In Lieu of Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions of

FORM APPROVED
OMB NO 1004-0137
Expures February 28 19

Expires. February 28, 1995

ce outer amanactions on	1
verse side)	5. LEASE DESIGNATION AND LEASE NO.
	NMSF-078766

						6 IF INDIAN,ALLO	TTEE OR
,	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	OG*		
la. TYPE b. TYPE	OF WELL. I OIL WELL OF COMPLETION VEW WELL WORKS	. X GAS WELL	DRY OTHER	RECEN		7 UNIT AGREEME	NT NAME Rosa Unit
	OF OPERATOR	OVER DELICIT TE	JO BACK DIT ILESVI	. OTHER		8 FARM OR LEASE	
Z. IVAIVII	OF OF ENATOR	WILLIAMS PRO	DUCTION COMPANY	AUG 25 2	2009		osa Unit #18C
3. ADDR	ESS AND TELEPHONE N					9. API WELL NO	
		P.O. Box 640.	Aztec, NM 87410 (505	HE34420 Land M	anagement	30-03	39-30131 • OOG3
4. LOC	ATION OF WELL (R	eport location clearly	and in accordance with	any State requiremen	d Office		POOL, OR WILDCAT
At St At to	ırface 1490' FNL & 9	990' FEL, sec 22, T31				Bla	nco Mesaverde
		٠.				SURVEY OR AF Sec 2	
	Tie nieron		(T. 100 TO 100 T	14 PERMIT NO	DATE ISSUED	12 COUNTY OR R10 Arriba	13 STATE New Mexico
15. DATE SPUDDED 6-7-09	REACHED 6-21-09	ì	O (READY TO PRODUCE) 24-09	18 ELEVATIONS (DK	58' GR	19 ELEVATION CA	AUG 28 '09
	/ 7893' TVD	21 PLUG, BACK T D, 8146' MD / 7883'	TVD	22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X 111 (CABLE TOOLS ONS. DIV.
BLANCO MI	ESAVERDE: 5297'	-6123' MD	M, NAME (MD AND TVD)* Commi	ngled with MC & Dk	K per AZT-3211	25 WAS DIRECTIONAL SURVEY MADE YES DIST. 3	
	and other logs run on, Compensated Gam		tron, Temperature, Ultra	Sonic Gas Detector	and CBL	27 WAS WELL COR No	ED
	(Report all strings set in we	ll) WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN	MENTING RECORD	AMOUNT PULLED
	CASING SIZE/GRADE WEIGHT, LB /FT DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, C 10-3/4", J-55 40 5# 315' 14-3/4" 300 SX -						AMOUNT TOLLED
. 7-5/8	", K-55	26.4#	3813'	9-7/8"	655 SX – SI	URFACE	
	", N-80	17.0#	8156'	6-3/4"	380 SX – 33	80' (CBL)	· ·
			0.200				
29 LINER RECORD					30 TUBING RECORD		<u></u>
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2.375", 4.7#, J-55 & N-80EUE 8rd	DEPTH SET (MD) 8078'	PACKER SET (MD) none
31 PERFORATION F	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL (MD)	TURE, CEMENT SQUEEZE, AMOU	ETC JNT AND KIND OF MA	TERIAL USED
Lewis/CH/Men:	5297' – 5740' Total	of 59, 0.34" holes	•	5297'-5740'	Fraced with 73,828#	20/40 mesh BASF	
<u>PLO:</u> 5815' – 61	23' Total of 63, 0 34	"holes		5815'-6123'	Fraced with 90,907#	20/40 mesh BASF	
33 PRODUCTION							· · · · · · · · · · · · · · · · · · ·
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	is lift, pumping-size and type	e of pump)		US (PRODUCING OR SI) waiting on tie-in
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO
8-20-09	2 hr	1/2"	PERIOD	~ ~-~			
FLOW TBG PRESS	CASING PRESSURE 420 lb	CALCULATED	24-HOUR RATE	OIL BBL	GAS – MCF 981 mcf/d	WATER - BBL	OIL GRAVITY-API (CORR)
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc) non flaring	1			TEST WITNESSED B	Y. Weldon Higgins
35 LIST OF ATTACH	MENTS SUMM	MARY OF POROUS ZO	NES, WELLBORE DIAGI	RAM, Directional EOW	report		PTED FOR RECORD
26 T) 1 (6 d)	1.6	6 4	correct as determined from all as	711			

AUG 2 5 2009

Thereby certify that the foregoing and attached information is

TITLE Drlg COM DATE _8-25-09

nmocq_

FARMINGTON FIELD OFFICE

FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC		NAME	ТОР			
						NAME	MEASURED DEPTH	TRUE VERTICAL DEF	
						PICTURED CLIFFS	3350'	3091'	
		,		· 		LEWIS	3667'	3404'	
,		1	Ti de la companya de			CLIFFHOUSE	5528'	5265'	
						MENEFEE	5577'	5314'	
						POINT LOOKOUT	5840'	5577'	
						MANCOS	6322'	6059'	
						DAKOTA	8049'	7786'	
	1	ŧ				,			
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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 reverse side)

