

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

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																																								
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME																																								
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 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 1665' FWL & 1515' FWL, Section 9, T-26-N, R-4-W At top prod. interval reported below Same At total depth Same		9. WELL NO. 18																																								
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Tapacito Pictured Cliffs																																								
15. DATE SPUNDED 2-23-77		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 NW/4 Section 9, T-26-N, R-4-W																																								
16. DATE T.D. REACHED 3-1-77		12. COUNTY OR PARISH Rio Arriba																																								
17. DATE COMPL. (Ready to prod.) 3-15-77		13. STATE New Mexico																																								
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7133' GL		19. ELEV. CASINGHEAD 7133'																																								
20. TOTAL DEPTH, MD & TVD 4100'		21. PLUG, BACK T.D., MD & TVD 4054'																																								
22. IF MULTIPLE COMPL., HOW MANY* →		23. INTERVALS DRILLED BY 0-TD																																								
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3852-3888' Pictured Cliffs		25. WAS DIRECTIONAL SURVEY MADE No																																								
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric Log & Compensated Density		27. WAS WELL CORED No																																								
28. CASING RECORD (Report all strings set in well)																																										
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8-5/8"</td><td>24#</td><td>257'</td><td>12-1/4"</td><td>250 sx</td><td>-</td></tr><tr><td>4-1/2"</td><td>10.5#</td><td>4100'</td><td>7-7/8"</td><td>960 sx</td><td>-</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8-5/8"	24#	257'	12-1/4"	250 sx	-	4-1/2"	10.5#	4100'	7-7/8"	960 sx	-																					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																																					
8-5/8"	24#	257'	12-1/4"	250 sx	-																																					
4-1/2"	10.5#	4100'	7-7/8"	960 sx	-																																					
29. LINER RECORD																																										
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																																		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																																						
30. TUBING RECORD																																										
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td>2-3/8"</td><td>3911'</td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)	2-3/8"	3911'																																		
SIZE	DEPTH SET (MD)	PACKER SET (MD)																																								
2-3/8"	3911'																																									
31. PERFORATION RECORD (Interval, size and number)																																										
3852-3888' x 1 SPF																																										
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																										
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>3852-3888'</td><td>120,000 lbs. su & 60,000 gals. frac fld.</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	3852-3888'	120,000 lbs. su & 60,000 gals. frac fld.																																			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																									
3852-3888'	120,000 lbs. su & 60,000 gals. frac fld.																																									
33.* PRODUCTION																																										
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>DATE FIRST PRODUCTION</th><th>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th><th>WELL STATUS (Producing or shut-in)</th></tr></thead><tbody><tr><td> </td><td>Flowing</td><td>Shut In</td></tr><tr><td>DATE OF TEST</td><td>HOURS TESTED</td><td>CHOKE SIZE</td></tr><tr><td>3-15-77</td><td>3</td><td>48/64</td></tr><tr><td>PROD'N. FOR TEST PERIOD</td><td>OIL—BBL.</td><td>GAS—MCF.</td></tr><tr><td>→</td><td> </td><td>217</td></tr><tr><td>FLOW. TUBING PRESS.</td><td>CASING PRESSURE</td><td>CALCULATED 24-HOUR RATE</td></tr><tr><td>130</td><td>294</td><td>→</td></tr><tr><td> </td><td> </td><td>OIL—BBL.</td></tr><tr><td> </td><td> </td><td>GAS—MCF.</td></tr><tr><td> </td><td> </td><td>1736</td></tr><tr><td> </td><td> </td><td>WATER—BBL.</td></tr><tr><td> </td><td> </td><td>OIL GRAVITY-API (CORR.)</td></tr></tbody></table>				DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)		Flowing	Shut In	DATE OF TEST	HOURS TESTED	CHOKE SIZE	3-15-77	3	48/64	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	→		217	FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	130	294	→			OIL—BBL.			GAS—MCF.			1736			WATER—BBL.			OIL GRAVITY-API (CORR.)
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)																																								
	Flowing	Shut In																																								
DATE OF TEST	HOURS TESTED	CHOKE SIZE																																								
3-15-77	3	48/64																																								
PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.																																								
→		217																																								
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE																																								
130	294	→																																								
		OIL—BBL.																																								
		GAS—MCF.																																								
		1736																																								
		WATER—BBL.																																								
		OIL GRAVITY-API (CORR.)																																								
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be 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 <u><i>E. L. Luskada</i></u> TITLE <u>Area Adm. Supvr.</u> DATE <u>3-24-77</u>																																										

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

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, and/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.

for each additional interval to be separately produced, showing the additional data pertinent to such interval. **Item 20: "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 29: *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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Pictured Cliffs	3845'		Gas