

CORRECTED
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 <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR ARCO Oil and Gas Company, Division of Atlantic Richfield Company						5. LEASE DESIGNATION AND SERIAL NO. SF 078482	
3. ADDRESS OF OPERATOR P.O. Box 5540, Denver, Colorado 80217						6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 800' FNL & 800' FWL At top prod. interval reported below At total depth Approx the same						7. UNIT AGREEMENT NAME ---	
14. PERMIT NO. BLM						8. FARM OR LEASE NAME ---	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6782' KB						9. WELL NO. Crow Mesa #1	
12. COUNTY OR PARISH San Juan						10. FIELD AND POOL, OR WILDCAT Wildcat	
13. STATE New Mexico						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 23-25N-8W	
15. DATE SPUDDED 1-5-84		16. DATE T.D. REACHED 1-17-84		17. DATE COMPL. (Ready to prod.) 3-28-84		19. ELEV. CASINGHEAD 6770' GL	
20. TOTAL DEPTH, MD & TVD 7110'		21. PLUG, BACK T.D., MD & TVD 6170' CIBP		22. IF MULTIPLE COMPL., HOW MANY* 1		23. INTERVALS DRILLED BY ROTARY TOOLS 0-7110'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 5978'-6128' and 5800'-5922'						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	
8-5/8"		24#		576' KB		12-1/4"	
5-1/2"		17#		7105' KB		7-7/8"	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
SEE ATTACHED				SEE ATTACHED			
33.* PRODUCTION				34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
DATE FIRST PRODUCTION 3-1-84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbed and flowed				WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 3-28-84		HOURS TESTED 8 hrs		CHOKE SIZE ---		PROD'N. FOR TEST PERIOD OIL—BBL. 90	
FLOW. TUBING PRESS. 25		CASING PRESSURE 375		CALCULATED 24-HOUR RATE ---		GAS—MCF. TSTM	
						WATER—BBL. 186	
						OIL GRAVITY-API (CORR.) 40.9° API @ 60°F	
						GAS-OIL RATIO ---	
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 <u>W.A. Walther, Jr.</u>				TITLE <u>Operations Manager</u>			
DATE <u>4-3-84</u>				TEST WITNESSED BY <u>Harold Elledge</u>			

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

CROW MESA #1 WELL
NW NW Section 23-25N-8W
San Juan County, New Mexico

1
RECEIVED

APR 25 1984

OIL CON. DIV.
DIST. 3

31. PERFORATION RECORD:

Dakota "D"	6933'-6942'	28 - 0.40" holes	CIBP @ 6925'
Dakota "C"	6861'-6866' & 6873'-6880'	26 - 0.40" holes	CIBP @ 6730'
Dakota "A"	6679'-6691'	25 - 0.40" holes	CIPB @ 6170'
	5978'-5979'-1/2"	6 holes	
Lower Gallup	5978'-6128'	38 - 0.40" holes	
	5798'-5800'	6 holes	
Upper Gallup	5800'-5922'	32 - 0.40" holes	

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

6925'-6565'	350 gal 15% MCA
6933'-6942'	500 gal 15% HCL with additives and 45 ball sealers
6860'-6347'	500 gal 15% MCA
6861'-6866' & 6873'-6880'	38,000 gal 1% KCL water with additives and 27,000# sand
6675'-6316'	350 gal 15% MCA
6679'-6691'	40,800 gal 2% KCL water with additives and 74,900# sand
5978'-6128'	2500 gal 15% HCL with additives and 60 ball sealers
5978'-6128'	150,730 gal 2% KCL water, 75% quality foam, 157,500# sand and 3,271,161 SCF N ₂
5800'-5922'	2000 gal 15% HCL with additives and 50 ball sealers
5800'-5922'	114,828 gal 2% KCL water with additives and 65,340# sand

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
SF 078482

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ 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.*
See also space 17 below.)
At surface
800' FNL & 800' FWL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Crow Mesa #1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

