

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other BLM
 b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other 98 FEB 23 PM 3

2. NAME OF OPERATOR

Elm Ridge Resources, Inc. (505) 326-7099

3. ADDRESS AND TELEPHONE NO.

312 West LaPlata St., Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

870' FSL & 890' FEL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

30-039-25610

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Icarilla Apache

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

Apache 12-R

9. API WELL NO.

30-039-25610

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

P 17-24n-5w NMPM

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED

1-1-98

16. DATE T.D. REACHED

1-12-98

17. DATE COMPL. (Ready to prod.)

2-16-98

18. ELEVATIONS (DP, RKB, RT, GR, ETC.)*

6,561' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6,843' (KB)

21. PLUG, BACK T.D., MD & TVD

6,800' (KB)

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

All

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6,624' - 6,635' & 6,651' - 6,693' (all KB, all Dakota)

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron/Density, Dual Induction, CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" K-55	24	344-354' KB	12-1/4"	250 sx & to surface	
4-1/2" K-55	10.5	6,843' KB	7-7/8"	1865 sx & to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2-3/8"	6,640' KB	

31. PERFORATION RECORD (Interval, size and number)

Perforated Dakota with 4 shots/foot
 OD=0.41". Formation broke down @ 3223#
 ATP 2300#, AIR 25 BPM, ISIP 1750#

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6,624'-6,635'	Stage tool @ 4776'
6,651'-6,693'	60 ton 20/40 LC sand
	1500 gal. 15% HCl

33. PRODUCTION

DATE FIRST PRODUCTION 2-9-98 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	WATER-OIL RATIO
2-9-98	3 hr	3/4"		.125	302	1.5*	30,000:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1,800	1,800		1	2,416	12*	390	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold. SI awaiting C-104 approval.

TEST WITNESSED BY

D. Endsley

35. LOGS FORWARDED BY Halliburton.

*frac water only

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE

2-19-98

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and

38.

GEOLOGIC MARKERS

IN	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			See Reverse	San Jose <i>Na</i>	0000'	
				Ojo Alamo	1694'	
				Kirtland	1950'	
				Fruitland	2119'	
				Pictured Cliffs	2248'	
				Lewis	2350'	
				Chacra	2978'	
				Climhouse	3767'	
				Menefee	3840'	
				Pt. Lookout	4450'	
				Mancos	4630'	
				Gallup	5503'	
				Greenhorn	6430'	
				Graneros Sand	6530'	
				Main Dakota	6623'	
				Burro Canyon	6738'	