

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
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
30-025-23494

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.
014920

7. Lease Name or Unit Agreement Name
MATTERN

8. Well No.
1

9. Pool name or Wildcat
PADDOCK

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☐ WORK OVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator
ARCH PETROLEUM INC.

3. Address of Operator
10 DESTA DRIVE, SUITE 420E, MIDLAND, TX 79705

4. Well Location
Unit Letter L 3 1650 Feet From The South Line and 660 Feet From The West Line
Section 30 Township 21S Range 37E NMPM Lea County

10. Date Spudded 4/24/70 11. Date T.D. Reached 5/12/70 12. Date Compl. (Ready to Prod.) 3/23/96 13. Elevations (DF & RKB, RT, GR, etc.) GR=3516', RKB=3527' 14. Elev. Casinghead

15. Total Depth 5975' 16. Plug Back T.D. 5450' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Cable Tools X

19. Producing Interval(s), of this completion - Top, Bottom, Name 5153'-5243' Paddock 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run GR-PND & GR-CCL-CBL 22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12-3/4"	48	309'	17-1/2"	250 sx	
8-5/8"	24 & 32	2680'	11"	350 sx	
5-1/2"	15-1/2	5975'	7-7/8"	450 sx	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-7/8"	5152'	

26. Perforation record (interval, size, and number) 5153', 5155', 5198', 5200', 5203', 5240', & 5243' w/2 - 0.45 JHPF - Total 14 holes	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	5153 - 5243'	2,000 gal 15% NEFE HCL

PRODUCTION

Date First Production 3/23/96		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 1-1/2" rod pump				Well Status (Prod. or Shut-in) Prod	
Date of Test 3/28/96	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 12	Gas - MCF 13	Water - Bbl. 247	Gas - Oil Ratio 1083
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 12	Gas - MCF 13	Water - Bbl. 247	Oil Gravity - API - (Corr.) 33.4	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By

30. List Attachments

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 Bobbie Brooks Printed Name Bobbie Brooks Title Prod. Analyst Date 4/9/96

INSTRUCTIONS

This form is to be filed 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 special 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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE
Northwestern New Mexico

Southeastern New Mexico

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinberry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____	T. _____
T. Wolfcamp _____	T. _____
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

..... IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

Include data on rate of water inflow and elevation to which water rose in hole.

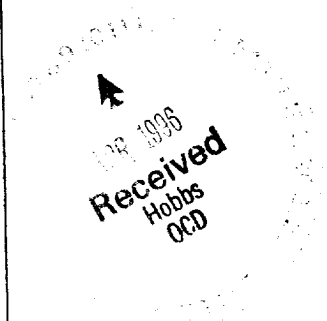
No. 1, from to feet.....

No. 2, from to feet.....

No. 3, from to feet.....

UNITED STATES GEOLOGICAL SURVEY (Attach additional sheet if necessary)

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
							

128 1995
Received
Hobbs
OCD