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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

(See other instructions on

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

				r	everse side)		ATION AND LEASE NO NMSF-078764	
		· · · · · · · · · · · · · · · · · · ·				6 IF INDIAN,ALLO		
<u>v</u>	VELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	.OG*			
1a. TYPE	OF WELL IT OIL WELL	<u>X</u> GAS WELL	DRY OTHER	RE	CEIVED	7 UNIT AGREEME	NT NAME Rosa Unit	
	OF COMPLETION IEW WELL WORKO	VER DEEPEN PL	UG BACK DIFF.RESVR	OTHER		Need (CA	
· · · · · · · · · · · · · · · · · · ·	OF OPERATOR	VER DELIEN I	OG BACK BIFF.RESVK	- O() 3 0 2009 	8 FARM OR LEASE		
Z. NAME	OF OPERATOR .	WILLIAMS PRO	DUCTION COMPANY	/		Do	osa Unit #183C	
3 ADDRE	ESS AND TELEPHONE NO		Decrior commit	<u> មាបម្រង</u> ា	<u>if Land Manageme</u> ngton Field Office	9 API WELL NO.	, sa om moso	
			Aztec, NM 87410 (505		udion Liein Omos		39-30764 -005 2	
4 LOCA	TION OF WELL (R		and in accordance with a		ts)*		POOL, OR WILDCAT	
	rface: 2330' FNL & 3	, ,	,			E	Basın Mancos	
	production interval r il depth: Same	eported below : Same				onin	MNU 9 '09	
At total	ir depuir. Same					11. SEC , T ,R.,M , O		
						SURVEY OR AF	rea 9, T31N, R5W	
				14. PERMIT NO	DATE ISSUED	12. COUNTY OR	13 STATE	
•			-,,,		<u> </u>	Rio Arriba	New Mexico	
15 DATE SPUDDED	16 DATE T D REACHED	1	O (READY TO PRODUCE) -29-09	18 ELEVATIONS (DK	c, rkb, rt,gr,etc)* 27' GR	19 ELEVATION CA	SINGHEAD	
8-24-09	9-2-09					720 20 20 20	:045.DIV.	
20 TOTAL DEPTH, N 80	1D & TVD	21 PLUG, BACK T.D., 8007' M.D.	MD & TVD	22 IF MULTCOMP, HOW MANY 3*	23 INTERVALS DRILLED BY	ROTARY TOOLS x	CABLE TOOLS	
	• • •		M, NAME (MD AND TVD)*			25 WAS DIRECTIONAL SURVEY MADE		
	S: 6864'-7260' MI AND OTHER LOGS RUN					No 27 WAS WELL COR	ED	
			nperature, Ultra Sonic G	as Detector and CBL		No		
	(Report all strings set in well IZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CE	MENTING RECORD	AMOUNT PULLED	
	F", J-55	40 5#	355'	14-3/4"	290 SX - S		7MACONT POLICE	
7-5/8	", J-55	26 4#	3681'	9-7/8"	570 SX – S	URFACE		
4-1/2	', N-80	11 6# 8007		6-3/4"	580 SX – 3085' (CBL)			
			8004					
29 LINER RECORD	•				30 TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2 375", 4 7#, J-55,	DEPTH SET (MD) 7980'	PACKER SET (MD) none	
				*	EUE 8rd	7,780	none	
31 PERFORATION RI	ECORD (Interval, size, and i	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE,	ETC UNT AND KIND OF MA	TERIAL USED	
				(MD)	Amo	ON AND KIND OF WA	TERRIE GOED	
Upper MC: Total	l of 60, 0.34" holes	•		6864'-7054'	Fraced with 5029# 1 mesh BASF	00 mesh BASF folk	owed with 99,520# 40/70	
r 160 m	al of 63, 0.34" holes	j	ļ		E-22 d with 5049# 1	00 mash DASE falls	owed with 96,357# 40/70	
Lower MC Tota	il of 63, 0.34" holes			7097'-7260'	mesh BASF	oo mesa basi lolk	wed with 90,537# 40/70	
33 PRODUCTION NO	OTE: commingled w	ith Mesaverde and Da	akota per AZT 3248		<u> </u>			
DATE OF FIRST			CTION METHOD (Flowing, ga	s lift, pumping-size and type		WELL STAT	US (PRODUCING OR SI)	
			Flow				vaiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS MCF	WATER - BBL	GAS-OIL RATIO	
10-28	2 hr	1/2"	PERIOD					
FLOW TBG PRESS	CASING PRESSURE	CALCIII ATED	24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)	
0	450 lb.	CALCOLATED	Z-FIOOKIGHTE	OIL BBL	997 mcf/d ✓	WATER - BBE	old didiviti 1-/li r (colde)	
24 DISPOSITION OF	GAS (Sold, used for fuel, ver	nted etc.) TO DE COID	,			TEST WITNESSED B	V Weldon Hugger	
35 LIST OF ATTACHN			NES, WELLBORE DIAGE	RAM		Particular de la constitución de		
			correct as determined from all av			8 ACCEPTE	D FOR RECORD	
					DATE 10-30-09	Am	0 4 2009	
SIGNED	my !	ngga	NMOC	Orilling COM	DATE 10-30-09	MOA	8	
Larry Hi	ggins '		IAMOL	W #6		FARMING	ON FIELD OFFICE	

