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OPERATOR	<input checked="" type="checkbox"/>

SANTA FE, NEW MEXICO 87501

OCT 09 1984

O. C. D.  
ARTESIA, OFFICE

5A. Indicate Type of Lease  
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

B-11662

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

J.E.M. RESOURCES INC.

3. Address of Operator

P.O. BOX 2938, RUIDOSO NM 88345

4. Location of Well

UNIT LETTER M LOCATED 330 FEET FROM THE SOUTH LINE

AND 990 FEET FROM THE WEST LINE OF SEC. 4 TWP. 17 S RGE. 29 E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

DIAMOND STATE

9. Well No.

2

10. Field and Pool, or Wildcat

CAVE GB/SA

12. County

Eddy

19. Proposed Depth

3000

19A. Formation

SAN ANDRES

20. Rotary or C.T.

ROTARY

21. Elevations (show whether DF, RT, etc.)

3588 GR.

21A. Kind & Status Plug. Bond

BLANKET

21B. Drilling Contractor

L + M

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	<del>240</del> 24 #	340	220	CIRCULATED
7 7/8	5 1/2	15.5 #	2574	800	CIRCULATED
4 3/4	4"	9.5 #	3000	150	<del>2400</del> 2400

OLD TD 2574 PLAN TO DRILL OUT W/ 4 3/4" BIT  
AND DEEPEN TO 3000'

WILL USE BRINE WATER FOR DRILLING FLUID

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 4-11-85  
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.

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

Signed

Title GEOLOGIST

Date 10/9/84

(This space for State Use)

Original Signed By

Leslie A. Clements

TITLE

DATE

OCT 9 1984

CONDITIONS OF APPROVAL, IF ANY

Supervisor District II

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

Operator <b>J E M Resources, Inc.</b>			Lease <b>Diamond State</b>		Well No. <b>2</b>
Unit Letter <b>111</b>	Section <b>4</b>	Township <b>17 South</b>	Range <b>29 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>330</b> feet from the <b>South</b> line and <b>990</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3588 MSL</b>	Producing Formation <b>GB-SA</b>	Pool <b>CAVE - G - SA</b>		Dedicated Acreage: <b>40</b> 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 C. HARRIS**

Position

**GEOLOGIST**

Company

**J.E.M. Resources**

Date

**1/23/84**

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.

January 21, 1984

Date Surveyed

**P. R. Patton**

Registered Professional Engineer and/or Land Surveyor

8112

State #2

Ut. M

4-1/S-29E  
CU/CUT