

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 03 2013

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Farmington Field Office Bureau of Land Management	
1b. TYPE OF WELL		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESRV. <input type="checkbox"/>
2. NAME OF OPERATOR Elm Ridge Exploration Co. LLC						
3. ADDRESS AND TELEPHONE NO. Po Box 156 Bloomfield NM 87413, 505-632-3476						
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements *) At Surface 1610' FNL X 899' FEL At top prod. Interval reported below At total depth						
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH Rio Arriba		13. STATE NM
15. DATE SPUDDED 8-23-13	16. DATE T.D. REACHED 9-3-13	17. DATE COMPL. (Ready to prod.) 11-18-13		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6908' GR		19. ELEV. CASING HEAD
20. TOTAL DEPTH MD & TVD 7600' MD		21. PLUG BACK T.D., MD & TVD 7549' MD		22. IF MULTIPLE COMPL., HOW MANY* DRILLED BY X		23. INTERVALS ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 7179' - 7362'						25. WAS DIRECTIONAL SURVEY MADE
26. TYPE ELECTRIC AND OTHER LOGS RUN Spectral Density, high Resolution Induction Log, CBL LOG						27. WAS WELL CORDED
23. 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" J-55		24#	526'	12 1/4"	375 sks to surface	25 bbls
5 1/2" J-55		15.5#	7593'	7 7/8"	1275 sks to surface	90 bbls
29. LINER RECORD						
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2 3/8"	7176'
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
INTERVAL		SIZE	NUMBER	DEPTH INTERVAL (MD)		
7179' - 7362'		46	354	7179' - 7362'		
				AMOUNT AND KIND OF MATERIAL USED		
				ACID: 6500 gal of 7 1/2% MCA w/additives		
				FRAC: Pumped 13592379 MCSF of N2 followed by		
				70552 gals of 70Q Delta w/BBC frac fluid. Pumped 2619		
				sks of 20/40 CRC w/max BH concentration		
33.* PRODUCTION						
DATE FIRST PRODUCTION 11-18-13		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing				1. STATUS (Producing or shut in) Producing
DATE OF TEST 11-26-13	HOURS TESTED 24	CHOKE SIZE 8-May	PROD'N. FLOW TEST PERIOD TEST PERIOD	OIL--BBL. 1	GAS--MCF. 40	WATER--BBL. 40
FLOW. TUBING PRESS 80	CASING PRESS 420	CALCULATE 1	OIL--BBL. 1	GAS--MCF. 40	WATER--BBL. 40	OIL GRAVITY-API (CORR.) ACIDITY FOR RECORD
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY DEC 2 2013
35. LIST OF ATTACHMENTS						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED Amy Mackey		TITLE Sr. Regulatory Supervisor		DATE 12/2/2013		

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
San Jose	Surface		
Nacimiento	1110'		
Ojo Alamo	2270'		
Kirtland	2708'		
Fruitland Coal	2818'		
Pictured Cliffs	2969'		
Lewis	3021'		
Chacra	3815'		
Mesa Verde	4588'		
Mancos	5344'		
Gallup	6302'		
Greenhorn	7075'		
Graneros	7162'		
Dakota	7289'		

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK
OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

1b. TYPE OF WELL
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR
Elm Ridge Exploration Co. LLC

3. ADDRESS AND TELEPHONE NO.
Po Box 156 Bloomfield NM 87413, 505-632-3476

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. *)
At Surface 1610' FNL X 899' FEL
At top prod. Interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contract #9

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla Apache A 21

9. API WELL NO.
30-039-31127

10. FIELD AND POOL OR WILDCAT
Lindrieth Gallup Dakota West

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
"H" Sec. 36-T25N-R5W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. PERMIT NO.
DATE ISSUED

15. DATE SPUDDED
8-23-13

16. DATE T.D. REACHED
9-3-13

17. DATE COMPL. (Ready to prod.)
11-18-13

18. ELEVATIONS (DF, RK, RT, GR, ETC.)*
6908' GR

19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD
7600 MD 7593' TVD

21. PLUG BACK T.D., MD & TVD
7549' MD TVD

22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS X
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
7179' - 7362'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
Spectral Density, high Resolution Induction Log, CBL LOG

27. WAS WELL CORED

23. 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
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					60

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7176'	

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
7179' - 7362'	.46	354

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7179' - 7362'	ACID: 6500 gal of 7 1/2% MCA w/additives
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33. PRODUCTION

DATE FIRST PRODUCTION 11-18-13

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing

LL STATUS (Producing or shut in) Producing

DATE OF TEST 11-26-13

HOURS TESTED 24

CHOKE SIZE 5 8"

PROD'N. FLOW TEST PERIOD

OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

80 420 1 40

FLOW. TUBING PRESS CASING PRESS CALCULATE OIL-BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

80 420 1 40

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

TEST WITNESSED BY

DEC 03 2013

35. LIST OF ATTACHMENTS

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

SIGNED Amy Mackey TITLE Sr. Regulatory Supervisor DATE 12/2/2013

FARMINGTON FIELD OFFICE

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

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