

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED BY

APR 26 1984

O. C. D.
ARTESIA, OFFICE

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B 7017
7. Unit Agreement Name
CPU
8. Farm or Lease Name
Cave pool Unit
9. Well No.
57
10. Field and Pool, or Wildcat
Cave GB/SA
12. County
Eddy

1a. TYPE OF WELL *Bqm*
OIL WELL ☒ GAS WELL ☐ DRY ☐
b. TYPE OF COMPLETION
NEW ☒ WORK OVER ☐ DEEPEN ☐
PLUG BACK ☐ DIFF. RESVR. ☐
2. Name of Operator
JEM Resources Inc. ☒
3. Address of Operator
P.O. Box 2938 Ruidoso NM. 88345
4. Location of Well
UNIT LETTER F LOCATED 1650 FEET FROM THE North LINE AND 1650 FEET FROM
THE West LINE OF SEC. 4 TWP. 17 S RGE. 29 E NMPM

15. Date Spudded 2/14/84 16. Date T.D. Reached 2/19/84 17. Date Compl. (Ready to Prod.) 3/25/84 18. Elevations (DF, RKB, RT, GR, etc.) 3589 Gr. 19. Elev. Casinghead 3590
20. Total Depth 2556 21. Plug Back T.D. 2545 22. If Multiple Comp., How Many
23. Intervals Drilled By Rotary Tools all Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name 2421-2500 Grayburg/Sanandres 25. Was Directional Survey Made no
26. Type Electric and Other Logs Run CNL/FDC GRN/CCL 27. Was Well Cored no

CASING RECORD (Report all strings set in well)						AMOUNT PULLED
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD		
8 5/8	24	355	12 1/2	225 Circulated		none
5 1/2	15.5	2556	7 7/8	550 Circulated		none

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	2510	free

31. Perforation Record (Interval, size and number)
2421-2500 24 .42 cal.
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
2421-2500 5250 gal 15% HCl
35,000 gal KCl wtr
50,000# 20/40 sd

33. PRODUCTION
Date First Production 3-26-84 Production Method (Flowing, gas lift, pumping - Size and type pump) pump 1.75" locno Well Status (Prod. or Shut-in) prod
2421-2500
Date of Test 4/1/84 Hours Tested 24 Choke Size 7/8" Prod'n. For Test Period 48 Oil - Bbl. 62 Gas - MCF 20 Water - Bbl. 1.29 Gas - Oil Ratio
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 Jay Roye

35. List of Attachments
Deviation survey logs

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 4/26/84

INSTRUCTIONS

This form is to be filled 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 <u>350</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>694</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>1668</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>2063</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>2410</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
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. Permian _____	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 _____

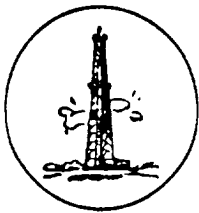
IMPORTANT WATER SANDS

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

No. 1, from <u>1785</u> to <u>1788</u> _____ feet	_____ water flow
No. 2, from _____ to _____ _____ feet	_____
No. 3, from _____ to _____ _____ feet	_____
No. 4, from _____ to _____ _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

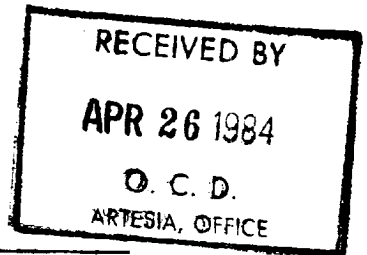
From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	350	350	calchie red sand				
350	694	344	salt				
694	1668	974	anhy				
1668	2063	395	Red sand and anhy				
2063	2410	347	Dolo and sand				
2410	2556	146	Dolo.				



R.D.C., INCORPORATED

Petroleum Exploration • Drilling • Production

VERIFICATION OF DEVIATION SURVEYS



WELL NAME AND NUMBER Cave State No. 4 C.P. 4. 57

LOCATION Sec. 4, 1650 FNL & 1650 FWL, T17S, R29E, Eddy Co., NM

OPERATOR ~~Diamondback Petroleum Company~~ J.E.M. Resources Inc.

DRILLING CONTRACTOR Rhymes Drilling Co., Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and has conducted deviation tests and obtained the following results:

DEGREES OF DEVIATION

AT A DEPTH OF

0 degrees
1/2 degree
3/4 degree
3/4 degree
2 degree

355
860
1313
1789
2556

DRILLING CONTRACTOR: Rhymes Drilling Co., Inc.

BY: J.A. Mitchell

SIGNATURE: J. Mitchell