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

				re	verse side)	I .	ATION AND LEASE NO.
····				<u> </u>		6 IF INDIAN,ALLO	
	VELL COMPLI	ETION OR REC	COMPLETION R				TT 115
la ТҮРЕ О	F WELL FOIL WELL	X GAS WELL	DRY OTHER	[.7]	(Cal V 131)	7. UNIT AGREEMEN	Rosa Unit
	F COMPLETION EW WELL WORKO	VER DEEPEN PLU	G BACK DIFF RESVR	OTHER	CT 0 9 2009	NMMM-	VM-47048F
2 NAME	OF OPERATOR			U	101 00 2000	8 FARM OR LEASE	NAME, WELL NO
		WILLIAMS PRO	DUCTION COMPANY	1.2	* " The mis channer	Ro	sa Unit #005D
3 ADDRE	SS AND TELEPHONE NO)		. Fa-	- 12. Lug-2	9 API WELL NO	
			Aztec, NM 87410 (505				9-30780-00C3
		•	and in accordance with a	any State requirement	s)*		POOL, OR WILDCAT
At top		75' FEL, sec 26, T31 eported below: 2095	N, R6W FNL & 1821' FEL, sec	26. T31N, R6W			nco Mesaverde
						SURVEY OR AR Sec 2	
				14 PERMIT NO	DATE ISSUED	12. COUNTY OR Rio Arriba	13. STATE New Mexico
15 DATE SPUDDED 7-24-09	DDDED REACHED 10/6/09 4-09 8-5-09				, RKB, RT,GR,ETC)* 8' GR	19 ELEVATION CAS	SINGHEAD
20 TOTAL DEPTH, N 8179' MD	ID & TVD / 7933`,TVD	21 PLUG, BACK T.D., 8172' MD / 7926'		22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS x	CABLE TOOLS
			M, NAME (MD AND TVD)*	<u> </u>		25 WAS DIRECTION	NAL SURVEY MADE
	SAVERDE: 5572'- AND OTHER LOGS RUN	- 6094' MD				YES 27. WAS WELL COR	ED.
		ma Ray-Density-Neu	tron, Temperature, Ultra	Sonic Gas Detector	and CBL	No No	ED
	(Report all strings set in well IZE/GRADE	l) WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	10P OF CEMENT. CEM	TENTING BECORD	AMOUNT PULLED
	I", J-55	40.5#	312'	14-3/4"	290 SX - SI		AMOUNT PULLED
7-5/8	`, K-55	26.4# 3881'		9-7/8"	595 SX – SI	URFACE	
	', N-80	17.0#	8179	6-3/4"	355 SX - 34'		
J-1/2	, 14-80	17.0#		0-3/4	333 37 - 34	70 (CBL)	
			*	<u> </u>			
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4.7#, J-55 and N-80 EUE 8rd	8122	none
31 PERFORATION RI	ECORD (Interval, size, and	number)			TURE, CEMENT SQUEEZE,		
				DEPTH INTERVAL (MD)	AMOU	UNT AND KIND OF MA	TERIAL USED
<u>Upper MV.</u> (43, 0	•			5572'-5678'	Frac with 62,023# 20	0/40 mesh BASF RCVD	007 15 '09
<u>Lower MV</u> : (67, 0	0.34" holes)			5818'-6094'	Frac with 78,255# 20	0/40 mesh BASF	COMS. DIV.
33 PRODUCTION *To	be commingled with the N	IC & DK per AZT 3240		<u> </u>	,		215.3
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, g	as lift, pumping-size and typ	e of pump)	WELL STAT	TUS (PRODUCING OR SI)
	:		Flov	ving 🗸		S1 - 1	waiting on tie-in
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL.	GAS-OIL RATIO
10/5/09	2 hr	24/64"	PERIOD				
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	0				420 mcf/d √		
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc.) TO BE SOLD		1	1	TEST WITNESSED B	Y Weldon Higgins
35. LIST OF ATTACH	MENTS SUM	MARY OF POROUS ZO	ONES, WELLBORE DIAG	RAM, Directional EOW	report		
36 I hereby certify that	the foregoing and attacked	information is complete and	correct as determined from all a	available records		ACCEPTE	DHOKHECUKU
SIGNED	White	ille	TITLE	Regulatory Specialist	DATE <u>10-8-09</u>	000	4 3 0000

