

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in duplicate

(See other instructions on reverse side)

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

SK

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐ JUL 23 11 49 AM '93

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ AUG 27 1993

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 (L), 1886' FSL and 386' FWL, Sec. 9, T-23S, R-31E

At top prod. interval reported below

At total depth

14. PERMIT NO. API # 30-015-27442 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM-77046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Pure Gold 9 Federal
9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Los Medanos (Delaware)

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

Sec. 9, T-23S, R-31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED 6-19-93 16. DATE T.D. REACHED 7-2-93 17. DATE COMPL. (Ready to prod.) 7-15-93 18. ELEVATIONS (DF. RKB. RT. GE. ETC.)* 3343' GR 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH. MD & TVD 8120' 21. PLUG. BACK T.D., MD & TVD 8073' 22. IF MULTIPLE COMPL., HOW MANY? N/A 23. INTERVALS DRILLED BY ROTARY TOOLS All CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 7920'-7976' (Delaware) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN ZDL/CN/GR; DLL/MLL/GR 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	590'	17-1/2"	800 sx Cl C - circ	None
8-5/8"	32.0	4090'	12-1/4"	1800 sx PSL & "C"	None
5-1/2"	15.5 & 17.0	8120'	7-7/8"	1160 sx H, C-Lite & C-Neat	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	7778'	N/A

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
7920'-7976' (56 holes) 4" csg gun		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		7920-7976'	1400 gal 7 1/2% HCL + 75 BS.
			Frac w/8000 gal pre-pad,
			38,850 gal gel + 95,000#
			16/30 Ottawa sand.

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7/15/93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/24/93	24	14/64"	→	218	250	60	1147
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
880	1240	→	218	250	60	40°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold - connected to Llano, Inc. on 7/15/93 TEST WITNESSED BY

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 [Signature] TITLE Sr. Production Clerk DATE 7/28/93

*(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.
			No Cores or DST's

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	422	422
Salado	745	745
Base Salt	3888	3888
Lamar	4124	4124
Bell Canyon	4153	4153
Ramsey	4176	4176
Cherry Canyon	5040	5040
Cherry Canyon		
Marker	5240	5240
Brushy Canyon	6374	6374
Bone Spring	8023	8023



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

July 05, 1993

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

RE: N. Pure Gold "9" #3

Gentlemen:

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

480' - 1/2°	3510' - 2 3/4°	6368' - 1°
590' - 3/4°	3979' - 2 1/2°	6873' - 1 1/2°
1068' - 1 1/4°	4090' - 2 1/2°	7345' - 1°
1566' - 1°	4564' - 2°	7845' - 1°
2064' - 1/4°	4909' - 1 1/2°	8120' - 1 1/2°
2537' - 3/4°	5398' - 1°	
3037' - 1°	5868' - 3/4°	

Sincerely,

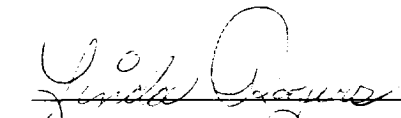

Gary W. Chappell
Contracts manager

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 05th day of July 1993 by Gary W. Chappell.

MY COMMISSION EXPIRES

October 07, 1996


NOTARY PUBLIC