

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. Oil Cons. E. sion
SUBMIT IN DUPLICATE
811 S. 1ST ST.
ARTESIA, NM 88210-2834

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-88134	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Santa Fe Energy Resources, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 550 W. Texas, Suite 1330, Midland, TX 79701		8. FARM OR LEASE NAME, WELL NO. H. B. "11" Fed. No. 4	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface (D), 510' FNL & 560' FWL, Sec. 11, T-24S, R-29E At top prod. interval reported below At total depth		9. API WELL NO. 30-015-29625	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Pierce Crossing (Bone Spring), East	
15. DATE SPUDDED 6/2/97		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T-24S, R-29E	
16. DATE T.D. REACHED 6/16/97		12. COUNTY OR PARISH Eddy	
17. DATE COMPL. (Ready to prod.) 8/14/97		13. STATE NM	
18. ELEVATIONS (DE, RT, GR, ETC.)* 8038' - 8150'		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 8505'		21. PLUG, BACK T.D., MD & TVD 8465'	
22. IF MULTIPLE COMPL., HOW MANY* N/A		23. INTERVALS DRILLED BY A11	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 8038' - 8150' (Bone Spring)		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Platform Express 3 Detector Density/CNL, Azimuthal Laterolog		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"	48.0	355'	17-1/2"	400 sx CI "C" (circ'd)	N/A
8-5/8"	32.0	3009'	11"	1150 sx Poz & C (surf)	N/A
5-1/2"	15.5 & 17.0	8505'	7-7/8"	900 sx C-Lite & "H"	TOC Surf.

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
N/A					2-7/8"	7874'

PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8128' - 8150' (12 holes)	1 SPF w/4" csg gun	8128' - 8150'	800 gal 15% HCl & 24 balls.
8038' - 8078' (6 holes)	1 SPF w/4" csg gun	8038' - 8078'	750 gal 15% HCl & 12 balls.
		8038' - 8150'	Frac w/42,540 gal gel & 122,400# sand.

PRODUCTION							
DATE FIRST PRODUCTION 8/12/97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 9/1/97	HOURS TESTED 24	CHOKE SIZE 14/64"	PROD'N. FOR TEST PERIOD 49	OIL - BBL. 49	GAS - MCF. 580	WATER - BBL. 14	GAS - OIL RATIO 11,837
FLOW. TUBING PRESS. 240	CASING PRESSURE 550	CALCULATED 24-HOUR RATE 49	OIL - BBL. 49	GAS - MCF. 580	WATER - BBL. 14	OIL GRAVITY - API (CORR.) 44.1	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

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

James M. Callaghan

TITLE Sr. Production Clerk

DATE 9/11/97

*(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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	3114	6856	Sandstone, Shale, Limestone			
Cherry Canyon	3952	5566	Sandstone, Shale, Limestone			
Brushy Canyon	5566	6856	Sandstone, Shale, Limestone			
Bone Spring	6856	8505	Limestone, Shale, Sandstone			

June 19, 1997

WELL NAME AND NUMBER: H. B. 11 FED # 4
LOCATION: SEC 11-24S-29E
OPERATOR: SANTA FE ENERGY RESOURCES
DRILLING CONTRACTOR: PATTERSON DRILLING COMPANY

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPTH	
0.75	355	2.00	2900	1.50	7365
0.75	845	1.50	3015	1.50	7625
2.50	1324	0.75	3505	1.00	7842
2.25	1419	0.50	3976	1.75	8153
2.00	1513	1.00	4474	1.00	8505
1.50	1734	0.75	4965		
1.25	1826	1.00	5435		
0.50	1945	1.50	5925		
0.75	2197	1.50	6310		
1.75	2506	2.00	6619		
1.00	2595	1.75	6841		
1.50	2685	1.00	7122		

Drilling Contractor
Patterson Drilling Company

By: Billy Jensen
Billy Jensen

Subscribed and sworn to before me on this 19th day of June, 1997

My Commission Expires: Sept. 29, 1998

Debbie L. Fountain

