

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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. RENVR. ☐ Other ☐

2. NAME OF OPERATOR

ARCO Oil and Gas Co., A Division of Atlantic Richfield Co.

3. ADDRESS OF OPERATOR

P.O. Box 1610, Midland, Texas 79702

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

At surface 1955' FSL and 510' FEL

At top prod. interval reported below

At total depth approximately the same

14. PERMIT NO. 30-039-24095
BUREAU OF LAND MANAGEMENT
ARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.

~~ST 084072-A~~ SFC 80412.4

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Tonkin Federal

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

W. Lindrith Gallup/Dakota

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sect. 18-T24N-R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED 10-27-86 16. DATE T.D. REACHED 11-14-86 17. DATE COMPL. (Ready to prod.) 12-22-86 18. ELEVATIONS (OF. RKB, RT. GR. ETC.)* 6940' GR, 6954.5' KB 19. ELEV. CASINGHEAD 6941.5'

20. TOTAL DEPTH, MD & TVD 7630' 21. PLUG, BACK T.D., MD & TVD 7620' 22. MULTIPLE COMPL. HOW MANY* 23. INTERVALS DRILLED BY 0' - TD 24. ROTARY TOOLS NA 25. CABLE TOOLS NA

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

Dakota "A" - 7280'-7320'

Dakota "C" - 7484'-7510'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

FDC/CNL, DIL/GR/Cal

27. WAS WELL CORRED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	53.5#	530'	12-1/4	300 sx "H" w/2% CaCl ₂	to Surface
5-1/2" DV Tool					
5-1/2"	26#	7630'	7-7/8"	1st stage = 815 sx (1247 cf) 2nd stage = 900 sx (1640 cf) TOC @ 1150'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7241'	7208.4'

31. PERFORATION RECORD (Interval, size and number)

7280-7320' @ 2 JSPF - 80 holes, all fixed

7484-7510' @ 2 JSPF - 52 holes, all fixed

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7484-7510'	2200 gal 15% HCl - acid frac w/68,550 gal 30% gel, 108,600 20/40
7280-7320'	3500 gal 15% HCL

33. PRODUCTION 93,828 gal + 175,600# 20/40

DATE FIRST PRODUCTION 12-19-86 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 12-22-86 HOURS TESTED 6-1/2 CHOKE SIZE PROD'N. FOR TEST PERIOD 23.7 OIL—BBL. GAS—MCF TSTM WATER—BBL. GAS-OIL RATIO 35.6

FLOW. TUBING PRSS. CASING PRESSURE CALCULATED 24-HOUR RATE 87.5 OIL—BBL. GAS—MCF WATER—BBL. OIL GRAVITY (API CORR.) 131.4

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

Vented

35. LIST OF ATTACHMENTS

Well logs, deviation surveys

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

SIGNED

Don Towle

TITLE Drilling Analyst Supv.

ACCEPTED FOR RECORD
JAN 15 1987
ARMINGTON RESOURCE AREA
DATE 12-29-86
BY

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

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	2434'	
				Kirtland	2804'	
				Fruitland	2975'	
				Pictured Cliffs	3078'	
				Lewis Shale	3194'	
				Cliff House	4713'	
				Menefee	4744'	
				Pt. Lookout	5224'	
				U. Mancos	5404'	
				Gallup	6318'	
				L. Mancos	7658'	
				Greenhorn	7205'	
				Graneros	7275'	
				Dakota "A"	7400'	
				Dakota "B"	7448'	
				Dakota "C"	7470'	