

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

457
Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:
NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other _____

2. NAME OF OPERATOR
Santa Fe Energy Operating Partners, L.P. MAR 20 1991

3. ADDRESS OF OPERATOR
550 W. Texas, Suite 1330, Midland, Texas 79701 O.C.D. ARTESIA OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface (F) 2030' FNL & 1980' FWL, Sec. 22, T-23S, R-29E

At top prod. interval reported below

At total depth

14. PERMIT NO. API # DATE ISSUED
30-015-26407

5. LEASE DESIGNATION AND SERIAL NO.

NM-66425

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Laguna Salado South Unit

8. FARM OR LEASE NAME

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Laguna Grande
Eddy, Morrow

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

Sec. 22, T-23S, R-29E

12. COUNTY OR PARISH Eddy 13. STATE NM

15. DATE SPUDDED 6-29-90 16. DATE T.D. REACHED 9-22-90 17. DATE COMPL. (Ready to prod.) 2-1-91 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 2961.2' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 13,630' 21. PLUG, BACK T.D., MD & TVD 13,545' 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)* 13,158'-13,186' (Morrow) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDT; 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#	370'	17-1/2	550 sx "C" + 230 sx Neat	None
9-5/8"	40#	3005'	12-1/4	1600 sx PSL + 200 sx "C"	None
7"	26#	10,380'	8-3/4	800 sx 50/50 POZ	None
			6-1/8		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2	10,060'	13,630'	475 sx H		2-3/8"	13,022'	13,056'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
11,859'-11,940' (32 holes) squeezed off		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13,182'-13,186' (9 holes) 2 SPF w/ Vann Gun System		11,859-940'	Squeezed w/ 100 sx Cl H
13,158'-13,168' (40 holes) 4 SPF 1-11/16"		13,182-186'	500 gal Dowell Freflow + 1000 gal 7 1/2% Morrow acid

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-1-91		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
2-26-91	4	var		0	335	0	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
2605	pkv		0	CAOF 5142	0	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold - Pinnacle Natr. Gas gathering line

35. LIST OF ATTACHMENTS
C-122 w/ attach, 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 Jerry McCullough TITLE Sr. Production Clerk DATE March 12, 1991

*(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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Wolfcamp	11043	11090	DST #1 - IH 8237, IF (13 min) 3543 - 3594; ISI (66 min) 8250, 2nd Flow (186 min) 3656-1899, 2nd SI (318 min) 8004, 3rd Flow (122 min) 1391-1615, FSI (359 min) 7751, BHT 163° F DP Rec 5.5 Bbls Cond. Sample Chamber Rec 5.2 CFG, 250 cc oil (55.4° API @ 60° F), 800 psi. Flow Rate thru Sep 736 MCF at end of 3rd flow	Lamar Limestone	2973	+5
				Delaware Sandstone	3047	-69
				Bone Spring	6743	-3765
Wolfcamp	11012	11090	DST #2 - IH 8429, IF (5 min) 4179-4262, ISI (32 min) 7842, FF (1465 min) 4206-1522, FSI (360 min) 6276 Sample Chamber Rec 23.65 CFG, 400 cc Cond (55° API) 4300 psi. DP Rec 11.1 Bbl Cond + 2 BW, Flow rate 413 MCF/26 hrs.	1st Bone Spring Sandstone	7713	-4735
				2nd Bone Spring Sandstone	8540	-5562
				Wolfcamp	9963	-6985
Strawn	11841	11925	DST #3 - IH 7444, IF (5 min) 3383-3383, ISI (69 min) 6937, 2nd Flow (17 min) 3256-3511, 2nd SI (62 min) 6747, FF (11 min) 1538-2238, FSI (129 min) 6747. Sample Chamber Rec 100 cc wtr + 0.61 CFG @ 500 psi. RN closed chamber test. Teleflow rate of 5.25 MMCFG/D @ end of 1st flow. On 2nd flow teleflow rate of 14.25 MMCFG/D. SWI due to surface leaks.	Strawn	11855	-8877
				Lower Atoka Limestone	12291	-9313
				Lower Morrow	13408	-10430

38.