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OCT 1 3 2009

FORMATION	ТОР	воттом	DESCRIPTION,	CONTENTS, ETC	NAME		тор	
						NAME	MEASURED DEPTH	TRUE VERTICAL DEP
						PICTURED CLIFFS	3383	3140'
`						LEWIS	3718	3472`
						CLIFFHOUSE	5562	5316`
						MENEFEE	5613	5367
				,		POINT LOOKOUT	5817	5571'
						MANCOS	6336`	6090`
						DAKOTA	8028	7782
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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

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5	1	CACE	nce	ICMA	TION	AND	I E A	CE	

	_			\	verse side)	I .	TION AND LEASE NO. MSF-078771	
						6 IF INDIAN,ALLOT		
<u>v</u>	VELL COMPLE	ETION OR REC	OMPLETION RI				Imax and	
Ia TYPE O	F WELL F OIL WELL	X GAS WELL	DRY OTHER	<u> </u>		7 UNIT AGREEMEN	Rosa Unit	
	OF COMPLETION EW WELL WORKO	VER DEEPEN PLU	G BACK DIFF.RESVR	OTHER	OCT 09 2009	Report +	o lease	
2 NAME (OF OPERATOR	WILLIAMS BDO	DUCTION COMPANY	, Eigen	contination .	8 FARM OR LEASE I		
3 ADDRE	SS AND TELEPHONE NO		DUCTION COMPANY	. []	<u>employing Tight as</u>	9 API WELL NO	sa Unit #005D	
, ADDRE	SO MINO PEDEL HONE NO		ztec, NM 87410 (505)	634.4208		Į.	9-30780 - 00 CZ	
4 LOCA	TION OF WELL (Re		and in accordance with a		s)*		POOL, OR WILDCAT	
At top		75' FEL, sec 26, T31' eported below · 2095'	N, R6W FNL & 1821' FEL, sec	26, T31N, R6W			asın Mancos	
					-	SURVEY OR AR		
,				14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13 STATE New Mexico	
SPUDDED 7-24-09	16. DATE T D REACHED 8-5-09		(READY TO PRODUCE) /6/09	18 ELEVATIONS (DK. 631	RKB. RT.GR.ETC)* 8' GR	19. ELEVATION CAS	SINGHEAD	
20 TOTAL DEPTH, M 8179' MD	ID & TVD / 7933' TVD	21 PLUG, BACK T.D. N 8172' MD / 7926'	MD & TVD FVD	22. IF MULTCOMP , HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS x	CABLE TOOLS	
			I, NAME (MD AND TVD)*		<u> </u>	25. WAS DIRECTION	IAL SURVEY MADE	
BASIN MANO	OS: 6992' – 7463' AND OTHER LOGS RUN	MD				YES 27 WAS WELL COR	ÉD.	
		ma Ray-Density-Neut	ron, Temperature, Ultra	Sonic Gas Detector	and CBL 🗸	No		
	(Report all strings set in wel	I) WEIGHT, LB/FT	DEPTH SET (MD)	T doings	T mon on on one			
CASING SIZE/GRADE 10-3/4", J-55		40.5# 312'		HOLE SIZE	TOP OF CEMENT, CEM 290 SX - SU		AMOUNT PULLED	
	', K-55	26.4#	3881'	9-7/8"	595 SX – SU			
5-1/2	', N-80	17.0#	8179'	6-3/4"	355 SX - 347	70' (CBL)		
				ļ				
29 LINER RECORD			·····	<u> </u>	30 TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2.375", 4 7#, J-55	DEPTH SET (MD) 8122	PACKER SET (MD) none	
31 PERFORATION R	ECORD (Interval, size, and	number)	- <u></u>	32 ACID, SHOT, FRAC	and N-80 EUE 8rd TURE, CEMENT SQUEEZE,	ETC	L	
		,		DEPTH INTERVAL (MD)		JNT AND KIND OF MA	TERIAL USED	
Upper Mancos (51, 0.34" holes)			6992'-7180'	Frac with 5102# 100 BASF	00 mesh BASF followed with 136,223# 40/70		
Lower Mancos: (4	48, 0.34" holes)			7289'-7463'	Frac with 5431# 100 mesh BASF followed with 130,001# 40/70 BASF			
33 PRODUCTION *To	be commingled with the M	IV & DK per AZT 3240				#TA WE	MIC DIN	
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, g	as lift pumping-size and type	e of pump)		'US (PRODUCING OR SI)	
				ving √		SI – v	valting on tie-in	
DATE OF TEST 10/5/09	TESTED 2 hr	CHOKE SIZE 24/64"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
FLOW TBG PRESS 0	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL ~ BBL	GAS – MCF 399 mcf/d √	WATER - BBL	OIL GRAVITY-API (CÔRR)	
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc.) TO BE SOLD				TEST WITNESSED B	Y Weldon Higgins	
35 LIST OF ATTACH	MENTS SUM	MARY OF POROUS ZO	NES, WELLBORE DIAG	RAM, Directional EOW	report			
36 I hereby certify that	tha foregoing and attached	information is complete and	correct as determined from all a	vailable records	,	ACCEPTED	FOR RECORD	
CICNED III	$\mathcal{M}_{\mathcal{H}}$	1 V 101	TITLE	Regulatory Specialist	DATE 10.000			

