

Form 3160-4
(October, 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CON. DIV.
DIST. 3

FOR APPROVED
OMB NO. 1004-0137
Expires December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 29

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER ☐		1. LEASE DESIGNATION AND SERIAL NO. SF-080917	
1b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REGR. ☐ OTHER ☐ RECOMPLETION		2. NAME OF OPERATOR Amoco Production Company	
2. NAME OF OPERATOR Amoco Production Company		3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 (303) 830-4988	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 (303) 830-4988		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1030' FNL 840' FWL UNIT D At top prod. interval reported below At total depth	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 11-14-84		16. DATE T.D. REACHED 12-7-84	
17. DATE COMPL. (Ready to prod.) 3-30-95		18. ELEVATIONS (DE, SUB, RT, OR, ETC.) 6225' KB	
19. RELV. CASINGHEAD		20. COUNTY OR PARISH San Juan	
21. STATE New Mexico		22. FIELD AND FORM OR WILDCAT Blanco Pictured Cliffs	
23. SEC. T., R., M. OR BLOCK AND SURVEY OR AREA Section 34 Township 31N Range 10W		24. TYPE ELECTRIC AND OTHER LOGS RUN CBL, GR, VDL	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 2936-2981 Pictured Cliffs		26. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORRED No		28. WAS WELL CORRED No	

29. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9.625 K-55	36.0	311'	12.25	225 SX	
7.000 K-55	23.0	5583'	8.75	800 SX	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
4.5	5373'	7487'	200'	2.375	7281	3075'	
				2.063	2930		

31. PERFORATION RECORD (List all perforations) See attachment	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See attachment
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33. PRODUCTION	
DATE FIRST PRODUCTION 3-17-95	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing
DATE OF TEST 3-26-95	WELL STATUS (Producing or shut-in) 31-WAITING ON PIPLN
HOURS TESTED 11	CHOKI SIZE 32/64
PROD'N FOR TEST PERIOD	OIL - BBL 0
GAS - MCF. not meas.	WATER - BBL 6
GAS-OIL RATIO	

FLOW TUBING PRESS 0	CASING PRESSURE 90	CALCULATED FLOW RATE 0	OIL - BBL 0	GAS - MCF. not meas.	WATER - BBL 13	OIL GRAVITY - API (CORR.)
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34. DISPOSITION OF C&E (Sold, used for fuel, varied, etc.) To be sold	TEST WITNESS ACCEPTED FOR RECORD
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35. LIST OF ATTACHMENTS Perf & frac sheet, C102	APR 11 1995
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	SIGNED <u>Patty Haebele</u> TITLE <u>Staff Assistant</u>	FARMINGTON DISTRICT OFFICE
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* (See Instructions and Spaces for Additional Data on Reverse Side)

Atlantic 1ESec. 34-T31N-R10W30-045-258604/6/95

MIRUSU 3-7-95. RBP set at 5327'. Ran GR, CBL, and VDL. Pumped into hole at 1.5 bpm at 500#. Isolated leak at 3125-3138'.

Set RBP at 3200', test to 500 psi, ok. Spot sand on top of plug and reset packer at 2824'.

Squeeze 3125-3126' with 185 sx Class B neat cement, 15.6 ppg. Avg rate 10 bpm. Max pressure 750 psi. Drill out to 3117' and circulate hole clean. Move RBP up to 3085'.

Limited entry perforations in Pictured Cliffs from 2936-2981' with 1 JSPP, 4" gun size, 19 gms, 10 total shots fired: Perf: 2936-2936', 2941-2941', 2946-2946', 2951-2951', 2956-2956', 2961-2961', 2966-2966', 2971-2971', 2976-2976', 2981-2981'. Set packer at 2632', test packer 500 psi, ok.

Frac Pictured Cliffs from 2936-2981' with 45,100 lbs of 16/30 sand; 308,739 scf N₂, fluid volume 224 bbls, 70% foam quality. ISIP 1820 psi. Max pressure 2388 psi. Max rate 27 bpm.

Tag sand at 3012'. Clean out 73' of sand on top of RBP at 3085'. Latch onto RBP, TOH. Swab and flow back after frac.

Reperforated 2936-2981 ft with 2 JSPP, 90 total shots fired, 4.50" diameter, 4" gun size, 120 deg phasing, 19 gms. RIH and retrieve RBP at 5327'. Cleanout to PBTD of 7430'.

TIH with 2.375" tubing and packer. Land tubing at 7281'. Set packer at 3075'.

TIH with 2.063" tubing and land at 2930'. RDMOSU 3/30/95.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and estimate thickness of each interval; and all drill stems, tests, logs, and other data used, including and showing pressure, and recovery).

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE DEPTH
				Ojo Alamo	1580	
				Kirkland	1650	
				Fruitland	2600	
				Pictured Cliffs	2932	
				Lewis	3080	
				Cliffhouse	4435	
				Henefer	4765	
				Point Lookout	5195	
				Mancos	5470	
				Gallup	6465	
				Graneros	7252	
				Dakota	7294	