In Lieu of Form 3160-(July 1992)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE

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

	BUREAU OF LAND MANAGEMENT (See other instructions on reverse side)						5. LEASE DESIGNATION AND LEASE NO. NMSF-078766		
	WELL COMPL	ETION OD DE	COMPLETION R	PEDODT AND I	. OC*	6. IF INDIAN,ALLO	OTTEE OR		
<del></del>	WELL COMIT	ETION OR RE	COMPLETION			7. UNIT AGREEM	ENT NAME		
	OF WELL   COIL WELI	L X GAS WELL	DRY OTHER	RE	CEIVED		Rosa Unit		
	OF COMPLETION  NEW WELL WORK	OVER DEEPEN PL	UG BACK DIFF RESVR			Report	to lease		
2. NAM	E OF OPERATOR			NU	)V <b>20</b> 2009	8 FARM OR LEASE	E NAME, WELL NO		
		WILLIAMS PRO	DUCTION COMPANY	Y	a Jakonageme	R.	osa Unit #165D		
3 ADDI	RESS AND TELEPHONE N	TO .		Poss	of Land Manageme Ington Field Omeo	9. API WELL NO			
		PO. Box 640,	Aztec, NM 87410 (505	हें) 634-4208	III MATORIE - TIME	30-0	39-30690 <b>~ ooca</b>		
4. LOC	ATION OF WELL (R	Report location clearly	and in accordance with	any State requirement	nts)*		POOL, OR WILDCAT		
At to		1635' FWL, sec 25, 7 reported below: 737'	'31N, R6W FNL & 1039' FWL, sec	: 25, T31N, R6W			Basin Mancos		
							11 SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 25, T31N, R6W		
				14 PERMIT NO.	DATE ISSUED	12 COUNTY OR	13. STATE		
	L 16 DATE TO	T 12 DATE COLON FOR	D (DELEUTE DE CENTER)			Rio Arriba	New Mexico		
15 DATE SPUDDED	16 DATE T D REACHED		D (READY TO PRODUCE) -19-09	1	K, RKB, RT,GR,ETC)*	19 ELEVATION CA			
9-14-09	9-25-09	, , ,	-19-09	04	03' GR	RCV	D DEC 1'09		
20 TOTAL DEPTH, MD & TVD 8136' MD / 8019' TVD 8120' MD / 8003' TVD				22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS		
24 PRODUCING IN	TERVAL(S), OF THIS CON	APLETION - TOP, BOTTO	M, NAME (MD AND TVD)*	· · · · · · · · · · · · · · · · · · ·		25 WAS DIRECTIO	NAL SURVEY MADE		
	COS: 6960'-7440'	er AZT-3269		DIST. R					
	CAND OTHER LOGS RUN on, Compensated Gan	27. WAS WELL COP	RED .						
<u> </u>	•		aton, Olda Bonic Gas Di	etector and CDE					
	`(Report all strings set in we SIZE/GRADE	ll) WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEI	MENTING RECORD	AMOUNT PULLED		
	⁄4", J-55	40.5#	317'	14-3/4"	290 SX - S		THAT OF THE LEE		
7-5/8	3", K-55	26.4#	3850'	9-7/8"	595 SX – S	URFACE			
	4-1/2", N-80 11.6.0#		8123'	6-3/4"	580 SX -31:				
	. , 11 00	11.0.0#	0123	0-5/4	360 3X -31.				
20 I DIED DECORD	· · · · · · · · · · · · · · · · · · ·				40 60 000				
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MID)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)		
					2.375", 4 7#, N-80	8025'	none		
31 PERFORATION F	RECORD (Interval, size, and	number)		22 ACID SHOT EDAG	EUE 8rd CTURE, CEMENT SQUEEZE,	ETIC			
31 TERCORATION I	CCOICO (IIICIVAI, SIZC, AIG	numocij		DEPTH INTERVAL		MENT SQUEEZE, ETC  AMOUNT AND KIND OF MATERIAL USED			
				(MD)	1				
<i>Upper MC</i> ∙ Tota	al of 75, 0 34" holes			6960'-7200'	Fraced with 5089# 10 mesh BASF	00 mesh BASF foll	owed with 110,678# 40/70		
<i>Lower MC</i> : Tota	al of 69, 0.34" holes		,	7270'-7440'	Fraced with 4984# 10 mesh BASF	00 mesh BASF followed with 99,817# 40/70			
33 PRODUCTION									
DATE OF FIRS	T PRODUCTION	WELL STAT	TUS (PRODUCING OR SI)						
			Flow	ino 🖊		SI 1	waiting on tie-in		
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF				
11-18-09	2 hr	1/2"	PERIOD PERIOD	OIL - BBL	UMS - MCF	WATER - BBL	GAS-OIL RATIO		
LOW TBG PRESS	CASING PRESSURE	CALCULATER	24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OH CRAVITY ARI (CORE)		
0	270 lb	CALCULATEL	27-HOUR RATE	OIL - BBL	598 mcf/d -	WATEK - BBL	OIL GRAVITY-API (CORR)		
4 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc.) TO BE SOLD				TEST WITNESSED B	Y Weldon Higgins		
5 LIST OF ATTACH	····		NES, WELLBORE DIAGR	RAM.		[ Table   Decision   D	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM		
						I ACC	COTTO FOR DECOME		

