Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

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

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: E4200

1a. TYPE OF WELL: Dry — OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER

7. Unit Agreement Name:

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

8. Farm or Lease Name: Cave State

2. Name of Operator: J.E.M. Resources Inc.

9. Well No.: 2

3. Address of Operator: P.O. Box 2938 Ruidoso, N.M. 88345

10. Field and Pool, or Wildcat: Cave - Grayburg - SA

4. Location of Well: UNIT LETTER H LOCATED 1650 FEET FROM THE North LINE AND 330 FEET FROM

12. County: Eddy

THE east LINE OF SEC. 5 TWP. 17S RGE. 29E NMPM

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
12-11-83	12-16-83	1-5-84	3406 GR	3408

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
2530	2505		→	2530	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 2447-2468 San Andres

25. Was Directional Survey Made: no

26. Type Electric and Other Logs Run: CNL /FDC / Cmt. Bond CCL

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#	327	12¼	481 sxs Circulated	none
5½	15.5 #	2530	7 7/8	875 sxs Circulated	none

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	2420	

31. Perforation Record (Interval, size and number)

2447-2468 28 .40 cal shots.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2447-2468	2500 gal 15% HCl
" "	70,000 gal Gel Wtr.
	120,000 # sd.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
1-5-84	PUMP 1½". Lo-No	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
1-15 84	24	7/8"		41	111	18	2707

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.): vented

Test Witnessed By: Herb Spencer

35. List of Attachments

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 [signature] TITLE GEOLOGIST DATE 1-20-84

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special 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 quintuplicate 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	310	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	672	T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	1118	T. Devonian		T. Menefee		T. Madison	
T. Queen	1648	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg	2041	T. Montoya		T. Mancos		T. McCracken	
T. San Andres	2394	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		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. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 2364 to 2392 No. 4, from ..... to .....

No. 2, from 2448 to 2470 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	310	310	RED CLAY + CALICHE				
310	672		SALT				
672	1118		RED SAND + ANHY				
1118	1648		RED SAND + DOLO				
1648	2041		ANHY + SANDS				
2041	2394		DOLO + SANDS				
2394	2540		DOLO				