

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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OCT 05 2011
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FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

Farmington Field Office
Bureau of Land Management

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a TYPE OF WELL ☒ OIL WELL ☒ GAS WELL DRY OTHER		7 UNIT AGREEMENT NAME Rosa Unit					
b TYPE OF COMPLETION WORKOVER DEEPEN ☒ PLUG BACK DIFF RESVR OTHER Amended Report		8.FARM OR LEASE NAME, WELL NO Rosa Unit #630					
2 NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY		9 API WELL NO 30-039-29508					
3 ADDRESS AND TELEPHONE NO P O Box 640, Aztec, NM 87410 (505) 634-4208		10 FIELD AND POOL, OR WILDCAT Basin Dakota					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 2480' FNL & 2230' FEL SEC 7 31N 4W At top production interval reported below 2410' FNL & 2184 FEL, SEC 7, T31N, R4W At total depth:		11 SEC, T, R, M, OR BLOCK AND SURVEY OR AREA SEC 7 31 N 4W					
14 PERMIT NO		DATE ISSUED					
15 DATE SPUDDED 9/11/09		16 DATE T D REACHED 5/8/10					
17 DATE COMPLETED (READY TO PRODUCE) 10/28/10		18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 6461' GR					
19 ELEVATION CASINGHEAD		12 COUNTY OR Rio Arriba					
13 STATE New Mexico		20 TOTAL DEPTH. 8466' MD					
21. PLUG, BACK T D, MD & TVD 8435' MD		22 IF MULTICOMP, HOW MANY 2					
23 INTERVALS DRILLED BY		ROTARY TOOLS X					
24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Basin DAKOTA 7940' - 8307' NOTE Dakota is isolated by bridge plug @ 7935' W/35' cement - Formation too wet to produce		25 WAS DIRECTIONAL SURVEY MADE Yes					
26 TYPE ELECTRIC AND OTHER LOGS RUN Array Induction Compensated GR-Density-Neutron(2) and Wave Sonic		27 WAS WELL-CORED NO					
28 CASING REPORT (Report all strings set in well)		DIST. 3					
CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED		
10-3/4", J-55	40 5#	354'	14 3/4"	290 SX - SURFACE			
7 5/8", J-55	26.4#	3809'	9 7/8 "	640 SX - SURFACE'			
4 1/2", P-110	11 6#	8462'	6-3/4"	610 SX - 3330'			
29 LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)		
					none		
30 TUBING RECORD							
32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC							
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
7940' - 7990'		Frac w/ 2,400# 100 mesh sand followed w/77,100# 30/50 mesh Ottawa					
8023' - 8126'		Frac with 5,000# 100 mesh sand followed w/102,800# 40/70 Ottawa					
8303' - 8307'		No frac					
33 PRODUCTION Dakota was been plugged and abandoned 8/21/10 - CIBP set @ 7935' and tested to 1800 psi and capped with 35' cement							
DATE OF FIRST PRODUCTION 7/16/10		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)			WELL STATUS (PRODUCING OR SI) P&A		
DATE OF TEST 8/20/10	TESTED	CHOKE SIZE 32/64"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS	CASING PRESSURE 155 psi	CALCULATED 24-HOUR RATE Calculated		OIL - BBL 0	GAS - MCF 98 mcf/d	WATER - BBL 60 bbl/d	OIL GRAVITY-API (CORR)
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc)						TEST WITNESSED BY: Buddy Banks	
35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM						OCT 06 2011	
36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						FARMINGTON FIELD OFFICE	

SIGNED Larry Higgins TITLE PERMIT SUPV

DATE 10/5/11

NMOCD A

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
						FRUITLAND	3125'	
						PICTURED CLIFFS	3292'	
						CLIFFHOUSE	5567'	
						MENEFEE	5615'	
						POINT LOOKOUT	5780'	
						MANCOS	6230'	
						GRANEROS	7894'	
						DAKOTA	8021'	

ROSA UNIT #630

BLANCO MV/BASIN MC/ BASIN DK

Spud Date 9/11/09
MC & DK Completed 10/28/10
5th stage MC & MV completed. 6/15/11

Surface Location

2480' FNL & 2230' FEL
BHL:
2410' FNL & 2184' FEL
Sec 7, T31N, R4W
Rio Arriba, NM

Elevation: 6461' GR
API # 30-039-29508

<u>Tops</u>	<u>Depth</u>
Lewis	3630'
Cliff House	5567'
Point Lookout	5780'
Mancos	6230'
Graneros	7894'
Dakota	8021'

MV: 5755' - 5880' (40, 034" holes) Frac w/90,006# 20/40 BASF Sand.

5th Stage MC: 6795'-6925' (39, 0 34" holes) Frac w/14,946# 100 mesh sand followed w/44,110# 30/50 Ottawa sand followed w/92,356# 20/40 Ottawa sand.

