

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other
instruction 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 _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 990' FNL & 2310' FWL (Unit letter C)

At top prod. interval reported below

as above

At total depth

as above

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH

Lea

13. STATE

N.M.

15. DATE SPUDDED

11/10/77

16. DATE T.D. REACHED

3/17/78

17. DATE COMPL. (Ready to prod.)

4/7/78

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3515.6' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

15,671'

21. PLUG, BACK T.D., MD & TVD

15,590'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

10-15,671

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

15,329-15,396 & 15,442-15,531' Ellenburger

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDC, GR-Sonic, DLL Dipmeter, CBL-GR Collar

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8" OD	54.5#	1425'	17-1/2"	1020 SX	
9-5/8" OD	36#, 40#	6200'	12-1/4"	799 SX	
7" OD	32#, 26#, 23# & 29#	15,670'	8-3/4"	2550 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					3-1/2"OD	15,273'	15,260'

31. PERFORATION RECORD (Interval, size and number)

15442, 47, 51, 54, 62, 65, 69, 73, 76, 81,
85, 89, 93, 98, 15503, 12, 18, 22, 27,
15531' = 20 - .42" holes.
15329, 36, 47, 52, 57, 64, 72, 76, 81, 85, 91,
96' = 12 - .42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
15442-531'	15,000 gals 15% HCL-NE acid w/500 SCF nitrogen/bbl acid.
15,329-396'	15,000 gals 15% HCL w/500 cu ft N2/ bbl

33.*

33.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4/5/78		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/25/78	4-pt	various	→	61	610	0	10,000:1
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
various	pkp	→	372	CAOF = 4737	0	59.5°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

W. J. Needham

35. LIST OF ATTACHMENTS

Logs as listed in item 26 above, Directional Survey, DST, Inclination Report.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

W. J. Needham

TITLE

Dist. Drlg. Supt.

DATE 6/5/78

*(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, TIRAD TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Devonian			Core #1 12525-12577 (52') Full recovery - Dolomite	Abo	7,837'	
Fusselman			Core #2 13790-13848' (58') Full recovery - Dolomite WMC XLN	Upper Wolfcamp	8,208'	
McKee			Core #3 14900-14904' (4') Core bbl jammed, rec 1 ft sandstone & shale.	Lower Wolfcamp	9,048'	
Ellenburger			Core #4 15275-15313' (60') Core bbl jammed, rec 38' Dolomite	Penn Strawn	9,380'	
See Attached Report for Drill Stem Tests.				Atoka	10,243'	
				Morrow	10,649'	
				Barnett	11,125'	
				Woodford	11,977'	
				Dev	12,279'	
				Silurian	12,947'	
				Fusselman	13,761'	
				Montoya	14,088'	
				Simpson	14,490'	
				McKee	14,726'	
				Ellenburger	15,250'	

38. GEOLOGIC MARKERS