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FORMATION	тор воттом		DESCRIPTION,	DESCRIPTION, CONTENTS, ETC		ТОР			
					NAME	NAME	MEASURED DEPTH	TRUE VERTICAL DEP	
						LEWIS	3756'	3640'	
						CLIFFHOUSE	5528'	5411'	
						POINT LOOKOUT	5799'	5682'	
						MANCOS	6261'	6144'	
				-		GRANEROS	7889'	7772'	
						DAKOTA	8018'	7901'	
			-						
							1		

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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** 

OMB NO. 1004-0137

FORM APPROVED

(See other instructions on

Expires: February 28, 1995

				reverse side)		ATION AND LEASE NO. IMSF-0787 <u>66</u>	
			-		6. IF INDIAN,ALLO	TTEE OR	
V	VELL COMPL						
TYPE (	OF WELL. FOIL WELL	X GAS WELL DRY OTHER	7 UNIT AGREEMENT NAME  Rosa Unit				
	OF COMPLETION. IEW WELL WORKO	OVER DEEPEN PLUG BACK DIFF RESVR	OTHER NO	/ 2 0 2009	NMNM-	7840 7B - DK	
NAME	OF OPERATOR		,,,,,	\$ 0 L00J	8.FARM OR LEASE	NAME, WELL NO	
		WILLIAMS PRODUCTION COMPANY	Bureau of L	and Management	Rosa Unit #165D		
ADDRE	SS AND TELEPHONE N	0.		on Field Office	9. API WELL NO		
		PO Box 640, Aztec, NM 87410 (505	) 634-4208		30-039-30690 <b>-00cs</b>		
LOCA	TION OF WELL (R	eport location clearly and in accordance with	any State requiremen	nts)*	10. FIELD AND POOL, OR WILDCAT		
At top	rface: 1280' FNL & I production interval r Il depth, Same	F	Basin Dakota				
	•	11 SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 25, T31N, R6W					
			14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13 STATE New Mexico	
	16 DATE T.D	17 DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (D	K, RKB, RT,GR,ETC)*	19. ELEVATION CA	SINGHEAD	
ED	REACHED	11-19-09	l 64	03' GR	1		

