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SANTA FE, NEW MEXICO 87501
DEC 17 1984
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
O. C. D.
ARTESIA

5. State of New Mexico
E 10162

1. TYPE OF WELL
a. TYPE OF COMPLETION
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name
Red Twelve State

2. Name of Operator
J.E.M. Resources Inc.
3. Address of Operator
P.O. Box 2938 Ruidoso, N.M. 88345
4. Location of Well

9. Well No.
4
10. Field and Pool, or Wildcat
Cave G3/S

UNIT LETTER 0 LOCATED 990 FEET FROM THE South LINE AND 2310 FEET FROM
THE East LINE OF SEC. 5 TWP. 17S RGE. 29E NMPM

12. County
Eddy

15. Date Spudded 9-14-84 16. Date T.D. Reached 9-22-84 17. Date Compl. (Ready to Prod.) 10-6-84 18. Elevations (DE, RKB, RT, GR, etc.) 3620 Gr 19. Elev. Casinghead 3622

20. Total Depth 3550 21. Plug Back T.D. 3525 22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools all Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
3004-3434 San Andres
25. Was Directional Survey Made No

26. Type Electric and Other Logs Run
CNL-FDC- DLL
27. Was Well Cored NO

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	350	12 1/4	250 sxs	none
5 1/2	15.5#	3535	7 7/8	1200 sxs	none

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	3450	Free

31. Perforation Record (Interval, size and number)
3004-3434 37 0.42 cal. shots
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
3004-3434 4300 gal 15% NEEF
215.00 gal gel wtr.
388,000# 20/40 sd

33. PRODUCTION
Date First Production 11-1-84 Production Method (Flowing, gas lift, pumping - Size and type pump) Pump Well Status (Prod. or Shut-in) Prod
Date of Test 11-28-84 Hours Tested 24 Choke Size 7/8 Prod'n. For Test Period Oil - Bbl. 40 Gas - MCF 200 Water - Bbl. 200 Gas-Oil Ratio 50:1 Secor: 1
Flow Tubing Press. Casing Pressure 20# Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By Rex Glenn

35. List of Attachments
Deviation survey

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED _____ TITLE Geologist DATE 12-14-84

This form is to be filed with the appropriate District Office of the Division not later than 30 days after the completion of any test, whether deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run in the well and a summary of geophysical tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>305</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt <u>652</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>990</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>1628</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>2036</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>2382</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzie _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Pennian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

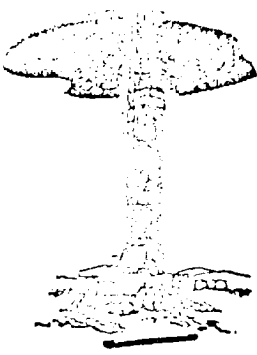
IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet. _____
No. 2, from _____ to _____	feet. _____
No. 3, from _____ to _____	feet. _____
No. 4, from _____ to _____	feet. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	305	305	Red clay and Calchie				
305	652	347	Salt				
652	1628	976	Anhy and dolomite				
1628	2036	408	Red sand and Anhy				
2036	2382	346	dolomite and sand				
2382	3550	1168	Dolomite				



LaRue Drilling Co., Inc. — Oil Well Drilling Contractors

P.O. BOX ~~200~~ 470 ARTESIA, NEW MEXICO 88210

September 28, 1984

JEM Resources
PO Box 2938
Ruidoso, NM 88345

Re: Red Twelve State #4
990' FSL & 2310' FEL
Sec. 5, T17S, R29E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
847'	1/4°
1345'	1/4°
1843'	1/4°
2340'	1/4°
3060'	3/4°
3278'	1/4°
3549'	1°

Very truly yours,

B. N. Muncy Jr.
Secretary

BNM/rig

STATE OF NEW MEXICO
COUNTY OF EDDY

The foregoing was acknowledged before me this 28th day of September, 1984.

Notary Public