FORMATION	TOP	TOP BOTTOM DESCRIPTION, CONTENTS, ETC.			NAME	TOP			
	TOP	BOTTOM	3000da 1101, 001122110, 210.		NAME	NAME	MEASURED DEPTH	TRUE VERTICAL DEPT	
						LEWIS	3590'		
						CLIFFHOUSE	5390'		
						POINT LOOKOUT	5646'		
						MANCOS	6114'	1	
			~			GRANEROS	7747'		
						DAKOTA	7881'		
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In 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

		SUREAU OF LA	ND MANAGEME.	,	(See other instructions on reverse side)]	ATION AND LEASE NO. NMSF-078764
,	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	∠OG*	6. IF INDIAN,ALLO	OTTEE OR
						7. UNIT AGREEM	
	OF WELL FOIL WELL	\underline{X} GAS WELL	DRY OTHER	REC	ENED		Rosa Unit
	OF COMPLETION. VEW WELL WORKS	OVER DEEPEN PLU	JG BACK DIFF RESVR			Needa	CA
2. NAME	OF OPERATOR		The state of the s		3 0 2009	8 FARM OR LEASE	NAME WELL NO
		WILLIAMS PRO	DUCTION COMPANY			1	osa Unit #183C
3 ADDR	ESS AND TELEPHONE N	0		ਲੈਂਗਵਰਚ ਹਾਂ ਵਿ	and ivianagement	9. API WELL NO	
		PO Box 640,	Aztec, NM 87410 (505) 634-4208 Farmingt	on Field Office	30-0	^{39-30764 -} Ooci
At St At to	urface 2330' FNL &	Report location clearly at 305' FEL, sec 19, T31 reported below Same	nd in accordance with a N, R5W	any State requiremen	ts)*		D POOL, OR WILDCAT Basin Dakota
						11. SEC, T,R,M, C SURVEY OR A	
						Sec	19, T31N, R5W
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE New Mexico
15 DATE	16 DATE T D	17 DATE COMPLETED	(READY TO PRODUCE)	18. ELEVATIONS (DK	C, RKB, RT,GR,ETC.)*	Rio Arriba 19 ELEVATION CA	
SPUDDED 8-24-09	REACHED 9-2-09		29-09	632	27' GR		
20. TOTAL DEPTH, 8	MD & TVD 010'	21. PLUG, BACK T.D., 1 8007' MD	MD & TVD	22 IF MULTCOMP., HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS
24 PRODUCING IN	TERVAL(S), OF THIS COM	MPLETION - TOP, BOTTON	f, NAME (MD AND TVD)*	3*		25. WAS DIRECTIO	NAL SURVEY MADE
	A: 7880'-8002' MI AND OTHER LOGS RUN					No	JED.
			perature, Ultra Sonic G	as Detector and CBL	,	27. WAS WELL COP	ŒD
	(Report all strings set in we						1
	SIZE/GRADE 4", J-55	WEIGHT, LB /FT 40.5#	DEPTH SET (MD) 355'	HOLE SIZE 14-3/4"	TOP OF CEMENT, CE 290 SX - S		AMOUNT PULLED
	3", J-55	26 4#	3681'	9-7/8"	570 SX – S		
	", N-80	11.6#		6-3/4"	580 SX - 30		
	- , 14-00	11.0#	8004.	0-3/4	360 37 = 30		
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, EUE 8rd	7980'	none
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH IN TERVAL	TURE, CEMENT SQUEEZE	ETC UNT AND KIND OF MA	TERIAL USED
Dakota. Total o	f 66, 0 34" holes			(MD)	, AMO		TEMAL OSED
				7880' – 8002'	Fraced with 5003# 1 mesh BASF		owed with 118,675# 40/70 NOV 9 '09
							ONS. DIV.
33 PRODUCTION N	OTE: commungled w	oth Mesaverde and Ma	ancos per AZT 3248		L	<u></u>	<u> </u>
DATE OF FIRS	T PRODUCTION	PRODUC	CTION METHOD (Flowing, ga	s lift, pumping-size and type	e of pump)	WELL STA	TUS (PRODUCING OR SI)
				ing /		SI –	waiting on tie-in
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO
10-28	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	450 lb			,	647 mcf/d		
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc) TO BE SOLD	I			TEST WITNESSED B	Y Weldon Higgins

35 LIST OF ATTACHMENTS

SIGNED_

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

Larry Higgins

TITLE Drilling COM

DATE 10-30-09

NOV 0 2 2009

ACCEPTED FUR NECURD

FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPI
						LEWIS	3590'	
						CLIFFHOUSE	5390'	
						POINT LOOKOUT	5646'	
						MANCOS	6114'	1
						GRANEROS	7747'	
						DAKOTA	7881'	,
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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

(See other instructions on reverse side)

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5. LEASE DESIGNATION AND LEASE NO.

