## RECEIVED

In Lieu of Form 3160-4 (July 1992)

**UNITED STATES** DEPARTMENT OF THE INTERIOR AUG 20 2009 ICATE BURI

FORM APPROVED OMB NO 1004-0137

Expires: February 28, 1995

EAU OF LAND MANAGEM	1ENT	(See other instruction
,	Bureau of Land	Management

5 LEASE DESIGNATION AND LEASE NO.

				Farmington Field			MSF-078765	
	ELL COMDIT	TION OD DEC	COMPLETION R	_		6. IF INDIAN,ALLOT	TEE OR	
	VELL COMPLI	ETION OR REC	OMPLETION	EFORT AND L	OG"	7 UNIT AGREEMEN	IT NAME	
la. TYPE O	F WELL   F OIL WELL	X GAS WELL	DRY OTHER				Rosa Unit	
b TYPE O	F COMPLETION							
<u>X</u> N	EW WELL WORKO	VER DEEPEN PLU	JG BACK DIFF RESVR	OTHER		F-MMMM	UM-AFOPP	
2 NAME (	OF OPERATOR	2				8 FARM OR LEASE	NAME, WELL NO.	
		WILLIAMS PRO	DUCTION COMPANY	?		Ro	osa Unit #88C	
3 ADDRE	SS AND TELEPHONE NO	),				9 API WELL NO		
			Aztec, NM 87410 (505				5-34458 <b>-0163</b>	
	•		and in accordance with a	any State requirements	s)*	1	POOL, OR WILDCAT	
		230' FEL, Sec 8, T31		O TOTAL DAW		BLANG	CO MESAVERDE	
•	production interval r	eported below: 200	FNL & 2307' FWL, Sec	: 6, 131N, KOW		[		
	,					11 SEC, T,R,M, OI	R BLOCK AND	
						SURVEY OR AREA NW/4 NE/4, Sec 8, T31N, R6W		
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE	
				]		San Juan	New Mexico	
15 DATE	16 DATE T.D.		(READY TO PRODUCE)	18 ELEVATIONS (DK,		19. ELEVATION CAS		
SPUDDED 6-9-08	REACHED 7-8-08	8/	13/09	621	8' GR	KUVU	NG 26 '09	
20 TOTAL DEPTH, M		21 PLUG, BACK T.D.,	MD & TVD	22. IF MULTCOMP.,	23 INTERVALS	ROTARY TOOLS	CABLE TOOLS	
8085' MD	7862` TVD	8080' MD 7857' T	VD	HOW MANY	DRILLED BY	× nu C	DNS. DIV.	
24. PRODUCING INT	ERVAL(S), OF THIS COM	PLETION - TOP, BOTTO	M, NAME (MD AND TVD)*	•		25 WAS DIRECTION		
	SAVERDE 5702' – (	6120'				YES 27 WAS WELL COR	<u>151. 3</u>	
Cased hole an	AND OTHER LOGS RUN					No No	ED	
						140		
	Report all strings set in we IZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	10P OF CEMENT, CE	MENTING RECORD	AMOUNT PULLED	
	", K-55	40.5#	322'	14-3/4"	250 SX - S			
7-:	5/8"	′26.4#	3703'	9-7/8"	1482 SX - S	SURFACE		
5-1/2'	', N-80	17.0#	8082'	6-3/4"	220 SX - <del>\$6</del>	#R (CRL)		
	,,,,,,	17.00		0 3/1	220 371 00	1		
AN I WEN DECOME	····			<u> </u>	30 TUBING RECORD	5316'		
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
					2.375", 4.7#, J-55,	8014'	none	
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID SHOT FRAC	N-80 TURE, CEMENT SOUEEZE.	FTC	<del></del>	
Jii I II A GIATTON I	Soortes (interval, size, and	number)		DEPTH INTERVAL		UNT AND KIND OF MA	TERIAL USED	
Uppr PT/LO: 570	2' – 5870' (45, 0.34"	halas)		(MD)				
<u>орди 1 1/120.</u> 370.	2 - 3870 (43, 0.34	noies)		5702' - 5870'	Frac with 106,500#	20/40 BASF		
<u>Lwr PT/LO:</u> 5896	' - 6120' (54, 0.34")	holes)			Frac with 54,741# 20	0/40 BASF	<del></del>	
	-			5896` 6120'	<b>,</b>			
23 PRODUCTION **	To be comminated a	with the Mancos and I	Dakota formations per D	HC-AZT-3213 Flow	test on all three forms	tions (Mesaverde N	Jancos Dakota)	
	T PRODUCTION		OCTION METHOD (Flowing, g				TUS (PRODUCING OR SI)	
DATEOFIRS	TRODUCTION	I KODO			e or pump)		_	
			Flov				- waiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
8/12/08	1.5 hr	16/64	PERIOD	Į į				
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	O 24-HOUR RATE	OIL – BBL,	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR )	
0		CALCOLATE	5 24-1150K 1011E	OIL - BBL,	· 800 p/day ✓	WATER BBE	OIL GRAVII I-AII (CORK)	
Ŭ	600 PSI		•		000 j/ duj •			
34 DISPOSITION OF	GAS (Sold, used for fuel, v	ented, etc.) 10 BE SOLD		<u> </u>		TEST WITNESSED B	Y: Craig Ward	
35 LIST OF ATTACH	MENTS: SUM	MARY OF POROUS ZO	ONES, WELLBORE DIAG	RAM, Directional EOW	report attached to comple	etion sundry		
36 1 hereby certify has	the foregoing and attached	information is complete and	correct as determined from all a	available records				
SIGNED.	WHYWY 1	Liller	TITLE	Regulatory Specialist	DATE8/20/09	ACCEPT	TED FOR RECORD	
		7				Alle	2 / 2000	
		U				AUC AUC	5 2 4 2009	

