

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL API NO.

30-025-33544

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

14920

7. Lease Name or Unit Agreement Name

Mattern

8. Well No.

4

9. Pool name or Wildcat

Blinebry

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 K : 2310 Feet From The South Line and 2310 Feet From The West Line

Section 30 Township 21S Range 37E NMPM Lea County

10. Date Spudded 3/5/97 11. Date T.D. Reached 4/2/97 12. Date Compl. (Ready to Prod.) 5/17/97 13. Elevations (DF& RKB, RT, GR, etc.) GR 3491 14. Elev. Casinghead

15. Total Depth 6818 16. Plug Back T.D. 6215 17. If Multiple Compl. How Many Zones? No 18. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐

19. Producing Interval(s), of this completion - Top, Bottom, Name 5527' - 5959' 20. Was Directional Survey Made

21. Type Electric and Other Logs Run GR-CPD-CNL-CL, GR-DLL-MLL 22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	1257'	12-1/4"	620sx Cl'C' cir 130 to	surface
5-1/2"	15.5#	6818'	7-7/8"	625sx 50/50 PozC w/2% gel 5# salt	
				4/10% FL-62 did not circ. 150sx Cl'C'	
				w/2% CaCl toc 1400 by TS. 1250sx 50/5	
				PozC w/10% gel 5# salt, 5# gilsonite,	
				16/30 mesh Ottawa sand	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	5337'

26. Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
5527, 5714, 5563, 5573, 5585, 5604, 5612, 5634, 5650, 5661, 5678, 5687, 5702, 5714, 5722, 5747, 5780, 5814, 5824, 5856, 5869, 5944, 5959 (23 sel w/4-1/2 JHPF) total 92 holes		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		5527' - 5959'	4700 gals 15% NEFE HCL
		5527' - 5959'	70,500 gals 40# XL gel 205,000#
			16/30 mesh Ottawa sand

PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
5/17/97		Pumping				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
6/22/97	24			15	43	494	2866
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
						34.1	

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

30. List Attachments

Deviation Report

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 6/27/97

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

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy	1190	T. Canyon	T. Ojo Alamo	T. Penn. "B"	
T. Salt	1274	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"	
B. Salt	2476	T. Atoka	T. Pictured Cliffs	T. Penn. "D"	
T. Yates	2628	T. Miss	T. Cliff House	T. Leadville	
T. 7 Rivers	2891	T. Devonian	T. Menefee	T. Madison	
T. Penrose	3504	T. Silurian	T. Point Lookout	T. Elbert	
T. Grayburg	3672	T. Montoya	T. Mancos	T. McCracken	
T. San Andres	3920	T. Simpson	T. Gallup	T. Ignacio Otzte	
T. Glorieta		T. McKee	Base Greenhorn	T. Granite	
T. Paddock	5111	T. Ellenburger	T. Dakota	T.	
T. Blinberry	5500	T. Gr. Wash	T. Morrison	T.	
T. Tubb		T. Delaware Sand	T. Todilto	T.	
T. Drinkard	6408	T. Bone Springs	T. Entrada	T.	
T. Abo		T.	T. Wingate	T.	
T. Wolfcamp		T.	T. Chinle	T.	
T. Penn		T.	T. Permian	T.	
T. Cisco (Bough C)		T.	T. Penn "A"	T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 6652 to 6679
 No. 2, from 5527 to 5959
 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.

No. 1, from _____ to _____ feet.
 No. 2, from _____ to _____ feet.
 No. 3, from _____ to _____ feet.

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	1190		Redbeds & Sands				
1190	1274		Anhydrite				
1274	2476		Salt, Anhydrite				
2476	2628		Anhydrite & Shale				
2628	2891		Sand, Dolomite				
2891	3504		Anhydrite & Dolomite				
3504	3672		Sand, Dolomite, LS				
3672	3920		Dolomite				
3920	5111		Dolomite				
5111	5500		Dolomite & Lime				
5500	6408		Dolomite				

RECEIVED
DIVISION
OCT 10 1960