

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

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		7. UNIT AGREEMENT NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		8. FARM OR LEASE NAME ARCO Hill	
2. NAME OF OPERATOR ARCO Oil and Gas Company		9. WELL NO. 23-1	
3. ADDRESS OF OPERATOR P. O. Box 1610, Midland, Texas 79702		10. FIELD AND POOL, OR WILDCAT W. Lindrith Gallup/Dakota	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1810 FNL & 345 FNL (Unit E) At top prod. interval reported below as above At total depth as above		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 23-25N-3W	
14. PERMIT NO.		DATE ISSUED AUG 25 1986	
15. DATE SPUDDED 5-25-86		16. DATE T.D. REACHED 6-17-86	
17. DATE COMPL. (Ready to prod.) 8-8-86		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7322 RKB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 8253	
21. PLUG. BACK T.D., MD & TVD 8219		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 10-8253		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8140-8176 Dakota "C" 7234-7344 L. Gallup 7056-7180 U. Gallup	
25. WAS DIRECTIONAL SURVEY MADE NO		26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/SFL/GR/Cal FDC/CNL/GR/Cal	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)	
Casing Size		Weight, lb./ft.	
8-5/8		24	
5-1/2		23,26	
Depth Set (MD)		Hole Size	
771		12 1/4	
8249		7-7/8	
Cementing Record		Amount Pulled	
500sx Circ to surface		590 cfs	
shoe - 450 sx		555 cfs	
DV tool - 1025sx TOC 3640		TX 1684 cfs	
29. LINER RECORD		30. TUBING RECORD	
Size		Top (MD)	
Bottom (MD)		Sacks Cement*	
Screen (MD)		Size	
2-7/8		Depth Set (MD)	
6997		Packer Set (MD)	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8140-8176 (37 holes)		Depth Interval (MD)	
7234-7344 38 (.4") holes		Amount and Kind of Material Used	
7056-7180 40 (.37") holes - Acdzd w/ 3000 gals, Frac w/99,200 gals & 130,000# proppant		8140-8176 A w/2500gals. Frac w/82,000gals & 115,000# proppant	
		7234-7344 A w/3000 gals. Frac w/124,200gals & 165,000 # proppant	
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
Date First Production 7-10-86		Production Method (Flowing, gas lift, pumping—size and type of pump) Pumping - 1-1/2	
Well Status (Producing or shut-in) Producing		35. LIST OF ATTACHMENTS Logs as listed in item 26	
Date of Test 8-15-86		Hours Tested 3	
Choke Size 3		Prod'n. For Test Period 8-15-86	
Oil—BBL. 5.44		Gas—MCF. 64 MCFPD	
Water—BBL. 0		Gas-Oil Ratio 147	
Flow. Tubing Press. 43.5		Casing Pressure 64	
Calculated 24-Hour Rate 20		Oil Gravity-API (Corr.)	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		37. TEST WITNESSED BY James Trantham	
SIGNED Ken G. Gosnell		ACCEPTED FOR RECORD SEP 05 1986	
TITLE Engr. Tech. Spec.		DATE 8-21-86	

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

Title 18 U.S.C. Section 1001, makes it a crime for any person who knowingly and willfully to make to any Department or Agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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	3412	
				Kirkland	3538	
				Fruitlant	3626	
				Pictured Cliff	3714	
				Lewis	3798	
				Mesa Verde	5396	
				U. Mancos	6060	
				Gallup	6942	
				L. Mancos	7692	
				Green Horn	7886	
				Graneros	7952	
				Dakota A	7984	
				Dakota B	8046	
				Dakota C	8100	