

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION

Drawn by DDPI TE

Artesia, NM 88210

RECEIVED

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

dsf

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 ☐

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

(O), 330' FSL and 1980' FEL, Sec. 9, T-23S, R-31E

At top prod. interval reported below

At total depth

14. PERMIT NO.

30-015-27517

DATE ISSUED

15. DATE SPUDDED

1-21-94

16. DATE T.D. REACHED

2-8-94

17. DATE COMPL. (Ready to prod.)

3-6-94

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

3359' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8185'

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

8131'

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, FRAME (MD and TVD)*

7980'-8020' (Delaware)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

LDT/CNL; DLL/MSFL

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"	48.0	583'	17-1/2"	350 sx C1 C (circ'd)	None
8-5/8"	32.0	4148'	12-1/4"	1400 sx C-lite & 500 sx C1 C (circ'd)	
5-1/2"	15.5 & 17.0	8180'	7-7/8"	585 sx H, 150 sx C-lite, and 400 sx Neat	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8042'	N/A

31. PERFORATION RECORD (Interval, size and number)

7980'-8020' (1 SPF) 4" csg gun
total of 40 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7980'-8020'	1500 gal 7½% NEFE acid & 70 BS. Frac w/ 12,000 gal 20# pre-pad, 19,800 gal 35# gel, 42,000# 35# x-linked gel, 152,000# Ottawa sand and 15,000# resin coated sand.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-25-94		Pumping 2" x 1½" x 22' Insert pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-10-94	24	n/A	→	307	128	154	417
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
N/A	150	→	307	128	154	40°	

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

Sold - connected to Llano, Inc.

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

TITLE Sr. Production Clerk

DATE March 17, 1994

*(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
Bell Canyon	4211	5216	Sandstone, Shale, Limestone			
Cherry Canyon	5216	6402	Sandstone, Shale, Limestone			
Brushy Canyon	6402	8076	Sandstone, Shale, Limestone			
Bone Spring	8076	8155 (TD)	Limestone, Shale			



KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498
505/623-5070 505/746-2719
ROSWELL, NM ARTESIA, NM

February 10, 1994

Santa Fe Energy Operating Partners, L.P.
550 W. Texas, Suite 1330
Midland, Texas 79701

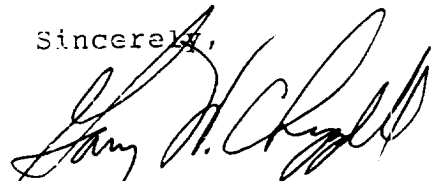
RE: N. Pure Gold "9" #9

Gentlemen:

The following is a deviation survey on the above referenced well located in Eddy County, New Mexico.

184' - 1/4	2064' - 1	4148' - 2 1/2	6649' - 1/4
383' - 1/2	2380' - 1	4644' - 1 3/4	7149' - 1/4
582' - 1/2	2875' - 1 1/2	5141' - 1	7649' - 3/4
1064' - 1/2	3344' - 1 1/2	5641' - 1	7825' - 1/2
1564' - 3/4	3844' - 2	6149' - 1	8185' - 3/4

Sincerely,



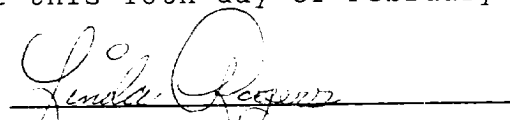
Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 10th day of February 1994 by Gary W. Chappell.

MY COMMISSION EXPIRES

October 07, 1996



NOTARY PUBLIC