

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 _____						Jicarilla Apache									
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____						7. UNIT AGREEMENT NAME _____									
2. NAME OF OPERATOR Amoco Production Company						8. FARM OR LEASE NAME Jicarilla Contract 146									
3. ADDRESS OF OPERATOR 501 Airport Drive Farmington, NM 87401						9. WELL NO. 21E									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1540' FNL x 1570' FWL Section 3, T25N, R5W At top prod. interval reported below Same At total depth Same						10. FIELD AND POOL, OR WILDCAT Basin Dakota									
						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 NW/4 Section 3, T25N, R5W									
14. PERMIT NO.						DATE ISSUED			12. COUNTY OR PARISH Rio Arriba			13. STATE NM			
15. DATE SPUDDED 11-5-79		16. DATE T.D. REACHED 11-19-79		17. DATE COMPL. (Ready to prod.) 12-22-79		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6605' GL, 6618' KB				19. ELEV. CASINGHEAD					
20. TOTAL DEPTH, MD & TVD 7447'		21. PLUG, BACK T.D., MD & TVD 7400'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY → O-TD		ROTARY TOOLS		CABLE TOOLS					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7092-7320'										25. WAS DIRECTIONAL SURVEY MADE No					
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Gamma Ray, Compensated Density, Compensated Neutron										27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)															
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD				AMOUNT PULLED			
8-5/8"		24.0#		321'		12-1/4"		315 sx				-----			
4-1/2"		11.6#		7446'		7-7/8"		1740 sx				-----			
29. LINER RECORD															
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-3/8"		7240		None	
30. TUBING RECORD															
31. PERFORATION RECORD (Interval, size and number) 7092-7320', 2 SPF, total of 456 holes.															
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.															
DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED :									
7092'-7320'						231.00# sand; 92,500 gal frac fluid									
33.* PRODUCTION															
DATE FIRST PRODUCTION				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing											
DATE OF TEST 1-9-80		HOURS TESTED 3 hrs.		CHOKE SIZE .75		PROD'N. FOR TEST PERIOD →		OIL—BBL. 1336		GAS—MCF. 167		WATER—BBL. DIS-		GAS-OIL RATIO 1-16-80	
FLOW. TUBING PRESS. 103 PSIG		CASING PRESSURE 586 PSIG		CALCULATED 24-HOUR RATE →		OIL—BBL. 1336		GAS—MCF. 1336		WATER—BBL. DIS-		OIL GRAVITY-API (CORR.) DIS-			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to Northwest-Pipeline Corporation												TEST WITNESSED BY			
35. LIST OF ATTACHMENTS															
ACCEPTED FOR RECORD															
I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
Original Signed By E.E. SYOBODA TITLE Dist. Adm. Supvr. DATE JAN 16 1980															

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

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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland	2782					
Pictured Cliffs	2890					
Chacra	3790					
Mesaverde	4600					
Gallup	6246					
Greenhorn	7010					
Dakota	7091					