

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.W. Oil Corp.

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

C15F

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 P&A

2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

3. ADDRESS AND TELEPHONE NO.

550 W. Texas, Suite 1330, Midland, TX 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

(K), 1900' FSL & 1900' FWL, Sec. 12, T-24S, R-31E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

13. STATE

Eddy

NM

15. DATE SPUDDED

8/09/97

16. DATE T.D. REACHED

9/08/97

17. DATE COMPL. (Ready to prod.)

9/10/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3541' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8543'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

A11

CABLE TOOLS

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

N/A

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Platform Express CNL/LDT/GR/CAL; Array Ind

27. WAS WELL CORED

Sidewall

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
13-3/8" H-40	48.0	608'	17-1/2"	600 sx C1 "C" (circ'd)	None
8-5/8" K-55	32.0	4415'	11"	1800 sx Poz & C (circ'd)	None

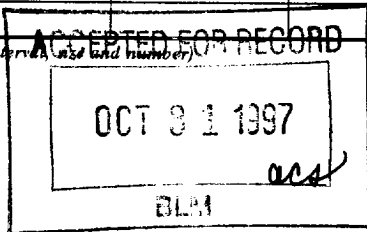
29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)



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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6487'	120 sx Prem Neat (Plug #1)
4484'	50 sx Prem Neat (Plug #2)
668'	25 sx Prem Neat (Plug #3)
50' - Surface	10 sx Prem Neat (Plug #4)

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
						P&A'd	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

3160-5, Logs, Deviation Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Larry M. Cullough

TITLE Sr. Production Clerk

DATE

9/17/97

*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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ramsey	4582		Sand			
Cherry Canyon	5514	7098	Sand & Shale			
Brushy Canyon	7098	8096	Sand & Shale			
basal Brushy Can	8096	8396	Sand & Shale			
Bone Spring	8396	8543	Limestone			