

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	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003 WELL API NO. 30-025-33544 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> 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 _____ 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 _____		7. Lease Name or Unit Agreement Name: MATTERN
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		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
8-5/8	23	1257
5-1/2	15.5	6818
HOLE SIZE		CEMENTING RECORD
12-1/4		620 SKS
7-7/8		625 SKS
24. LINER RECORD SIZE TOP BOTTOM SACKS CEMENT SCREEN _____ _____ _____		
25. TUBING RECORDS 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 04/19/06	Hours Tested 24	Choke Size
Prod'n For Test Period	Oil - Bbl 0	Gas - MCF 221
Water - Bbl. 301	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
Oil - Bbl.	Gas - MCF	Water - Bbl.
Oil Gravity - API - (Corr.)		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD		Test Witnessed By GARY WELLS
30. List Attachments C-104, SUNDRY		
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 <u>Cathy Wright</u> Printed Name CATHY WRIGHT Title SR. ENG TECH <u>KW</u> Date 04/20/06 E-mail Address wrightc@pogoproducing.com		

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	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	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.....to.....
No. 2, from.....to.....

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