23-25N-8W

14. PERMIT NO.

30-045-25853

15. ELEVATIONS (Show whether BP, RT, GR, etc.)

6770' GL

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) ACID, PERF, AND FRAC

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MI & RU CU 2-8-84. WIH with bit and casing scraper. Tagged fill @ 3657'KB. Drilled cement and DV tool. Displaced hole with 155 bbls 1% KCL water containing 6 gal deemulsifier. Ran CBL. Spotted 350 gal 15% MCA from 6925'-6565'KB. Perf'd Dakota "D" 6933'-42' with 28 - 0.40" holes. Set packer @ 6900'. Swabbed. Released packer and reset @ 6839'. Acidized with 500 gal 15% HCL with 3 gal/1000 inhibitor, non-emulsifier and fines suspending agent and 45 ball sealers. Swabbed. No oil show. Released packer. Set drillable BP @ 6925'KB. Dump 1 sx cement on top. Spotted 500 gal 15% MCA from 6860'-6347'. Perf'd Dakota "C" 6861'-66' and 6873'-80' with 26 - 0.40" holes. Swabbed. Frac'd Dakota "C" perfs using 38,000 gal 1% KCL water with 2#/1000 gal friction reducer and 30#/1000 gal fluid loss additive and bactericide and 27,000# 20/40 mesh sand. Flowed and swabbed. Set drillable BP @ 6730' KB. Spotted 350 gal 15% MCA from 6675'-6316'. Perf'd Dakota "A" from 6679'-91' with 25 - 0.40" holes. Frac'd Dakota "A" with 40,800 gal mini-max III-40, 2% KCL base with 1/4 gal/1000 bactericide, 1 gal/1000 gal aquaflo, and 74,900# 20/40 mesh sand. Flowed and swabbed. Set packer @ 6645'. Swabbed. Set BHP recorder @ 6685'. Pulled. Set drillable BP @ 6170'KB. Perf'd 6 holes from 5978'-79-1/2'. Set EZSV @ 5933'KB. Mixed 75 sx Class "B" neat and 2% CaCl2 + 225 sx Class "B" + 2% CaCl2 + 0.5% Halad-9. Displaced with 23 BW. Tag cement retainer @ 5933'. Drilled out retainer and cement. Ran CBL. (OVER)

18. I hereby certify that the foregoing is true and correct

SIGNED

W.A. Walther, Jr.

TITLE Operations Manager

DATE 4-3-84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side
NMOCC

CROW MESA #1
800' FNL & 800' FWL
Section 23-25N-8W
San Juan County, New Mexico

Perf'd Perf'd Lower Gallup from 5978'-6128' with 38 - 0.40" holes.
Set packer @ 5808'KB. Acidized with 2500 gal 15% HCL with 5 gal non-emulsifier, 5 gal anti-sludge, 5 gal fines suspender, 6 gal inhibitor and 100# iron sequestering agent + 60 ball sealers. Frac'd Lower Gallup using 150,730 gals 2% KCL water base, 75% quality foam, 157,500# 20/40 mesh sand and 3,271,161 SCF N2. Flowed. Set drillable BP @ 5955'KB. Perf'd 6 holes 5978'-5800'. Set EZSV @ 5746'KB. Mixed and pumped 75 sx Class "B" neat followed by 225 sx Class "B", 2% CaCl2 + 0.5% Halad-9. Tag cement retainer @ 5746'. Drilled out retainer and cement. Ran CBL. Perf'd Upper Gallup from 5800'-5922' with 32 - 0.40"holes. Set packer @ 5621'. Acidized with 2000 gal 15% HCL acid containing 4 gal non-emulsifier, 4 gal anti-sludging agent, 4 gal fines suspender, 5 gal inhibitor, 75# iron sequestering agent and 50 ball sealers. Released packer. Frac'd using 114,828 gal 2% KCL water with 2-1/2 gal/1000 friction reducer, 1 gal/1000 aquaflo and 65,340# 20/40 mesh sand. Flowed. CO sand and drilled BP @ 5955'. CO to BP @ 6170'. Landed 2-3/8" tubing @ 5787.65'KB. NU xmas tree. Swabbed. Well started flowing. RD & MO CU 3-28-84.

RECEIVED
MAY 1984
OIL FIELD