Sec : 34 Twp : 32N Rng : 06W Section Type : NORMAL

Federal owned U U A  G H 40.00 Federal owned U A  Federal owned U A  Federal owned U A  Federal owned U A  Federal owned U	N 40.00 Federal owned U	U
al owned	40.00	Federal owned
al owned		М 40.00
al owned	Federal owned U A A A C A	Fee owned U
al owned	40.00	L 40.00
al owned	Federal owned	Fee owned U
owned	F 40.00	E 40.00
	Federal owned	Fee owned U
B A 40.00	40.00	D 40.00

Page: 1 Document Name: untitled

OG6IWCM INQUIRE WELL COMPLETIONS ONGARD

CMD:

08/09/04 09:39:52 OGOMES -TPVY

API Well No: 30 39 27625 Eff Date : 05-22-2004 WC Status : N

Pool Idn 72319 BLANCO-MESAVERDE (PRORATED GAS)

OGRID Idn 120782 WILLIAMS PRODUCTION COMPANY, LLC

Prop Idn 17212 ROSA UNIT COM

Well No 129B

GL Elevation: 6360

U/L Sec Township Range North/South East/West Prop/Act (P/A)

FTG 1290 F S FTG 400 F W

Ч

Lot Identifier:

B.H. Locn

34

32N

M90

Dedicated Acre: 320.00

Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF01 PF07 PF02 PF08 PF09 PF03 EXIT PF04 GoTo PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF05 PF06

to modify or PF keys to pF03 EXIT PF04 GoToPF09 PF10 LAND	34 32N 06W 40.00 34 32N 06W 40.00	ONGARD C102-DEDICATE ACREAGE  27625
scroll PF05 PF11 NX		000 GAS) Simult Revise
PF06 NXTSEC PF12	# # # # # # # # # # # # # # # # # # #	08/09/04 09:39:57 OGOMES -TPVY Page No : 1  Well No : 129B aneous Dedication: d C102? (Y/N) :

FORM 3160-3 (December 1990)

SUBMIT	IN'	TRIPLICAT	E*
(0	ther	instructions	on

Form approved.

	Expi	es Dec	embé:	31	199	1
ASE	DESIGN	ATION	AND:	ERL	AL N	<b>VO</b> .

	UNITED STATE	S	reverse side)	Expites December 31, 1991
DEPAR	RTMENT OF THE	INTERIOR		5. LEASE DESIGNATION AND SERIAL NO.
	EAU OF LAND MANA			2018 F-078772 DM 2-12
			· · · · · · · · · · · · · · · · · · ·	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
APPLICATION FO	R PERMIT TO DRI	LL, DEEPEN,	OR PLUG BACK	
a TYPE OF WORK DRIL	LX DEEPEN	1		7. UNIT A OR PENENT NAME OIT, NIV
b. TYPE OF WELL				Rosa Unit Com
<i></i>				8. FARM OR LEASE NAME, WELL NO.
OIL GA WELL WEL	AS X OTHER	SINGLE X	MULTIPLE . Zone	1 11 120D
NAME OF OPERATOR		<del> </del>	300000000	9. API WELL NO.
Williams Pi	roduction Company, .	LLC	16 75 CH CO CO C/ 20 3	30 039 27625
. ADDRESS OF OPERATOR		A)		10. FIELD AND POOL OR WILDCAT
P.O. Box 3	16 - Ignacio, Colorad	lo 81137 - Phone	e (970 <b>)5</b> 6353308 🕏	Blanco Mesaverde
I. LOCATION OF WELL (Report lo	•	with any State requiremen	nts.*)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	11. SEC., T., R., M., OR BLK.
At Surface 1660' FSL o	& 1875' FWL			AND SURVEY OR AREA
At proposed Prod. Zone		P. C.	0-1.0	Sec. 34, T32N, R6W
	& 400' FWL	K.C.	ر المارين	<u> </u>
4. DISTANCE IN MILES AND DIRECT		OST OFFICE*		12. COUNTY OR PARISH 13. STATE
	NE of Blanco, NM	1	30// n C 3 //	Rio Arriba NM
<ol> <li>DISTANCE FROM PROPOSED® LOC OR LEASE LINE, FT. (Also to nearest</li> </ol>		16. NO. OF ACRES IN LE	ASE SULLEY	17. NO. OF ACRES ASSIGNED TO THIS WELL
400'		25	561.86	320 - W/2
8. DISTANCE FROM PROPOSED LOC.		19. PROPOSED DEPTH		20. ROTARY OR CABLE TOOLS
DRILLING, COMPLETED, OR APPL	JED FOR ON THIS LEASE, FT.		1751	D-4
25'		04	175'	Rotary
II. ELEVATIONS (Show whether DF, RT. 6360' GR	, GR, etc.)			22. APPROX. DATE WORK WILL START*  April 30, 2004
	DDODOCED CACIN	G AND CEMENTIN	IG PROGRAM	210111 30, 2004
	PROPUSED CASES			
23.		WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	SIZE OF CASING 9-5/8"	weight/foot 36.0#	+/- 250'	~205 cu.ft. Type III with 2% CaCl ,
23. SIZE OF HOLE	SIZE OF CASING		+/- 250' +/- 4004'	

bι described location in accordance with the attached drilling and surface use plans.

This location has been archaeologically surveyed by Independent Contract Archaeology. Copies of their report have been submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-ways. This well will require no nev access road (see Pipeline & Well Plats #3 & #4). The well will share a location with the RU #129, RU#129A #RU#358 This location is accessed by an existing road that crosses the S/2 sec 34, the S/2 sec 35, SW and N/2 sec 36, T31N, R6W, NE qtr sec 31 and into the NW qtr of sec 32, T32N, R5W where it joins "Rosa Road.

signed Lany He	TITLE Larry Higgins, Drlg COM DATE 2/20/	/2004
(This space for Federal or State office use)		
( i his space for recertal or State office use)		
PERMIT NO.	APPROVAL DATE	
PERMIT NO.  Application approval does not warrant or certify that	APPROVAL DATE  at the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations the	ereon.
PERMIT NO.	at the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations the	./
PERMIT NO.  Application approval does not warrant or certify that		./

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CTOO FOR WITH ATTACHED

"GENERAL BEOLIFIEMENTS" HOLD C104 FOR DRILLING OPER

This action is subject to technical and procedural review pursuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe. NM 87504-2088

30-039-27625

320.0 Acres - (W/2)

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back

Pool Name

BLANCO MESAVERDE

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

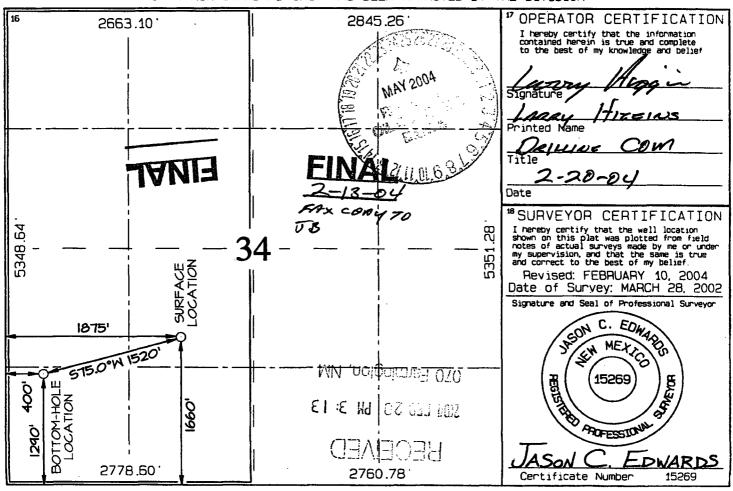
# WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

72319

Property	Code	1212	Property Name Well Number ROSA UNIT COM 129B									
'0GRID 1 12078	No.	*Operator Name *Elevation WILLIAMS PRODUCTION COMPANY 5360										
<sup>10</sup> Surface Location												
UL or lot no. K	Section 34	Township 32N	Range 6W	Lot Idn	Feet from the	North/South line SOUTH	Feet from the 1875	East/West line WEST	County RIO ARRIBA			
		11 5	Bottom	Hole L	ocation I	f Different	From Surf	ace				
UL or lot no.	Section 34	32N	Range 6W	Lot Idn	Feet from the 1290	Nonth/South line SOUTH	Feet from the 400	East/Hest line WEST	East/West line County			
12 Dedicated Acres	·				13 Joint or Infill	<sup>14</sup> Consulidation Code	<sup>15</sup> Order No.	L	,			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





# **WILLIAMS PRODUCTION COMPANY**

# Operations Plan

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE:

2/20/2004

FIELD:

Blanco MV

**WELL NAME:** 

Rosa Unit #129B

**SURFACE:** 

FED

**BH LOCATION:** 

SWSW Sec 34-32N-6W

MINERALS:

FED

**SURF. LOCATION:** 

NESW Sec 34-32N-6W

**ELEVATION:** 

6,360' GR

Rio Arriba, NM

LEASE#

SF-078772

MEASURED DEPTH: 6,475'

I. GEOLOGY: Surface formation - San Jose

# A. FORMATION TOPS: (KB)

Name	TVD	MD	Name	TVD	MD
Ojo Alamo	2,329	2,582	Cliff House	5,374	5,775
Kirtland	2,439	2,717	Menefee	5,424	5,825
Fruitland	2,864	3,226	Point Lookout	5,619	6,020
Picture Cliffs	3,129	3,517	Mancos	5,989	6,390
Lewis	3,454	3,853	TD	6,074	6,475

- B. MUD LOGGING PROGRAM: None
- C. LOGGING PROGRAM: Cased Hole Logs
- D. <u>NATURAL GAUGES:</u> Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

### II. DRILLING

- A. MUD PROGRAM: Clear water with benex to 7" casing point. Convert to a LSND mud to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses. Use air w/Air Hammer from 7 in. csg.to TD.
- B. <u>BOP TESTING</u>: While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the rams will be tested to 1500 psi. The surface and intermediate casing strings will be pressure tested to 1500 psi in conjunction with the BOP test before drilling out cement. The drum brakes will be inspected and tested each tour. All tests, inspections and SPR's will be recorded in the tour book as to time and results.

# III. MATERIALS

#### A. CASING PROGRAM:

CASING TYPE	<b>HOLE SIZE</b>	DEPTH (MD)	<b>CASING SIZE</b>	WT. & GRADE
Surface	12-1/4"	+/- 250' .	9-5/8"	36# K-55
Intermediate	8-3/4"	+/- 4004'	7"	20# K-55
Prod. Liner	6-1/4"	+/- 3904'-6475'	4-1/2"	10.5# K-55

#### B. FLOAT EQUIPMENT:

- 1. <u>SURFACE CASING:</u> 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (3) joints of Surface Casing.
- 2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install one Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (4) joints to the surface casing. Total centralizers = (26) regular and (3) turbulent.
- 3. <u>PRODUCTION CASING:</u> 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20" bottom joint. Place marker joint above 5630'. Place one positive standoff turbolizer every other joint. Total turbolizers is 34.

