In Lieu of
Form 3160-4
(July 1992)

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-078890

6. IF INDIAN,ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
NOV 02 2010
Farmington Field Office
Bureau of Land Management

7. UNIT AGREEMENT NAME
Rosa Unit
NMNM- 78407X

1a. TYPE OF WELL: ☐ OIL WELL X GAS WELL DRY OTHER

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

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8.FARM OR LEASE NAME, WELL NO.
Rosa Unit #630

3. ADDRESS AND TELEPHONE NO.
P.O. Box 640, Aztec, NM 87410 (505) 634-4208

9. API WELL NO.
30-039-29508 - 0052

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:

10. FIELD AND POOL, OR WILDCAT
Basin Mancos

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
SEC 7 31 N 4W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
		Rio Arriba	New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
9/11/09	5/8/10	10/28/10	6461' GR	RCVD NOV 9 '10

20. TOTAL DEPTH,	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8466' MD	8435' MD	2		x	

OIL CONS. DIV.
DIST. 3

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Basin Mancos 7000' – 7890'

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Array Induction Compensated GR-Density-Neutron(2) and Wave Sonic / CBL

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
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)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375", 4.7#, J-55 & N-80, EUE 8rd	7753'	none

32.ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7000' – 7195'	Frac w/ 14,383# 100 mesh sand followed w/44,353# 30/50 mesh Ottawa followed w/97,056# 20/40 mesh Ottawa
7280' – 7435'	Frac with 18,032# 100 mesh samd followed w/38,063# 30/50 Ottawa followed w/88,847# 20/40 mesh Ottawa
7550' – 7665'	Frac w/15,400# 100 mesh sand followed w/32,100# 30/50 mesh Ottawa
7855' – 7890'	Frac w/5,700# 100 mesh sand followed w/85,400# Ottawa

Mancos 4th – 48, 0.34" holes

Mancos 3rd – 42, 0.34" holes

Mancos 2nd - 72, 0.34" holes

Mancos 1st – 24, 0.34" holes

33.PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
		flowing

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY

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 Larry Higgins NMOCD TITLE PERMIT SUPV DATE 11/2/10

ACCEPTED FOR RECORD
NOV 03 2010
FARMINGTON FIELD OFFICE
BY TL Salyers

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'	

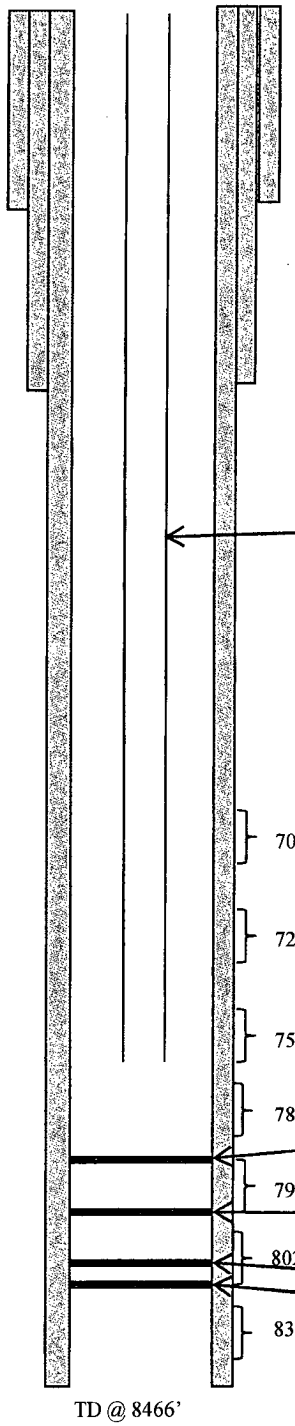
ROSA UNIT #630
BLANCO MV/BASIN MC/ BASIN DK

Spud Date 9/11/09
Completed 10/28/10

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

Tops	***Depth***
Lewis	3630'
Cliff House	5567'
Point Lookout	5780'
Mancos	6230'
Graneros	7894'
Dakota	8021'



