

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

WELL API NO. 30-025-06018
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 14896

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name Bertie Whitmire	
b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☒ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____		8. Well No. 8	
2. Name of Operator Arch Petroleum Inc.		9. Pool name or Wildcat Cass; Penn SE Monument Albo	
3. Address of Operator 300 N. Marienfeld, Suite 600 Midland, Texas 79701			
4. Well Location Unit Letter <u>F</u> : <u>1650</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>8</u> Township <u>20S</u> Range <u>37E</u> NMPM Lea County			
10. Date Spudded 11/17/98	11. Date T.D. Reached 11/30/98	12. Date Compl. (Ready to Prod.) 12/17/98	13. Elevations (DF & RKB, RT, GR, etc.) 3552' GR
14. Elev. Casinghead			
15. Total Depth 7940	16. Plug Back T.D. 7894	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools ☒ Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 7690-7720' Cass; Penn			20. Was Directional Survey Made No
21. Type Electric and Other Logs Run GR, CNL			22. Was Well Cored Yes

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48#	438'	17-1/4	475 sx	
9-5/8	36#	2829'	12-1/4	1700 sx	
7	20 & 23	5249'	8-3/4	400 sx	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
4-1/2	4822'	7937'	500	2 3/8	7032	7032

26. Perforation record (interval, size, and number) 7690-7720' 4 jsp	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 7690-7720' AMOUNT AND KIND MATERIAL USED 250 gallons 10% Acetic Acid
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28. PRODUCTION							
Date First Production 12/19/98	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping					Well Status (Prod. or Shut-in) Producing	
Date of Test 01/01/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - BbL. 20	Gas - MCF 9	Water - BbL. 129	Gas - Oil Ratio 450
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL.	Gas - MCF	Water - BbL.	Oil Gravity - API - (Corr.) 36.4	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By
30. List Attachments Logs, Inclination Survey	

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature <u>Robin S. McCarley</u>	Printed Name <u>Robin S. McCarley</u>	Title <u>Prod. Tech.</u>	Date <u>01/27/99</u>

2nd Monument Padlock

This form is to be filled with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

Southeastern New Mexico

Rank	Name	Score	Rank	Name	Score
1.	Anhy	1052.0	T.	Ojo Alamo	T.
T.	Salt	1151.0	T.	Kirtland-Fruitland	T.
B.	Salt	2310.0	T.	Pictured Cliffs	T.
T.	Yates	2395.0	T.	Cliff House	T.
T.	7 Rivers	2667.0	T.	Menefee	T.
T.	Queen	3110.0	T.	Point Lookout	T.
T.	Grayburg	3411.0	T.	Mancos	T.
T.	San Andres	3682.0	T.	Gallup	T.
T.	Glorieta	5065.0	T.	Base Greenhorn	T.
T.	Paddock	5150.0	T.	Dakota	T.
T.	Blinebry	5560.0	T.	Morrison	T.
T.	Tubb	6374.0	T.	Todilto	T.
T.	Drinkard	6506.0	T.	Entrada	T.
T.	Abo	6850.0	T.	Wingate	T.
T.	Wolfcamp	7808.0	T.	Chinle	T.
T.	Penn		T.	Permian	T.
T.	Cisco (Bough C)		T.	Penn. "A"	T.

NO. 1, from 1150 to 7230

NO. 2, from to

NO. 3, from to

NO. 4, from to

NO. 1, from to feet
NO. 2, from to feet
NO. 3, from to feet

(Attach additional sheet if necessary)

From	5288.0	6374.0	1086.0	Dolomite, Sand
To	6374.0	6506.0	132.0	Sand, Dolomite
	6506.0	6860.0	354.0	Dolomite, Lime
	6860.0	7600.0	740.0	Dolomite, Shale
	7600.0	7808.0	208.0	Dolomite
	7808.0	7940.0	132.0	Limestone
Thickness in Feet				
Lithology				
From				
To				
Thickness in Feet				
Lithology				