

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NM OIL CONSERVATION
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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 ☐				1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ 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 (N), 660' FSL and 1980' FWL, Sec. 8, T-22S, R-24E At top prod. interval reported below At total depth				5. LEASE DESIGNATION AND SERIAL NO. NM-83552				6. IF INDIAN, ALLOTTEE OR TRIBE NAME																							
15. DATE SPUDDED 10-17-93				16. DATE T.D. REACHED 11-8-93				17. DATE COMPL. (Ready to prod.) 12-7-93				18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* 4120'.4' GR				19. ELEV. CASINGHEAD --				7. UNIT AGREEMENT NAME				8. FARM OR LEASE NAME Old Ranch Knoll 8 Fed Com				9. WELL NO. 2				10. FIELD AND POOL OR WILDCAT Indian Basin (Upper Penn)				11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 8, T-22S, R-24E				12. COUNTY OR PARISH Eddy				13. STATE NM			
20. TOTAL DEPTH, MD & TVD 8431'				21. PLUG, BACK T.D., MD & TVD 8236'				22. IF MULTIPLE COMPL. HOW MANY* N/A				23. INTERVALS DRILLED BY All				ROTARY TOOLS All				CABLE TOOLS N/A				24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8140'-46' & 8154'-60' (Cisco/Canyon)				25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/MSFL/LDT/CNL				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#		353'		17 1/2"		400 sx C + 5 1/2 yds Redi-mix										None																													
9-5/8"		36#		2493'		12 1/4"		200 Thix-set, 1150 Lite + 10 1" jobs w/ 630 sx C										300 sx Cl C																													
7"		26#		8431'				475 sx H + 100 sx Thix-set																																							
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"		7503																																			
31. PERFORATION RECORD (Interval, size and number) 8194'-8214' (8 holes) plugged off 8140'-46' & 8154'-60' (8 holes)														32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 8194'-8214' Howco CIGR @ 8180' 8140'-8160' 1500 gals 20% HCL and 16 BS																																	
33. PRODUCTION																																															
DATE FIRST PRODUCTION 12-2-93				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Submersible pump										WELL STATUS (Producing or shut-in) Shut-In																																	
DATE OF TEST 12-10-93		HOURS TESTED 24		CHOKE SIZE N/A		PROD'N. FOR TEST PERIOD		OIL—BBL. 401		GAS—MCF. 211		WATER—BBL. 690		GAS-OIL RATIO 526																																	
WELL TUBING PRESS. 100		CASING PRESSURE 70		CALCULATED 24-HOUR RATE		OIL—BBL. 401		GAS—MCF. 211		WATER—BBL. 690		OIL GRAVITY-API (CORR.) 40.8°																																			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test. SI WOPL connection														TEST WITNESSED BY ACCEPTED FOR																																	
35. LIST OF ATTACHMENTS C-104, Deviation Survey, Logs																																															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																															
SIGNED <i>[Signature]</i>														TITLE Sr. Production Clerk														DATE 12-23-93																			

*(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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Andres	1055'	
				Glorieta	2506'	
				Yeso	2550'	
				Bone Spring	4520'	
				3rd Bone Spring	6733'	
				Wolfcamp	7246'	
				Cisco/Canyon	7950'	

Santa Fe Energy
Old Ranch Knoll '8' Fed. Com. #2
Eddy County, NM

STATE OF NEW MEXICO
DEVIATION REPORT

168	1/4
353	1-1/4
580	3/4
927	1-1/2
1,080	1-1/2
1,268	3/4
1,521	1-1/2
1,992	3/4
2,494	1-3/4
2,673	1-1/2
2,992	1
3,468	1/2
3,938	1-1/2
4,221	1-1/4
4,500	2
4,816	1-3/4
5,316	2-1/4
5,489	2
5,975	1-3/4
6,474	1-1/2
6,946	2
7,418	2
7,917	3-1/4
8,390	2-1/2
8,430	2-1/2

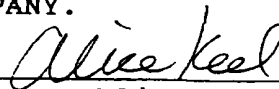


By: Ray Peterson

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me
this 12th day of November, 19 93, by RAY PETERSON
on behalf of PETERSON DRILLING COMPANY.



Notary Public for Midland
County, Texas

My Commission Expires: 8/2/96