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

				re	everse side)		ATION AND LEASE NO. IMSF-078766	
	·					6 IF INDIAN,ALLO		_
	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	OG*			
la. TYPE	OF WELL OIL WELL	7 UNIT AGREEME	Rosa Unit					
	OF COMPLETION	X GAS WELL	DRY OTHER	RE	CENTEL			
	<i>VEW WELL</i> worke	VER DEEPEN PL	UG BACK DIFF RESVR			Report	to lease	
2 NAME	OF OPERATOR	8 FARM OR LEASE	NAME, WELL NO.					
			DUCTION COMPANY	<i></i>	OV 0 G 2009		sa Unit #145D	
3 ADDR	ESS AND TELEPHONE N			Bureau	of Land Managuan	9 API WELL NO	15-35002 -00 C1	
4. LOC	ATION OF WELL (R		Aztec, NM 87410 (505 and in accordance with a		ington Field Office tel*		POOL, OR WILDCAT	
	rface: 610' FNL & 61			any butto requirement	ω)	Basin Dakota		
	•	reported below: 1768	'FNL & 392' FEL, sec	16, T31N, R6W /		1	-	
At tot	al depth. Same					11 SEC., T ,R ,M , O	R BLOCK AND	
						SURVEY OR AF	EA 6, T31N, R6W	
			_	14. PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE	_
	16 DATE T D	17 DATE COLUMN ETTE	O (READY TO PRODUCE)	10 EVELVATIONS (DV	PKD BT CD CTC)*	San Juan	New Mexico	
15 DATE SPUDDED	REACHED	1	-5-09	18 ELEVATIONS (DK	, kkb, k1,Gk,E1C)* 24' GR	19 ELEVATION CASINGHEAD		
9-17-09	9-29-09	ŧ					40V 13'09	
20 TOTAL DEPTH, 8261' MD	MD & TVD / 8013' TVD	21 PLUG, BACK T.D., 8257' MD / 8009'		22 IF MULTCOMP, HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS x 111 C	CABLE TOOLS INS. DIV.	
24 PRODUCING IN	TERVAL(S), OF THIS COM	I PLETION - TOP, BOTTO	M, NAME (MD AND TVD)*	3 *	L	25 WAS DIRECTION	I NAL SURVEY MADE	_
	OTA: 8098'-8235'	MD		····	····	yes - DIST. 3		
	AND OTHER LOGS RUN on, Compensated Gam	ıma Rav-Density-Neu	tron, Ultra Sonic Gas De	etector and CBL		27 WAS WELL COR No	ED	
	(Report all strings set in wel	· · ·						
CASING S	SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM		AMOUNT PULLED	_
	4", J-55	40.5#	312'	14-3/4"	290 SX - SU			
	", K-55	26.4#	4060'	9-7/8"	625 SX – SU			
4-1/2	", N-80	116#	8260'	6-3/4"	570 SX - 401	0' (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	8165'	none	
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC	& N-80 EUE 8rd TURE, CEMENT SQUEEZE,			
Dakota Total o	f 69, 0 34" holes			DEPTH INTERVAL (MD)	AMOU	NT AND KIND OF MA	TERIAL USED	
	•				Fragad with 6076# 10	00 much DASE follo	awad with 120 742# 40/70	n
				8098'-8235'	mesh BASF	o mesh BASI Tollo	owed with 120,743# 40/70	,
				` ` `				
33 PRODUCTION	Commingled wi	th MV and MC per /	AZT-3278 NSL-6013					
	T PRODUCTION		CTION METHOD (Flowing, ga	s lift, pumping-size and type	e of pump)	WELL STAT	US (PRODUCING OR SI)	
				ing /	• • •		vaiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
11-5-09	2 hr	1/2"	PERIOD	0.5 555				
11 3 05 -								
FLOW TBG PRESS	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	580 lb				834 mcf/d			
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc) TO BE SOLD				1EST WITNESSED B	Y· Craig Waid	
35 LIST OF ATTACH	MENTS SUMM	MARY OF POROUS ZO	NES, WELLBORE DIAGE	RAM, Directional EOW	report	ACCEPTE	D FOR RECORD	
	, ,		correct as determined from all av	ailable records		D 0640 D	1 0 2000	
SIGNED	any /	Topol	TITLE <u>I</u>	Orlg COM DATE _	11-6-09	MOV 1 () 2009		
		FARMING TO S	ON FIELD OFFICE					
			MANAGE	<i>k</i> ∼∕				

