

UNIT: STATES, NEW MEXICO
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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. RESVR. ☐ Other _____

2. NAME OF OPERATOR
Santa Fe Energy Operating Partners, L.P.
3. ADDRESS OF OPERATOR
500 W. Illinois, Suite 500, Midland, TX 79701
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1989/8 + 660/E
At top prod. interval reported below
At total depth

14. PERMIT NO. API #30-025-30643
DATE ISSUED 2-24-89

15. DATE SPUDDED 6-22-89
16. DATE T.D. REACHED 7-9-89
17. DATE COMPL. (Ready to prod.) 8-21-89
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3812.7' GR
19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 8750'
21. PLUG, BACK T.D., MD & TVD 8648'
22. IF MULTIPLE COMPL., HOW MANY* N/A
23. INTERVALS DRILLED BY
24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
8412-8490' (18 holes) Bone Spring
25. TYPE ELECTRIC AND OTHER LOGS RUN
GR/CNL/LDT; DLL/RXO; EPT; BHC; Cyberlook
26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/CNL/LDT; DLL/RXO; EPT; BHC; Cyberlook
27. TYPE ELECTRIC AND OTHER LOGS RUN
GR/CNL/LDT; DLL/RXO; EPT; BHC; Cyberlook

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48	415'	17 1/2"	500 sx C1 C (circ)	None
8 5/8"	24	2723'	12 1/4"	1200 sx lite & 300 sx C	None
5 1/2"	17	8740'	7 7/8"	1st stage: 175 sx lite &	None
475 sx H.	2nd stage: 475 sx lite &	200 sx H			

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
N/A					SIZE 2 7/8 DEPTH SET (MD) 8308 PACKER SET (MD) None

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
8412-8428'	9 holes	1 JSP2F
8474-8490'	9 holes	1 JSP2F

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8412-8490'	2000 gal 7 1/2% Morrow acid & 26 ball sealers. Fraced w/70,500 gal KCl & 174,000# 20-40 Ottawa sand tagged w/scandium & iridium.

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8-19-89	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-22-89	24	23/64		342	385	89 BLW	1125

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
250	--		342	385	89 BLW	40 deg

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold - Conoco, Inc. sales line
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 Jorge McCullough TITLE Sr. Production Clerk DATE 8-23-89

*(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 in any matter within its jurisdiction.

CARLSBAD, NEW MEXICO

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1225'					
Salt Top	2572'	2838'				
Salt Base	2838'	3250'				
Yates	3250'	3970'				
7 Rivers	3970'	4252'				
Queen	4252'	4463'				
Penrose	4463'	5238'				
Grayburg	5238'	6803'				
Delaware	6803'	8330'				
Bone Spring	8330'	8600'				
1st BS sand	8600'	8743' TD				
1st BS Carb						

RECEIVED
SEP 13 1989
OCD
HOBBS OFFICE

RECEIVED
SEP 13 1989
OCD
HOBBS OFFICE