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

							IMSF-078766	
,	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND I	.0G*	6 IF INDIAN,ALLO	TTEE OR	
				EI OILI III I	700	7 UNIT AGREEME		
	OF WELL. I OIL WELL	Rosa Unit						
	OF COMPLETION VEW WELL WORKS	OVER DEEPEN PL	UG BACK DIFF RESVR	OTHER	CER.	Report to lease		
2 NAME	OF OPERATOR				011.0.0	8 FARM OR LEASE	NAME, WELL NO	
		WILLIAMS PRO	DUCTION COMPANY	, N	OV 0 6 2009	i	sa Unit #160D	
3 ADDR	ESS AND TELEPHONE N	0		Pirm		9. API WELL NO		
		PO Box 640,	Aztec, NM 87410 (505) 634-4208 Farmi	of Land Mage	30-03	9-30689-00C1	
4. LOC.	ATION OF WELL (R		and in accordance with a				POOL, OR WILDCAT	
		1400' FWL, sec 25, T				I	Basin Dakota	
	p production interval i al depth: Same	reported below: 631'	FSL & 679' FWL, sec 2	5, 131N, R6W				
711 101	аг цериг. Зате					11. SEC , T ,R.,M , O	R BLOCK AND	
						SURVEY OR AF		
				14. PERMIT NO.	DATE ISSUED	12. COUNTY OR	5, T31N, R6W	
				14. I Eldwil 140.		Rio Arriba	New Mexico	
15 DATE	16 DATE T D	ľ	O (READY TO PRODUCE)	`	C, RKB, RT,GR,ETC)*	19. ELEVATION CA	SINGHEAD	
SPUDDED 8-9-09	REACHED 8-20-09] 11	-5-09	639	92' GR			
20 TOTAL DEPTH,	MD & TVD / 7976' TVD	21. PLUG, BACK T.D., 8107' MD / 7968'		22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS	
24 PRODUCING IN	TERVAL(S), OF THIS COM	APLETION - TOP, BOTTO	M, NAME (MD AND TVD)*] 3.	-	25 WAS DIRECTION	NAL SURVEY MADE	
	OTA: 7996'-8096'					YES		
	AND OTHER LOGS RUN on, Compensated Gam		tron, Temperature, Ultra	Sonic Gas Detector	and CBL	27 WAS WELL COR No	ED	
28 CASING REPORT	(Report all strings set in we	11)				L		
	SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN		AMOUNT PULLED	
	'4", J-55	40.5#	322'	14-3/4"	290 SX - S			
7-5/8", K-55		26 4#	3853'	9-7/8"	585 SX – SI	URFACE	_	
5-1/2", N-80		17 0#	8114'	6-3/4"	355 SX – 35	00' (CBL)		
	· · · · · · · · · · · · · · · · · · ·							
29 LINER RECORD					30 TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2.375", 4 7#, J-55	7978'	PACKER SET (MD) none	
					& N-80EUE 8rd	7576	none	
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE,	ETC UNT AND KIND OF MA	TEDIAL USED	
Dakota: Total o	f 63, 0 34" holes /			(MD)	AMO	UNI AND KIND OF MA	TERIAL USED	
					Emport west 5272# 16	00 mach DASE falls	owed with 87,518# 40/70	
				7996'-8096'	mesh BASF		,	
						KUVDI	10V 13'09	
						Care Care	JNS. DIV.	
33 PRODUCTION	Commingled with	MV & MC per AZT-	3254 NSL-6015		I	ก		
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	s lift, pumping-size and typ	e of pump)		US (PRODUCING OR SI)	
			Flow	ing /		SI – v	vaiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
11-2-09	2 hr	1/2"	PERIOD					
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)	
0					431 mcf/d			
	300 lb		İ	•	`			
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc) non flaring	····			TEST WITNESSED B	Y Weldon Higgins	
35 LIST OF ATTACH	MENTS SUM!	MARY OF POROUS ZO	NES, WELLBORE DIAGE	RAM, Directional EOW	report		EOD DECODD	
36. I hereby certify tha	the foregoing and attached	information is complete and	correct as determined from all av	adable records		- 100ETE	37-01(11 <u>2-00)</u>	

TITLE Drlg COM DATE 11-6-09

NMOCD 66

SUMMARY OF POROUS 20 cushion used, time tool open,	ONES (Show all important zone flowing and shut-in pressures, a	es of porosity and contents thereof, and recoveries)	, cored intervals, and all drill-stern, to	ests, including depth interval tested,	38 GEOLOGIC MARKE	MARKERS		
FORMATION	ТОР	воттом	DESCRIPTION,	CONTENTS, ETC	NAME	T	TOP	
İ			·	, 		NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						LEWIS	3378'	3640'
						CLIFFHOUSE	5495'	5356'
	,					POINT LOOKOUT	5810'	5671'
						MANCOS	6262'	6123'
						GRANEROS	7869'	7730'
						DAKOTA	7995'	7856'
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In Lieu of Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE FORM APPROVED OMB NO 1004-0137

