

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons. Division
517 S. 1st Street
Artesia, NM 88210-2894

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 ☐ Other _____		7. UNIT AGREEMENT NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		8. FARM OR LEASE NAME, WELL NO. Foal "20" Fed. No. 1	
2. NAME OF OPERATOR Santa Fe Energy Resources, Inc.		9. AP WELL NO. 30-015-28988	
3. ADDRESS AND TELEPHONE NO. 550 W. Texas, Suite 1330, Midland, TX 79701		10. FIELD AND POOL, OR WILDCAT DUBLIN RANCH Undesignated (Morrow)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* (C), 660' FNL and 1980' FWL, Sec. 20, T-22S, R-28E At surface At top prod. interval reported below At total depth		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T-22S, R-28E	
14. PERMIT NO. DIST. 2		12. COUNTY OR PARISH Eddy	
13. STATE NM			
15. DATE SPUDDED 5/30/96	16. DATE T.D. REACHED 7/9/96	17. DATE COMPL. (Ready to prod.) 8/21/96	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3071' GL
19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 12,450'	21. PLUG, BACK T.D., MD & TVD 12,245'	22. IF MULTIPLE COMPL., HOW MANY* N/A	23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS All N/A
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 11,804' - 12,230' (Morrow)			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN PEL/LDT/CNL; CMR; MSCT			27. WAS WELL CORED No

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
13-3/8" H-40	48.0	465'	17-1/2"	450 sx CT C (circ'd)	None
9-5/8" J-55	36.0	2413'	12-1/4"	1100 sx POZ & C (circ'd)	None
7" P-110	26.0	10,147'	8-3/4"	1950 sx H POZ (TOC 2500')	None

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
4-1/2"	9844'	12,449'	300 sx H		2-3/8"	11,734'
						11,716'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
12,274' - 12,281' (Plugged)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
12,064' - 12,230' (Open)		12,274' - 12,281'	CIBP @ 12,265' w/ 20' cmt on top.
11,804' - 12,043' (Open)		12,064' - 12,230'	1000 gals. 10% HCl & 10 tons CO2 w/ 28 ball sealers.

33.* PRODUCTION							
DATE FIRST PRODUCTION 8/21/96		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) SI - WOPL	
DATE OF TEST 8/22/96	HOURS TESTED 4	CHOKE SIZE varied	PROD'N. FOR TEST PERIOD →	OIL - BBL. 0	GAS - MCF. 161	WATER - BBL. 0	GAS - OIL RATIO N/A
FLOW. TUBING PRESS. 3025	CASING PRESSURE Pkr.	CALCULATED 24-HOUR RATE →	OIL - BBL. 0	GAS - MCF. CAOF 6737	WATER - BBL. 0	OIL GRAVITY - API (CORR.) N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - SI WOPL construction		ACCEPTED FOR RECORD (ORIG. SGD.) DAVID E. GLASS OCT 22 1996
35. LIST OF ATTACHMENTS C-104, Logs, C-122 w/attachments		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		
SIGNED <i>David E. Glass</i> TITLE Sr. Production Clerk		DATE Oct. 2, 1996

(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	2412	5920	Sand, Shale	Delaware	2412	
Bone Spring	5920	9470	Lime, Sand, Shale	Bone Spring	5920	
Wolfcamp	9470	10822	Shale, Lime	Wolfcamp	9470	
Strawn	10822	10982	Lime, Shale	Strawn	10822	
aka	10982	11800	Lime, Shale, Chert	Atoka	10982	
Morrow	11800	TD	Sand, Shale, Lime	Morrow Clastics	11800	
				Lower Morrow	12182	