4th Stage MC: 7000'-7195' (48, 0 34" holes) Frac w/14,383# 100 mesh sand followed w/44,353# 30/50 mesh Ottawa followed w/97,056# 20/40 mesh Ottawa

3rd Stage MC: 7280'-7435' (42, 0.34" holes) Frac w/18,032# 100 mesh sand followed w/38,063# 30/50 mesh Ottawa followed w/88,847# 20/40 mesh Ottawa

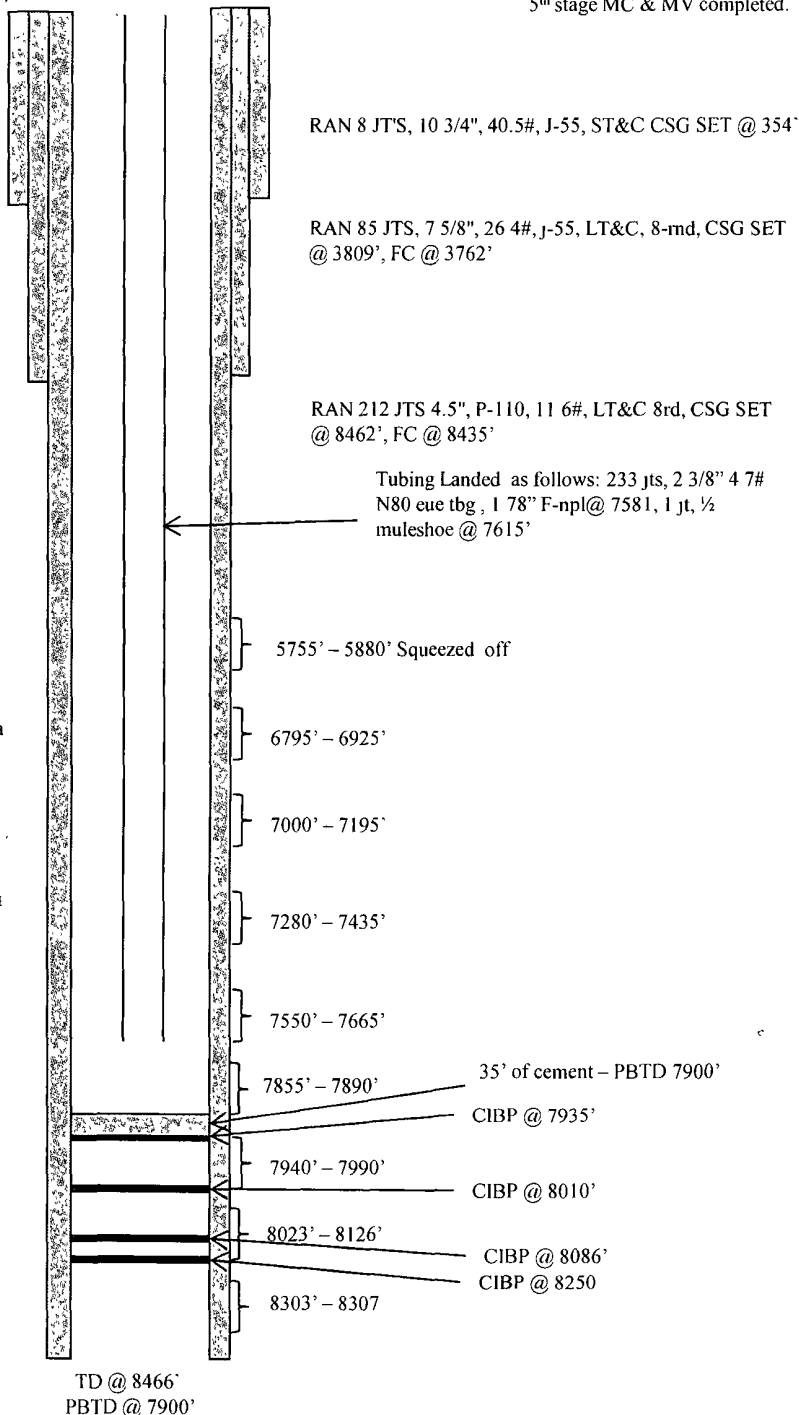
2ND Stage MC: 7550'-7665' (762 0.34" holes) Frac w/15,400# 100 mesh sand followed w/32,100# 30/50 mesh Ottawa

1ST Stage MC: 7855'-7890' (24, 0 34" holes) Frac w/5,700# 100 mesh sand followed w/85,400# 40/70 mesh Ottawa

3rd Stage DK: 7940'-7990' (33, 0 34" holes) Frac w/2,400# 100 mesh sand followed w/77,100# 30/50 mesh Ottawa

2nd Stage DK: 8023'-8126' (57, 0.34" holes) Frac w/5,000# 100 mesh sand followed w/102,800# 40/70 mesh Ottawa

1st Stage DK: 8303'-8307' (9, 0 34" holes) No frac



HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
14-3/4"	10 3/4", 40.5#	290 s xs	522 cu.ft.	surface
9 7/8"	7 5/8", 26.4#	640 s xs	1592 cu.ft.	surface
6-3/4"	4 1/2", 11 6#	610 s xs	854 cu.ft.	3330' - CBL