

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-1355.5.**WELL COMPLETION OR RECOMPLETION REPORT AND LOG***

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐				5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Apache 102			
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache			
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY				7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, NM 87401				8. FARM OR LEASE NAME Jicarilla Apache 102			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1700' FSL x 940' FEL At top prod. interval reported below Same At total depth Same				9. WELL NO. 6M			
14. PERMIT NO. U.S. GEOLOGICAL SURVEY FARMINGTON, N. M.				10. FIELD AND POOL, OR WILDCAT Blanco Mesaverte			
15. DATE SPUNDED 9-7-80				16. DATE T.D. REACHED 9-22-80		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA NE 1/4 SE 1/4 Section 3 T26N, R4W	
17. DATE COMPL. (Ready to prod) 10-31-80				18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* 6905 GL		12. COUNTY OR PARISH Rio Arriba	
19. ELEV. CASINGHEAD				13. STATE NM			
20. TOTAL DEPTH, MD & TVD 8096		21. PLUG, BACK T.D., MD & TVD 8052		22. IF MULTIPLE COMPL., HOW MANY 2		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5821-5833', 5844-5856', 5868-5880', 5890-5898', 5360-5376', 5425-5446', 5464-5479', 5572-5594', Mesaverte						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN TEL/GR/CDL/SNP						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	
13 5/8"	48	318'	17 1/4"	530 SX			
9 5/8"	36	3950'	12 1/4"	1580 SX			
7"	23	8096'	8 3/4"	930 SX			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 1/16"	5910'	7820'
31. PERFORATION RECORD (Interval, size and number) 5360-5376', 5425-5446', 5464-5479', 5572-5594', 5821-5833', 5844-5856', 5868-5880', 5890-5898' with 2 spf, a total of 236, .38" holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 5360-5833 73,780 gal of frac fluid x 132,800# of 20-40 sand			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumpin)—size and type of pump Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-17-80	3 hr	.75"			350		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
225 psig	730psig			2803			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold						TEST WITNESSED BY	
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 **E. E. SVC** TITLE **Dist. Admin. Supvr.** DATE **2-6-81**

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

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**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Apache 102	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, N.M.		8. FARM OR LEASE NAME Jicarilla Apache-102	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). At surface 1700' FSL x 940' FEL At top prod. interval reported Same below Same At total depth		9. WELL NO. 8M	
14. PERMIT NO. U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DATE SPUDDED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NE/4 SE/4 Section 3 T26N, R4W	
16. DATE T.D. REACHED		12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.)		13. STATE NM	
18. ELEVATIONS (DF, RSB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7840-7894, 7974-7992, 8026-8032 - Dakota			25. WAS DIRECTIONAL SURVEY MADE
26. TYPE ELECTRIC AND OTHER LOGS RUN			
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			
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"	8040'	7820'	
31. PERFORATION RECORD (Interval, size and number) 7840-7894, 7974-7992, 8026-8032 x 2 spf, a total of 156, .38" holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
7840 - 8032		129,000 of frac fluid and 400,000 # 20-40 sand	
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) Shut - in			
DATE OF TEST 12-24-80	HOURS TESTED 3 hrs	CHOKE SIZE .75"	PROD'N. FOR TEST PERIOD →
OIL—BBL.	GAS—MCF. 319	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.
			GAS—MCF. 2549
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold			TEST WITNESSED BY
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 <u>Original Signed By</u> <u>E. E. SVOBODA</u>		TITLE <u>Dist. Admin. Supvr</u>	
		DATE <u>FEB 6 1981</u>	

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

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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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mesaverde	5336	6310				
Gallup	7000	7403				
Greenhorn	7756	7815				
Graneros Dakota	7835	7952				
Dakota	7952	8044				