

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

Form approved.  
Budget Bureau No. 42-R355.5

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

SF-078477

6. IF INDIAN ALLOTTEE OR TRIBE NAME

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7. UNIT AGREEMENT NAME

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8. FARM OR LEASE NAME

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9. WELL NO.

Crow Mesa #2

10. FIELD AND POOL, OR WILDCAT

Wildcat Gallup

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

19-25N-7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESRV.  Other

2. NAME OF OPERATOR

ARCO Oil and Gas Company, Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P.O. Box 5540, Denver, Colorado 80217

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

At surface 1660' FNL & 1770' FEL

At top prod. interval reported below

Approx ths same

at total depth

14. PERMIT NO.

BLM

DATE ISSUED

11-29-84

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

12-16-83

16. DATE T.D. REACHED

1-2-84

17. DATE COMPL. (Ready to prod.)

3-19-84

18. ELEVATIONS (DP, RES. RT. GR. ETC.)\*

6500' GL. 6515' KB

19. ELEV. CASINGHEAD

6500'

20. TOTAL DEPTH, MD & TVD

6905'

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

6000' CIBP

22. IF MULTIPLE COMPL., HOW MANY\*

1

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-6905'

CABLE TOOLS

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

Gallup 5616'-5736' and 5798'-5958'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/SFL CNL/FDC

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
8-5/8"	24#	556' KB	12-1/4"	400 sx (468.4 cuft)	NONE
5-1/2"	17#	6894' KB	7-7/8"	1250 sx (1705.3 cuft)	NONE
				2 stage	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5804'	NONE

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	SEE ATTACHED

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
2-13-84	Pumping - 1-1/2" rod pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-19-84	24 hrs	NA	→	32	36	1	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
275	275	→	32	36	1	41° @ 60°F	

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

To be sold

TEST WITNESSED BY

C.R. Thompson

35. LIST OF ATTACHMENTS

2 of #26 above and Daily Well History

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

SIGNED

W.A. Walther, Jr.

TITLE

Operations Manager

DATE 3-22-84

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

RECEIVED  
APR 03 1984

FARMINGTON RESOURCE AREA

NMOCC

OIL CON. DIV.  
DIST. 3

Sm

# 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, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

TOP BOTTOM

MEAS. DEPTH TOP PRODUCE DEPTH

38 GEOLOGIC MARKERS

NAME

Ojo Alamo 1402'

Kirtland 1560'

Pictured Cliffs 2150'

Lewis Shale 2230'

Chacra 2997'

Cliffhouse 3728'

Menefec 3814'

Pt Lookout 4492'

Upper Mancos 4691'

Gallup 5615'

Lower Mancos 6200'

Greenhorn 6425'

Graneros 6479'

Dakota 6498'

Morrison 6817'

NO CORES AND NO DSTS

**RECEIVED**  
 APR 27 1934  
 OIL CON. DIV.  
 DIST. 3

CROW MESA #2  
SW NE Section 19-25N-7W  
Rio Arriba County, New Mexico

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31. PERFORATIONS

Dakota "D"	6803'-14'	22 holes	CIBP set @6755'
Dakota "C"	6689'-6718'	38 holes	
Dakota "A"	6522'-30'	16 holes	CIBP set @ 6000'
Lower Gallup	5798'-5958'	41 holes	
Upper Gallup	5616'-5736'	33 holes	

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

6836'-6477'	300 gal 15% acid with additives
6725'-6212'	500 gal 15% acid with additives
6689'-6718'	53,800 gal 1% KCL water with additives + 45,000# 20/40 sand
6434'	300 gal 15% acid with additives
6522'-6530'	27,800 gal 1% KCL water with additives + 19,300# 20/40 sand
5798'-5958'	2500 gal 15% acid with additives + 80 ball sealers
5798'-5958'	143,556 gal 75 quality foam with additives + 140,437# 20/40 sand and 3,127,700 SCF N <sub>2</sub>
5616'-5736'	2000 gal 15% acid with additives + 60 ball sealers
5616'-5736'	115,614 gal 75 quality foam with additives + 133,500# 20/40 sand and 2,671,324 SCF N <sub>2</sub>

APRO 41934

CON. DIV.