NMOCD #6

FARMINGTON FIELD OFFICE

FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC	NAME		ТОР		
			NAME.	MEASURED DEPTH	TRUE VERTICAL DE			
						KIRTLAND	2442`	2220'
						FRUITLAND COAL	2902'	2680'
·						PICTURED CLIFFS	3220'	2998`
						CLIFFHOUSE	5427`	5205`
					•	MENEFEE	5473`	5251
						POINT LOOKOUT	5700'	5478'
						MANCOS	6234'	6012'
						DAKOTA	7957	7734'
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In Lieu of Form 3160-4 (July 1992)

## UNITED STATES RECEIVED DEPARTMENT OF THE INTERIOR

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

BUREAU OF LAND MANAGEMENTS 2 0 2009 (See other instructions on reverse side) 5 LEASE DESIGNATION AND LEASE NO NMSF-078765 Bureau of Land Management 6 IF INDIAN ALL OTTEF OR WELL COMPLETION OR RECOMPLETION OF THE WORLD STREET, WELL COMPLETION OF THE WORLD STREET, WHICH THE WO 7 UNIT AGREEMENT NAME X GAS WELL TYPE OF WELL FOIL WELL OTHER Rosa Unit l a DRV TYPE OF COMPLETION b X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR OTHER 8 FARM OR LEASE NAME, WELL NO 2 NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY Rosa Unit #88C ADDRESS AND TELEPHONE NO 9 API WELL NO 30-045-34458-0162 P.O. Box 640, Aztec, NM 87410 (505) 634-4208 10. FIELD AND POOL, OR WILDCAT LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\* At Surface: 1060' FNL & 2230' FEL, Sec 8, T31N, R6W **BASIN MANCOS** At top production interval reported below: 260' FNL & 2307' FWL, Sec 8, T31N, R6W At total depth: Same 11 SEC., T ,R.,M , OR BLOCK AND SURVEY OR AREA NW/4 NE/4, Sec 8, T31N, R6W DATE ISSUED 14 PERMIT NO 13 STATE New Mexico San Juan 19 ELEVATION CASINGHEAD 16 DATE T.D. 17 DATE COMPLETED (READY TO PRODUCE) 18 ELEVATIONS (DK, RKB, RT, GR, ETC.)\* 15 DATE **RCVD AUG 25 '09** REACHED 8/13/09 6218' GR 🖊 SPUIDDED 7-8-08 6-9-08 23 INTERVALS 20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T.D., MD & TVD 22 IF MULTCOMP, ROTARY TOOLS CABLE TOOLS 8085' MD / 7862' TVD 8080' MD 7857' TVD HOW MANY DRILLED BY YOIL COMS. DIV 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE DIST. 3 BASIN MANCOS 6925' - 7296' YES 26 TYPE ELECTRIC AND OTHER LOGS RUN 27 WAS WELL CORED Cased hole and CBL No 28 CASING REPORT (Report all strings set in well) TOP OF CEMENT, CEMENTING RECORD CASING SIZE/GRADE WEIGHT, LB/FT DEPTH SET (MD) HOLE SIZE AMOUNT PULLED 10-3/4", K-55 250 SX - SURFACE 40.5# 322 14-3/4

