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Form C-105  
Revised 11-1-81

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

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
b. TYPE OF COMPLETION
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/>
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>
PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>

7. Unit Agreement Name

8. Farm or Lease Name

Southard "A"

9. Well No.

4

10. Field and Pool, or Wildcat

Tom-Tom (San Andres)

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 B LOCATED 660' FEET FROM THE North LINE AND 1980 FEET FROM

12. County

Chaves

THE East LINE OF SEC. 26 TWP. 7-S RGE. 31-E NMPM

15. Date Spudded 1/16/82	16. Date T.D. Reached 1/25/82	17. Date Compl. (Ready to Prod.) 3/5/82	18. Elevations (DF, RKB, RT, GR, etc.) 4371 GR	19. Elev. Casinghead 4371
20. Total Depth 4150'	21. Plug Back T.D. 4117'	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  
3961 - 4091

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run  
GR-SNP

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 & 24	1609	12 1/4	600 sx Light	
				200 sx CI "C"	
4 1/2"	9.5	4136	12 1/4	250 sx 50-50 Poz "H"	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 3/8"	3947'	None

31. Perforation Record (Interval, size and number) 4091, 88, 87, 84, 83, 82, 81, 80, 37, 36, 35, 34, 31, 30, 25, 24, 23, 18, 17, 16, 11, 10, 07, 06, 02, 01, 4000, 3990, 88, 87, 71, 70, 68, 67, 66, 62, 61.	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 3961-4091 AMOUNT AND KIND MATERIAL USED 9000 gals 20% NE HCL acid
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33. PRODUCTION							
Date First Production 3/5/82		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 2" X 1 1/2" X 8' Insert				Well Status (Prod. or Shut-in) Producing	
Date of Test 3/5/82	Hours Tested 24	Choke Size --	Prod'n. For Test Period --	Oil - Bbl. 5	Gas - MCF 8	Water - Bbl. 13	Gas - Oil Ratio 1600
Flow Tubing Press. ---	Casing Pressure ---	Calculated 24-Hour Rate --	Oil - Bbl. 5	Gas - MCF 8	Water - Bbl. 13	Oil Gravity - API (Corr.) 22.6	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold

Test Witnessed By  
Mr. Harris

35. List of Attachments  
Logs and 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 JL Scherer TITLE Engineer DATE 3/9/82

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 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>1545</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1705</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt <u>2072</u>	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 <u>3178</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	T. 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 3961 to 4091 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	1545	1545	Redbed				
1545	1705	160	Anhydrite				
1705	2072	367	Salt				
3178	4150	972	San Andres				

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MAR 11 1982

ADJUTANT GENERAL'S OFFICE

Southard 'A' #4  
Flag-Redfern Oil Company  
Chaves Cty., N. M.

STATE OF NEW MEXICO  
DEVIATION REPORT

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
481	1/4		
983	1 1/2		
1609	3/4		
2118	1/2		
2652	1/2		
3134	3/4		
3501	3/4		
3955	1 1/4		
4151	1 1/4		

PETERSON DRILLING COMPANY

STATE OF TEXAS X

By: Ray Peterson  
President

COUNTY OF MIDLAND X

The foregoing instrument was acknowledged before me this 29th day of  
January, 19   , by Ray Peterson on behalf of  
Peterson Drilling Company.

Susan Smith  
Notary Public for Midland County,  
Texas

My Commission expires: 7-15-85

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MAR 10 1982

O.C.D.  
HOBBS OFFICE