5 LEASE DESIGNATION AND LEASE NO

			_				MSF-078766
v	VELL COMPLI	ETION OR REC	COMPLETION R	EPORT AND I	.0G*	6 IF INDIAN,ALLO	TTEE OR
	OF WELL I OIL WELL		DRY OTHER		CEIVED	7. UNIT AGREEME	NT NAME Rosa Unit
	OF COMPLETION EW WELL WORKO	OVER DEEPEN PL	JG BACK DIFF RESVR			Road	In large
		VER BELLET IE	SO BACK DIT RESTR		JG 2 5 2009	R EADY OR LEASE	NAME WELLING
2. NAME	OF OPERATOR	WILLIAMS PRO	DUCTION COMPANY	,	. - .	8 FARM OR LEASE R	osa Unit #18C
3. ADDRE	SS AND TELEPHONE NO	D.		Bureau c	f Land Manageme	9 API WELL NO	•
		P O. Box 640,	Aztec, NM 87410 (505	1-2mi	ngton Field Office	30-03	39-30131 · OOLZ
4 LOCA	TION OF WELL (R		and in accordance with a		its)*	10 FIELD AND	POOL, OR WILDCAT
At top		990' FEL, sec 22, T31 reported below: 2311	N, R6W 'FNL & 1887' FEL, sec	22, T31N, R6W		F	Basin Mancos
						11 SEC, T,R,M, O SURVEY OR AF Sec 2	
				14 PERMIT NO.	DATE ISSUED	12. COUNTY OR Rio Arriba	13 STATE New Mexico
15 DATE	16 DATE T.D	17 DATE COMPLETE	O (READY TO PRODUCE)	18 ELEVATIONS (DE	L ζ, RKB, RT,GR,ETC.)*	19 ELEVATION CA	
SPUDDED 6-7-09	REACHED 6-21-09	8-	24-09	62.	58' GR	RCVD (NUG 28 '09
20 TOTAL DEPTH, N 8156' MD	1D & TVD / 7893' TVD	21 PLUG, BACK T D , 8146' MD / 7883'		22 IF MULTCOMP , HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
			M, NAME (MD AND TVD)*	3 *		25 WAS DIRECTION	NG. DIJ.
	COS: 6942' – 7428'		,	with MV & DK per.	AZT-3211		
	AND OTHER LOGS RUN			.*		27 WAS WELL COR	
Aray Induction	n, Compensated Gam	ıma Ray-Density-Neu	tron, Temperature, Ultra	Sonic Gas Detector	and CBL -	₋ No	
	Report all strings set in wel		DEPTH (F.T. () (D)	HOLE SIZE	TOP OF OF UTILITY OF	#TATERIO DECORD	AMOUNT PULLED
	ZE/GRADE ", J-55	WEIGHT, LB /FT	DEPTH SET (MD) 315'	HOLE SIZE 14-3/4"	TOP OF CEMENT, CEM 300 SX - SU		AMOUNT PULLED
	°, K-55	26.4#	3813'	9-7/8"	655 SX – SU	IRFACE	
	', N-80	17 0#	8156'	6-3/4"	380 SX – 3380' (CBL)		
3-1/2	, 14-00	170#	0150	0-3/4	300 371 330		
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#, J-55 & N-80EUE 8rd	8078'	none
31 PERFORATION RE	ECORD (Interval, size, and	number)	-	32 ACID, SHOT, FRAC	TURE, CEMENT SQUEEZE,		<u> </u>
				DEPTH INTERVAL (MD)	AMOU	INT AND KIND OF MA	TERIAL USED
Upper Mancos:	5942' – 7209' Total	of 75, 0.34" holes		6942'-7209'	Fraced with 5006# 10 Ottawa	00 mesh followed w	rith 98,125# 40/70 mesh
Lower Mancos · 7	271' – 7428' Total o	of 54, 0.34" holes		7271'-7428'	Fraced with 5003 100 Ottawa) mesh followed wi	th 98,265# 40/70 mesh
33 PRODUCTION					<u> </u>	 	····
DATE OF FIRST	PRODUCTION	PRODU	CTION METHOD (Flowing, ga	s lift, pumping-size and typ	e of pump)	WELL STAT	US (PRODUCING OR SI)
Flowing				ļ	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
8-20-09	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	420 lb				930 mcf/d 🕶		
34 DISPOSITION OF C	GAS (Sold, used for fuel, ve	nted, etc.) non flaring			<u> </u>	TEST WITNESSED B	Y Weldon Higgins
35 LIST OF ATTACHN	MENTS. SUMN	MARY OF POROUS ZO	NES, WELLBORE DIAGE	RAM, Directional EOW	report	Accommo	ropocoon I
36 I hereby certify that	the foregoing and attached i	nformation is complete and	correct as determined from all av	ailable records			TORREGUE
SIGNED_	vy ft	ing 5	TITLE <u>I</u>	Orlg COM DATE	8-25-09	AUG 2	2 6 2009