### C. CEMENTING:

## (Note: Volumes may be adjusted onsite due to actual conditions)

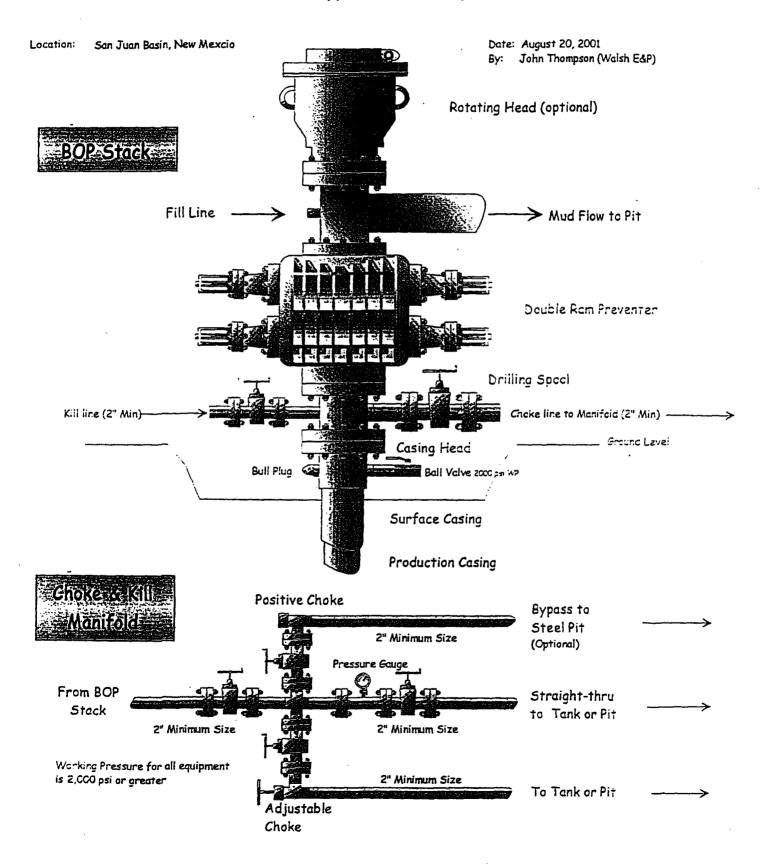
- 1. SURFACE: Slurry: 150sx (205 cu.ft.) of "Type III" + 2% CaCl<sub>2</sub> + 1/4 # of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). The 100% excess should circulate cement to the surface. WOC 12 hours. Test csg to 1500psi.
- INTERMEDIATE: Lead 510 sx (1063) cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl<sub>2</sub> and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail 50 sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl<sub>2</sub> (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use 100% excess in Lead Slurry to circulate to surface. No excess in Tail Slurry. Total volume = 1133 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
- 3. PRODUCTION LINER: 10 bbl Gelled Water space. Lead: 50sx (130ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, ¼ #/sk cello flake. (Yield = 2.59 cu.ft./sk, Weight = 11.6 #/gal.). Tail: 90 sx (187 ft³) of Premium Light HS + 1% FL-52 + .2% CD-32, 0.1% R-3, 3 #/sk CSE, ¼ #/sk cello flake and 4% Phenoseal. (Yield = 2.15 ft³/sk, Weight = 12.3 #/gal.). Displace cement at a minimum of 8 BPM. The 20% excess in lead and tail should cover 100 ft into intermediate casing. Total volume 317 ft³. WOC 12 hours

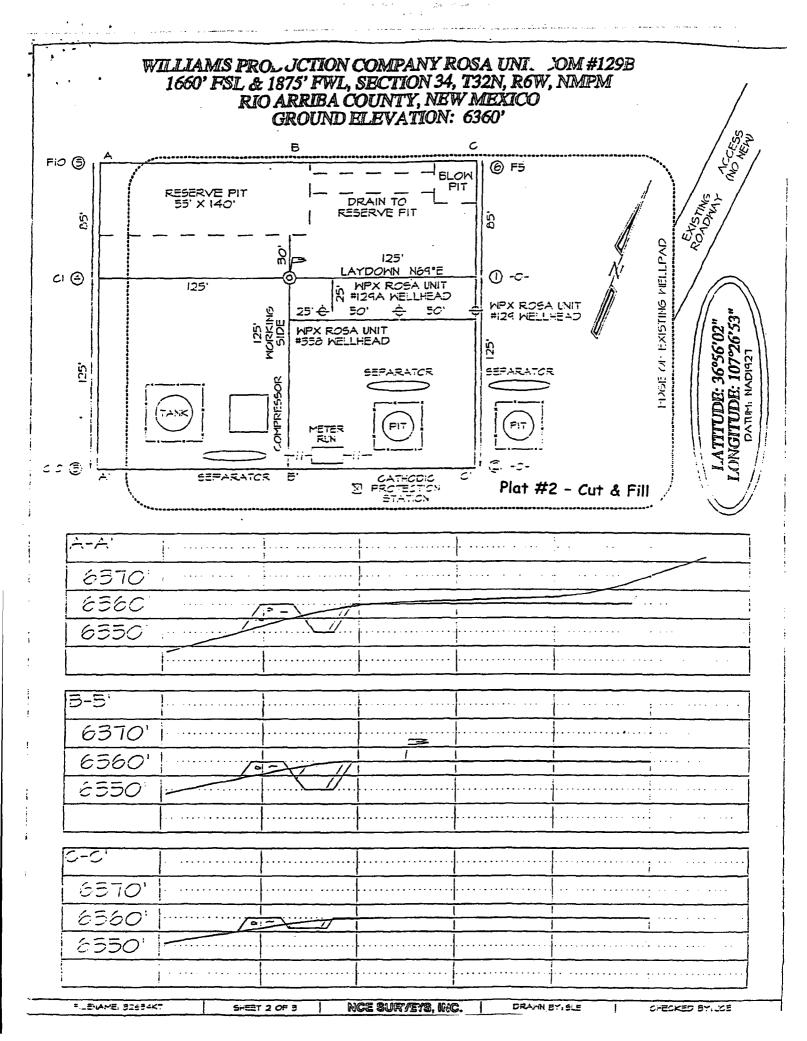
# Williams Production Company, LLC

# Well Control Equipment Schematic for 2M Service

Attachment to Drilling Technical Program

# Typical BOP setup





Page: 1 Document Name: untitled

CMD : ONGARD

OG6 I WCM INQUIRE WELL COMPLETIONS 08/09/04 09:39:10 OGOMES -TPVY

API Well No : 30 39 26304 Eff Date : 11-03-2000 WC Status : A

Pool Idn 72319 BLANCO-MESAVERDE (PRORATED GAS)

OGRID Idn 120782 WILLIAMS PRODUCTION COMPANY, LLC

Prop Idn 17212 ROSA UNIT COM

Well No 129

GL Elevation: 6357

U/L Sec Township Range North/South East/West Prop/Act (P/A)

B.H. Locn 34 32N 06W FTG 1321 F N FTG 863 F W Ч

Lot Identifier:

Dedicated Acre: 320.00

Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF07 PF01 PF02 PF08 PF03 PF09 EXIT PF04 GoTo PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF05 PF06

Date: 8/9/2004 Time: 09:39:50 AM

PF01 PF07 OG6ACRE CMB : Spacing Unit Sect/Twp/Rng Prop Idn Dedicated Land: Pool Idn API Well BKWD HELP E0005: Enter data to modify or No PF02 PF08 FWD ω 0 34 32N 06W Acreage 72319 BLANCO-MESAVERDE (PRORATED GAS) ល 53669 OCD Order : 17212 ROSA UNIT COM 39 26304 Eff Date : 10-28-2000 Base U/L Sec PF03 PF09 Z L Z H H C C102-DEDICATE ACREAGE 34 34 34 34 34 34 EXIT ONGARD  $\mathbf{Twp}$ 32N 32N 32N 32N 32N 32N •• 06W 06W 06W PF keys to 06W 06W 06W 06W 06W Rng Acreage PF04 GoTo PF10 LAND 320.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 scroll Revised C102? (Y/N) Simultaneous Dedication: L/W PF05 PF11 NXTSEC **44444** Z Z Ownership FD FD 日日 Η̈́D Ħ 08/09/04 09:39:19 PF12 PF06 Well No: Page No : OGOMES -TPVY Lot Idn RECONF CONFIRM 129

OG6IPRD OGRID Identifier: 120782 WILLIAMS PRODUCTION COMPANY, LLC CMD : INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/09/04 09:39:28 Page No: 1 OGOMES -TPVY

Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)

API Well No : 30 39 26304 Report Period - From : 01 2003 To : 06 2004

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PF12	PF06 CONFIRM	

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30 OG6IPRD API Well No API Well No Pool Identifier OGRID Identifier: 120782 WILLIAMS PRODUCTION COMPANY, LLC CMD : 39 26304 ROSA UNIT COM 26304 26304 ROSA UNIT ROSA UNIT Property Name 30 72319 BLANCO-MESAVERDE (PRORATED GAS) 39 26304 Report Period - From : 01 2003 To : 06 2004 COM COM INQUIRE PRODUCTION BY POOL/WELL ONGARD 04 03 05 04 AA/WW Prodn. 04 04 Days 30 31 **3** Prod 4360 4810 5143 Gas Production Volumes 08/09/04 09:39:31 OGOMES -TPVY Page No: 3 Water Stat ыйы

HELP E0049: User may continue scrolling. Reporting Period Total (Gas, Oil) PF03 EXIT PF04 GoTo 86192 PF05 PF06 CONFIRM 160

PF01

PF07 BKWD

PF08 FWD

PF09

PF10 NXTPOOL PF11 NXTOGD

PF12

#### Distriat I

PO Box 1980, Hobbs, NM 88241-1980 District II

811 South First Artesia, NM 88210

District III

# State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco

Form C-101

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

1000 Rio Brazos I	Rd., Aztec, N	IM 87410			Santa Fe, NM 8	17505					Fee Lease - 5 Copies	
District IV 204) South Pacae	co. Santa Fe.	NM 8750	05						ŗ	7	AMENDED REPORT	
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APPLICA	ATION	FOR	PERMIT			TER, DE	EPEN,	PLUGB.	ACK,	OR A	DD A ZONE	
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17055						Location	J. C.	Direction	~6		123	
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8-3/4"		7" K-		20#		4085' KB		545 sx (1227c				
6-1/4"		4-1/2		10.5	#	3985' - 6						
23 Describe the prop	osed program.	If this app	dication is to DEEF	EN or PLUG BA	ACK give the data on the	he present productive	zone and pro	posed new product	ive zone.	Describe the b	lowout prevention	
program, if any. U				oronoses to	drill a directions	al well with an	12-1/4" ha	le with water	2 hens	v to anno	ov 500' KB and	
set 9-5/8" 36#	K55 surfa	ice casi	ng, cement to	surface wit	h 255 sx of Clas	s Type III, 2%	CaCl2 (3	52 cu ft). Th	en drill (	8-3/4" hole	e to 4085' KB, set	
7' K-55 casing	g. Cemen	t Lead v	vith 520 ax (10	088 cu ft) of	Premium Lite P o 6059'KB, set 4	oz/Type III, 35	i/65 with 8	% gel, 1% C	aC12; C	ement Ta	il with 220 sx (309	
Poz/Class H.	50/50, cer	nent Tai	il with 240 sx	(343 cu ft) o	of Poz/Class H.	50/50 Run ca	ased hole	log (TMDL).	While o	drill pipe in	n use run not less	
than one BOF	test per c	iay. Set	t 9-5/8" 36# K	-55 producti	ion casing from	500'KB to sur	face, set	7", 20# K-55	casing f	from 500'l	KB to 4085"KB.	
											sed upon caliper are test 7" & 4-1/2"	
casing to 330	0# for 15 n	ninutes.	Run 2-3/8",	2.9#, J-55 E	UE tubing with	a SN (1.91" ID	) on top o	f bottom joint	Land	tubing 25	above bottom	
					n perforated cas						est. Surface '. Kirtland-2457'.	
					louse 5352', Me							
23 I hereby certify my knowledge an		ormation g	given above is tru	e and complet	e to the best of	O	IL CON	NSERYA'	ION	DIVIS	ION	
Signature:	iki benet.			;•		pproved by:	35				1	
Printed name:	Steve Nelso	n			T	Title: SUPERVISOR DISTRICT # 3						
Title: Agent,	Neison Con	sulting, l	Inc.		A	pproval Date:	AN 1				N 1 4 2001	
Date: Jan	uary 7, 200	0	Phone:	505-327-63		onditions of Appr	oval :	) C1(4 F(				
L							1.Ense	JUNE IN	<i>7</i> 0	· '		

D06

District I PO Box 1980, Hobbs, NM 88241-1980

Oistrict II Pr Orawer OD, Artesia, NM 88211-0719

rict III u Rio Brazos Rd., Aztec, NM 87410

Distract IV PO Box 2088, Santa Fe, NM 87504~2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

"Pool Code	'Pool Name				
72319	Blanco - Mesa Verde				
Property Name					
RC	129				
*Op	perator Name	*Elevation			
WILLIAMS PRODUCTION COMPANY 635					
	*Pr RC *Or	*Property Name ROSA UNIT *Operator Name			

						Tocation			
UL or lat no.	Section	Township	Range	Let Idn	Fast from the	North/South line	Feet from the	East/Nest line	County
K	34	32N	6W		1700	SOUTH	2010	WEST	RIO
				<u> </u>					ARRIBA
		11 E	Bottom	Hole L	_ocation It	f Different	From Surt	face	
U. or lot no.	Section	Township	Renge	Let Joh	Fast from the	North/South line	Feet from the	East/West line	RIO
EA	34	NSE.	6₩	l	-1750	NORTH	1050	WEST	
13.2	L			<del></del>	1				ARRIBA
12 Equipment Acres	/	Solnt or In	1777 L. Cours	wildation Code	o Man No.				*
1 320 W	9	l T	- 1	71					
	<i>k</i>	<u> </u>							

