

NM OIL CONS. COMMISSION
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA, NM 88210

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 ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other ☐
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 (M), 330' FSL and 730' FWL, Sec. 17, T-23S, R-31E
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: NM-45235
6. IF INDIAN, ALLOTMENT OR NAME:
7. UNIT AGREEMENT:
8. FARM OR LEASE NAME: Pure Gold C-17 Federal
9. WELL NO.: 13
10. FIELD AND POOL, OR WILDCAT: Los Medanos (Delaware)
11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA: Sec. 17, T-23S, R-31E
12. COUNTY OR PARISH: Eddy
13. STATE: NM
14. PERMIT NO. API #: 30-015-27501
DATE ISSUED:
15. DATE SPUDDED: 7-30-93
16. DATE T.D. REACHED: 8-9-93
17. DATE COMPL. (Ready to prod.): 8-25-93
18. ELEVATIONS (OF. RKB, RT, GR, ETC.): 3319' GR
19. ELEV. CASINGHEAD: -
20. TOTAL DEPTH, MD & TVD: 8004'
21. PLUG. BACK T.D., MD & TVD: 7945' WL
22. IF MULTIPLE COMPL., HOW MANY: N/A
23. INTERVALS DRILLED BY: All
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 7790'-7830' (Delaware)
25. WAS DIRECTIONAL SURVEY MADE: No
26. TYPE ELECTRIC AND OTHER LOGS RUN: ZDL/CN/GR; DLL/MLL/GR
27. WAS WELL CORED: No

29. CASING RECORD (Report all strings set in well)						AMOUNT PULLED	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD			
13-3/8"	48#	600'	17-1/2"	800 sx C1 C (circ - surf)		None	
8-5/8"	32#	4018'	12-1/4"	1250 sx C-lite + 500 sx C-neat (circ)			
5-1/2"	15.5 & 17.0	8004'	7-7/8"	475 sx H, 125 sx Lite + 400 sx Neat			

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	7766'	N/A

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
7790'-7830' (40 holes) 4" csg gun		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		7790'-7830'	1400 gals 7-1/2% HCl + 75 BS. Frac'd w/ 61,600 gals gel + 91,500# 16/30 Ottawa sand and 15,000# 16/30 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)	
8-25-93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-30-93	24	22/64"		202	247	87	1223
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
380	1000		202	247	87	40°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Vented pending connection to Llano, Inc.
TEST WITNESSED BY:
35. LIST OF ATTACHMENTS: C-104, Logs, Deviation Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED: Amy McCullough TITLE: Sr. Production Clerk DATE: 8-31-93

*(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	
			No cores or DST's taken			TRUE VERT. DEPTH	
				Rustler	359	359	359
				Salado	686	686	686
				Base Salt	3800	3800	3800
				Lamar	4030	4030	4030
				Bell Canyon	4058	4058	4058
				Ramsey	4082	4082	4082
				Cherry Canyon	4967	4967	4967
				Manzanita Marker	5144	5144	5144
				Brushy Canyon	6300	6300	6300
				Bone Spring	7894	7894	7894