(See other instructions on

Expires: February 28, 1995

				r	everse side)	P .	ation and lease no. NMSF-078766	
						6 IF INDIAN,ALLC	OTTEE OR	
	WELL COMPL	ETION OR RE	COMPLETION R	EPORT AND L	OG*	a in the language		
1a TYPE	OF WELL. I OIL WELL	X GAS WELL	DRY OTHER			7 UNIT AGREEME	Rosa Unit	
b TYPE	OF COMPLETION: VEW WELL WORK	_	UG BACK DIFF RESVR	OTHER	ECEIVET) Namaa	- 74407A·MV	
	OF OPERATOR	STER DEDIEN 12	OG BAICK BAIL KESTI	OTHER	and the comment total	8 FARM OR LEASE		
Z. IVAIVIE	OF OF EKATOR	WILLIAMS PRO	DUCTION COMPANY	y N	OV 0 5 2009	1	osa Unit #160D	
3. ADDR	ESS AND TELEPHONE N	0			0, 0 4 5003	9 API WELL NO.		
		PO. Box 640,	Aztec, NM 87410 (505	6) 634-4208 E	of Land Managem	30-0	39-30689 -00C3	
4. LOCA	ATION OF WELL (R	Report location clearly	and in accordance with	any State requiremen	ts)*الكارة الكارة الكارة (ts)	10. FIELD AND	POOL, OR WILDCAT	
At to		1400' FWL, sec 25, T reported below: 631'	31N, R6W FSL & 679' FWL, sec 2	25, T31N, R6W		-	anco Mesaverde	
						11. SEC , T ,R ,M , C SURVEY OR AI		
							25, T31N, R6W	
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13. STATE New Mexico	
15 DATE	16 DATE T D	17 DATE COMPLETE	D (READY TO PRODUCE)	18 ELEVATIONS (DV	PKB BI CD ETC.)*	Rio Arriba		
SPUDDED 8-9-09	REACHED 8-20-09	1:	1-5-09	I .		19 ELEVATION CASINGREAD		
	/ 7976' TVD	21 PLUG, BACK T.D., 8107' MD / 7968'	TVD	CE) 18 ELEVATIONS (DK, RKB, RT,GR,ETC)* 19 ELEVATION CASINGHEAD 6392' GR 22 IF MULTCOMP., HOW MANY DRILLED BY X 3 * CABLE TOOLS CABLE TOOLS				
	ERVAL(S), OF THIS CON	i	NAL SURVEY MADE					
	SAVERDE 5520'- AND OTHER LOGS RUN						PED	
			tron, Temperature, Ultra	Sonic Gas Detector	and CBL		ŒБ	
	(Report all strings set in we					<u> </u>		
	IZE/GRADE.	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN	MENTING RECORD	AMOUNT PULLED	
10-3/4", J-55 40.5# 322'				14-3/4"	290 SX - SI	URFACE		
7-5/8	", K-55	26.4#	3853'	9-7/8"	585 SX – SU	JRFACE		
5-1/2	", N-80	17.0#	8114'	6-3/4"	355 SX – 350	00' (CBL)		
29 LINER RECORD				L	30 TUBING RECORD		<u></u>	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD) 7978'	PACKER SET (MD)	
					2.375", 4 7#, J-55 & N-80EUE 8rd	7970	none	
31 PERFORATION R	ECORD (Interval, size, and	number)			TURE, CEMENT SQUEEZE,	ETC INT AND KIND OF MA	CENTAL HOED	
				DEPTH INTERVAL (MD)	AMOL	INT AND KIND OF MA	TERIAL USED	
Upper MV: Tota	l of 53, 0 34" holes	-		5520'-5732'	Fraced with 86,481#			
Lower MV: Tota	l of 68, 0 34" holes			5762'-6032'	Fraced with 80,808#		ONS. DIV. IST. 3	
33 PRODUCTION	Commingled with	MC & DK per AZT-	3254 NSL-6015	5				
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	as lift, pumping-size and type	e of pump)	WELL STAT	TUS (PRODUCING OR SI)	
			Flow	'mg		SI	waiting on tie-in	
DATE OF TEST	TESTED	· CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
11-2-09	2 hr	1/2"	PERIOD					
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR)	
0	300 lb				701 mcf/d			
24 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented etc.) non-floring				TEST WITNESSED B	V. Weldon Higgins	
35 LIST OF ATTACH			ONES, WELLBORE DIAG	RAM. Directional FOW	report	ILSI WIINESSED B		
J. DIGI OI MIINCII		0 0110000 210	,	, Disolitina LOW		H		

_ TITLE <u>Drlg COM</u> DATE <u>11-6-09</u>

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

NOV 1 2 2009

NMOCD #

FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC		NAME	ТОР			
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPT	
		,		,		LEWIS	3378'	3640'	
						CLIFFHOUSE	5495'	5356'	
						POINT LOOKOUT	5810'	5671'	
						MANCOS	6262'	6123'	
						GRANEROS	7869'	7730'	
						DAKOTA	7995'	7856'	
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In Lieu of Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