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

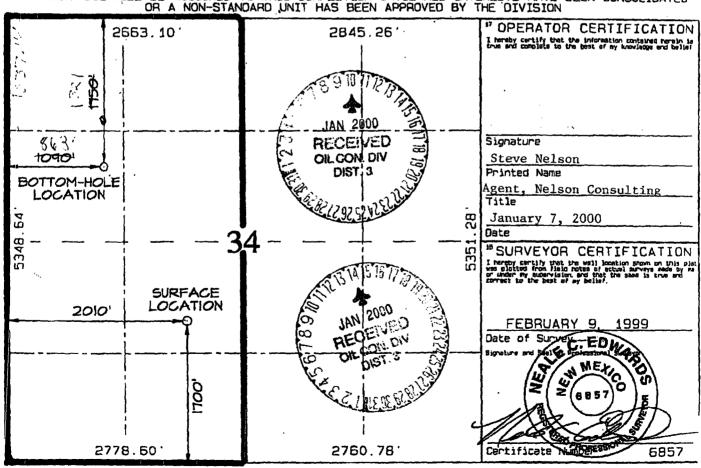
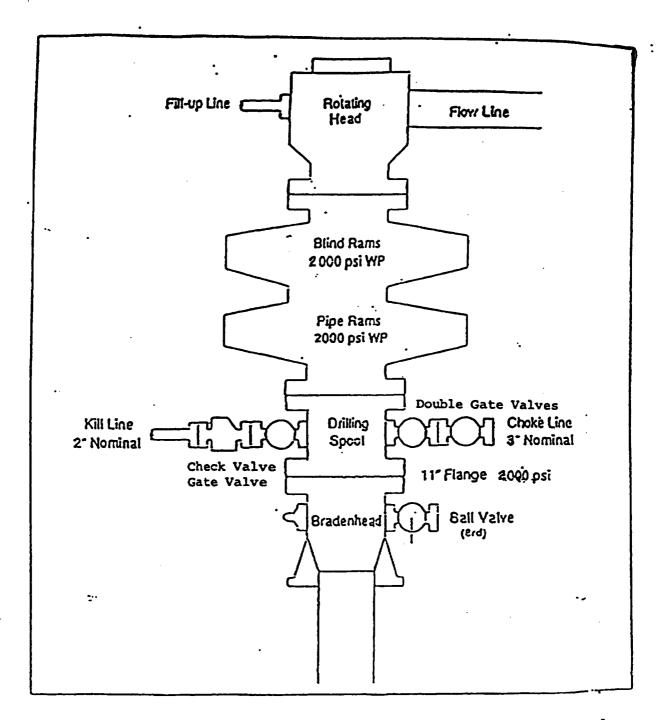


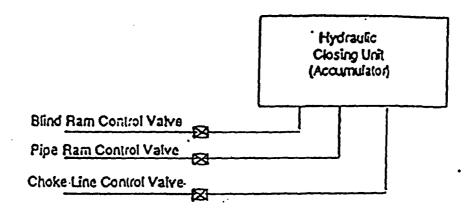
EXHIBIT 1

# BOR STACK ARRANGEMENT

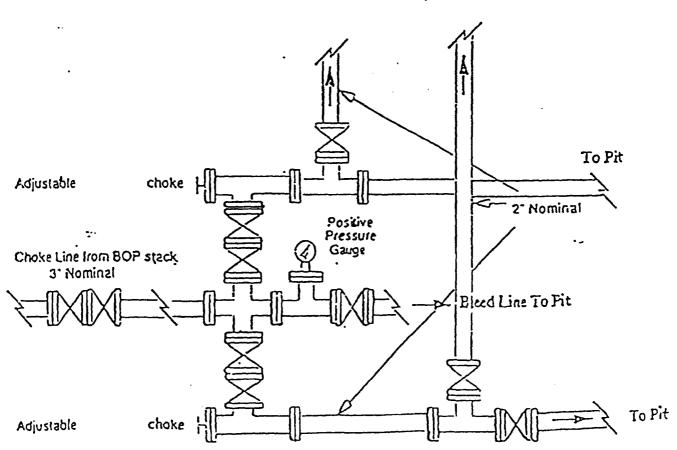


All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with change overs for each tool joint in the string, and choke manifold all rated to 2000 psi.

# Choke Manifold & Accumulator Schematic



# To Mud Tanks



Submit 3 Copies To Appropriate District Office DISTRICT I

# State of New Mexico

Form C-103

#### Revised 1-1-89 Energy, Minerals and Natural Resources Department WELL API NO. OIL CONSERVATION DIVISION P.O. Box 1980, Hobbs, NM 88240 2040 South Pache 30-039-26304 Santa Fe, NM Indicate Type of Lease DISTRICT II □ FEE 811 South First, Artesia NM 88210 STATE State Oil & Gas Lease No. **DISTRICT III** 1000 Rio Brazos Rd., Aztec, NM 87410 120782 Lease Name or Unit Agreement SUNDRY NOTICES AND REPORTS ON Name: (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM SUCH) FOR SUCH **ROSA UNIT PROPOSALS** Type of Well: Oil Well Gas Well Other 2. Name of Operator Well No. WILLIAMS PRODUCTION COMPANY 129

3. Address of Operator 9. Pool name or Wildcat P O BOX 3102, MS 37-2, TULSA, OK 74101 **BLANCO MV** Well Location (Surface)

Unit letter K: 1700 feet from the SOUTH line & 2010 feet from the WEST line Sec 34-32N-06W RIO ARRIBA, NM

10. Elevation (Show whether DF, RKB, RT, GR, etc. 6357' GR

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL PLUG AND ABANDON REMEDIAL WORK ALTERING CASING WORK TEMPORARILY ABANDON **CHANGE PLANS** COMMENCE DRILLING OPNS. Spud PLUG AND **ABANDONMENT** CASING TEST AND CEMENT JOB PULL OR ALTER CASING OTHER: OTHER:

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

This well was spud @ 0430 hrs 10/01/00

DEPUTY OIL & GAS INSPECTOR, DIST. #5	OCT -5 2000
Telephon	e No: <u>(918) 573-6254</u>
TITLE: PRODUCTION ANYALST DAT	TE: October 2, 2000
complete to the best of my knowledge and belief.	
	Telephon  Offety Oil & GAS INSPECTOR, DIST.

Submit 3 Copies

# State of New Mexico

Form C-103

Energy, Minerals and Natural Resources Department To Appropriate Revised 1-1-89 District Office WELL API NO. DISTRICT I OIL CONSERVATION DIVISION P.O. Box 1980, Hobbs, NM 88240 2040 South Pacheco 30-039-26304 Santa Fe, NM 80505 JUL 2000 Indicate Type of Lease **DISTRICT II** 811 South First, Artesia NM 88210 STATE ☐ FEE J. Feb. 1987 A 18 25 State Oil & Gas Lease No. DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 120782 Lease Name or Unit Agreement SUNDRY NOTICES AND REPORTS ON WELL Name: (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH **ROSA UNIT PROPOSALS** 1. Type of Weil: Other Oil Well Gas Well 2. Name of Operator Well No. WILLIAMS PRODUCTION COMPANY 3. Address of Operator 9. Pool name or Wildcat POBOX 3102, MS 37-2, TULSA, OK 74101 **BLANCO MV** 4. Well Location (Surface) Unit letter K: 1700 feet from the SOUTH line & 2010 feet from the WEST line Sec 34-32N-06W RIO ARRIBA, NM 10. Elevation (Show whether DF, RKB, RT, GR, etc.

> Check Appropriate Box to Indicate Nature of Notice, Report or Other Data SUBSEQUENT REPORT OF:

6357' GR

NOTICE OF INTENTION TO: PERFORM REMEDIAL

PLUG AND ABANDON REMEDIAL WORK

**ALTERING CASING** 

WORK

**CHANGE PLANS** TEMPORARILY ABANDON

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

**PULL OR ALTER CASING** 

OTHER:

CASING TEST AND CEMENT JOB OTHER: CHANGE WELL NAME

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

Williams Production Company proposes to change the lease name on the above well from the Rosa Unit #129 to the Rosa Unit Com #129 / 72 / 2

I hereby certify that the information above is true and complete to	the best of my knowledge and belief.	
SIGNATURE TRACY BOSS		ATE:July 13, 2000
Type or print name TRACY ROSS	Telepho	one No: <u>(918) 573-6254</u>
(This space for State use)		
APPROVED Original Signed by STEVEN N. HAYDEN	DEPUTY OIL & GAS INSPECTOR, DIST.	JUL 21 2000
BYTITL		DATE
Conditions of approval, if any:		

Surface Location: 1700' FSL and 2010' FWL NE/4 SW/4 Sec 34(K), T32N, R6W Rio Arriba, NM

Bottom Hole Location: 1389' FSL and 863' FWL SW/4 NW/4 Sec 34(E), 32N, 6W Rio Arriba, NM

MAD

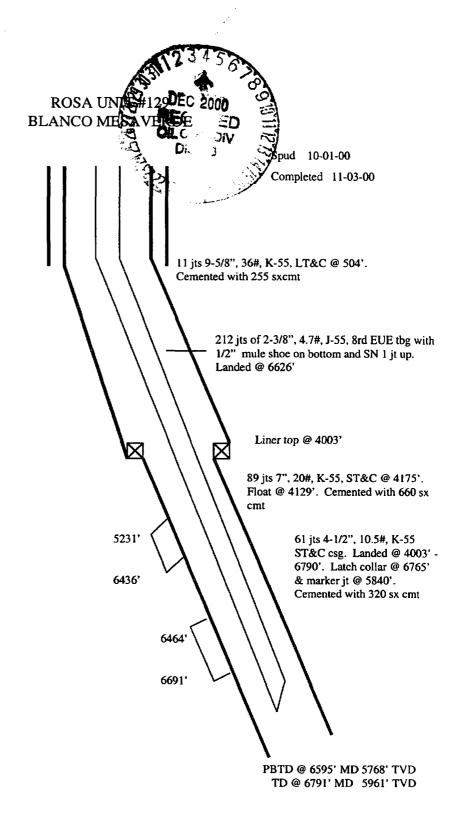
Elevation: 6357' GR

<u>Top</u>	<u>Depth</u>
Pictured Cliffs	3859'
Lew:s	4328'
Cliffhouse Ss.	6180'
Menefee	6227'
Point Lookout	6453'

# Stimulation:

<u>CH/Menefee:</u> Frac with 80,000# 20/40 sand in 1961 bbl s slick water. To:al 28 (0.38") holes

Point Lookout: Frac with 80,000# 20/40 sand in 1956 bbls slick water. To:al 20 (0.38") holes



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	36# K-55	255 sx	352 cu. ft.	Surface
8-3/4"	20# K-55	660 sx	1126 cu. ft.	Surface
6-1/4"	10.5# K-55	320 sx	458 cu. ft.	4003'

Title Production Analyst

Date 11/29/00

TRACY ROSS

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Printed

Signature Macy Ross

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

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T. Salt			T. Strawn				2364' TVD		T. Penn. "B" T. Penn. "C"
B. Salt			T. Atoka				MD, 3131' TV	D	T. Penn. "C"
T. Yates		<del></del>	T. Miss		s: 4328' N				T. Penn. "D"
		·——	T. Devonian				1D, 5355' TVD	)	T. Leadville
T. Queen_		<del></del>	T. Silurian				, 5510' TVD		T. Madison
T. Graybu	g		T. Montoya				' MD, 5626' T	۷D	T. Elbert
			T. Simpson	T. Man	cos:				T. McCracken
T. Glorieta		·	T. McKee	T. Gallı	ip				T. Ignacio Otzte
T. Paddoci	K		T. Ellenburger	Base G	reenhorn_				T. Granite
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T. Cisco	(Bough	C)	T	1. Perm	nian		<del></del>		Т
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No 2 f	rom		to	No	4 from	n			to
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			IMPORTANT	WATE	R SAN	NDS	•		
Include	data on	rate of wat	er inflow and elevation to which wa	iter rose i	n hole				
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			to						
No 2 f	rom		. ,				feet		
- NO. 3. 1	rom		to				.ieet		
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· ·			LITHOLOGY RECORD					eces	
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NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GASWEL

