

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. REVR. ☐ 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 FNL & 2310 FWL (Unit Letter C)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-015-025618

MAY 11 '88

O. C. D.

ARLISIA, OFFICE

15. DATE SPUDDED

2-21-88

16. DATE T.D. REACHED

3-18-88

17. DATE COMPL. (Ready to prod.)

4-15-88

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

3747 RKB 3735 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8600

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

8502

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-8600

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

8092-8380 Bone Springs

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CAL, CAVL, microlog, SDDS NL

27. WAS WELL CORED

no

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	54.5	642	17 1/2	700 sx circ cmt	
8-5/8	24	2150	11	1050 sx circ cmt	
5 1/2	17	8600	7-7/8	1850 sx TOC 2134-TS	

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	8403	

31. PERFORATION RECORD (Interval, size and number)

8092-8380

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8092-8380	A w/4000 gals. Frac w/128,000 gals & 297,500# sd

33.*

PRODUCTION

DATE FIRST PRODUCTION

3-30-88

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

Pumping

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
4-19-88	24			102	112	12	1098
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
			102	102	112	39.0	

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

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

ACCEPTED FOR RECORD

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

SIGNED

Ken W. Gosnell

TITLE

Engr. tech. (915) 688-5672

DATE

4-28-88

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

CARLSBAD, NEW MEXICO

7. 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, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				top of salt base of salt Yates Queen Grayburg San Andres Bone Springs 1st Bone Springs Sand 2nd Bone Springs Sand	760 1770 1956 3056 3634 4040 5380 7140 7674	

RECEIVED

WELL NAME AND NUMBER Wilmar Federal #4LOCATION Sec. 4, T18S, R31E, Eddy County, New Mexico

MAY 11 '88

OPERATOR Arco Oil & Gas, P. O. Box 1610, Midland, Tx. 79702

O. C. L.

ARTESIA, OFFICE

DRILLING CONTRACTOR TMBR/SHARP Drlg., Inc., Drawer 10970, Midland, Tx. 79702

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1.50 316</u>	<u>1.75 2,836</u>	<u>2.75 4,579</u>
<u>1.00 536</u>	<u>2.00 3,060</u>	<u>2.50 4,610</u>
<u>2.00 642</u>	<u>2.00 3,125</u>	<u>2.50 4,642</u>
<u>2.25 690</u>	<u>1.75 3,239</u>	<u>2.50 4,705</u>
<u>2.50 811</u>	<u>2.25 3,366</u>	<u>2.50 4,800</u>
<u>2.00 1,027</u>	<u>2.00 3,500</u>	<u>2.50 4,895</u>
<u>1.00 1,124</u>	<u>2.00 3,625</u>	<u>2.50 4,981</u>
<u>1.00 1,249</u>	<u>2.25 3,833</u>	<u>2.25 5,074</u>
<u>1.00 1,362</u>	<u>2.00 3,922</u>	<u>2.50 5,170</u>
<u>1.00 1,551</u>	<u>2.25 4,050</u>	<u>2.50 5,293</u>
<u>1.50 1,750</u>	<u>2.50 4,185</u>	<u>2.50 5,385</u>
<u>1.50 1,925</u>	<u>2.75 4,300</u>	<u>2.75 5,458</u>
<u>1.50 2,150</u>	<u>2.50 4,360</u>	<u>2.50 5,540</u>
<u>1.50 2,380</u>	<u>3.00 4,465</u>	<u>2.00 5,635</u>
<u>1.75 2,589</u>	<u>3.00 4,525</u>	<u>2.50 5,726</u>

Drilling Contractor TMBR/SHARP Drlg., Inc.By Grady Trotter
Grady Trotter, Drlg. Engr.Subscribed and sworn to before me this 21st. day of March, 1988Pat Buchanan

Notary Public

Commision expires: 6-30-88Midland County, Texas

RECEIVED

MAY 11 '88

O. C. D.

ARTESIA, OFFICE

Midland County, Texas