

**State of New Mexico**  
**Energy, Minerals and Natural Resources**

**Form C-105**  
Revised June 10, 2003

Submit To Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
1301 W. Grand Avenue, Artesia, NM 88210  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

WELL API NO.  
30-025-33544

5. Indicate Type of Lease  
STATE ☐ FEE ☒

State Oil & Gas Lease No.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. Lease Name or Unit Agreement Name  MATTERN
b. Type of Completion: NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input checked="" type="checkbox"/> DIFF. WELL OVER BACK RESVR. <input type="checkbox"/> OTHER		
2. Name of Operator  ARCH PETROLEUM INC.		8. Well No.  4
3. Address of Operator  P. O. BOX 10340, MIDLAND, TX 79702-7340		9. Pool name or Wildcat  PENROSE SKELLY GRAYBURG

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	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) 04/16/06	13. Elevations (DF& RKB, RT, GR, etc.) 3491	14. Elev. Casinghead	
15. Total Depth	16. Plug Back T.D. 5450'	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 GRAYBURG 3690-3883 (OA)				20. Was Directional Survey Made	
21. Type Electric and Other Logs Run			22. Was Well Cored		

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	620 SKS	
5-1/2	15.5	6818	7-7/8	625 SKS	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	4001	

26. Perforation record (interval, size, and number)  GRAYBURG 3690-3883 (OA) - 19 HOLES	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	3690-3883	ACDZ W/ 1400 GALS 15% AID
		FRAC W/ 90,000# BROWN + 30,000# SLC

28. PRODUCTION							
Date First Production 04/16/06		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING			Well Status (Prod. or Shut-in) PRODUCING		
Date of Test 04/25/06	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 11	Gas - MCF 235	Water - Bbl. 355	Gas - Oil Ratio 21363:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 34.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By GARY WELLS
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30. List Attachments C-104, SUNDRY
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31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature Cathy Wright Printed Name CATHY WRIGHT Title SR. ENG TECH Date 04/26/06  
E-mail Address wrightc@pogoproducing.com