Operator				<u> </u>		Lease or Uni	Nome	183	HECEIVE	<del></del>
Operator		illiams Prod				Lease or Uni		Ross Unit	OIL CON. D	N []   1/4
Test Type				Test Date			Well Number	S.	Dia	
<u>X</u> Ini	itial At	nnual	Special		11/5/2000			Unit	129	(1)
Completion I	Date	Total Depth		Plug Back Tl	D .	Elevation		Unit	46 12 07 6P	Rng
	/2000		91'	_	595°	63	357'	K	34 321	_
Casing Size		Weight	d	Set At	Perforations:	·		County		• • • • • • • • • • • • • • • • • • • •
	1/2''	10.5#		6791'	5231' - 6436	;			Rio Arriba	
Tubing Size	, =	Weight	d	Set At	Perforations:	-		Pool	ALIO ALITOM	
	3/8''	4.7#		6626'	6464' - 6691	,		1 001	Blanco MV	
		head-GG or G	O Multiple	1 0020	Packer Set At		<del></del>	Formation	Dianco MY	
Type wen -	Omgre-Druden	incad-00 or 0	O Manapic		acker bet At			Officiation	MV	
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	bing	Reservoir 1e	np. or	Ivican Amina	remp. or		Barometer i	riessuie - ra	Connection	
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NO	Size		<del></del>	p.s.i.q	ļ	p.s.i.q		p.s.i.q	ļ	Flow
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	<b>_</b>					317	59	920		0.5 hr
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3						320	65	867		1.5 hrs
4	<u> </u>	·				313	66	846		2.0 hrs
5	<u> </u>					305	66	820		3.0 hrs
				RATEO	F FLOW CAL	CULATION				
							Flow Temp.	Gravity	Super	Rate of
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3										
4	1	-								
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2		† <del></del>		1	1	· · · ·			1 112	
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Approved by	y Commussion		Conducted B	-		i '	£	Checked By:		
L				Matt Crane		1 I rac	y Ross	L	David Spitz	

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# Casta of Mania

To Appropriate		itate of New Mexico s and Natural Resources Depa	artment		Form C-103 Revised 1-1-89
District Office	Energy, millionan	and a rational Model Dobe			
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONS	ERVATION DIVIS	SION	WE	LL API NO.
P.O. BOX 1980, F1000S, NWI 88240		2040 South Pacheco Santa Fe, NM 87505			30-039-26304
DISTRICT II				5.	Indicate Type of Lease
811 South First, Artesia NM 88210				ŀ	STATE FEE
DISTRICT III				6.	State Oil & Gas Lease No.
1000 Rio Brazos Rd., Aztec, NM 87	410			<u> </u>	120782
SUNDRY N	OTICES AND REPOR	RTS ON WELLS		7.	Lease Name or Unit Agreement
(DO NOT USE THIS FORM FOR				{	Name:
DIFFERENT RESERVOIR. U	ISE "APPLICATION FOR PE PROPOSALS	ERMIT" (FORM C-101) FOR S	UCH		ROSA UNIT
1. Type of Well:	CTROUGHT		<i></i>		
Oil Well	Gas Well	é Othèr A			
2. Name of Operator				8.	Well No.
1		OCT 2000	100 M	l	
WILLIAMS PRODUCTION CO	MPANY			<u> </u>	129
3. Address of Operator		E COLUMN		9.	Pool name or Wildcat
P O BOX 3102, MS 37-2, TULS	A, OK 74101	C			BLANCO MV
4. Well Location (Surface)		Same of the	33/		
Unit letter K: 1700 feet	t from the SOUTH line &	2010 feet from the WES	1 line Se	c 34-	32N-06W RIO ARRIBA, NM
	10. Elevation (Snow	whether DF, RKB, RT, GR, etc 6357' GR	: 		
Che	eck Appropriate Box to	o Indicate Nature of Not	ica Dano	rt o	r Other Data
NOTICE OF INT			-		EPORT OF:
	PLUG AND ABANDON	REMEDIAL WORK	EQUENT	ı Kı	ALTERING CASING
TEMBODADII VARANDON	CUANGE DI ANG	COMMENCE DELL I ING	ODNIC		DI LIC AND

TEMPORARILY ABANDON PLUG AND COMMENCE DRILLING OPNS. **ABANDONMENT PULL OR ALTER CASING** CASING TEST AND CEMENT JOB X OTHER: OTHER: 12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. 09-30-2000 Rig down, move, and rig up. Drilling rat and mouse holes at report time 10-01-2000 Finish drilling rat and mouse holes. Drilled an 8-3/4" pilot hole to 135'. Spudded 12-1/4" surface hole at 0430 hrs 10/1/00. Drilling ahead Continued on back I hereby certify that the information above is true and complete to the best of my knowledge and belief. TITLE: Production Analyst DATE: October 17, 2000 TRACY ROSS Telephone No: (918) 573-6254 Type or print name\_ (This space for State use) OCT 2.3 mag DEPUTY OIL & GAS (SEE TO 1 TOTAL AND TITLE DATE Conditions of approval, if any:

10-02-2000 TD surface hole with bit #2 (12-1/4", RR) at 520'. Circulate and TOH. Ran 11 joints (492.28') of 9-5/8" 36#, K-55, LT&C casing and set at 504' KB. BJ cemented with 255 sx (352 cu.ft.) of Type III RMS with 2% CaCl₂ and 1/4# cello-flake/sk. Displaced plug with 38 bbls of water. Plug down at 0115 hrs 10/2/00. Circulated out 5 bbls of cement. WOC. Nipple up BOP'S

10-03-2000 Nipple up BOP'S and pressure test to 1500 psi – held OK. TIH with bit #3 (8-3/4", HTC, GT09C). Drilled cement and new formation with water and polymer. Drilling ahead

10-04-2000 Drilling ahead with bit #3 (8-3/4", HTC, GT09C). Cuttings built up in the hole. Mixed and pumped gel sweeps to clean hole. Started to mud up at approximately 1700'. Hole is clean with very little extra drag

10-05-2000 Drilling ahead with bit #3 (8-3/4", HTC, GT09C). Slowing penetration rate for the Ojo Alamo

10-06-2000 Trip for bit #3 (8-3/4", HTC, GT09C) at 3026'. TIH with bit #4 (8-3/4", HTC, GT09C). Orientate tools and ream 105' to bottom. Continue drilling

10-07-2000 Drilling ahead with bit #4 (8-3/4", HTC, GT09C)

10-08-2000 TD intermediate hole with bit #4 (8-3/4", HTC, GT09C) at 4179'. Condition mud. Start LDDP

10-09-2000 LDDP and DC's. Change out rams and rig up casing crew. Ran 89 jts. (4177.88') of 7", 20#, K-55, ST&C casing and landed at 4175' KB. Float at 4129'. Rig up BJ and precede cement with 10 bbls of water and 10 bbls of scavenger cement. Cemented with 445 sx (825 cu.ft.) of Type III 50/50 poz with 8% gel, 1% CaCl<sub>2</sub> and 1/4# celloflake/sk. Tailed with 215 sx (301 cu.ft.) of Type III with 1/4# celloflake/sk and 1% CaCl<sub>2</sub>. Displaced plug with 166 bbls of water. Plug down at 1630 hrs 10/8/00. Circulated out 20 bbls of cement. Set slips with 75,000# and cutoff casing. WOC. Start rig repair (right angle drive) at 0430 hrs 10/9/00

10-10-2000 Repair right angle drive. Pick up bit #5 (6-1/4", HTC, STR09) on 3-1/2" DP. TIH and unload well at 2280'. Continue picking up 3-1/2" DP

10-11-2000 TIH with bit #5 (6-1/4", HTC, STR09) on 3-1/2" DP. Unload hole with air. Drilled cement and dried up hole. Drilling ahead with air at 1500 hrs 10/10/00. Right angle drive still not working right

10-12-2000 Pull up into intermediate casing and shut down to repair right angle drive and sprocket. TIH and continued drilling with air. Ran survey and added 2 sx. of graphite to DP. DP became stuck. Working stuck pipe

10-13-2000 Work stuck pipe free and blow hole clean. Continue drilling ahead with air

10-14-2000 Drilling ahead with air and bit #5 (6-1/4", HTC, STR09)

10-15-2000 TD well with air and bit #5 (6-1/4", HTC, STR09) at 6791'. Blow hole clean and TOH. LDDC. Rig up casing crew and run 61 jts. (2786.86') of 4-1/2", 10.5#, K-55, ST&C casing and TIW 4-1/2"x 7" liner hanger on drill pipe and landed at 6790' KB. Latch collar at 6765' KB and marker joint at 5840' KB. Top of liner at 4003' - 171' of overlap into 7". Rig up BJ. Hold safety meeting. Cement with 80 sx (114 cu.ft.) of Cl "H" 50/50 poz w/ 4% Gel, 1% CaCl<sub>2</sub>, and 0.4% FL-50. Tailed with 240 sx (344 cu.ft.) of Cl "H" 50/50 poz with 4% Gel, 1% CaCl<sub>2</sub>, 0.4% FL-50, ¼#/sk celloflake and 4% Phenoseal. Displaced plug with 72 bbls of water. Plug down at 2200 hrs 10/14/00. Set pack-off and circulate out 15 bbls of cement. Lay down DP and TIW setting tool. ND BOP's. Rig released at 0600 hrs. 10/15/00

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Form C-104B

March 19, 2001

# **Change of Operator Name**

OGRID: Effective Date:	120782			
Previous O	perator Name and Info	rmation:	New Oper	rator Name and Information:
Address: Address:	Williams Production One Williams Center P.O. Box 3102 Tulsa, OK 74101		New Name: Address: Address: City, State, Zip:	
	hat the rules of the Oil Con attached list of wells is tru			ed with and that the information given on wledge and belief.
Signature:	Tracy Ro	220		10 71 22 23 24 35 32 32 32 32 32 32 32 32 32 32 32 32 32
Printed name:	Tracy Ross		······································	May # 6
Title:	Production Anal	yst		MAY 3001 ONT ON
•	4/30/01 Phone:			Care of the second
			NM	OCD Approval
		Sign	ature:	
		Printed N	Name:	
			_	
			Date:	

OG6 I WCM CMD :

ONGARD

INQUIRE WELL COMPLETIONS

08/09/04 09:38:41 OGOMES -TPVY

API Well No: 30 39 26297 Eff Date : 10-28-2000 WC Status :

M

OGRID Idn Pool Idn 120782 WILLIAMS PRODUCTION COMPANY, LLC 72319 BLANCO-MESAVERDE (PRORATED GAS)

Prop Idn 17212 ROSA UNIT COM

Well No 129A

GL Elevation: 6357

U/L Sec Township Range North/South East/West Prop/Act(P/A)

34 32N M90 FTG 1680 F S FTG 1965 F W Ч

Lot Identifier:

B.H. Locn

Dedicated Acre: 320.00

Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

E6317: No more recs. for this api well no.

PF01 PF07 HELP PF02 PF08 PF09 PF03 EXIT PF04 GoTo

PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF06

**PF**05

E0005 PF01 HELP PF07 BKWD	CMD: OG6ACRE  API Well No Pool Idn Prop Idn Spacing Unit Sect/Twp/Rng Dedicated La
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scroll PF05 PF11 NXTSEC	mult mult vise vise
PF06 CONFIRM EC PF12 RECONF	08/09/04 09:38:46 OGOMES -TPVY Page No : 1  Well No : 129A aneous Dedication: d C102? (Y/N) :
<b>⊢</b> 4	1 1 29A

OG6IPRD CMD: API Well No Pool Identifier OGRID Identifier: 120782 WILLIAMS PRODUCTION COMPANY, LLC 72319 BLANCO-MESAVERDE (PRORATED GAS) 30 39 26297 Report Period - From: 01 2003 To: 06 2004 INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/09/04 09:38:57 Page No: 1 OGOMES -TPVY

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PF08 FWD	PF02
PF09	PF03 EXIT
PF10	PF04
NXTPOOL E	PF04 GoTo
PF11 NXTOGD	PF05
PF12	PF06
	CONFIRM

OG6IPRD CMD: INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/09/04 09:39:00 OGOMES -TPVY Page No: 2

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC

Pool Identifier 72319 BLANCO-MESAVERDE (PRORATED GAS)

API Well No 30 39 26297 Report Period - From: 01 2003 To: 06 2004

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Page: 1 Document Name: untitled

OG6IPRD CMD : INQUIRE PRODUCTION BY POOL/WELL ONGARD 08/09/04 09:39:01 Page No: 3 OGOMES -TPVY

OGRID Identifier: 120782 WILLIAMS PRODUCTION COMPANY, LLC

Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)

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PF09	PF03 EXIT
PF10 NXTPOOL 1	PF04 GoTo
PF11 NXTOGD	PF05
PF12	PF06 CONFIRM

Date: 8/9/2004 Time: 09:39:38 AM

Form 3160-3 (July 1992)