MINUCO NO V

OCT 1 3 2009

37 SUMMARY OF POROUS Zo cushion used, time tool open,	ONES (Show all important zor, flowing and shut-in pressures,	nes of porosity and contents thereo and recoveries)	cored intervals, and all drill-stem, tests, including depth inter-	al tested 38 GEOLOGIC MARKE	RS.			
FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS ETC	NAME		ТОР		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH	
		,			PICTURED CLIFFS	3383	3140'	
					LEWIS	3718	3472`	
				?	CLIFFHOUSE	5562`	5316	
					MENEFEE	5613	5367	
					POINT LOOKOUT	5817	5571	
					MANCOS	6336-	6090'	
					DAKOTA	8028	7782	
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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

5	LEASE DESIGNATION AND LEASE N
	NMSF-078771

	В	UREAU OF LAN	ND MANAGEMEN	(ee other instructions on verse side)	N	tion and lease no. MSF-078771	
v	VELL COMPLI	ETION OR REC	OMPLETION R	EPORT AND LO	OG*	6 IF INDIAN,ALLO		
	OF WELL COIL WELL	X GAS WELL	DRY OTHER		ZIVED	7 UNIT AGREEMEN	IT NAME Rosa Unit	
<u>X</u> N	EW WELL WORKO	VER DEEPEN PLU	G BACK DIFF RESVR	OTHER		Report +	o case	
	OF OPERATOR		DUCTION COMPANY	, 	0 9 2009		NAME. WELL NO sa Unit #005D	
	ESS AND TELEPHONE NO	P.O. Box 640, A	ztec, NM 87410 (505) 634-4208 Farming	ion Field Office	/ MIT WEELE NO	9-30780 -00C 1	
At Sur At top	rface. 1485° FNL & 7	eport location clearly a life. T5' FEL, sec 26, T311	nd in accordance with a	iny State requirement	s)*		POOL, OR WILDCAT	
					_	SURVEY OR AR	EA	
					DATE ISSUED	Sec 2	6, T31N, R6W	
				14 PERMIT NO	DATEISSUED	Rio Arriba	13 STATE New Mexico	
5 DATE 16 DATE T.D 17 DATE COMPLETED (READY TO PRODUCE) 18 ELEVATIONS (DK, RKB, RT GR, ETC.)* SPUDDED REACHED 10/6/09 6318' GR 6318' GR						19 ELEVATION CAS	SINGHEAD	
20 TOTAL DEPTH, N 8179' MD	MD & TVD / 7933` TVD	21 PLUG. BACK T.D., N 8172' MD / 7926' T		22 IF MULTCOMP. HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS	
	ERVAL(S), OF THIS COM OTA: 8028' - 8160'	25 WAS DIRECTION YES	JAL SURVEY MADE					
•	AND OTHER LOGS RUN n, Compensated Gam	ma Ray-Density-Neut	ron, Temperature, Ultra	Sonic Gas Detector	and CBL	27 WAS WELL COR No	ED	
	(Report all strings set in wel		DEPTH OFT (MD)	I HOLD OFF	Top or occurr on	ISVENIG BECOND		
