

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR

Santa Fe Energy Operating Partners, L.P.

3. ADDRESS OF OPERATOR

550 W. Texas, Suite 1330, Midland, Texas 79701

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

At surface

(P), 660' FSL and 860' FEL, Sec. 8, T-23S, R-31E

At top prod. interval reported below

At total depth

14. PERMIT NO. API # DATE ISSUED

30-015-27600

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

10-5-93

10-16-93

11-1-93

3305' GR

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20. TOTAL DEPTH, MD & TVD 21. PLUG. BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

8100'

7999'

N/A

All

N/A

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

7880'-7910' (Delaware)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIFL/GR; ZDL/CN/GR/C

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
13-3/8"	48#	585'	17-1/2"	650 sx Cl "C"	None
8-5/8"	32#	4072'	12-1/4"	1600 sx Lite + 500 sx "C"	None
5-1/2"	15.5 & 17.0	8010'	7-7/8"	525 sx H, 170 sx Lite + 400 sx Near	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	7785'	N/A

31. PERFORATION RECORD (Interval, size and number)

7880'-7910' (1 SPF) 30 holes w/ 4" csg gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7880-7910'	1500 gal 7 1/2% HCl w/60 BS. Frac'd w/ 79,490 gal gel w/ 131,500# 16/30 Ottawa Sand + 15,000# resin coated sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-1-93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-3-93	24	20/64"	→	396	505	191	1275
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
450	1020	→	396	505	191	39°	

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

Vented during test - connected to Llano, Inc. on 11/4/93.

TEST WITNESSED BY

535

35. LIST OF ATTACHMENTS

C-104, Deviation Survey, Logs

26 NOV 1993

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

SIGNED

Harry McCullough

TITLE Sr. Production Clerk

DATE Nov. 8, 1993

*(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):				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			No Cores or DST's taken	Rustler Salado Base Salt Lamar Bell Canyon Cherry Canyon Manzanita Marker Brushy Canyon Bone Spring	413 738 3878 4115 4146 5022 5192 6336 7981		413 738 3878 4115 4146 5022 5192 6336 7981