# **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

# **ROW/APD**

FORM APPROVED Budget Bureau No. 1004-0136 Expires: February 28, 1995

APPLICATION	FOR PERMI	T TO DRILL OR	DEEPEN	5/Legse Designation and Serial No. SF-078772
ia. Type of Wark  DRILL   b. Type of Well	DEE	PEN 🗆		6. If Indian, Allottee or Tribe Name 7. If Unit or CA, Agreement Designation
Oil Well Gas Well Other	] .	Single Well	Multiple Zone	Rosa Unit
2. Name of Operator Williams Exploration & Pr	oduction /	20282		8. Well Name and No. RU-# 129A
P.O. Box 3102, MS 37-2, Tul.	sa, OK. 74101	A 10 10 10	15 16 77	9 API Well No. 30-039-26297
4 Location of Well (Footnges) At Surface 1680' FSL 1965' FWL		8 C C C C C C C C C C C C C C C C C C C	JT 5000	10. Field and Pool, or Explatory Area Blanco - MV
At proposed prod. zone	11. Sec., T., R., M., or BLK. And Survey or Area Section 34, T32N, R6W			
	st Navajo Dam Pos	t Office (straight line)	1800	12. County or Parish Rio Arriba NM
15 Distance from Proposed (Also to nearest Location to Nearest		•		Assigned to This Well
Property or Lease Line, Ft 168		2561.86 acres		0 acres W/2
18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT 110		6069' —	20.Rotary or Ca	otary
21 Elevations (Show whether DF, RT, GR, etc) 6357' GR			1	e Date Work will Start pril 1, 2000
		CASING AND CEMENTING	PROGRAM	
SIZE OF HOLE SIZE 12-1/4" 9-5/8	E & GRADE OF CASING	WEIGHT PER FOOT  36#	SETTING DEPTH 250'	QUANTITY OF CEMENT 130 sx-176 cu ft Type III
8-3/4" 7"		20#	3614'	400 sx-831 cu ft Lite 185 sx- 256 Cu ft-Type III
6-1/4" 4-1/2	<u> </u>	10.5#	3514' - 6069' -	70 sx-150-cuft 115 sx-243cu Lite HS 65/35
at the above described loc is under the jurisdiction Resources by Moore Anth review.  This APD also is serving a	cation, in accordance of the Bureau of ropological Researches an application to new access road (	ce with the attached Ope Reclamation. The local rch of Aztec, NM. The re obtain BLM road and pil see plats #3 & #4). The	eration and Surface ion has been surve port has been sub peline rights-of-wa proposed 272-foot ed Plat Map # 4).	eyed for Cultural omitted to your office for your office for y. This well will be a long pipeline would tie into
ริงณ์ (ฮอก์, ริงาด์	COMPLIANCE WITH A QUIREMENTS!!		This ention i procedural r	is subject to technical and evicer pursuent to 43 CFR 316 pursuent to 43 CFR 3185.4.
At Above a racipional films racipo in the	White security in and to American	n, give presens productive zone and propose	l agu angharing san	CODICO BLALA MELL CO
(This space for Federal or State office use)	Lucia	Steve Nelson Title Ag	<u>(ent</u>	COPIES: BLM+4, WELL FILE+1 Date January 04, 2000
Application approval does not warrant or of Conditions of approval, if any:	certify that: applicant holds legal o	r equitable title to those rights in the subject   NAFOCO	ease which would entitle the appl	icant to conduct operations thereon.

· District I PO 80x 1980, Hobbs, NM 88241-1980

District II PO Drawer DO. Artesia, NM 88211-0719

trict III 1000 Ato Brazos Ad., Aztec, NM 87410

District IV PO 60x 2008, Santa Fa, NM 87504-2068

'API NUTTER

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Cooies

'Pool Name

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

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# Exploration & Production Operations Plan

DATE:

12/01/99

**WELLNAME:** 

**ROSA UNIT #129A** 

Rio Arriba Co., NM

FIELD:

Blanco MV

**LOCATION:** 

NESW Sec.34, T32N, R6W

**SURFACE:** 

BOR

**ELEVATION:** 

6357'GR

MINERALS:

Federal

**TOTAL DEPTH:** 

6069'

LEASE#

SF-078772

I. GEOLOGY:

Surface formation - San Jose

## A. FORMATION TOPS:

Ojo Alamo	2339'	Cliff House	5379'
Kirkland	2464'	Menefee	5424'
Fruitland	2864'	Point Lookout	5619'
Pictured Cliffs	3139'	Mancos	5959'
Lewis	3444'	Total Depth	6069'

- B. <u>LOGGING PROGRAM</u>: 8-3/4" IND/GR/Temp log from TD to surface. CDL interval selected by onsite gelogist. 6-1/4" IND/GR/Temp log from TD to Intermediate TD. CDL interval selected by onsite gelogist.
- C. <u>NATURAL GAUGES</u>: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

### II. DRILLING

- A. MUD PROGRAM: Clear water with benex to 7" casing point. LSND to log and run pipe.
- B. <u>BOP TESTING</u>: While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

### III. MATERIALS

# A. CASING PROGRAM:

CASING TYPE	<b>HOLE SIZE</b>	<u>DEPTH</u>	<b>CASING SIZE</b>	WT. & GRADE
Surface	12-1/4"	250'	9-5/8"	36# K-55
Intermediate	8-3/4"	3614'	7"	20# K-55
Prod. Liner	6-1/4"	3514'-6069'	4-1/2"	10.5# K-55

# **B. FLOAT EQUIPMENT:**

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.

- 1. INTERMEDIATE CASING: 7" cement nose guide shoe with a self- fill insert float. Place float one(1) joint above the shoe and five(5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 2510' to the surface. Total centralizers = 5 regular and 21 turbulent.
- 2. PRODUCTION CASING: 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' joint. Place 20' marker joint above 5300'.

### C. CEMENTING:

- 1. <u>SURFACE</u>: Use <u>130 sx</u> (176cu.ft.) of class "Type III" with 2% CaCl2 and 1/4# of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). Use 125% excess to circulate the surface. WOC 12 hours. Test to 1500#.
- 2. INTERMEDIATE: Lead 400sx (831cu.ft.) of class "Premium Lite" 65/35 Type III/Poz with 8% gel, 1% CaCl2, and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail 185sx (256cu.ft.) of class "Type III" with, 1% CaCl2, and 1/4# cello-flake/sk(Yield = 1.39 cu.ft./sk, Weight = 14.5#/gal.). Use 100 excess in lead and tail to circulate to surface. Total volume = 1104 cu.ft. WOC 12 hours. Test to 1500#.
- 3. PRODUCTION LINER: Lead 70 sx (150 cu.ft.) of class "Premium Lite HS" 65/35, Type III/Poz with 6 % gel, 0.5% FL-52, 1% CaCl2, (Yield = 2.13 cu.ft./sk, Weight = 12.3 #/gal.) Tail 115sx (243 cu.ft.) of class" Premium Lite HS "65/35, Type III/Poz with 6 % gel, 0.5% FL-52, 1% CaCl2, 4% Phenoseal and 1/4# celloflake/sk (Yield = 2.16 cu.ft./sk, Weight = 12.3 #/gal.) Displace cement at a minimum of 8 BPM. Use 50% excess in lead and tail to cover liner top. Total volume 393 cuft. WOC 12 hours.

# **IV COMPLETION**

#### A. CBL

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings.

## **B. PRESSURE TEST**

1. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes.

# C. STIMULATION

- 1. Stimulate Point Lookout with approximately 80,000# of 20/40 sand in slick water.
- 2. Isolate Point Lookout with a CIBP.
- 3. Perforate the Menefee/Cliff House as determined from the open hole logs.
- 4. Stimulate with approximately 80,000# of 20/40 sand in slick water.
- 5. Test each zone before removing bridge plugs.

# D. RUNNING TUBING

1. <u>Mesa Verde:</u> Run 2-3/8", 4.7#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 50' above the bottom Point Lookout perforation.

David Spitz

Engineer, Production & Drilling

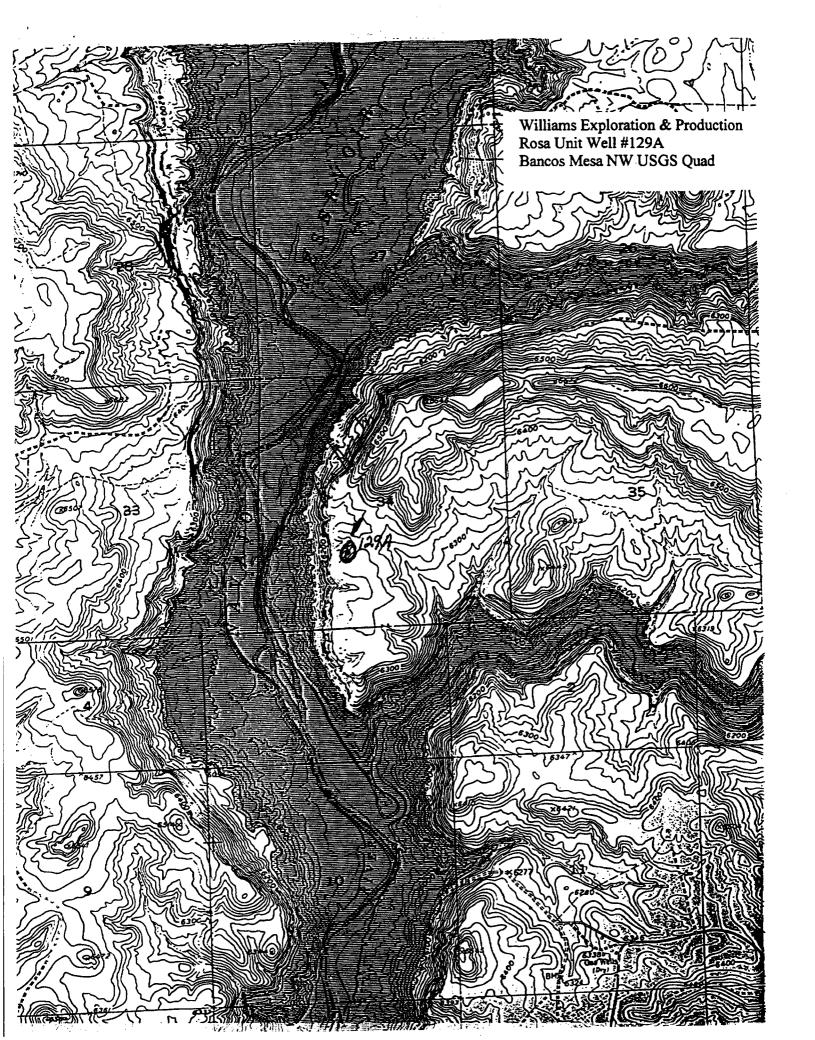
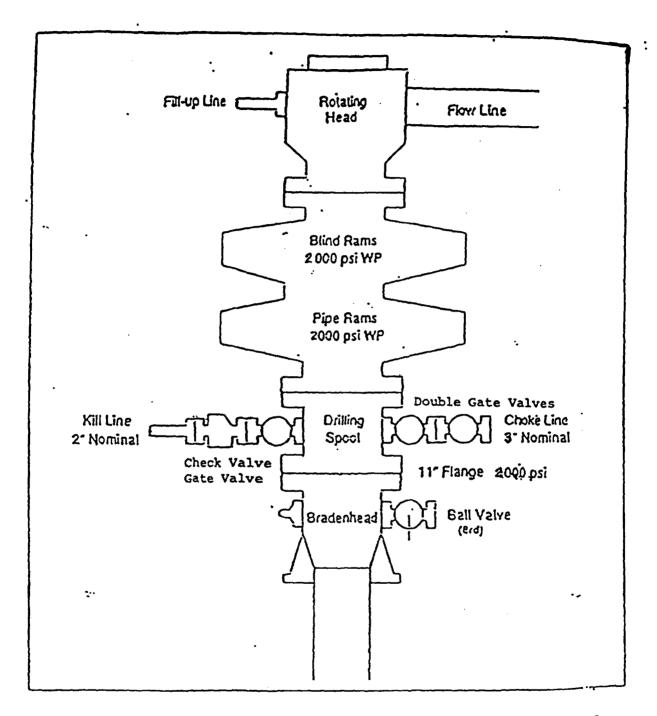


EXHIBIT 1

## BOR STACK ARRANGEMENT



All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with change overs for each tool joint in the string, and choke manifold all rated to 2000 psi.

