whether DF, RT, etc.)
3613 GR

21A. Kind & Status Plug. Bond
Blanket

21B. Drilling Contractor
Rhymes

22. Approx. Date Work will start
ASAP

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	350±	225	Circulated
7 7/8"	5 1/2"	15.5#	2500	850	Circulated

Mud Program:

Fresh water and spud mud surface to 350 ft.

Brine water 350 to TD

BOP will be installed on 8 5/8" csng

Posted at 11:20
12-30-83

180 DAYS
PERMIT
UNLESS DRILLING UNDERWAY

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Geologist Date 12/32/83

(This space for State Use)

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE DEC 27 1983

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

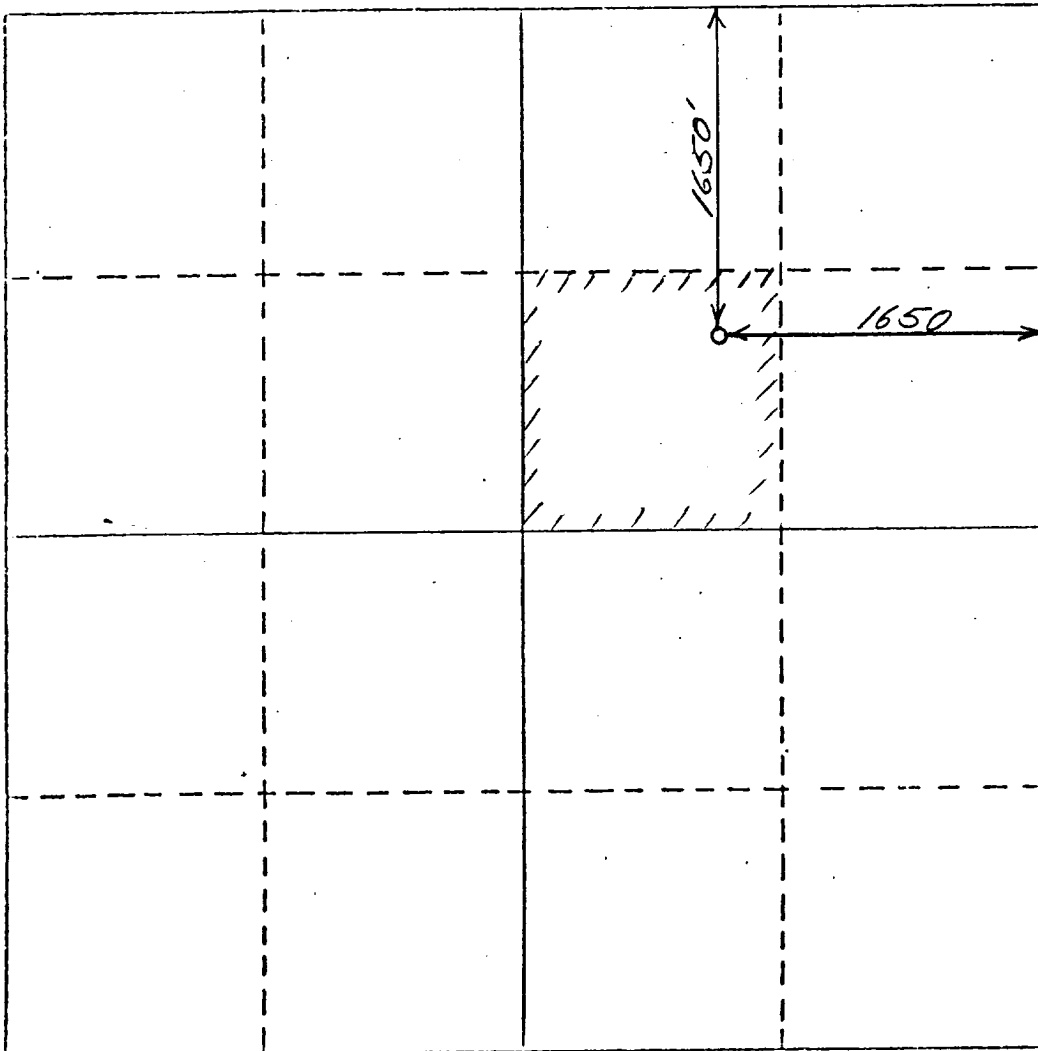
Operator J E M Resources, Inc.		Lease Theos State			Well No. 1
Unit Letter G	Section 5	Township 17 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 1650 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 3613 MSL	Producing Formation SanAndres	Pool Cave - G - SA		Dedicated Acreage: 40 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.

Name
Randall L. Harris

Position
Geologist

Company
JEM Resources Inc.

Date
12/23/83

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.

December 22, 1983

Date Surveyed
P. R. Patton

Registered Professional Engineer and/or Land Surveyor

8112

Certificate No.

