

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.5. LEASE DESIGNATION AND SERIAL NO.
SF-078894

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Rosa Unit

8. FARM OR LEASE NAME

Rosa Unit

9. WELL NO.

312

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

L-28-31N-4W

12. COUNTY OR
PARISH
Rio Arriba13. STATE
New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Parker & Parsley Development Company.

3. ADDRESS OF OPERATOR

c/o A. R. Kendrick, Box 516, Aztec, NM 87410 (505) 334-2555

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

At surface 1490' FSL 230' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-039-25058

15. DATE SPUDDED 6/17/91 16. DATE T.D. REACHED 6/21/91 17. DATE COMPL. (Ready to prod.) 7/16/91 18. ELEVATIONS (DF, RESB, RT, GR, ETC.)* 6702' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3630' 21. PLUG, BACK T.D., MD & TVD 3578' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Fruitland Coal; 3506' to 3533'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray-Compensated Neutron/Density, MicroLog

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24# J-55	362'	12-1/4"	225 Sx (265 CuFt)	Circulated
5-1/2"	15.5# J-55	3630'	7-7/8"	1st: 100 Sx (116 CuFt) 2nd: 825 Sx (1498 CuFt)	Circulated
TOTALS: 925 Sx 1614 CuFt					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	3549'	

31. PERFORATION RECORD (Interval, size and number)

3506' to 3520', 3524' to 3528' & 3530' to 3533' W/48 0.5" holes phased @ 120°.

Re-perforated as above.

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

See back of page.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7/16/91	Flow	shut-in
DATE OF TEST	HOURS TESTED	CHEMICALS USED
7/17/91	2	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE
430	430	266
DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)	OIL—BBL.	GAS—MCF.
		22
		30
		360

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

TEST WITNESSED BY

AUG 0 1991

35. LIST OF ATTACHMENTS

OIL CON. DIV.
DIST. 3

FARMINGTON RESOURCE AREA

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

SIGNED AR Kendrick TITLE Agent

DATE July 31, 1991

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

NM000

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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				Ojo Alamo Kirtland Fruitland Fruitland Coal Pictured Cliffs	2916' 3019' 3317' 3444' 3535'	
T.D. 3188'. Cleaned out cement to PBID of 3578'. Pressure tested Casing to 3000 psi, tested OK. Spotted 250 gallons of 7-1/2% HCl 3283' to 3533'. Perforated 3506' to 3520', 3524' to 3528' & 3530' to 3533' W/48 0.5" holes @ 2 SPF phased at 120°. Spotted 714 gallons 7-1/2% acid, did selective perforation breakdown for frac. Attempted frac W/59,766 gallons linear and X-linked gel and 18,000# 40/70 Sand and 29,400# 20/40 Sand. Equipment breakdown, prepare for re-frac. Re-Perforate 3506' to 3520', 3524' to 3528' & 3530' to 3533' W/48 0.5" holes phased @ 120°. Re-Frac W/76,272 gallons 35# linear & X-linked gel and 26,200# 40/70 sand & 61,700# 20/40 sand. TOTAL STIMULATION 136,038 gallons gelled water and 44,200# 40/70 sand & 91,100# 20/40 sand.						