(See other instructions on

				'n	everse side)		ATION AND LEASE NO IMSF-078766
				<u>-</u>		6 IF INDIAN,ALLO	
	WELL COMPL	ETION OR RE	COMPLETION R				
la. TYPE	OF WELL FOIL WELL	. X GAS WELL	DRY OTHER	[5).T	CEIVEL	7 UNIT AGREEME	Rosa Unit
	OF COMPLETION	<u> </u>	DAT OTHER	n 77.5	CEMEN	٠.	1 1
<u>X</u> N	IEW WELL WORK	OVER DEEPEN PL	UG BACK DIFF RESVR	OTHER	منا ويمنا	Report	to lease
2 NAME	OF OPERATOR			N(OV 0 3 2009	8 FARM OR LEASE	NAME, WELL NO
			DUCTION COMPANY	و و سرمه المرح	_		sa Unit #160D
3 ADDR	ESS AND TELEPHONE N			Famin	Biou Ejoid Oderner	9. API WELL NO	9-30689 -006 2
4. LOCA	ATION OF WELL (R		Aztec, NM 87410 (505 and in accordance with	/			POOL, OR WILDCAT
	`	400' FWL, sec 25, T		any state requirement	ω)	i	asin Mancos
		reported below: 631'	FSL & 679' FWL, sec 2	5, T31N, R6W			
At tota	al depth: Same					11 SEC, T,R,M,O	R BLOCK AND
						SURVEY OR AR	
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	5, T31N, R6W 13. STATE
		I			<u></u>	Rio Arriba	New Mexico
15 DATE SPUDDED	16 DATE T D REACHED		D (READY TO PRODUCE) 1-5-09	18 ELEVATIONS (DK	, ккв, кт,gr,етс)* 92° GR	19 ELEVATION CAS	SINGHEAD
8-9-09	8-20-09						
20 TOTAL DEPTH, N 8115' MD	MD & TVD / 7 976 ' TVD	21 PLUG, BACK T.D., 8107' MD / 7968'		22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS
	7.77		M, NAME (MD AND TVD)*		<u> </u>	25 WAS DIRECTION	IAL SURVEY MADE
	COS 7012'-7388' AND OTHER LOGS RUN					YES 27 WAS WELL COR	ED
Aray Inductio	n, Compensated Gam	nma Ray-Density-Neu	tron, Temperature, Ultra	Sonic Gas Detector	and CBL	No	
	(Report all strings set in wel	l) WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM	MENTING RECORD	AMOUNT PULLED
10-3/-		40.5#	322'	14-3/4"	290 SX - SI		
7-5/8	", K-55	26.4#	3853'	9-7/8"	585 SX – SU	JRFACE	
5-1/2", N-80		17.0#	8114'	6-3/4"	355 SX – 350	00' (CBL)	
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	2.375", 4 7#, J-55	7978'	none
21 DEDEORATION D	ECORD (Interval, size, and			22 ACID FUOT EDAC	& N-80EUE 8rd TURE, CEMENT SQUEEZE,	ETC	
31 PERFORATION R	ECORD (miervai, size, and	number)		DEPTH INTERVAL (MD)		INT AND KIND OF MA	FERIAL USED
<u>Upper MC:</u> Tota	al of 66, 0.34" holes			7012'-7208'	Fraced with 6933# 10 mesh BASF	00 mesh BASF follo RCVD N	oved with 124,962# 40/70 10V 13 '09
Lower MC Tota	d of 63, 0 34" holes			7267'-7388'	Fraced with 5232# 10 mesh BASF		owed with 122,249# 40/70 ONS. DIV.
33 PRODUCTION	Commingled with	MV & DK per AZT-3	3254 NSL-6015			and the second	ST. 3
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	s lift, pumping-size and type	of pump)	WELL STAT	US (PRODUCING OR SI)
			Flow	ing /		SI – v	vaiting on tie-in
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO
11-2-09	2 hr	1/2"	PERIOD				•
FLOW TBG PRESS	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	300 lb				665 mcf/d		
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc) non flaring				TEST WITNESSED BY	Y Weldon Higgins
35 LIST OF ATTACH	MENTS SUMM	MARY OF POROUS ZO	NES, WELLBORE DIAGE	RAM, Directional EOW	report	Accom	ED FOR RECORD
36 I hereby certify that	the foregoing and attached	information is complete and	correct as determined from all av	adable records		- ALLEPI	COLOR RETARD
SIGNED	my	tregin	TITLE <u>I</u>	Orlg COM DATE	11-6-09	B.JA	1 2 2009

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FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC		NAME		TOP	1
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPT
		-				LEWIS	3378'	3640'
						CLIFFHOUSE	5495'	5356'
						POINT LOOKOUT	5810'	5671'
						MANCOS	6262'	6123'
						GRANEROS	7869'	7730'
						DAKOTA	7995'	7856'
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