15 DATE	16 DATE T.D	17 DATE COMPLETED (READY TO PRODUCE) 18. ELEVATIONS (DK, RKB, RT,GR,ETC )*		19. ELEVATION CA	SINGHEAD		
SPUDDED 9-14-09	9-25-09	11-19-09 6403' GR			3' GR		
20 TOTAL DEPTH, N	•	21 PLUG, BACK T D.,		22 IF MULTCOMP.,	23. INTERVALS	ROTARY TOOLS	CABLE TOOLS
8136' MD	8136' MD / 8019' TVD		TVD	HOW MANY 3 *	DRILLED BY	х	
24 PRODUCING INT	ERVAL(S), OF THIS COM	PLETION - TOP, BOTTON	M, NAME (MD AND TVD)*			25 WAS DIRECTION	NAL SURVEY MADE
BASIN DAKO	OTA 8018'-8118'	MD	Commingled with Mes	averde and Mancos pe	r AZT-3269	YES	
26 TYPE ELECTRIC	AND OTHER LOGS RUN					27. WAS WELL COR	ED
Aray Induction	n, Compensated Gam	ma Ray-Density-Neu	tron, Ultra Sonic Gas D	etector and CBL		No	
28.CASING REPORT	(Report all strings set in wel	1)				<u> </u>	
CASING S	IZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CE	MENTING RECORD	AMOUNT PULLED
10-3/4	4", J-55	40.5#	317'	14-3/4"	290 SX - SURFACE		
7 5 101	7 TV EE	26.4#	20501	0.7/02	505.01/. (0)	IDEACE	

10-3/4", J-55		40.5#	317'	14-3/4"	290 SX - SURFACE		
7-5/8", K-55		26 4#	3850'	9-7/8"	595 SX – SURFACE		
4-1/2", N-80		11.6.9#	8123'	6-3/4"	580 SX315	50' (CBL)	
29 LINER RECORD					30 TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4 7#, N-80	8025'	none
					EUE 8rd		
31 PERFORATION P	RECORD (Interval, size, and	d number)		32 ACID, SHOT, FRAC	TURE, CEMENT SQUEEZE,	ETC.	
Dakota: Total o	f 66, 0 34" holes			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
	,			8018'-8118'	Fraced with 5681# 100 mesh BASF followed with 81,1 mesh BASF RCUD DEC 1'0		
					,	nn (	MS. DIV.

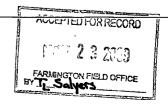
DATE OF FIRST PRODUCTION		PRODU	ICTION METHOD (Flowing, ga	s lift, pumping-size and typ	e of pump)	WELL STATUS (PRODUCING OR SI)		
			Flow	SI – waiting on tie-in -				
DATE OF TEST	TESTED 2 hr	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
LOW TBG PRESS	CASING PRESSURE 270 lb	CALCULATED 24-HOUR RATE		OIL - BBL	GAS – MCF 388 mcf/d	WATER - BBL	OIL GRAVITY-API (CORR)	

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM,

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

TITLE Drlg COM DATE 11-20-09

NMOCD W



DIST. 3

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FORMATION	ТОР	DP BOTTOM DESCRIPTION, CONTENTS, ETC.		NAME	TOP				
						NAME	MEASURED DEPTH	TRUE VERTICAL DEP	
			į			LEWIS	3756'	3640'	
						CLIFFHOUSE	5528'	5411'	
						POINT LOOKOUT	5799'	5682'	
						MANCOS	6261'	6144'	
						GRANEROS	7889'	7772'	
				-		DAKOTA	8018'	7901'	
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La Lieu of Form 3160-4 (July 1992)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE

FORM APPROVED

OMB NO 1004-0137 Expires February 28, 1995

<b>(</b> )		TTDD LTL OD T A		TOTAL		<del></del>	<del></del>	
		BUREAU OF LA	See other instructions on everse side)	5 LEASE DESIGNATION AND LEASE NO NMSF-078766				
	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	OG*	6 IF INDIAN,ALLO	TTEE OR	
		ETTON ON THE	JOHN ELECTION	ON ON THE B		7 UNIT AGREEME	NT NAME	
1a TYPE	OF WELL. I OIL WELL	. X GAS WELL	DRY OTHER		DEPART OF THE SAME	Į.	Rosa Unit	
ь түре	OF COMPLETION	CENED						
	VEW WELL WORK	VM-AFOP8F -MMN						
2. NAME	OF OPERATOR			NOV	<b>20</b> 2009	8.FARM OR LEASE	NAME, WELL NO	
		WILLIAMS PRO	DUCTION COMPANY		20 2003	Ro	osa Unit #165D	
3. ADDR	ESS AND TELEPHONE N	0	· · · · · · · · · · · · · · · · · · ·	Bureau of I	Land Manageman	9. API WELL NO		
		P O. Box 640.	Aztec, NM 87410 (505)	634-4208Farming	ton Field Office	30-03	39-30690 <b>-06c3</b>	
4. LOC.	ATION OF WELL (R		and in accordance with a				POOL, OR WILDCAT	
At St	rface: 1280' FNL &	1635' FWL, sec 25, T	31N, R6W	•		Bla	inco Mesaverde	
	•	reported below: 737'	FNL & 1039' FWL, sec	25, T31N, R6W				
At tot	al depth: Same					11. SEC , T ,R ,M., O	D DI OCK AND	
						SURVEY OR AR		
						Sec 2	5, T31N, R6W	
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE New Mexico	
15 DATE	16 DATE T.D	I 17 DATE COMPLETE	D (READY TO PRODUCE)	18 ELEVATIONS (DK	RKB RT GR FTC )*	Rio Arriba 19 ELEVATION CA		
SPUDDED	REACHED		-19-09		3' GR			
9-14-09	9-25-09						) DEC 1'09	
20 TOTAL DEPTH,	MD & TVD /8019' TVD	21 PLUG, BACK T.D., 8120' MD / 8003'		22 IF MULTCOMP., HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS ONS. DIV.	
		PLETION - TOP, BOTTO		25 WAS DIRECTION				
	ESAVERDE: 5534'-		IST 3					
	AND OTHER LOGS RUN	27 WAS WELL COR						
Aray Induction	n, Compensated Gan	ıma Ray-Density-Neu	tron, Ultra Sonic Gas De	tector and CBL		No		
28 CASING REPORT	(Report all strings set in we	<u>n</u>						
CASING S	IZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM		AMOUNT PULLED	
10-3/	4", J-55	40.5#	317'	14-3/4"	290 SX - SU	ЛГАСЕ		
7-5/8", K-55 26 4# 3850'			3850'	9-7/8"	595 SX – SU	URFACE		
4-1/2", N-80 11 6.0# 8123'			8123'	6-3/4"	580 SX -315	50' (CBL)		
<del></del>	<del></del>							
29 LINER RECORD					30 TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
					2 375", 4.7#, N-80 EUE 8rd	8025'	none	
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRACI	TURE, CEMENT SQUEEZE, 1	ETC		
				DEPTH INTERVAL (MD)	AMOU	NT AND KIND OF MA	TERIAL USED	
77 1477. T-1-	1 - £ 4 € 0 2 4 % h-l	_		5534'-5768'	Fraced with 78 828#	with 78,828# 20/40 mesh BASF		
Opper MV 10ta	l of 46, 0.34" holes		8# 20/40 mesn BASr					
Lower MV Tota	l of 47, 0 34" holes	-		5800'-6030'	Fraced with 90,983# 2	3# 20/40 mesh BASF		
33 PRODUCTION								
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, gar	s lift numning-size and time	of pump)	WELLSTAT	US (PRODUCING OR SI)	
Bill of this	i i koboo iio.	. or pump)						
			Flowi	ng /		_	vaiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
11-18-09	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 -	270 lb		İ		631 mcf/d -	ļ		
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	_ <del></del>				TEST WITNESSED B	Y. Weldon Higgins	
35 LIST OF ATTACH	MENTS. SUM!	MARY OF POROUS ZO	NES, WELLBORE DIAGR	AM,				

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

TITLE Drlg COM DATE 11-20-09

ACCEPTED FOR RECORD

37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, tune tool open, flowing and shut-in pressures, and recoveries) TOP воттом DESCRIPTION, CONTENTS, ETC. NAME FORMATION TOP MEASURED DEPTH NAME TRUE VERTICAL DEPTH LEWIS 3640' 3756' CLIFFHOUSE 5528' 5411' POINT LOOKOUT 5799' 5682' 6144' MANCOS 6261' GRANEROS 7889' 7772' DAKOTA 8018' 7901'