

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

5 LEASE DESIGNATION AND LEASE NO
NMSF-078769

6 IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF COMPLETION
☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☒ X ☐ OTHER

2 NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

3 ADDRESS AND TELEPHONE NO

P.O. Box 640, Aztec, NM 87410 (505) 634-4208

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At Surface: 1090' FSL & 1145' FWL, sec 21, T31N, R5W

At top production interval reported below: 1724' FSL & 922' FWL, sec 21, T31N, R5W

At total depth: Same

15 DATE
SPUDDED
7-20-08

16 DATE T.D.
REACHED
9-1-08

17. DATE COMPLETED (READY TO PRODUCE)
5/15/10

14 PERMIT NO

DATE ISSUED

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6801' GR

7 UNIT AGREEMENT NAME

Rosa Unit

8 FARM OR LEASE NAME, WELL NO

Rosa Unit #187C

9. API WELL NO

30-039-30185 -00C3

10. FIELD AND POOL, OR WILDCAT
BLANCO MV

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA

SW/4 SW/4, Sec 21, T31N, R5W

12 COUNTY OR

Rio Arriba

13 STATE

New Mexico

19 ELEVATION CASINGHEAD

RCVD JUN 3 '10

20 TOTAL DEPTH, MD & TVD
8772' MD / 8722' TVD

21 PLUG BACK T.D., MD & TVD
8670' MD 8620' TVD

22 IF MULTICOMP.,
HOW MANY
3*

23 INTERVALS
DRILLED BY

ROTARY TOOLS
x OIL

CABLE TOOLS
CONS. DIV.

24. PRODUCING INTERVAL(S). OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

BLANCO MV 5950' - 6442'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Gamma Ray-Density-Neutron, Compensated Dual Neutron, Reservoir Tool, Cement Bond Log

25. WAS DIRECTIONAL SURVEY MADE
YES DIST. 3

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
20", X-52	94#	420'	26"	750 SX - SURFACE	
10-3/4", J-55	45.5#	4251'	14-3/4"	2660 SX - SURFACE	
5-1/2", N-80	17.0#	8232' 4702'	6-3/4"	408 SX - 4000' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7-5/8", 26.4#, J-55	3958'	6490'	850 sx TOC - 3958' (CBL)		2 3/8 4.7# N-80	8514'	none

31 PERFORATION RECORD (Interval, size, and number)

1st stage: (61, 0.34" holes)

2nd stage: (40, 0.34" holes)

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL
(MD)

AMOUNT AND KIND OF MATERIAL USED

6186'-6442' Frac with 77,960# 20/40 Ottawa sand

5950'-6140' Frac with 82,040# 20/40 Ottawa sand

33. PRODUCTION **MV, MC and DK gas commingled per DHC 3407 AZT

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - MCF
						ACCEPTED FOR RECORD	
						MAY 25 2010	
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL - GALLONS - API (CORR)
						FARMINGTON FIELD OFFICE	
						BY 550	

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

35 LIST OF ATTACHMENTS 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

TITLE Regulatory Specialist Sr.

DATE 5/24/10

NMOCD

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
						PICTURED CLIFFS	3728'	3681'
						LEWIS	4016'	3968'
						CLIFFHOUSE	5936'	5888'
						MENEFEE	5980'	5932'
						POINT LOOKOUT	6185'	6137'
						MANCOS	6687'	6639'
						DAKOTA	8413'	8364'

ROSA UNIT #187C

BLANCO MV/BASIN MANCOS/BASIN DK

Surface Location:

1090' FSL and 1145' FWL
SW/4 SW/4 Sec 21(M), T31N, R05W
Rio Arriba, NM

Bottom Hole Location:

1724' FSL and 922' FWL
NW/4 SW/4 Sec 21(L), T31N, R05W
Rio Arriba, NM

Elevation: 6801' GR
API # 30-039-30185

Spud: 7-20-08
Completed DK: 9-18-08
Completed MCS: 10-31-08
1st Delivery DK: 9-22-08
1st Delivery MCS: 11/13/08
Completed MV: 5/15/10
1st Delivered MV: 5/17/10

Top	MD Depth	TVD Depth
Pictured Cliffs	3728'	3681'
Lewis	4016'	3968'
Cliffhouse Ss.	5936'	5888'
Menefee	5980'	5932'
Point Lookout	6185'	6137'
Mancos	6687'	6639'
Dakota	8413'	8364'

