

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	N.M. Oil Cons	
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP. EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐
2. NAME OF OPERATOR		Santa Fe Energy Resources, Inc.				P.O. Box 1980 Hobbs, NM 88241
3. ADDRESS AND TELEPHONE NO.		550 W. Texas, Suite 1330, Midland, TX 79701				915/687-3551
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface (G), 1650' FNL and 2310' FEL. Sec. 20, T-22S, R-34E				
At total depth						
14. PERMIT NO.		DATE ISSUED		acc		
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
9/18/97		11/7/97		11/25/97		3454' GR
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY
13,440'		13,220'		N/A		ROTARY TOOLS All
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED
12,944-47'. 12,954-76' (Morrow)		No		Platform Express CN Three Detector Density/GR; Azimuthal Laterolog MicroCFL		No
28. CASING RECORD (Report all strings set in well)						
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED
20" 155	94.0#	842'	26"	1150 sx Lite & C (circ'd)		None
9-5/8" 80 & K-55	40.0#	5143'	12-1/4"	1450 sx 65:35 & C-Neat (circ'd)		None
7" P-110	26.6#	11,870'	8-3/4"	950 sx 50:50 Poz H (TOC 8500')		None
29. LINER RECORD						
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
4-1/2" P-110	11,617'	13,438'	200 sx C1 H		2-3/8"	12,831'
30. TUBING RECORD						
PACKER SET (MD)						
12,870'						
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
12,944-12,947' (8 holes) 2 JSPF				DEPTH INTERVAL (MD)		
12,954-12,976' (46 holes) 2 JSPF				AMOUNT AND KIND OF MATERIAL USED		
				12,944'-12,976'		
				Natural Completion		
33.* PRODUCTION						
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)
12/9/97		Flowing				Producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.
12/31/97	4	Varied		7.5	602	.33
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)
5477-5865#	pkf.		45	CAOF 122795	2	52.0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY	
Sold - LG&E (1st sales 12/9/97)						
35. LIST OF ATTACHMENTS						
C-122 + 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		TITLE				DATE
[Signature]		Sr. Production Clerk				Jan. 8, 1998

*(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
Upper Brushy Cny	7300	7318	Oil Zone	Delaware	5260	
Middle Brushy Cn	7533	7684	Oil Zone	Bone Spring	8466	
Morrow Grana	12,954	12,978	Gas Zone	Wolfcamp	11,448	
				Strawn	11,860	
				Atoka Clastics	12,132	
				Morrow Carb	12,390	
				Morrow Clastics	12,942	
Ridge A Sand						