

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

5a. Indicate Type of Lease  
State ☒ Fee ☒  
5. State Oil & Gas Lease No.  
30-005-20797

7. Unit Agreement Name  
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8. Farm or Lease Name  
Southard "A"

9. Well No.  
3  
10. Field and Pool, or Wildcat  
Tom-Tom (San Andres)

12. County  
Chaves

1. OF COPIES RECEIVED  
DISTRIBUTION  
SANTA FE  
FILE  
U.S.G.S.  
LAND OFFICE  
OPERATOR

1a. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐  
b. TYPE OF COMPLETION  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator  
Flag-Redfern Oil Company

3. Address of Operator  
P. O. Box 2280, Midland, Texas 79702

4. Location of Well  
UNIT LETTER A LOCATED 660' FEET FROM THE North LINE AND 660' FEET FROM THE East LINE OF SEC. 26 TWP. 7-S RGE. 31-E NMPM

15. Date Spudded 1/6/82 16. Date T.D. Reached 1/14/82 17. Date Compl. (Ready to Prod.) 3/5/82 18. Elevations (DF, RAB, RT, GR, etc.) 4374 GR 19. Elev. Casinghead 4374

20. Total Depth 4150' 21. Plug Back T.D. 4147' 22. If Multiple Compl., How Many -- 23. Intervals Drilled By Rotary Tools 0-TD Cable Tools --

24. Producing Interval(s), of this completion - Top, Bottom, Name  
4094 - 4139, San Andres P-2 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run  
SNP Porosity, GR-CCL 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
8 5/8"	23	1612	12 1/4"	550 sx Hal Light	
				200 sx C1 "C"	
4 1/2"	9.5	4150		250 sx 50-50 C1 "H"	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4122	None

31. Perforation Record (Interval, size and number)  
4139, 38, 35, 34, 28, 27, 26, 22, 21, 15, 14, 09, 08, 02, 01, 4100, 4097, 96, 95, 94. Total of 40 holes  
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4139-4094	Acidize with 6000 gals 20% NE HCL acid.

33. PRODUCTION


Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
3/5/82	Pumping	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3/5/82	24	--		15	11	15	733

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
--	--		15	11	15	22.6

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold Test Witnessed By Mr. Harris

35. List of Attachments  
GR-SNP (2), Deviation Survey.

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  TITLE Engineer DATE 2/8/82

## 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 _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	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 _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorietta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from 4094 to 4139 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	1565	1565	Redbed				
1665	1980	315	Salt				
3195	4150	955	San Andres				

RECEIVED

MAR 10 1962

C.C.D.  
HOBBS OFFICE

Southard 'A' #3  
Flag-Redfern Oil Company  
Chaves County, N. M.

STATE OF NEW MEXICO  
DEVIATION REPORT

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
488	1/4		
982	1/2		
1612	1		
2112	1 3/4		
2581	1 1/2		
3071	1 1/2		
3654	1 1/2		
4150	1		

PETERSON DRILLING COMPANY

*Ray Peterson*

By: Ray Peterson  
President

STATE OF TEXAS X

COUNTY OF MIDLAND X

The foregoing instrument was acknowledged before me this 18th day of January, 19 82, by Ray Peterson on behalf of Peterson Drilling Company.

*Walter H. Harte*  
Notary Public for Midland County,  
Texas

My Commission expires: 7-15-82

**RECEIVED**

MAR 10 1982

O.C.D.  
HOBBS OFFICE