RAN 8 JT'S, 10 3/4", 40.5#, J-55, ST&C CSG SET @ 354'

RAN 85 JTS, 7 5/8", 26.4#, j-55, LT&C, 8-rnd, CSG SET @ 3809', FC @ 3762'

RAN 212 JTS 4.5", P-110, 11.6#, LT&C 8rd, CSG SET @ 8462', FC @ 8435'

Tubing Landed @ 7753' as follows: ½ MS/exp chk, 1 jt 2-3/8" 4.7# J-55 eue 8rd tbg, 1.78" F-nipple @ 7721', 128 jts 2-3/8" 4.7# J-55 eue 8rd tbg & 114 jts 2-3/8" 4.7# N-80 eue 8rd tbg,

RCVD NOV 9 '10
OIL CONS. DIV.
DIST. 3

7000' – 7195'

7280' – 7435'

7550' – 7665'

7855' – 7890'

CIBP @ 7935'

7940' – 7990'

CIBP @ 8010'

8023' – 8126'

CIBP @ 8086'

CIBP @ 8250

8303' – 8307

TD @ 8466'
PBTD @ 8435'

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 sxs	522 cu.ft.	surface
9 7/8"	7 5/8", 26.4#	640 sxs	1592 cu.ft.	surface
6-3/4"	4 1/2", 11.6#	610 sxs	854 cu.ft.	3330' - CBL

LH: 10-29-10

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2. NAME OF OPERATOR
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At top production interval reported below : 2410' FNL & 2184 FEL, SEC 7, T31N, R4W
At total depth:

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA
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9/11/09	5/8/10	10/28/10	6461' GR	RCVD NOV 9 '10

20. TOTAL DEPTH,	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8466' MD	8435' MD	2		X	

OIL CONS. DIV.
DIST. 3

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Basin DAKOTA 7940' – 8307' NOTE Dakota is on TA status and isolated by bridge plug @ 7935'

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Array Induction Compensated GR-Density-Neutron(2) and Wave Sonic /CBL

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
10-3/4", J-55	40.5#	354'	14 3/4"	290 SX - SURFACE	
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29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

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SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375", 4.7#, J-55 & N-80, EUE 8rd	7753'	none

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 samd followed w/102,800# 40/70 Ottawa
8303' – 8307'	No frac

Dakota 3rd – 33, 0.34" holes

Dakota 2nd - 57, 0.34" holes

Dakota 1st – 9, 0.34" holes

33. PRODUCTION Dakota temporarily shut in at this time. Isolated by BP @ 7935'

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI)
		Shut in

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO

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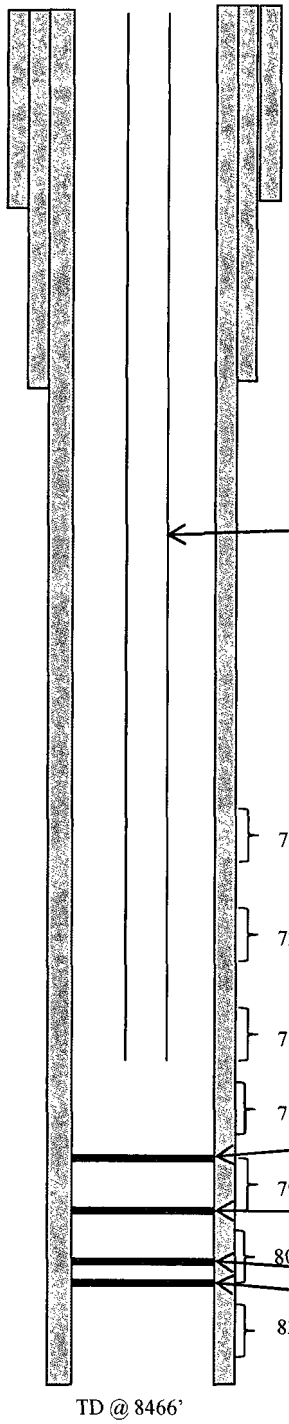

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