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**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form O-105
Revised 10-1-74

5a. Indicate Type of Lease	
State ☒	Fee ☐
5b. State Oil & Gas Lease No.	

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____				7. Unit Agreement Name Saunders Reef	
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____				8. Form or Lease Name State NM "11"	
2. Name of Operator Santa Fe Energy Co				9. Well No. 2	
3. Address of Operator One Security Park, 7200 I-40 West, Amarillo, Texas 79106				10. Field and Pool, or Wildcat Sowell Morrow	
4. Location of Well UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM West LINE OF SEC. 11 TWP. 15 S RGE. 32 E				11. County Lea	
15. Date Spudded 10-11-81	16. Date T.D. Reached 11-30-81	17. Date Compl. (Ready to Prod.) 1-19-82	18. Elevations (DF, RKB, RT, GR, etc.) 4297' DF	19. Elev. Casinghead 4284	
20. Total Depth 12,446'	21. Plug Back T.D. 12,374'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools A11	Cable Tools	
24. Producing Interval(s), of this completion - Top, Bottom, Name 12,336'-12,344' 33 holes Morrow Sand				25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run DILL & CNL/FDC/GR from 4120' & CNL/CDL/GR & DLL/MLL/GR from 12,444' (TD)-4112'				27. Was Well Cored No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./ FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5	420'	17 1/2"	420 sx - cmt circ	None
8 5/8"	32	4120'	11"	2750 sx - cmt circ	None
5 1/2"	20 & 17	12,440'	7 5/8"	1300 sx	None
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
31. Perforation Record (Interval, size and number) 12,336'-12,344' 8' 33 holes Morrow Sand			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 12,336'-12,344' Van Gunn Completion No stimulation used		
33. PRODUCTION					
Date First Production 1-28-82		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Shut in	
Date of Test 1-28, 1-29, 82	Hours Tested 24	Choke Size " 9.5/64 " Variable	Pro'n. Per Test Period 121.7	Oil - Bbl. 665	Gas - Oil Ratio 5464
Flow Tubing Press. 2620 psi	Casing Pressure 0	Calculated 24-Hour Rate 121.7	Gas - MCF 665	Water - Bbl. TSTM	Oil Gravity - API (Corr.) 81.6°
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold into Warren Petroleum Company pipeline				Test Witnessed By James Moore	
35. List of Attachments					
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNED Patrick Jay Leavin		TITLE Production Engineer		DATE January, 1982	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>Rustler</u> 1483	T. Canyon <u>10,558</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>11,267</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>11,503</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2540</u>	T. Miss <u>12,374</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4035</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5489</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock <u>5805</u>	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry <u>6265</u>	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>6904</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard <u>7031</u>	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>7578</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>8970</u>	T. Morrow <u>11,935'</u>	T. Chinle _____	T. _____
T. Penn. <u>10,120</u>	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) <u>10,120</u>	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>12,336</u> to <u>12,344</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	9580	9580	Sample descriptions not recorded.				
9580	10,120	540	Limestone w/interbedded Shale.				
10,120	10,558	438	Limestone				
10,558	11,390	832	Sample descriptions not recorded.				
11,390	11,503	113	Limestone				
11,503	11,870	367	Shale w/interbedded Limestone.				
11,870	11,935	65	Sandstone w/interbedded Shale				
11,935	12,374	439	Sand & Shale interbedded				
12,374	12,446	72	Limestone				

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