

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.	30-025-31989
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 _____				7. Lease Name or Unit Agreement Name Arco A Com	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____				8. Well No. 1	
2. Name of Operator Rand Oil & Gas, Inc.				9. Pool name or Wildcat South Knowles (Devonian)	
3. Address of Operator 4006 Beltline Road, Suite 290, Addison, Texas 75244					
4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>north</u> Line and <u>1980</u> Feet From The <u>west</u> Line Section <u>18</u> Township <u>17S</u> Range <u>39E</u> NMPM <u>Lea</u> County _____					
10. Date Spudded 1 June 93	11. Date T.D. Reached 2 July 93	12. Date Compl. (Ready to Prod.) 22 July 93	13. Elevations (DF & RKB, RT, GR, etc.) 3670.5	14. Elev. Casinghead	
15. Total Depth 12,137	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <u>XX</u> Cable Tools	19. Producing Interval(s), of this completion - Top, Bottom, Name 12,070 (top)/12,127 (bottom)/ Devonian	
21. Type Electric and Other Logs Run Microlog/Gamma Ray; Comp Nuutron Lith Den Gamma Ray; Laterolog				20. Was Directional Survey Made yes	
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
12-3/4	35#/406.75'	406'	15"	520 sx/Class C+2% SI	
8-5/8	32#/4967	4967'	11"	1415 sx	
5 1/2	20#/12072'	12072'	7-7/8"	550 sx	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	12017	12017

26. Perforation record (interval, size, and number) OPEN HOLE	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	12070-12137	500 gal 15%

28. PRODUCTION							
Date First Production 22 July 93		Production Method (Flowing, gas lift, pumping - Size and type pump) flowing				Well Status (Prod. or Shut-in) prod	
Date of Test 28 July 93	Hours Tested 24	Choke Size 9/64"	Prod'n For Test Period	Oil - Bbl. 140	Gas - MCF 94.51	Water - Bbl. 0	Gas - Oil Ratio .68/1 bbl
Flow Tubing Press. 690#	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 140	Gas - MCF 94.51	Water - Bbl. 0	Oil Gravity - API - (Corr.) 48	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) flared	Test Witnessed By Al Saenger
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30. List Attachments logs, deviation report
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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 Jan A. DeVault Printed Name Jan A. DeVault Title agent Date 28 July 1993

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

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates 3555
 T. 7 Rivers _____
 T. Queen _____
 T. Grayburg _____
 T. San Andres 5468
 T. Glorieta 6968
 T. Paddock _____
 T. Blinebry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp _____
 T. Penn 10807
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn _____
 T. Atoka _____
 T. Miss 11245
 T. Devonian 12070
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Delaware Sand 8344
 T. Bone Springs _____
 T. _____
 T. _____
 T. _____

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 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
5000	5468		Anhy/Gyp	9340	9400		Dolomite
5468	5510		Limestone	9400	9460		Limestone
5510	6320		Dolomite	9460	9500		Dolomite
6320	6972		Limestone	9500	10644		Limestone
6972	7130		Dolomite	10644	10680		Cherty Limestone
7130	7270		Limestone	10680	10806		Limestone
7270	7308		Sandstone	10806	10846		Chert
7308	7370		Dolomite	10846	10990		Cherty Limestone
7370	7466		Limestone	10990	11120		Limestone
7466	7670		Sandy Shale	11120	11146		Limey Shale
7670	7840		Sandy Shale	11146	11242		Shale
7840	7910		Limestone	11242	12000		Limestone
7910	7980		Sandy Shale	12000	12070		Shale
7980	8350		Limestone	12070	12140		Dolomite
8340	8400		Sandstone				
8400	8560		Limestone				
8560	9160		Sandstone				
9160	9222		Dolomite				
9222	9340		Limestone				