

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>RECEIVED</u>		5. LEASE DESIGNATION AND SERIAL NO. LC-031844	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. LESVR. <input checked="" type="checkbox"/> Other <u>NOV 13 1978</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Atlantic Richfield Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME Fren Oil Company	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FSL & 3530' FEL (Unit letter K) At top prod. interval reported below As per directional survey previously filed At total depth PB " " " " " "		9. WELL NO. 18	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED PB date 9/18/78		19. ELEV. CASINGHEAD	
16. DATE T.D. REACHED 5/9/62		18. ELEVATIONS (DF, REE, RT, GR, ETC.)* 3636' GR	
17. DATE COMPL. (Ready to prod.) 10/27/78		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7135'		21. PLUG, BACK T.D., MD & TVD 3154'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-7135'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2975-3104' Queen Grayburg San Andres		25. WAS DIRECTIONAL SURVEY MADE Yes—when originally drilled	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8" OD	24#	1394	11"
4-1/2" OD	9.5#, 11.6#	7120'	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8" OD	3035'		
31. PERFORATION RECORD (Interval, size and number) 2975, 82, 98, 3000, 3002, 04, 15, 32, 41, 51, 53, 57, 66, 75, 77, 78, 82, 92, 93, 3100, 02, 04' (22 - .45" holes)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
2975-3104'	2500 gal 15% HCL-NE acid, 462 gals 2% KCL wtr.		
2975-3104'	Frac'd w/15,000# sd, 15,000 gal gelled water.		
33. PRODUCTION			
DATE FIRST PRODUCTION 10/5/78	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pmpg 1-1/2" x 12' rod pump		WELL STATUS (Producing or shut-in) Prod
DATE OF TEST 11/4/78	HOURS TESTED 24	CHOKE SIZE -	PROD'N. FOR TEST PERIOD 11
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE 11	GAS—MCF. 5
			WATER—BBL. 4
			OIL GRAVITY-API (CORR.) 39°
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold			
35. LIST OF ATTACHMENTS CBL			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>[Signature]</u>		TITLE <u>Dist. Drlg. Supt.</u>	
		DATE <u>11/7/78</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; CORED 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.	NAME	GEOLOGIC MARKERS	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Queen	2304'	
				San Andres	3104'	