

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> N.M. Oil Con		5. LEASE DESIGNATION AND SERIAL NO. NMLC-030187	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> P 1980 Hobbs, NM 88241		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Arch Petroleum Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 10 Desta Drive, Suite 420E Midland, Texas 79705 (915) 685-1961		8. FARM OR LEASE NAME, WELL NO. C. E. Lamunyon #59	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 330' FNL and 1300' FWL (Unit D) At top prod. interval reported below At total depth		9. API WELL NO. 30-025-33443	
14. PERMIT NO.		DATE ISSUED 04/03/96	
15. DATE SPUDDED 10/14/97		12. COUNTY OR PARISH Lea County	
16. DATE T.D. REACHED 10/29/97		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 12/06/97		18. ELEVATIONS (DF, RKB, RT, GE, ETC.)* 3318'	
19. ELEV. CASINGHEAD 3333'		20. TOTAL DEPTH, MD & TVD 5990'	
21. PLUG, BACK T.D., MD & TVD 5956'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS R		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 5432-5762' Blinebry		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN BC/LSS, DDL/ML, CPD/CNL		27. WAS WELL CORED No	

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
8-5/8" LT&C	23#	1032'	12-1/4	900 sx Class "C". Circ. 100 bbls to surface	
5-1/2" J-55	15.5#	5990'	7-7/8	1225 sx Class "C". Circ. 115 sx to surface	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	5823'	

31. PERFORATION RECORD (Interval, size and number) 5432, 5444, 5468, 5484, 5497, 5540, 5546, 5574, 5587, 5614, 5643, 5661, 5670, 5679, 5706, 5734, 5762. Total 17 holes.					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
					DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
					5432-5762	1680 gal. 15% NEFE Acid	
					5432-5762	27,300 gal 40 quality gel + 173,000#	
						16/30 Jordan Sand	

33. * PRODUCTION							
DATE FIRST PRODUCTION 12/06/97		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Pumping				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 12/08/97	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL---BBL. 64	GAS---MCF. 176	WATER---BBL. 172	GAS-OIL RATIO 2750
FLOW. TUBING PRESS. 40	CASING PRESSURE 400	CALCULATED 24-HOUR RATE →	OIL---BBL.	GAS---MCF.	WATER---BBL.	OIL GRAVITY-API (CORR.) 37.6	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold	TEST WITNESSED BY
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35. LIST OF ATTACHMENTS Inclination record, C-104, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Robin S. McCauley TITLE Technical Administrator DATE 12/16/97

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show 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.
Penrose	3391	3480	possible oil & gas
Paddock	4952	5280	possible oil & gas
Blaine	5338	5990	Oil & gas

38. GEOLOGICAL MARKERS			38. GEOLOGICAL MARKERS		
NAME	TOP		NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH		MEAS. DEPTH	TRUE VERT. DEPTH
Dewey Lake	790		Blaine	5338	
Rustler	1064				
Salado	1180				
B. Salt	2410				
Yates	2577				
7 Rivers	2828				
Penrose	3391				
Grayburg	3590				
San Andres	3835				
Paddock	4952				

