

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.	30-025-33544
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil & Gas Lease No.	14920

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name Mattern
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____	8. Well No. 4
2. Name of Operator Arch Petroleum Inc.	9. Pool name or Wildcat Drinkard
3. Address of Operator 10 Desta Drive, Suite 420E, Midland, TX 79705	

4. Well Location Unit Letter <u>K</u> : <u>2310</u> Feet From The <u>South</u> Line and <u>2310</u> Feet From The <u>West</u> Line Section <u>30</u> Township <u>21S</u> Range <u>37E</u> NMPM Lea County

10. Date Spudded 3/5/97	11. Date T.D. Reached 4/2/97	12. Date Compl. (Ready to Prod.) 4/24/97	13. Elevations (DF& RKB, RT, GR, etc.) GR 3491	14. Elev. Casinghead
15. Total Depth 6818	16. Plug Back T.D. 6795	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <u>X</u> Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 6652 - 6659, 6669 - 6679				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 C1'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 C1'C'	
				w 2% CaCl toc 1400 by TS. 1250sx 50/5	
				PozC w 10% gel 5# salt, 5# gilsonite,	

24. LINER RECORD				25. TUBING RECORD 1/4#CelloFlak		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-3/8"	6557'	

26. Perforation record (interval, size, and number) 6652 - 59' & 6669 - 79' (w/4 - 0.45" JHPE total 10 holes)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 6652 - 79 11,000 gal 15% NEFE HCL 6652 - 79 Frac w/22,000 gal, 40# XL gel 24,352# 16/30 mesh ottawa sand
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28. PRODUCTION

Date First Production 4/24/97	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) P		
Date of Test 4/27/97	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 6	Gas - MCF 28	Water - Bbl. 10	Gas - Oil Ratio 4666
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 34.9	

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

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 quadruplicate except on state land, where six copies are required. See Rule 1105.

Southeastern New Mexico

T. Anhy	1190	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	1274	T. Swann	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. Grayrose	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 Ortiz
T. Gioneta	5111	T. McKee	Base Greenhorn	T. Granite
T. Paddock	5500	T. Ellenburger	T. Dakota	T.
T. Blinbry	5500	T. Gr. Wash	T. Morrison	T.
T. Tubb	6408	T. Delaware Sand	T. Todillo	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.

No. 1, from	6652	to	6679	No. 3, from	to
No. 2, from	5527	to	5959	No. 4, from	to

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

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

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

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