

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 ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Flag-Redfern Oil Company		8. FARM OR LEASE NAME Bilbrey 23	
3. ADDRESS OF OPERATOR P. O. Box 23, Midland, Texas 79701		9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FSL & 2180' FEL, Sec. 23, T-9-S, R-37-E At top prod. interval reported below Same At total depth Same		10. FIELD AND POOL, OR WILDCAT Sawyer (West) San Andres	
14. PERMIT NO.		13. STATE New Mexico	
15. DATE SPUDDED 8-22-73		12. COUNTY OR PARISH Lea	
16. DATE T.D. REACHED 8-31-73		19. ELEV. CASINGHEAD 3968' D.F.	
17. DATE COMPL. (Ready to prod.) 9-14-73		20. TOTAL DEPTH, MD & TVD 5050'	
21. PLUG BACK T.D., MD & TVD 5028'		23. INTERVALS DRILLED BY 0 TD	
22. IF MULTIPLE COMPL., HOW MANY*		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* San Andres 5006-21'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Sidewall Neutron Porosity, Dual Laterolog, Gamma Ray Correlation	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
8-5/8"		24#	
4-1/2"		9.5#	
DEPTH SET (MD)		HOLE SIZE	
423'		12-1/4"	
5050'		7-7/8"	
CEMENTING RECORD		AMOUNT PULLED	
250 sx Class H, 2% CaCl ₂			
250 sx 50-50 Pozmix, 2% gel, 0.75% CFR-2, 8# salt per sack			
29. LINER RECORD		30. TUBING RECORD	
SIZE		SIZE	
TOP (MD)		DEPTH SET (MD)	
BOTTOM (MD)		PACKER SET (MD)	
SACKS CEMENT*		SCREEN (MD)	
		2-3/8"	
		5020'	
31. PERFORATION RECORD (Interval, size and number) 5006, 07, 08, 16, 19, 20, 21'		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5006-21'		2000 gals 20% NE, 2000 gals 15% NE, 2000 gals 3% NE acid.	
33.* PRODUCTION		WELL STATUS (Producing or shut-in) Producing	
DATE FIRST PRODUCTION 9-14-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - 2" X 1 1/2" X 12' Insert	
DATE OF TEST 9-20-73		HOURS TESTED 24	
CHOKE SIZE -		PROD'N. FOR TEST PERIOD 80	
OIL—BRL. 80		GAS—MCF. 16.6	
WATER—BRL. 2		GAS-OIL RATIO 208	
FLOW, TUBING PRESS. -		CASING PRESSURE -	
CALCULATED 24-HOUR RATE 80		OIL GRAVITY-API (CORR.) 20.4	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented & used for fuel		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Well logs & deviation survey		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>Bryan H. Dea</u>		TITLE <u>Production Manager</u>	
DATE <u>9-21-73</u>			

*(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: CORDED 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		TRUE VERT. DEPTH	
NAME	THICKNESS	MEAS. DEPTH	TOP	MEAS. DEPTH	NAME	THICKNESS	MEAS. DEPTH	TOP	MEAS. DEPTH
San Andres	5006	5021	Oil, Gas, Water		Yates	2940	4205	2940	4205
					San Andres				

September 5, 1973

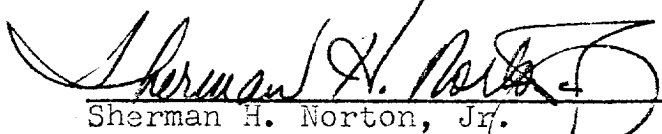
Deviation surveys taken on Flag-Redfern Oil Company's Bilbrey 23 #2, Section 23, T-9-S, R-37-E, Lea County, New Mexico.

<u>Depth</u>	<u>Degree</u>
423	3/4
918	1/2
1414	3/4
1920	1
2290	1/4
2775	1/2
3198	3/4
3688	3/4
3958	1/2
4235	1/2
4428	1/4
4664	1/2
4856	3/4
5050	1

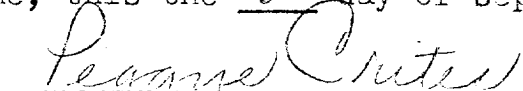
I hereby certify that I have personal knowledge of the data and facts placed on this sheet, and that such information given above is true and complete.


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.

Sworn and Subscribed to before me, this the 5 day of September, 1973.


Notary Public in and for Lubbock County,
Texas.