

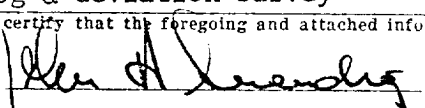
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____						5. LEASE DESIGNATION AND SERIAL NO. NM-0103893									
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
2. NAME OF OPERATOR Flag-Redfern Oil Company						7. UNIT AGREEMENT NAME									
3. ADDRESS OF OPERATOR P. O. Box 23, Midland, Texas 79701						8. FARM OR LEASE NAME Allied "93"									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 1980' FWL At top prod. interval reported below Same At total depth Same						9. WELL NO. 5									
14. PERMIT NO. _____ DATE ISSUED _____						10. FIELD AND POOL, OR WILDCAT Sawyer San Andres									
15. DATE SPUDDED 11-15-74 16. DATE T.D. REACHED 11-24-74 17. DATE COMPL. (Ready to prod.) 12-13-74 18. ELEVATIONS (DF, RKB, RT, CR, ETC.)* 3980' DF 19. ELEV. CASINGHEAD 3970'						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, T-9-S, R-37-E									
20. TOTAL DEPTH, MD & TVD 5050'		21. PLUG, BACK T.D., MD & TVD 5033'		22. IF MULTIPLE COMPL., HOW MANY* -		12. COUNTY OR PARISH Lea 13. STATE New Mexico									
23. INTERVALS DRILLED BY → ROTARY TOOLS 0 - T.D. CABLE TOOLS						25. WAS DIRECTIONAL SURVEY MADE									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5026-44' San Andres						27. WAS WELL CORED No									
26. TYPE ELECTRIC AND OTHER LOGS RUN Dresser Atlas - GR-Sidewall Neutron						28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8-5/8"		28.55#		391'		12-1/4"		275 sx Cl C, 2% CaCl		-					
4-1/2"		10.50#		5050'		7-7/8"		250 sx Cl C Pozmix, 2% gel,		-					
								3/4% CFR-2, 8 lbs salt/sack							
29. LINER RECORD						30. TUBING RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-3/8"		5032'			
31. PERFORATION RECORD (Interval, size and number) One selectfire jet at: 5026, 27, 28, 30, 32, 38, 40, 41, 42, 44'						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
						5026-44'		2000 gals 20%, 2000 gals 15%, 2000 gals 3% acid							
33.* PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)								WELL STATUS (Producing or shut-in)					
12-13-74		Pumping - 2" X 1 1/2" X 12' Insert								Producing					
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
12-21-74		24		-		→		41		35.6		36		868	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
-		-		→		41		35.6		36		21.8°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold												TEST WITNESSED BY:			
35. LIST OF ATTACHMENTS Well log & deviation survey															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED								TITLE		Petroleum Engineer		DATE		1-6-75	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation-and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	5026	5044	Oil, Gas, Water	Yates	2940	2940
				San Andres	4204	4204
				Pi Zone	4792	4792
				Porosity	4942	4942

November 25, 1974

Deviation surveys taken on Flag-Redfern Oil Company's Allied "93" #5,
Section 24, T-9-S, R-37-E, Lea County, New Mexico.

<u>Depth</u>	<u>Degree</u>
391	1/4
880	1/2
1379	3/4
1880	3/4
2314	1/4
2842	3/4
3198	1 1/4
3671	1
3884	1
4236	1
4464	3/4
4762	1/2
4990	1/2
5050	1/2

I hereby certify that I have personal knowledge of the data and facts placed on this sheet, and that such information given above is true and complete.

Sherman H. Norton, Jr.
Sitton and Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared Sherman H. Norton, Jr., known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.

Sherman H. Norton, Jr.
Sherman H. Norton, Jr.

Sworn and Subscribed to before me this the 25 day of November, 1974.

Reginald Rites
Notary Public in and for Lubbock
County, Texas.

Wm. H. Dwyer

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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED