

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL:

NEW WELL

WORK OVER

DEEPEN

PLUG BACK

DIFF. RESER.

OIL WELL

GAS WELL

DRY

Other

2. NAME OF OPERATOR

ARCO Oil & Gas Company

3. ADDRESS OF OPERATOR

Box 1610, Midland, TX 79702

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

At surface 990 FSL & 1850 FWL (Unit Letter N)

At top prod. interval reported below as above

At total depth as above

14. PERMIT NO.

30-039-24072

DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED

5-30-87

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

6-10-87

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

7237 RKB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8170

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

8005

22. IF MULTIPLE COMPL. HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

7176-7295 Lower Gallup

7030-7120 Upper Gallup

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORED

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	36	769	12-1/4	400 sx - TOC - Circ	
5-1/2	23	8170	8-3/4	1950 sx in 3 stages DV at 5862 & 3585	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	6854	

31. PERFORATION RECORD (Interval, size and number)

7176-7295

7030-7120

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8104-8134	CIBP @ 8055 w/50 ft cmt
7176-7295	Frac w/75,000 gals & 131,200#
7030-7120	Frac w/32,000 gals & 150,000#

33. PRODUCTION

DATE FIRST PRODUCTION

6-3-87

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO
6-17-87	24	64/64		95	200	15	2105
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)	
100	500		95	200	15		

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

Sold

35. LIST OF ATTACHMENTS

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

SIGNED

Kenneth Cornwell

TITLE

Engr. Tech.

DATE

7-7-87

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Gardner

WELL NO.

13-1

FIELD AND POOL OR WILDCAT

Gavilon Mancos

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

13-25N-3W

ACCEPTED FOR RECORD

JUL 10 1987

FARMINGTON RESOURCE AREA

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department, agency, or the public a false statement.

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		MEAS. DEPTH	TOP TRUE VERT. DEPTH
Ojo Alamo		3394	
Kirtland		3467	
Fruitland		3558	
Pictured Cliffs		3664	
Lewis		3779	
Cliffhouse		5322	
Menefee		5446	
Point Lookout		5850	
Upper Mancos		5982	
Gallup		6889	
Lower Mancos		7628	
Greenhorn		7840	
Graneros		7907	
Dakota "A"		7948	
Dakota "B"		8016	
Dakota "C"		8060	
2nd Bench		8100	
Total Depth		8162	