

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-012202	
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 AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. Bolack E 1M	
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements)* At surface 1590' FSL 1090' FEL UNIT I		9. API WELL NO. 3004529251	
At top prod. interval reported below		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
At total depth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 33 Township 28N Range 8W	
14. PERMIT NO.		12. COUNTY OR PARISH San Juan	13. STATE New Mexico
15. DATE SPUDDED 7/11/95	16. DATE T.D. REACHED 7/24/95	17. DATE COMPL. (Ready to prod.) 12/15/95	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5841' GR
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 6662'		
21. PLUG, BACK T.D., MD & TVD 4566' T&A plug	22. IF MULTIPLE COMPL., HOW MANY* 2	23. INTERVALS DRILLED BY ROTARY TOOLS YES	CABLE TOOLS NO
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Dakota 6494-6612'			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN IND CBL CCL Injection Profile			27. WAS WELL CORED No

28. 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" J-55	36#	89'	12.25"	60 sx Class B, circ to surf	
7.000" K-55	23#	2401'	7.875"	340 sx Cl B, circ to surf	
3.500" N-80	9.3#	6662'	6.25"	610 sx Cl B, TOC 1412'	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
						none

31. PERFORATION RECORD (Interval, size and depth) 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 10/4/95	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing						
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold	TEST WITNESSED BY ACCEPTED FOR RECORD
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35. LIST OF ATTACHMENTS Perf & frac page	Note: Dakota is temporarily abandoned
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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 Haefele</u>	TITLE <u>Staff Assistant</u>

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

Penalty: 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to provide false information to any department or agency of the United States any false, fictitious or fraudulent information.

NMOC

ACCEPTED FOR RECORD
JAN 08 1996
FARMINGTON DISTRICT OFFICE
BY [Signature] DATE 12/18/95

7. 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.	NAME	TOP	
					MEAS. DEPTH	TRUE
						VERT. DEPTH
				Cliffhouse	3796'	
				Menefee	3818'	
				Point Lookout	4376'	
				Greenhorn	6296'	
				Graneros	6365'	
				Dakota	6396'	

Work commenced 9/27/95. Install frac valve and pressure test casing to 5000 psi, held. Tagged at 6590'. Run CBL and CCL 3588-6590'. Baffle plate at 6632 ft. Drilled cement and float collar at 6628'. Circulate hole clean 6622-6650 ft. Pressure test 3000 psi, held.

Limited entry perforations in Dakota: 6494', 6502', 6539', 6558', 6583', 6590', 6596', 6601', 6612' with 1 JSPF, 9 total shots, diameter .290", 2" gun. Displace 6494-6612 ft with 55 bbls fresh water. Max pressure 5200 psi, max rate 6.3 bpm. Balled off at 5200 psi. RIH with BHP bombs to 6620', bhp 2815 psi, TP 689 psi, fluid level at 1030'. Frac 6494-6612 ft with 183,473 lbs 20/40 Ottawa sand; 1,617,825 scf, 70% quality. Avg pressure 4962 psi, avg rate 7.46 bpm. Set CIBP at 4650 and pressure test to 5000 psi.

Limited entry perforations in Mesaverde (Point Lookout): 4248', 4266', 4378', 4383', 4387', 4390', 4393', 4396', 4406', 4410', 4441', 4468', 4479', 4508', 4550' with 1 JSPF, 15 total shots, diameter .290", 2" gun. Spotted 6 gal acid on perf 4550 ft with dump bailer to break down perfs - unable to breakdown. Well started to flow back frac. Drill out CIBP at 4580 ft to hard bottom at 6625 ft. Cleanout 4580-6625 ft. Flow well. Plugback 4557-4566 ft with 1 sx cement.

Limited entry perforations in Mesaverde (Point Lookout): 4207, 4212, 4319, 4436, 4474, 4498 with 1 JSPF, 6 total shots, .290" diameter, 2" gun. Acidize 4207-4550 ft with 12 bbls acid, 15% strength, and displace with 31 bbls filtered fresh water. Max pressure 4500 psi, max rate 5.8 bpm.

Limited entry perforations in Mesaverde (Cliffhouse): 3802, 3804, 3807, 3810, 3812, 3816, 3909, 3912, 3915, 4030, 4042, 4048, 4090, 4092, 4104, 4142, 4144, 4152 with 1 JSPF, 18 total shots. Displace 3802-4550 ft with 48 bbls filtered fresh water, max pressure 5000 psi, max rate 8.8 bpm. Tag at 4555 ft. Frac 3802-4550' with 165,436 lbs 16/30 Arizona sand; 1,405,639 scf, 70% quality. Flow well. Tag at 4478'. Cleanout 4478-4556'. Log with injection profile 3695-4560'.

Perforate Mesaverde: 3802-3818, 3906-3916, 4026-4034, 4038-4050, 4090-4095, 4140-4154, 4374-4400, 4402-4412, 4435-4445, 4460-4464, 4466-4484, 4486-4494, 4496-4500, 4504-4510, 4546-4552 with 2 JSPF, 314 total shots, .290" diameter, 2" gun. Flow well. RIH with bomb to 4558', bhp 656 psi. Tag at 4558'. TIH with spinner survey, spinner inconclusive. No tubing landed in 3.5" casing. Dakota is temporarily abandoned. Work completed 12/15/95.