		•		/
In Lieu of Form 316 (June 199	DEPARTME	ED STATES ENT OF INTERIOR AND MANAGEMENT		FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not u	SUNDRY NOTICE AND use this form for proposals to drill or to deepen or	REPORTS ON WELLS reentry to a different reservoir. Use "APPLICATIO"	5. N	Lease Designation and Serial No. SF-078772
	TO DRILL" for perm.	it for such proposals	6.	If Indian, Allottee or Tribe Name
	SUBMIT IN T	RIPLICATE TO TO THE PROPERTY OF THE PROPERTY O	7.	If Unit or CA, Agreement Designation
1.	Type of Well Oil Well X Gas Well Other	AUG 2000	8.	Well Name and No. ROSA UNIT #129A
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	REDEVED OLOON, DRV	9	API Well No. 30-039-26297
3.	Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101		√10.	Field and Pool, or Exploratory Area BLANCO MESA VERDE
4.	Location of Well (Footage, Sec., T., R., M., or 1680' FSL & 1965' FWL, NE/4 SW/4 SEC 34		11.	County or Parish, State RIO ARRIBA, NM
	CHECK APPROPRIA	TE BOX(s) TO INDICATE NATURE OF NOTICE.	REPORT, OF	OTHER DATA
	TYPE OF SUBMISSION	TY	PE OF ACTI	ON
	Notice of Intent	Abandonment Recompletion		Change of Plans New Construction
	X Subsequent Report	Plugging Back		Non-Routine Fracturing
	Final Abandonment	Casing Repair Altering Casing Other <u>Change Name</u>		Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13.		Clearly state all pertinent details, and give pertinent dat ns and measured and true vertical depths for all mark		
Willian	ns Production Company proposes to ch	nange the well name on the above lease fro	m the Rosa	a Unit #129A to the <u>Rosa Unit Com</u> #129A ノクン/ み
		His is a		• <b>.</b>
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14.	I hereby certify that the foregoing is true and o	correct		
	Signed Tracy Ross	Title <u>Production Analyst</u>	Date	July 21, 2000
	(This space for Federal or State office use)			
	Approved by	Title		<b>♥EPTED FOR RECORD</b>

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Conditions of approval, if any:

In Lieu of Form 316 (June 199	DEPARTMI	ED STATES ENT OF INTERIOR AND MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not u		or reentry to a different reservoir. Use "APPLICATION	Lease Designation and Serial No.     SF-078772
	TO DRILL" for perm	it for such proposals	6. If Indian, Allottee or Tribe Name
	SUBMIT IN	TRIPLICATE	7. If Unit or CA, Agreement Designation
1.	Type of Well Oit Well X Gas Well Other		8. Well Name and No. ROSA UNIT #129A
2.	Name of Operator WILLIAMS PRODUCTION COMPANY		9. API Well No. 30-039-26297
3.	Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101	(918) 573-6254	10. Field and Pool, or Exploratory Area BLANCO MESA VERDE
4. K	Location of Well (Footage, Sec., T., R., M., or 1680' FSL & 1965' FWL, NE/4 SW/4 SEC 34		11. County or Parish, State RIO ARRIBA, NM
	CHECK APPROPRIA	TE BOX(s) TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
	TYPE OF SUBMISSION	TYPE	DF ACTION
	Notice of Intent	Abandonment	Change of Plans New Construction
	X Subsequent Report	Recompletion Plugging Back	Non-Routine Fracturing
	Final Abandonment	Casing Repair Altering Casing	Water Shut-Off Conversion to Injection
		Other <u>Surface Pipe Depth</u>	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13.	Describe Proposed or Completed Operations (is directionally drilled, give subsurface location	Clearly state all pertinent details, and give pertinent dates, in one and measured and true vertical depths for all markers at	acluding estimated date of starting any proposed work. If well and zones pertinent to this work.)*
	ns Production Company proposes to in ain the same.	acrease the setting depth of the 9-5/8" csg from	
			250' to 500'. All other aspect of the original APD
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			250' to 500'. All other aspect of the original APD
			250' to 500'. All other aspect of the original APD
14.	I hereby certify that the foregoing is true and		250' to 500'. All other aspect of the original APD
14.	Signed Tracy Ross  Tracy Ross	1	250' to 500'. All other aspect of the original APD
14.	Signed Tracy Ross  (This space for Federal or State office use)	Title <u>Production Analyst</u> D	ateSeptember 15, 2000
14.	Signed Tracy Ross  (This space for Federal or State office use)	•	ateSeptember 15, 2000
Title 18 V	Signed Tracy Ross  (This space for Federal or State office use)  Approved by /s/ Jim  Conditions of approval, if any:	Title Production Analyst D  Lovato Title  erson knowingly and willfully to make to any department or	ateSeptember 15, 2000



November 20, 2000

#### **DEVIATION REPORT**

Well Name:

ROSA UNIT #129A K SEC 34 T32N R6W

Location: County, State:

RIO ARRIBA COUNTY, NEW MEXICO

Formation:

**BLANCO MESAVERDE** 



DEVIATION F	DEPTH
3/4°	94'
1°	247'
1 ¾°	490'
1°	1849'
3/4°	2736'
3/4°	3173'
1 1/4°	3546'
1°	4390'
1 1/4°	6032'

Chary Ross	
Tracy Ross	
Production Analyst	

State of Oklahoma

ss:

County of Tulsa

The foregoing instrument was acknowledged before me this 20th day of November, 2000, by Tracy Ross.

Susan a Tyler
Susan A. Tyler

My Commission Expires: 7-17-2001

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WEL

Operator					T DITCHT	Lease or Unit		ાવ ૂ	48.	
<u> </u>	W	illiams Prod	uction Com	~				Rosa Unit		<u> </u>
Test Type				Test Date			Well Number	< ○ •	:	1
X In	itial A	nnual	Special	<u> </u>	11/5/2000		<u> </u>	#1	29A	
Completion	Date	Total Depth		Plug Back Ti	D	Elevation		Unit	Sec Twp	Rng
10/2	8/2000	60	69'	60	)31'	63	357'	K	34 321	V 6W
Casing Size		Weight	d	Set At	Perforations:			County		
	1/2''	10.5#		6069'	5526' - 5568	<b>,</b>			Rio Arriba	
<b>Tubing Size</b>		Weight	d	Set At	Perforations:			Pool		
2-	3/8"	4.7#	L	5926'	5638' - 5981	,		<u> </u>	Blanco MV	
Type Well -	Single-Brade	nhead-GG or G	O Multiple		Packer Set At			Formation		
									MV_	
Producing T	`hru	Reservoir Te	mp. oF	Mean Annua	l Temp. oF		Barometer I	ressure - Pa	Connection	
Tu	ıbing	<u> </u>					L		<u> </u>	
L	Н	Gq	%CO2		%N2	%H2S		Prover	Meter Run	Taps
		0.6	<u> </u>		<u> </u>			3/4''		
		FLOW	/ DATA	·		TUBIN	G DATA	CASIN	IG DATA	
	Prover	X Orifice			Temperature		Temperature		Temperature	
1	Line	Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of
NO	Size			p.s.i.q	<u> </u>	p.ş.i.q		p.s.i.q		Flow
SI		2" X 3/4"			·	1091	41	1082		0
1						350	58	1001		0.5 hr
2				<b>,</b>		361	63	956		1.0 hr
3						347	65	926		1.5 hrs
4						301	67	913		2.0 hrs
5						282	66	897		3.0 hrs
				RATEC	F FLOW CAL	CULATION				
	1						Flow Temp.	Gravity	Super	Rate of
[	I	Coef	ficient		1	Pressure	Factor	Factor	Compress.	Flow
NO		(24 F	dours)		hwPm_	Pm	F	Fq	Factor, Fpv	Q,Mcfd
1		9.0	604			294	0.9943	1.29	1.030	3730
2										
3										
4										
NO	Pr	Temp. oR	Тт	Z	Gas Liquid H	ydrocarbon Ra	ation		<del>-</del>	Mcf/bbl.
1					A.P.I Gravity	of Liquid Hyd	drocabrons			Deq.
2					Specific Grav	ity Separator_				XXXXXX
3					Specific Grav			<u>ux</u>		
4					Critical Pressi	ire	·	_p.s.i.a.		p.s.i.a.
5					Critical Temp	erature		R		R
Pc	<u>1094</u>	Pc2	1196836							
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)		3.2298471	(2)	$Pc2^n =$	2.4092756
1		909	826281	370555	1	Pc2-Pw2	,		Pc2-Pw2	
2					]					
3					AOF = Q	$Pc2^n =$	<u>8987</u>			
4		1			<u> </u>	Pc2 - Pw2				
Absolute	Орел Flow	8987	Mcfd @ 15.	025	Angle of Slop	e		Slope, n	0.75	
Remarks:										
Approved B	y Commissio	n:	Conducted I	By:		Calculated B	y:	Checked By:		
			<u> </u>	Matt Crane		Trac	y Ross	L	David Spitz	

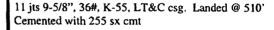
## ROSA UNIT #129A BLANCO MESAVERDE

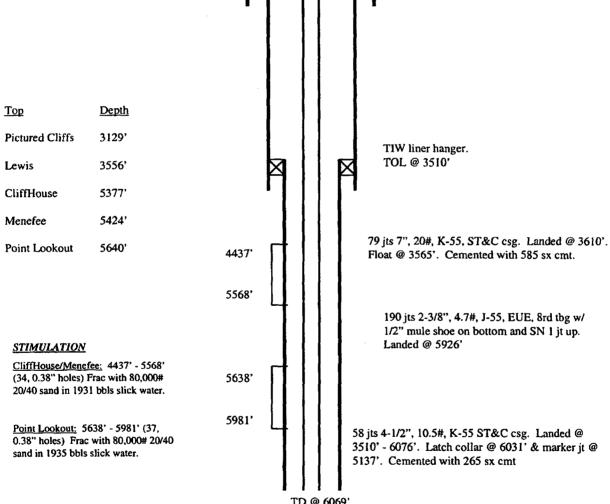
NOV 20

Spud date : 9/19/00

Completed: 10/28/00

Location: 1680' FSL and 1965' FWL NE/4 SW/4 Sec 34(K), T32N R06W Rio Arriba, New Mexico Elevation: 6357' GR





10 6 0	007	
PBTD @	6031'	

Hole Size	Casing	Cement	Volume	Top Of CMT
12-1/4"	9-5/8",36#	255 sx	354 cu. Ft.	surface
8-3/4"	7°, 20#	585 sx	1087 cu ft.	surface
6-1/4"	4-1/2",10,5#	265 sx	385 cu. Ft,	3510'

In Lieu of Form 316 (June 199	DEPARTME	ED STATES NT OF INTERIOR AND MANAGEMENT		FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not	SUNDRY NOTICE AND use this form for proposals to drill or to deepen o	REPORTS ON WELLS recently to a different reservoir. Use "APPLICATION"	5.	Lease Designation and Serial No. SF-078772
	TO DRILL" for permi	t for such proposals	6.	If Indian, Allottee or Tribe Name
	Submit in t	RIPLICATE	7.	If Unit or CA, Agreement Designation ROSA UNIT
1.	Type of Well Oil Well X Gas Well Other	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.	Well Name and No. ROSA UNIT #129A
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	DEC 2000 RECEIVED OIL CON DIV	9.	API Well No. 30-039-26297
3.	Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101	OIL DIST. 3	10.	Field and Pool, or Exploratory Area BLANCO MV
4.	Location of Well (Footage, Sec., T., R., M., or 1680' FSL & 1965' FWL, NE/4 SW/4 SEC 34		11.	County or Parish, State RIO ARRIBA, NM
	CHECK APPROPRIA	TE BOX(s) TO INDICATE NATURE OF NOTICE, R	PORT, OR	OTHER DATA
	TYPE OF SUBMISSION	TYPI	OF ACTIO	N
	Notice of Intent	Abandonment Recompletion		Change of Plans New Construction
	X Subsequent Report	Plugging Back Casing Repair		Non-Routine Fracturing Water Shut-Off
	Final Abandonment	Altering Casing		Conversion to Injection

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

X Other COMPLETION OPERATIONS

Dispose Water

Log form.)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and

10-21-2000 MIRU, secure location and SD for Sunday

10-23-2000 Finished moving all equipment on location & spot rig. Location is extremely muddy. Tallied tbg. RU Basin Perf & RtH for bond log. Ran log from 5930' to 3900'. PU 3-7/8" bit on 2-3/8" tbg & RtH to 4400'

10-24-2000 RIH w/ tbg to tag cmt & drill 90' to float collar. RU BJS & pressure test csg to 3500 psi, held 15 min. Spotted 500 gal 15% HCl acid @ 5975'. TOOH w/ tbg, standing back. Perf Point Lookout w/ 37 (0.38") holes @ the following intervals: 5638', 41', 44', 47', 53', 55', 58', 62', 64', 68', 74', 86', 89', 92', 95', 98', 5711', 14', 17', 19', 25', 27', 39', 52', 54', 62', 65', 5818', 64', 73', 5901', 05', 17', 21', 40', 75' & 81'. Recovered all sand, laid manifold

