

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

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
 Santa Fe, NM 87505

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

DISTRICT III  
 1000 Rio Brazos Rd, Aztec, NM 87410

WELL API NO.  
 30-025-35004

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

**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 \_\_\_\_\_

7. Lease Name or Unit Agreement Name

Learcy McBuffington

2. Name of Operator  
 Arch Petroleum Inc.

8. Well No.  
 13Y

3. Address of Operator  
 P. O. Box 10340, Midland, TX 79702-7340

**CONFIDENTIAL**

9. Pool name or Wildcat  
 Justis Strawn Detrital *Abo, Central*

4. Well Location  
 Unit Letter O : 630 Feet From The South Line and 2490 Feet From The East Line  
 Section 13 Township 25 Range 37 NMPM Lea County

10. Date Spudded 04/13/00 11. Date T.D. Reached 04/29/00 12. Date Compl. (Ready to Prod.) 06/09/00 13. Elevations (DF & RKB, RT, GR, etc.) 3077' GR 14. Elev. Casinghead 3078'

15. Total Depth 7150 16. Plug Back T.D. CIBP @ 6930 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 6760'-80' Strawn Detrital 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run CNLD-IL 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
13-3/8	54.50# & 48#	510	17-1/2	600 sks - circ 200 sks	
8-5/8	32# & 24#	3000	11	1300 sks - circ 126 sks	
5-1/2	17# & 15.5#	7150	7-7/8	1450 sks - TOC @ 710'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6481	

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6978 - 7000 (2 SPF) <i>Montoya</i>	Acidz w/ 1000 gas 15% HCL-Unsuccessful frac attempt
	6760 - 6780 (2 SPF) <i>Abo</i>	Acidz w/ 1000 gals 15% HCL Frac w/ 34,000# 16/30 Ottawa sand

**PRODUCTION**

28. Date First Production 06/10/00 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) Producing  
 Date of Test 06/11/00 Hours Tested 24 Choke Size \_\_\_\_\_ Prod'n For Test Period \_\_\_\_\_ Oil - BbL. 31 Gas - MCF 90 Water - BbL. 41 Gas - Oil Ratio 2903:1  
 Flow Tubing Press. \_\_\_\_\_ Casing Pressure \_\_\_\_\_ Calculated 24-Hour Rate \_\_\_\_\_ Oil - BbL. 31 Gas - MCF 90 Water - BbL. 41 Oil Gravity - API - (Corr.) 35.2

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

30. List Attachments  
C-104, Logs, Sundry, 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 Cathy Tomberlin Printed Name Cathy Tomberlin Title Operation Tech Date 06/14/00

# 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 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.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

T. Anyh	718.0	T. Canyon	850.0	T. Salt	T. Penn. "B"
T. Salt	850.0	T. Strawn	2166.0	T. Salt	T. Penn. "C"
B. Salt	2166.0	T. Atoka	2366.0	T. Yates	T. Penn. "D"
T. Yates	2366.0	T. Miss	2628.0	T. 7 Rivers	T. Leadville
T. 7 Rivers	2628.0	T. Devonian	2987.0	T. Queen	T. Madison
T. Queen	2987.0	T. Silurian	3311.0	T. Grayburg	T. Elbert
T. Grayburg	3311.0	T. Montoya	6830.0	T. McCracken	T. Elbert
T. San Andres	3542.0	T. Simpson	7050.0	T. Ignacio Otzle	T. Elbert
T. Glorieta	4579.0	T. McKee	4579.0	T. Base Greenhorn	T. Elbert
T. Paddock	4636.0	T. Ellenburger	4636.0	T. Dakota	T. Elbert
T. Blinberry	4989.0	T. Gr. Wash	4989.0	T. Morrison	T. Elbert
T. Tubb	5642.0	T. Delaware Sand	5642.0	T. Todillo	T. Elbert
T. Drinkard	5895.0	T. Bone Springs	5895.0	T. Entrada	T. Elbert
T. Abo	6447.0	T. Strawn Detrital	6652.0	T. Wingate	T. Elbert
T. Wolfcamp		T. Chinle		T. Permian	T. Elbert
T. Penn		T. Permian		T. Penn. "A"	T. Elbert
T. Cisco (Bough C)					T. Elbert

### OIL OR GAS SANDS OR ZONES

No. 1, from 4790	to 4950	No. 3, from 6360	to 6570
No. 2, from 5100	to 5900	No. 4, from 6750	to 6810
		7000	

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
0.0	718.0		red bed, gravel, sd				
718.0	850.0		anyh dol				
850.0	2166.0		salt anyh				
2166.0	2366.0		sand anyh				
2366.0	2628.0		anyh dol				
2628.0	2987.0		dolo, sand				
2987.0	3311.0		sand, dolo, anyh				
3311.0	3542.0		anyh, lime, dol				
3542.0	4579.0		dol, anyh, chert				
4579.0	4989.0		dol, lime, chert				
4989.0	5642.0		dol, sand, chert				
5642.0	6447.0		dol, lime, chert				
6447.0	6830.0		dol, lime, chert, sh				
6830.0	7050.0		dol, chert, lime				
7050.0			shale, lime				