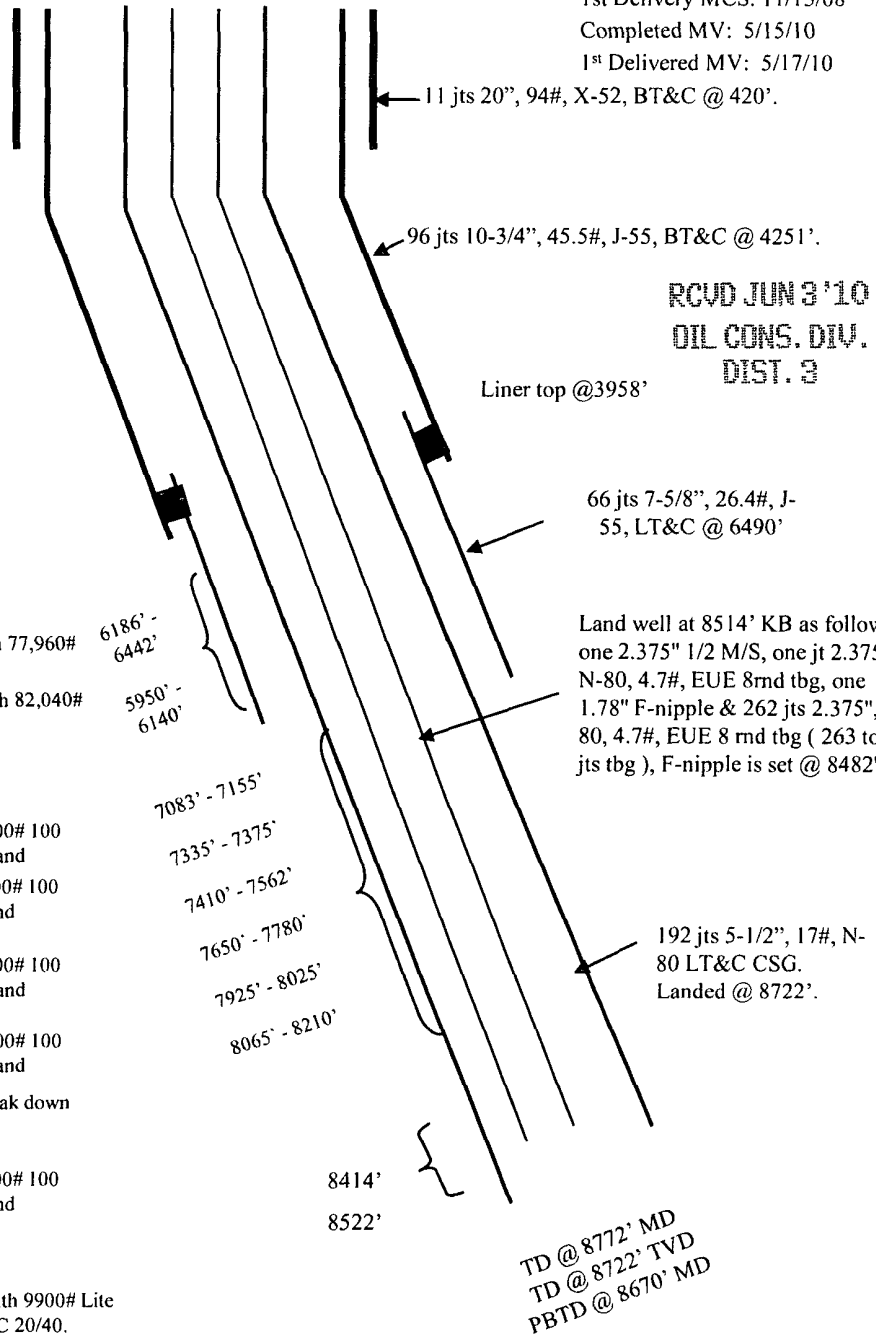
Mesa Verde

1st stage: 6186'-6442', (61, 0.34" holes) Frac with 77,960#
20/40 Ottawa sand
2nd stage: 5950'-6140', (40, 0.34" holes) Frac with 82,040#
20/40 Ottawa sand

MANCOS

6th stage: 7083'-7155', (33, 0.34" holes) Frac with 3200# 100
mesh white sand, follow with 133,176# 40/70 white sand
5th stage: 7335'-7375', (27, 0.34" holes) Frac with 7800# 100
mesh white sand, follow with 88,622# 40/70 white sand
4th stage: 7410'-7562', (36, 0.34" holes) Frac with 9500# 100
mesh white sand, follow with 125,159# 40/70 white sand
3rd stage: 7650'-7780', (36, 0.34" holes) Frac with 7500# 100
mesh white sand, follow with 119,279# 40/70 white sand
2nd stage: 7925'-8025', (33, 0.34" holes) unable to break down
No Frac
1st stage: 8065'-8210', (33, 0.34" holes) Frac with 7500# 100
mesh white sand, follow with 56,324# 40/70 white sand

Dakota: 8414' - 8522' (54, 0.37" holes) Frac with 9900# Lite
Prop 108 14/40, follow with 3080# Tempered LC 20/40.



Hole Size	Casing	Cement	Volume	Top of Cmt
26"	20", 94#	750 sxs	1207 cu. Ft.	Surface
14-3/4"	10-3/4", 45.5#	2660 sxs	5395 cu.ft.	Surface
9-7/8"	7-5/8", 26.4#	850 sxs	1068 cu.ft.	3958'
6-3/4"	5-1/2", 17#	408 sxs	956 cu.ft.	4000'