10-26-2000 Pressure test lines to 4500 psi. Ball off Point Lookout w/ 1000 gal 15% HCl acid & 60 bbls, action good & complete. RIH w/ 4 ½" junk bskt to recover 56 balls w/ 34 hits. Frac Point Lookout w/ 80,000# 20/40 Ariz sand @ 105 bpm @ 3000 psi. RIH w/ CIBP & set @ 5625'. Load hole & pressure test to 3500 psi, held 15 min. RIH w/dump bailer & spotted 15 gal 28% HCl acid @ 5526'. Perf, top down, with 35 (0.38") total holes @ the following intervals: 4437, 43', 51', 57', 66', 77', 4628', 36', 42', 50', 4743', 82', 86', 5046', 72', 77', 90', 94', 5156', 73', 5215', 22', 5304', 89', 92', 5423', 46', 48', 52', 56', 65', 69', 5526' & 68'. Ball off CH/Men w/ 1000 gal 15% HCl acid & 60 balls, action good & complete. Recovered 49 balls w/ 35 hits. Frac CH/Men w/ 80,000# 20/40 Ariz sand @ 95 bpm @ 2800 psi. RIH w/ tbg, rotated through liner top, then pulled up to 7"

14. I hereby certify that the foregoing is true and correct

Signed ROSO Title Production Analyst Date ACCEPTOSONOFOR SECOND

(This space for Federal or State office use)

Approved by Title Date

Continued on reverse side

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

10-27-2000 RIH w/ tbg & 3-7/8" bit to tag 35' fill. RU air pkg & CO to CIBP. Ran 3 sweeps. RU power swivel & drilled CIPP. Chased bal of plug to bottom, had 65' of sand. Ran sweeps each 45 min w/ lots of help from lower zone. TOOH w/ tbg & bit. Pitot reading: 42# on 2" = 4843 mcfd. Well was not communicated behind csg. Let well blow on it's own

10-28-2000 RIH w/ 2-3/8" tbg w/ ½" mule hoe on bottom. Tagged 34' sand. Ran 2 sweeps w/ lots of help from bottom zone. Pulled up & landed 190 jts 2-3/8", J-55, EUE 8rd 4.7# tbg w/ ½" mule shoe on bottom & SN 1 jt up @ 5925.79'. NDBOP, NUWH. Release rig @ 1240 hrs

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In Lieu of Form 3160 (June 1990)	DEPARTME	ED STATES NT OF INTERIOR AND MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not use	SUNDRY NOTICE AND this form for proposals to drill or to deepen or TO DRILL" for permi	reentry to a different reservoir. Use "APPLICATION	5. Lease Designation and Serial No. SF-078772
	TO DRIES. TO PETIE	tion such proposals	6. If Indian, Allottee or Tribe Name
	SUBMIT IN T	RIPLICATE 56789	7. If Unit or CA, Agreement Designation
	Type of Well Oil Well X Gas Well Other	RIPLICATE OF STATE OF	8. Well Name and No. ROSA UNIT #129A
	Name of Operator WILLIAMS PRODUCTION COMPANY	918) 573-6254 CC 231-202 SU	9. API Well No. 30-039-26297
	Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (		10. Field and Pool, or Exploratory Area BLANCO MESA VERDE
	Location of Well (Footage, Sec., T., R., M., or 1680 FSL & 1965 FWL, NE/4 SW/4 SEC 34-	• • •	11. County or Parish, State RIO ARRIBA, NM
	CHECK APPROPRIAT	TE BOX(s) TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
	TYPE OF SUBMISSION	TYPE	OF ACTION
	Notice of Intent	Abandonment	Change of Plans
,	X Subsequent Report	Recompletion Plugging Back	New Construction Non-Routine Fracturing
	Final Abandonment	Casing Repair Altering Casing	Water Shut-Off Conversion to Injection
		Other Drilling Complete	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. I	Describe Proposed or Completed Operations (C is directionally drilled, give subsurface locatio	Clearly state all pertinent details, and give pertinent dates, it is and measured and true vertical depths for all markers a	ncluding estimated date of starting any proposed work. If well and zones pertinent to this work.)*
<u>9-19-200</u>	O MIRU, drilled rat hole. Drilling mou	se hole at report time	
Circulate	© Finished drilling mouse hole. Spur hole clean and TOH. Rig up casing IH with blt #1 and condition hole	d surface hole at 1100 hrs 9/19/00 with spud r crew and hold safety meeting. Ran 9-5/8" cas	mud and bit #1 (12-1/4", 111J). Drilled to 520'. ing to 108' and casing stopped. Laid down
set at 510	0' KB. BJ cemented with 255 sx (354	amer and ream hole to bottom. Ran 11 joints of cu.ft.) of Type III RMS with 2% CaCl2 and 1/lated out 10 bbls of cement. WOC. Nipple up	(498.25') of 9-5/8° 36#, K-55, LT&C casing and 4# cello-flake/sk. Displaced plug with 37 bbls of BOP'S
	O Nipple up BOP and pressure test with water and polymer. Orilling ahe	to 1500 psi – held OK. TIH with bit #2 (8-3/4", ead	GT09C). Drilled cement and shoe and new
<u>9-23-200</u>	O Drilling ahead with water and poly	mer and bit #2 (8-3/4", GT09C)	
		Continue on Back	
14.	I hereby certify that the foregoing is true and o	correct	
	Signed <u>Nacy Koss</u> Tracy Ross	Title Production Analyst I	Date October 2, 2000
******	(This space for Federal or State office use)		ACCEPTED FOR RECORD
	Approved by	Title	Date NOV 2 8 2000
	Conditions of approval, if any:		۸ کا
Title 18 U.S	S.C. Section 1001, makes it a crime for any pe	rson knowingly and willfully to make to any department o	r agency of the Mited States any felt incitious or fraudulent
	or representations as to any matter within its j		The state of the s

9-24-2000 Drilling ahead with water and polymer and bit #2 (8-3/4", GT09C)

<u>9-25-2000</u> TD intermediate hole with bit #2 (8-3/4", GT09C) at 3616'. Circulate, short trip, and circulate. TOH for logs. Rig up Halliburton loggers. Logs stopped at 1550'. Rigged down loggers. TIH to condition

<u>9-26-2000</u> TIH to bottom and circulate and condition hole. Short trip to collars. Rig up Halliburton and run IND/GR/Temp and CDL logs. TIH and LDDP and DC's. Change out rams and rig up casing crew. Ran 79 jts. (3602.72') of 7", 20#, K-55, ST&C casing and landed at 3610' KB. Float at 3565'. Rig up BJ and precede cement with 20 bbls of water. Cemented with 400 sx (831 cu.ft.) of Type III 65/35 poz with 8% gel, 1% CaCl<sub>2</sub> and 1/4# celloflake/sk. Tailed with 185 sx (256 cu.ft.) of Type III with 1/4# celloflake/sk and 1% CaCl<sub>2</sub>. Displaced plug with 144 bbls of water. Plug down at 0315 hrs 9/26/00. Circulated out 20 bbls of cement. WOC

9-27-2000 Drilling with air approx. 115' per hour

9-28-2000 Drilling ahead with air hammer, (drill pipe manually backed off, bit may have torqued up in a fracture, unable to get details, but was able to screw back into drill string @ 1,511'). After trip continued drilling to TD of 6,069' @ 0600 hrs 9/28/00 with bit #3 (6 ¼", R42R8R3)

9-29-2000 TOH for logs. RU Halliburton & run IND/GR and DEN/NEU/TEMP logs. Rig down Halliburton. TIH. LDDP & DC's. Rig up casing crew and run 58 jts (2566.61') of 4-1/2", 10.5#, K-55, ST&C casing and TIW 4-1/2"x 7" liner hanger on drill pipe and landed at 6076' KB. Latch collar at 6031' KB and marker joint at 5137' KB. Top of liner at 3510' - 100' of overlap into 7". Rig up BJ. Hold safety meeting. Cement with 80 sx (114 cu.ft.) of Cl "H" 50/50 poz w/ 4% Gel, 1% CaCl<sub>2</sub>, and 0.4% FL-50. Tailed with 185 sx (271 cu.ft.) of Cl "H" 50/50 poz with 4% Gel, 0.4% FL-50, ¼#/sk celloflake and 4% Phenoseal. Displaced plug with 66 bbls of water. Plug down at 0200 hrs 9/29/00. Set pack-off and circulate out 10 bbls of cement. Lay down DP and TIW setting tool. Rig released at 0800 hrs 9/29/00. FINAL REPORT