	IZE/GRADE 4", J-55	WEIGHT, LB/FT 40.5#	DEPTH SET (MD) 312'	HOLE SIZE 14-3/4"	TOP OF CEMENT, CEM 290 SX - SI		AMOUNT PULLED	
	". K-55	26.4#	3881`	9-7/8"	595 SX – SI			
5-1/2	", N-80	17.0#	8179`	6-3/4"	355 SX – 34	70' (CBL)		
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)	
					2.375", 4.7#, J-55 and N-80 EUE 8rd	8122'	none	
31. PERFORATION R Dakota: Total of	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL (MD)	TURE, CEMENT SQUEEZE, AMOU	ETC UNT AND KIND OF MA	TERIAL USED	
<u>punous</u> rous of	, , o,			8028'-8160`	Fraced with 5,144# 100 mesh BASF followed with 60,819# 40/70 mesh BASF RCVD DCT 15 '09			
						Taxes	ONS. DIV.	
33.PRODUCTION *T	o be commingled with the M	IV & MC per AZT 3240				Ž.	15T. 9	
DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing.					e of pump)	WELL STAT	vaiting on tie-in ✓	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
10/5/09	2 hr	24/64"	PERIOD	0.0 000	5.5		OND OIL WITTE	
FLOW TBG PRESS	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL – BBL	GAS – MCF 259 mcf/d ✓	WATER - BBL	OIL GRAVITY-API (CORR)	
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc) TO BE SOLD		· · · · · · · · · · · · · · · · · · ·		TEST WITNESSED B	Y Weldon Higgins	
35 LIST OF ATTACH	MENTS SUM	MARY OF POROUS ZO	NES, WELLBORE DIAG	RAM, Directional EOW	report		0.505.05000	
36. I hereby certally ha	t in foregoing and attacked	information is complete and o	correct as determined from all a	vailable records	DATE 10.8.00	ACCEPTE	DTOKISCOIN	

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OCT 1 3 2009

FARMINIOTON FIELD OFFICE BY TL Salvers

7 SUMMARY OF POROUS 2 cushion used, time tool open	ONES (Show all important zoon, flowing and shut-in pressures,	nes of porosity and contents thereo and recoveries)	of, cored intervals, and all drill-stem, tests	including depth interval tested,	38 GEOLOGIC MARKER	S			
FORMATION	ТОР	воттом	DESCRIPTION, CO	NTENTS, ETC	NAME	TOP			
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH	
		,				PICTURED CLIFFS	3383.	3140	
						LEWIS	3718°	3472	
	,					CLIFFHOUSE	5562	5316	
						MENEFEE	5613	5367	
						POINT LOOKOUT	5817'	5571	
						MANCOS	6336`	6090.	
						DAKOTA	8028	7782`	
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