				l .			
7-:	5/8"	26.4#	3703`	9-7/8"	1482 SX – SURFACE		<del></del>
5-1/2", N-80		17.0#	8082'	6-3/4"	220 SX - <del>56</del>	19**(CBL)	····
						5316·	
29.LINER RECORD		<del></del>		<del></del>	30 TUBING RECORD		
SIZE TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
					2.375", 4.7#, J-55,	8014'	none
					N-80	·	
11 PERFORATION R	ECORD (Interval, size, and	i number)		32 ACID, SHOT, FRAC	TURE, CEMENT SQUEEZE	ETC	
,			DEPTH INTERVAL (MD)	AMO	AMOUNT AND KIND OF MATERIAL USED		
Mancos 2nd Stg: 6925' - 7095' (48, 0.34" holes)		6925' – 7095'	Frac with 5060# 100	100,448# 40/70 BASF			
Mancos 1st Stg.	<u>Mancos 1st Stg.</u> 7165' – 7296' (42, 0.34" holes)			7165' – 7296'	Frac with 5271# 100	mesh followed with	100,823# 40/70 BASF

33.PRODUCTION \*\* To be commingled with the Mesaverde and Dakota formations per DHC-AZT-3213. Flow test on all three formations (Mesaverde, Mancos, Dakota)

DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	as lift, pumping-size and typ	WELL STATUS (PRODUCING OR SI)				
			Flow	ing		SI – waiting on tie-in			
DATE OF TEST 8/12/08	TESTED 1.5 hr	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO		
FLOW TBG PRESS	CASING PRESSURE 600 PSI	CALCULATE	D 24-HOUR RATE	OIL – BBL	GAS - MCF 800 p/day	WATER - BBL.	OIL GRAVITY-API (CORR)		
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD							

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report attached to completion sundry 35 LIST OF ATTACHMENTS.

36. I hereby nation is complete and correct as determined from all available records

TITLE Regulatory Specialist DATE 8/20/09

ACCEPTED FOR NECORD

AUG 2 4 2009

FARMINGTON FIELD OFFICE

cushion used, time tool open,	flowing and shut-in pressures, a	ies of porosity and contents thereof and recoveries)		- '		ERS		
FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC		NAME		TOP	
					NAME	MEASURED DEPTH	TRUE VERTICAL DE	
						KIRTLAND	2442	2220
						FRUITLAND COAL	2902.	2680`
	ja	1				PICTURED CLIFFS	3220	2998.
						CLIFFHOUSE	5427	5205`
						MENEFEE	5473`	5251'
•		1				POINT LOOKOUT	5700	5478
						MANCOS	6234'	6012
						DAKOTA	7957'	7734'
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