

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

RECEIVED
BLM
(See other
instructions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND LEASE NO. SF-078764	
b. TYPE OF COMPLETION: NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		6. IF INDIAN ALLOTTEE OR	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY		7. UNIT AGREEMENT NAME ROSA UNIT	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678		8. FARM OR LEASE NAME, WELL NO. 221	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface 1230' FNL & 2245' FNL 290' N & 1260' E At top production interval reported below: SAME At total depth: SAME		9. API WELL NO. 30-039-24500	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT BASIN FRUITLAND COAL	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA A NE/4 NE/4 SEC 18-31N-5W	
12. COUNTY OR PARISH RIO ARriba		13. STATE NM	
15. DATE SPUDDED 9/18/1990		19. ELEVATION CASINGHEAD	
16. DATE T.D. REACHED 09/21/1990			
17. DATE COMPLETED (READY TO PRODUCE) 10/21/1997			
18. ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6460' GR			
20. TOTAL DEPTH, MD & TVD 3380'		21. PLUG, BACK T.D., MD & TVD 3365'	
22. IF MULTICOMP., HOW MANY		23. INTERVALS DRILLED BY	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BASIN FRUITLAND COAL 3204' - 3337'		25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED NO	

28. CASING REPORT (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" K-55	36#	222'	12-1/4"	106 sx	SURF
7" K-55	23#	3174'	8-3/4"	700 sx	SURF

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2" K-55	2981'	3379'	100 sx		2-3/8"	3278'	

31. PERFORATION RECORD (Interval, size, and number) 3204' - 3337'. Total of 164 holes.	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 3204' - 3337' AMOUNT AND KIND OF MATERIAL USED CAVITATED. DID NOT FRAC
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33. PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUT IN)	
DATE OF TEST 12-01-1997	TESTED 30 mins	CHOKE SIZE 32/64"	PROD'N FOR TEST PERIOD	OIL - BBL. -0-	GAS - MCF 0.5	WATER - BBL. 4	GAS-OIL RATIO N/A
FLOW TUBING PRESS 0	CASING PRESSURE 400	CALCULATED 24-HOUR RATE		OIL - BBL. -0-	GAS - MCF 24	WATER - BBL. 100	OIL GRAVITY-API (CORR.) N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TESTED BY
CHICK CHARLEY

35. LIST OF ATTACHMENTS: LOG, SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: SUSAN GRIGORIN TITLE: CLERK DATE: December 22, 1997

ACCEPTED FOR RE

FARMINGTON DISTRICT OFFICE

NMCOO

37.	SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):					38	GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME	TOP			
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH	
OJO ALAMO	2590'	2720'							
KIRTLAND	2720'	3130'							
FRUITLAND	3130'	3325'							
PICTURED CLIFFS	3325'	N/A							

RECEIVED
 SEP 10 1969
 OFF. GEN. MGR.
 OJO ALAMO