							MSF-078764
•	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	OG*	6 IF INDIAN,ALLO	TTEE OR -
	OF WELL F OIL WELL	. X GAS WELL	DRY OTHER	REC	EIVED	7 UNIT AGREEME	NT NAME Rosa Unit
	IEW WELL WORKS	OVER DEEPEN PLI	JG BACK DIFF RESVR			NMMM-	VM-45048F
2. NAME	OF OPERATOR			OCT	30 2009	8.FARM OR LEASE	
		WILLIAMS PRO	DUCTION COMPANY			1	osa Unit #183C
3 ADDR	ESS AND TELEPHONE NO			Aurogu vi	Land Managemeni		
	0	P.O. Box 640	Aztec, NM 87410 (505	0 634-4208 Farming	ton Field Office	30-03	39-30764 - 00 63
4. LOCA	ATION OF WELL (R		and in accordance with		ts)*		POOL, OR WILDCAT
At top		305' FEL, sec 19, T31 reported below: Same					nnco Mesaverde
						11 SEC, T,R,M,O SURVEY OR AF Sec 1	
				14 PERMIT NO.	DATE ISSUED	12 COUNTY OR Rio Arriba	13 STATE New Mexico
15 DATE SPUDDED 8-24-09	16 DATE T D REACHED 9-2-09	l .	O (READY TO PRODUCE) -29-09	18 ELEVATIONS (DK	, RKB, RT,GR,ETC)* 27' GR	19 ELEVATION CA	SINGHEAD
20 TOTAL DEPTH, I	MD & TVD 010'	21. PLUG, BACK T D , 8007' MD	MD & TVD	22 IF MULTCOMP, HOW MANY 3*	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS
			M, NAME (MD AND TVD)*		-	25 WAS DIRECTION	NAL SURVEY MADE
	VERDE. 5396'-590					No 27. WAS WELL COR	,
			perature, Ultra Sonic G	as Detector and CBL		No No	ED
	(Report all strings set in wel						
CASING SIZE/GRADE 10-3/4", J-55		WEIGHT, LB/FT 40.5#	DEPTH SET (MD) 355'	HOLE SIZE	TOP OF CEMENT, CEM 290 SX - SI		AMOUNT PULLED
7-5/8", J-55		26.4#	3681'	9-7/8"	570 SX – SI	URFACE	
4-1/2", N-80		11 6#	8007'	6-3/4"	580 SX – 30	85' (CBL)	
29 LINER RECORD	<u></u>				30 TUBING RECORD		
SIZE SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 375", 4.7#, J-55,	7980'	none
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID. SHOT, FRAC	EUE 8rd FURE, CEMENT SQUEEZE,	ETC	
		•		DEPTH INTERVAL (MD)		JNT AND KIND OF MA	TERIAL USED
Upper MV. Tota	of 49, 0.34" holes			5396'-5610'	Fraced with 79,672#	20/40 mesh BASF	1111 2MD 20'E VDM
Lower MV: Tota	al of 62, 0.34" holes			5647'-5908'	Fraced with 82,526#		
33 PRODUCTION N	OTE: commingled w	vith Mesaverde and Da	akota per AZT 3248				
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	as lift, pumping-size and type	of pump)	WELL STAT	US (PRODUCING OR SI)
/ FI				ring √	SI – waiting on tie-in		
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO
10-28	2 hr	1/2"	` PERIOD				
FLOW TBG PRESS	CASING PRESSURE	CALCHLATED	24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	450 lb	CALCOLATED	2. MONIGHE	O.L. BBL	1051 mcf/d	WALLES - DDL	CAS CIGATI I-AIT (COICE)
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc.) TO BE SOLD				TEST WITNESSED BY	Y Weldon Higgins
35 LIST OF ATTACH			NES, WELLBORE DIAG	RAM			
36 I hereby certify that	the foregoing and attached.	ormation is complete and o	correct as determined from all av	vailable records		ACCEP	TED FOR RECORD

TITLE Drilling COM

DATE <u>10-30-09</u>

FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC		NAME		TOP	
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPT
						LEWIS	3590'	
						CLIFFHOUSE	5390'	
						POINT LOOKOUT	5646'	
						MANCOS	6114'	t
į						GRANEROS	7747'	
						DAKOTA	7881'	
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