NMOCD

AUG 2 6 2009

FORMATION	тор	воттом	DESCRIPTION, CONTENTS, ETC		NAME	T .	TOP	
			BESCHI HON, CONTENTS, ETC			NAME	MEASURED DEPTH	TRUE VERTICAL DEP
						PICTURED CLIFFS	3350'	3091'
						LEWIS	3667'	3404'
						CLIFFHOUSE	5528'	5265'
,						MENEFEE	5577'	5314'
						POINT LOOKOUT	5840'	5577'
						MANCOS	6322'	6059'
						DAKOTA	8049'	7786'
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			,					
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				,			•	
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UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

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(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND LEASE NO. NMSF-078766

			.			6 IF INDIAN,ALLO	TTEF OR
	WELL COMPL	ETION OR RE	COMPLETION R	EPORT AND L	OG*	o ii iidaa,,,eee	TIBE OR
	OF WELL FOIL WELL		DRY OTHER		CEIVE	7 UNIT AGREEME	NT NAME Rosa Unit
	OF COMPLETION NEW WELL WORKS	OVER DEEPEN PL	UG BACK DIFF RESVR	OTHER	UG 2 5 2009 -	Report	to lease
2 NAM	E OF OPERATOR					8 FARM OR LEASE	NAME, WELL NO
		WILLIAMS PRO	DUCTION COMPANY	Bureau	of Land Managem	R	osa Unit #18C
3 ADDI	ESS AND TELEPHONE N	0.		Farm	nington Field Office	9 API WELL NO.	,
4 LOC	ATION OF WELL (B		Aztec, NM 87410 (505 and in accordance with a	<u> </u>			99-30131 - OOC POOL, OR WILDCAT
At So At to	urface: 1490' FNL & 9	990' FEL, sec 22, T3		,	(a)	[Basin Dakota
						SURVEY OR A	
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13 STATE New Mexico
15 DATE SPUDDED 6-7-09	16 DATE T D REACHED 6-21-09	8-	d (ready to produce) 24-09	18 ELEVATIONS (DK	, rkb, rt,gr,etc)* 58' GR	19 ELEVATION CA	SINGHEAD AUG 28 '09
	/ 7893' TVD	21 PLUG, BACK T.D., 8146' MD / 7883'	TVD	22 IF MULTCOMP , HOW MANY 3 *	23 INTERVALS DRILLED BY		CABLE TOOLS
	terval(s), of this com OTA. 8049' – 8122'		M, NAME (MD AND TVD)*	with MV & MC per A	A 7T 2011		VAL SURVEY MADE
26 TYPE ELECTRIC Aray Induction	CAND OTHER LOGS RUN on, Compensated Gam	nma Ray-Density-Neu	tron, Temperature, Ultra	,		27 WAS WELL COR	
	(Report all strings set in wel SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN	MENTING RECORD	AMOUNT PULLED
	10-3/4", J-55 40 5# 315' 14-3/4" 300 SX - S						
7-5/8", K-55 26 4# 3813' 9-7/8"				9-7/8"	655 SX – Si	URFACE	
5-1/2	", N-80	17 0#	8156'	6-3/4"	380 SX – 33	80' (CBL)	
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	CACKS CEMENT#	CODETN (A (D))	30 TUBING RECORD	DEBLA CET (MAD)	DACKED CET (MD)
SIZE	TOP (WID)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2.375", 4.7#, J-55 & N-80EUE 8rd	DEPTH SET (MD) 8078'	PACKER SET (MD) none
31 PERFORATION F	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE,	ETC JNT AND KIND OF MA	TERIAL USED
Dakota: 8049'-	3122' Total of 57, 0 3	4" holes		(MD)	AWO	ONI AND KIND OF MA	TERIAL OSED
			ŕ	8049' – 8122'	Fraced with 5008# 10 mesh Ottawa	00 mesh Ottawa fol	lowed with 77,064# 40/70
33 PRODUCTION							
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga Flow		e of pump)		US (PRODUCING OR SI) waiting on tie-in
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS MCF	WATER - BBL.	GAS-OIL RATIO
8-20-09	2 hr	1/2"	PERIOD				
FLOW TBG PRESS 0	CASING PRESSURE 420 lb	CALCULATE	24-HOUR RATE	OIL – BBL	GAS – MCF 604 mcf/d 🖊	WATER - BBL	OIL GRAVITY-API (CORR.)
	GAS (Sold, used for fuel, ve		i			TEST WITNESSED B	Y· Weldon Higgins
35 LIST OF ATTACH	MENTS. SUMN	MARY OF POROUS ZO	NES, WELLBORE DIAGE	RAM, Directional EOW	report	ACC	PTED FOR RECORD

TITLE Drig COM DATE 8-25-09

AUG 2 5 2009

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, time tool open, flowing and shut in pressures, and recoveries) 38 GEOLOGIC MARKERS FORMATION TOP воттом DESCRIPTION, CONTENTS, ETC NAME TOP MEASURED DEPTH NAME TRUE VERTICAL DEPTH PICTURED CLIFFS 3350' 3091' **LEWIS** 3667' 3404' CLIFFHOUSE 5265' 5528' **MENEFEE** 5577' 5314' POINT LOOKOUT 5840' 5577' MANCOS 6322' 6059' DAKOTA 8049' 7786'