

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 COMPLETION OR RECOMPLETION REPORT AND LOG						WELL API NO. 35-025-33882									
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐						5. Indicate Type of Lease STATE ☐ FEE ☒									
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐						6. State Oil & Gas Lease No. 014899									
2. Name of Operator Arch Petroleum Inc.						7. Lease Name or Unit Agreement Name C. D. Woolworth									
3. Address of Operator 10 Desta Drive, Sutie 420E, Midland, TX 79705						8. Well No. 11									
4. Well Location Unit Letter <u>N</u> : <u>1185</u> Feet From The <u>South</u> Line and <u>1330</u> Feet From The <u>West</u> Line Section <u>30</u> Township <u>24S</u> Range <u>37E</u> NMPM Lea County						9. Pool name or Wildcat Langlie-Mattix									
10. Date Spudded 4/14/97		11. Date T.D. Reached 4/26/97		12. Date Compl. (Ready to Prod.) 5/8/97		13. Elevations (DF & RKB, RT, GR, etc.) 3258' GR									
15. Total Depth 3760'		16. Plug Back T.D. 3735'		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 3484' - 3608'						20. Was Directional Survey Made No									
21. Type Electric and Other Logs Run GR-SDL-DSN-CL, GR-DLL-MSFL						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"		20#		479'		11"		260sx C1"C" w/2% CaCl2		& 1/4#					
								Flocele/sx, cir 125sx		to surface					
4-1/2"		11.6#		3760'		7-7/8"		950sx Lead C1"C" w/6%		gel 5% salt,					
								300sx Tail 50/50 Pozm		x C1"C" w/2%					
								gel, 5% salt & 4/10 of		1% FL-62					
24. LINER RECORD								25. TUBING RECORD							
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
										2-3/8"					
26. Perforation record (interval, size, and number) 3484', 3494', 3502', 3520', 3544', 3573', 3588', 3595', & 3608' w/4 JHPF								27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.							
								DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED					
								3484' - 3608'		2100 gal w/15% NEFE HCL					
								3484' - 3608'		31,000 gal 35# XL gel &					
										104,000 12/20 mesh Brady sand					
28. PRODUCTION															
Date First Production 5/8/97		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping						Well Status (Prod. or Shut-in) Prod.							
Date of Test 5/22/97		Hours Tested 24		Choke Size		Prod'n For Test Period		Oil - Bbl. 30		Gas - MCF 58		Water - Bbl. 20		Gas - Oil Ratio 1933	
Flow Tubing Press.		Casing Pressure 45		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API - (Corr.) 33.3			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold										Test Witnessed By					
30. List Attachments Logs & Deviation 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>Bobbie Brooks</u>								Printed Name <u>Bobbie Brooks</u>		Title <u>Prod. Analyst</u>		Date <u>6/3/97</u>			

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 quadruplicate 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	1060	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	1240	T. Strawn	T. Kirtland-Fruiland	T. Penn. "C"
B. Salt	2732	T. Aloka	T. Picured Cliffs	T. Penn. "D"
T. Yates	2895	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	3129	T. Devonian	T. Menefee	T. Madison
T. Queen	3568	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg		T. Montoya	T. Mancos	T. McCracken
T. San Andres		T. Simpson	T. Gallup	T. Ignacio Ortiz
T. Glorieta		T. McKee	Base Greenhorn	T. Granite
T. Paddock		T. Ellensburg	T. Dakota	
T. Blinberry		T. Gr. Wash	T. Morrison	
T. Tubb		T. Delaware Sand	T. Todillo	
T. Drinkard		T. Bone Springs	T. Entrada	
T. Abo			T. Wingate	
T. Wolfcamp			T. Chinle	
T. Perm			T. Permian	
T. Cisco (Bough C)			T. Penn "A"	

OIL OR GAS SANDS OR ZONES

No. 1, from.....	3178	No. 1, from.....	3425
No. 2, from.....		No. 2, from.....	
No. 3, from.....		No. 3, from.....	
No. 4, from.....		No. 4, from.....	

IMPORTANT WATER SANDS

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

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology
0	1060	1060	Redbed
1060	1240	1240	Anhydrite & Shale
1240	2732	2732	Salt & Redbed & Anhy
2732	2895	2895	Sand, Anhy, Shale
2895	3129	3129	Dolo & Sd
3129	3568	3568	Dolo & Sd
3568	TD	TD	Dolo & Sd
From	To	Thickness in Feet	Lithology