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

FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995

				154	cise side)		FION AND LEASE NO. SF-078772
<del></del>				<del>~</del>		& IF INDIAN, ALLOT	
V.	VELL COMPLE	TION OR REC	OMPLETION RE	EPORT AND LO	OG*		
						7. UNIT AGREEMEN	
la. TYPE O	F WELL: I OIL WELL	X GAS WELL	DRY OTHER	<del></del>		R	OSA UNIT
	OF COMPLETION: EW WELL WORKOV	er deepen plu	G BACK DIFF.RESVR.	OTHERC	3456		
2. NAME (	OF OPERATOR					8.FARM OR LEASE N	AME, WELL, NO.
		WILLIAMS PROI	DUCTION COMPANY				A UNIT #129A
3. ADDRE	SS AND TELEPHONE NO	<del></del>			EO 2000	9. API WELL NO.	
		P.O. BOX 3102 MS	37-2 TULSA, OK 7410	01 (918	ECEIVED	30.00	9-26297
4. LOCA	TION OF WELL (Re	port location clearly a	and in accordance with a	ny State requirement	DON. DIV		POOL, OR WILDCAT
At Sur	rface: 1680'FSL & 19	65'FWL			DIST.3		LANCO MV
	production interval re	eported below:		15.2°		11. SEC., T.,R.,M., OR	DI OCK AND
At tota	il depth:			د در کریک	n 11 (2)	SURVEY OR ARI	
					12 12 11 11		SW/4 SEC 34-32N-6W
				14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	13. STATE
	T :	12 D 177 COLON FORD	(PE 1 DV TO PRODUCE)	12 71 71/17/01/01/01/01	2//2 57.02 57.01	RIO ARRIBA	NEW MEXICO
15. DATE	16. DATE T.D. REACHED		(READY TO PRODUCE)	18. ELEVATIONS (DK		19. ELEVATION CAS	INGHEAD
SPUDDED 09/19/2000	09/28/2000	10/2	8/2000	633	57' GR		
20. TOTAL DEPTH, N	MD & TVD	21. PLUG, BACK T.D., I	MD & TVD	22. IF MULTCOMP.,	23. INTERVALS	ROTARY TOOLS	CABLE TOOLS
606	9'MD	603	1' MD	HOW MANY	DRILLED BY	x	
24 PRODUCING INT	TERVALIST OF THIS COM	PLETION - TOP, BOTTON	A, NAME (MD AND TVD)*	L	<u> </u>	25. WAS DIRECTION	AL SURVEY MADE
•	/ 4437' – 5981'		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			YES	
	AND OTHER LOGS RUN					27. WAS WELL COR	ED
	EN/NEU/TEMP					NO	
				<del></del>		<u> </u>	
	(Report all strings set in we SIZE/GRADE.	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN	MENTING RECORD	AMOUNT PULLED
	8" K- <b>5</b> 5	36#	510	12-1/4"	255 SX - S	URFACE	
7"	K-55	20#	3613 6113	8-3/4"	585 SX - S	URFACE	
29.LINER RECORD		L	73610	L	30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3510	6076'	265 SX		2-3/8"	5926'	
31. PERFORATION P	RECORD (Interval, size, and	number)		22 ACID SHOT EN AC	TURE, CEMENT SQUEEZE,		TERIAL USER
CH/Menefee 44					11/0		
	37', 43', 51', 57', 66	'. 77'. 4628'. 36'. 42'	. 50' . 4743' . 82' . 86' .	DEPTH INTERVAL (MD)	AMO	UNT AND KIND OF MA	
5046', 72', 77', 5	90', 94', 5156', 73', 5	215', 22', 5304', 89',	, 50', 4743', 82', 86', , 92', 5423', 46', 48',	DEPTH INTERVAL	80,000# 20/40 Sand		
5046', 72', 77', 5 52', 56', 65', 69'	90', 94', 5156', 73', 5 ', 5526' and 68'.  Tot	215', 22', 5304', 89', al of 34 (0.38") holes	, 92', 5423', 46', 48',	DEPTH INTERVAL (MD) 4437'- 5568	80,000# 20/40 Sand	in 1931 BBIs slick	water
5046', 72', 77', 5 52', 56', 65', 69' <u>Point Lookout:</u> 5	90', 94', 5156', 73', 5 ', 5526' and 68'. Tou 5638', 41', 44', 47', 5	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64',	, 92', 5423', 46', 48', 68', 74', 86', 89',	DEPTH INTERVAL (MD)		in 1931 BBIs slick	water
5046', 72', 77', 9 52', 56', 65', 69' <u>Point Lookout:</u> 5 92', 95', 98', 571	90', 94', 5156', 73', 5 ', 5526' and 68'. Tou 5638', 41', 44', 47', 5 11', 14', 17', 19', 25'	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64', , 27', 39', 52', 54', 62	, 92', 5423', 46', 48', 68', 74', 86', 89', 2', 65', 5818', 64',	DEPTH INTERVAL (MD) 4437'- 5568	80,000# 20/40 Sand	in 1931 BBIs slick	water
5046', 72', 77', 9 52', 56', 65', 69' <u>Point Lookout:</u> 5 92', 95', 98', 571 73', 5901', 05', 1	90', 94', 5156', 73', 5 ', 5526' and 68'. Tou 5638', 41', 44', 47', 5 11', 14', 17', 19', 25'	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64',	, 92', 5423', 46', 48', 68', 74', 86', 89', 2', 65', 5818', 64',	DEPTH INTERVAL (MD) 4437'- 5568	80,000# 20/40 Sand	in 1931 BBIs slick	water
5046', 72', 77', 9 52', 56', 65', 69' <u>Point Lookout:</u> 5 92', 95', 98', 571	90', 94', 5156', 73', 5 ', 5526' and 68'. Tou 5638', 41', 44', 47', 5 11', 14', 17', 19', 25'	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64', , 27', 39', 52', 54', 62	, 92', 5423', 46', 48', 68', 74', 86', 89', 2', 65', 5818', 64',	DEPTH INTERVAL (MD) 4437'- 5568	80,000# 20/40 Sand	in 1931 BBIs slick	water
5046', 72', 77', 5 52', 56', 65', 69' Point Lookaut: 5 92', 95', 98', 57', 73', 5901', 05', 1	90', 94', 5156', 73', 5 ', 5526' and 68'. Tou 5638', 41', 44', 47', 5 11', 14', 17', 19', 25' 17', 21', 40', 75' and	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64', , 27', 39', 52', 54', 62 81'. Total of 37 (0.38	, 92', 5423', 46', 48', 68', 74', 86', 89', 2', 65', 5818', 64', 3'') holes	DEPTH INTERVAL (MD) 4437'- 5568' 5638'- 5981'	80,000# 20/40 Sand 80,000# 20/40 Sand	in 1931 BBIs slick in 1935 BBIs slick	water
5046', 72', 77', 5 52', 56', 65', 69' Point Lookaut: 5 92', 95', 98', 57', 73', 5901', 05', 1	90', 94', 5156', 73', 5 ', 5526' and 68'. Tou 5638', 41', 44', 47', 5 11', 14', 17', 19', 25'	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64', , 27', 39', 52', 54', 62 81'. Total of 37 (0.38	. 92', 5423', 46', 48', 68', 74', 86', 89', 2', 65', 5818', 64', 8'') holes	DEPTH INTERVAL (MD) 4437'- 5568' 5638'- 5981'	80,000# 20/40 Sand 80,000# 20/40 Sand	in 1931 BBIs slick in 1935 BBIs slick in WELL STAT	water
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5046', 72', 77', 9 52', 56', 65', 69'  Point Lookout: 5 92', 95', 98', 57' 73', 5901', 05', 1  33.PRODUCTION  DATE OF TEST 10/05/00  FLOW TBG PRESS 282  34. DISPOSITION O. 35. LIST OF ATTAC	90', 94', 5156', 73', 5 ', 5526' and 68'. Tota 5638', 41', 44', 47', 5 11', 14', 17', 19', 25' 17', 21', 40', 75' and  ST PRODUCTION  TESTED 3 hr  CASING PRESSURE 897  F GAS (Sold, used for fuel, HIMENTS: SUN and the foregoing and attache	215', 22', 5304', 89', al of 34 (0.38") holes 3', 55', 58', 62', 64', 27', 39', 52', 54', 62', 61'. Total of 37 (0.38')  CHOKE SIZE  3/4"  CALCULATE  Veried, etc.): TO BE SOLE	. 92', 5423', 46', 48', 68', 74', 86', 89', 2', 65', 5818', 64', 8"') holes  UCTION METHOD (Flowing, property) PROD'N FOR TEST PERIOD  D 24-HOUR RATE  CONES, WELLBORE DIAC d correct as determined from all	DEPTH INTERVAL (MD) 4437'- 5568' 5638'- 5981'  gas tift, pumping-size and type of the state of t	80,000# 20/40 Sand 80,000# 20/40 Sand .  GAS – MCF 466  GAS – MCF 3,730	in 1931 BBIs slick in 1935 BBIs	water  FUS (PRODUCING OR SI)  Itting on pipeline  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)  BY: CHIK CHARLEY

NOV 2 8 2000

In Lieu of Form 3166 (June 1996 Do not u	DEPARTME	reentry to a different reserv		5. 6.	Leas SF-0	udget Bureau Expires: Ma se Designation	PPROVED a No. 1004-0135 arch 31, 1993 on and Serial No.
	SUBMIT IN T	RIPLICATE	34567	7.	If U	nit or CA, A	greement Designation
1.	Type of Well Oil Well X Gas Well Other		DEC 2000	8.		l Name and l SA UNIT #12	
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	918) 573-6254	RECEIVED ON	12 9.		Well No. 39-26297	
3.	Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (	918) 573-6254	DIST. 3	10.		d and Pool, o	τ Exploratory Area
4.	Location of Well (Footage, Sec., T., R., M., or 1680) FSL & 1965 FWL, NE/4 SW/4 SEC 34-		CESTS OS EL TO	11.		nty or Parish ARRIBA, N	
	CHECK APPROPRIAT	TE BOX(s) TO INDICATE	NATURE OF NOTIC	E, REPORT,	OR OTHER	R DATA	
	TYPE OF SUBMISSION	-		TYPE OF AC	CTION		
	Notice of Intent	Abandonme	nt		Ch	ange of Plan	s
		Recompletion			Ne	w Construct	ion
	X Subsequent Report	Plugging Ba Casing Repa	nir		Wa	on-Routine Fi ater Shut-Off	•
	Final Abandonment	Altering Cas OtherSpu	-		Со	nversion to l Dis	njection pose Water
					on W	ote. Report r	esults of multiple completion on or Recompletion Report
13.	Describe Proposed or Completed Operations (C is cirectionally drilled, give subsurface location						
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This	s well was spud @ 1100 hrs 9/19/00	)					p. 3
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14.	I bereby certify that the foregoing is true and c	orrect					
	Signed Tracy Ross Ross	Title Production	Analyst	Date_	Septem	EP 20, 2000	FUH BENNE
	(This space for Federal or State office use)						
	Approved by	Title	<del></del>		Date _	NOV 2	<u>8 2</u> 000
	Conditions of approval, if any:			<del></del>	<u> </u>		N FIELD OFFICE
	J.S.C. Section 1001, makes it a crime for any per is or representations as to any matter within its ju		to make to any depart	tment or agen	cy of the Uni	ited States ar	y false, ictitious or fraudulent

<u>Distri: 1 I</u> 1625 N. French Dr., Hobbs, NM 88240

District II 811 South First, Artesia, NM 88210

Previous Operator Signature

# State of New Mexico Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION

Form C-104 Revised March 17, 1999

Date

Submit to Appropriate District Office

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				102, MS 37-2						3 Reason f	_	Code
	PI Number		TULSA,	OK 74101	<del></del> ;	<sup>5</sup> Pool Name					NW	Pool Code
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7 Pr	operty Code				* p	roperty Nan	ne				, A	Vell Number
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or lot no.	Section	Township	Range	Lot.ldn	Feet from		North/Sou		Feet from the	East/We		County
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or lot no.	Section	Township	Range	Lot ida	Feet from	the	North/Sou	ith line	Feet from the	East/We	st line	County
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Well C	ompletic Date	on Data	ady Date 28/00		9069,		<sup>28</sup> PBT 6031		<sup>39</sup> Perforal 4437' – 5	ions 1981'		<sup>30</sup> DHC, DC,MC
Well C * Spud 9/19/	ompletic Date /00	on Data	28/00	Casing & Tubing	6069'		6031	'	4437' – 5	ions 1981'		
Well C * Spud 9/19/	ompletic Date	on Data	28/00		6069'		6031		4437' – 5	ions 1981'	34 Sack	DHC, DC,MC  S Cement  5 SX
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Well C  33 Spud 9/19/ 9/19/  Well T  34 Choice 34." hereby certify	Completic Date //OO  Ji Hole Size 12 ½ 8 ¾ 6 ½  Crest Data ew Oil  Size that the rules	Data  M Gas Deliv  A Cooperation of the Oil Conserve	28/00  u (	2 3/8" - 4.7#  2 3/8" - 4.7#  37 Test  11/0  43 W	6069' Size  1 Date 6500 'ater Date with		503 J  January Test Len 3 HRS 44 Gas 3,730	Depth Set 520° 6 3610° 6076° 5926°	4437' - 5	981'	<sup>34</sup> Sack 25 58 26	s Cement 5 SX 5 SX 5 SX 6 Csg. Pressure 897 6 Test Method 10
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Well C  3 Spud 9/19 9/19 Well 7  3 Date No	Ompletic Date //OO  Ji Hole Size 12 ¼" 8 ¾" 6 ¼"  Fest Data ew Oil  Size  that the rules of mation given all	Data  Mark Gas Deliv  Gas Deliv  Gas Deliv  Good the Oil Conservo	28/00  u very Date  il  valion Division omplete to the	7" – 20# 4 ½" – 10.5# 2 3/8" – 4.7#  37 Test 11/0 40 W	6069' Size  1 Date 6500 'ater Date with	Approved b	5031 31 Test Len 3 HrS 44 Gas 3,730	Depth Set 520° 6 3610° 6076° 5926°	"Tbg. Pri 282 "AO	essure	34 Sack 25 58 26	S Cement 5 SX 5 SX 5 SX 5 SX  ** Csg. Pressure 897 ** Test Method 12 ON
Well C  35 Spud 9/19/ 9/19/ Well T  36 Date No 41 Choice 36.** Thereby certify that the informer.	Ompletic Date //OO  Ji Hole Size 12 ¼" 8 ¾" 6 ¼"  Fest Data ew Oil  Size  that the rules of mation given all	Data  M Gas Deliv  A Cooperation of the Oil Conserve	28/00  u very Date  il  valion Division omplete to the	7" – 20# 4 ½" – 10.5# 2 3/8" – 4.7#  37 Test 11/0 40 W	6069' Size  1 Date 6500 'ater Date with		5031 31 Test Len 3 HrS 44 Gas 3,730	Depth Set 520° 6 3610° 6076° 5926°	** Tbg. Pri 282 ** AO	essure	34 Sack 25 58 26	S Cement 5 5 X 5 5 X 5 5 X 6 Csg. Pressure 897 4 Test Method 10 ON
Well C  35 Spud 9/19/ 9/19/ . Well 7  36 Date No  41 Choice 36/ thereby certify that the informer.  ted name:	Ompletic Date //00  Ji Hole Size 12 ½" 8 ¾" 6 ¼"  Fest Data ew Oil  Size  Chat the rules mation given al	M Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv	28/00  u very Date  il  valion Division omplete to the	7" – 20# 4 ½" – 10.5# 2 3/8" – 4.7#  37 Test 11/0 40 W	6069' Size  1 Date 6500 'ater Date with	Approved b	3 Test Len 3 Hrs 4 Gas 3,730	Depth Set 520° 6 3610° 6076° 5926°	"Tbg. Pri 282 SAO  NSERVATI	SSURE	34 Sack 25 58 26 IVISI	S Cement 5 5 X 5 5 X 5 5 X 6 Csg. Pressure 897 4 Test Method 10 ON
Well C  23 Spud 9/19, 9/19, Well T  30 Date No.  41 Choice 34, thereby certify that the informer. ted name:	Ompletic Date //OO  Ji Hole Size 12 ¼" 8 ¾" 6 ¼"  Fest Data ew Oil  Size  that the rules of mation given all	M Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv  Gas Deliv	28/00  su (  very Date  ii  vulion Division omplete to the	7" – 20# 4 ½" – 10.5# 2 3/8" – 4.7#  37 Test 11/0 40 W	6069' Size  1 Date 6500 'ater Date with	Approved b	3 Test Len 3 Hrs 4 Gas 3,730	Depth Set 520° 6 3610° 6076° 5926°	"Tbg. Pri 282 SAO  NSERVATI	essure	34 Sack 25 58 26 IVISI	S Cement 5 5 X 5 5 X 5 5 X 6 Csg. Pressure 897 4 Test Method 10 ON

Printed Name