FORMATION	ТОР	воттом	DESCRIPTION	ONTENTS, ETC NAME TO			ТОР	TOP	
PORMATION	MATION TOP		BOTTOM DESCRIPTION, CONTENTS, ETC		NAME	NAME	MEASURED DEPTH	TRUE VERTICAL DEF	
	-					LEWIS	3701'	3454'	
						CLIFFHOUSE	5579'	5331'	
						POINT LOOKOUT	5881'	5633'	
					Į.	MANCOS	6351'	6103'	
						GRANEROS	7969'	7721'	
						DAKOTA	8096'	7848'	
						,			
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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

BUREAU OF LAND MANAGEMENT (See other instructions on reverse side) 5 LEASE DESIGNATION AND LEASE NO NMSF-078766 6 IF INDIAN ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 7 UNIT AGREEMENT NAME X GAS WELL Rosa Unit TYPE OF WELL FOIL WELL 1 a. DRY OTHER TYPE OF COMPLETION ħ CENVED X NEW WELL WORKOVER DIFF RESVR OTHER VM - 45048F -MMMM DEEPEN PLUG BACK NAME OF OPERATOR 2 8 FARM OR LEASE NAME, WELL NO NOV 0 6 2009 WILLIAMS PRODUCTION COMPANY Rosa Unit #145D ADDRESS AND TELEPHONE NO 9 API WELL NO P.O. Box 640, Aztec, NM 87410 (505) 634-4208 : ___ ... 51 Land Managemini 30-045-35002-0063 LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Junio 4 10, FIELD AND POOL, OR WILDCAT At Surface: 610' FNL & 610' FEL, sec 16, T31N, R6W Blanco Mesaverde At top production interval reported below: 1768' FNL & 392' FEL, sec 16, T31N, R6W At total depth: Same 11 SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 16, T31N, R6W DATE ISSUED 12 COUNTY OR 14 PERMIT NO 13 STATE New Mexico San Juan 17 DATE COMPLETED (READY TO PRODUCE) 16 DATE T D 18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 19 FLEVATION CASINGHEAD 15 DATE REACHED 11-5-09 6324' GR SPUIDDED RCVD NOV 13'09 9-29-09 9-17-09 20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T.D., MD & TVD 22 IF MULTCOMP, 23 INTERVALS xOIL chis. Div. HOW MANY 8261' MD / 8013' TVD 8257' MD / 8009' TVD DRILLED BY 24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 25 WAS DIRECTIONAL SURVEY MADE DIST. 3 BLANCO MESAVERDE 5590'-6174' MD 26 TYPE ELECTRIC AND OTHER LOGS RUN 27 WAS WELL CORED Aray Induction, Compensated Gamma Ray-Density-Neutron, Ultra Sonic Gas Detector and CBL 28 CASING REPORT (Report all strings set in well WEIGHT, LB/FT DEPTH SET (MD) TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED CASING SIZE/GRAD HOLE SIZE 10-3/4", J-55 40.5# 312 14-3/4" 290 SX - SURFACE 7-5/8", K-55 26.4# 4060 9-7/8" 625 SX - SURFACE 4-1/2", N-80 11.6 0# 8260 6-3/4" 570 SX - 4010' (CBL) 29 LINER RECORD 30 TUBING RECORD TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) DEPTH SET (MD) PACKER SET (MD) SIZE SIZE 2.375", 4.7#, J-55 8165 & N-80 EUE 8rd 31. PERFORATION RECORD (Interval, size, and number) 32 ACID, SHOT, FRACTURE, CEMENT SOUEEZE, ETC DEPTH INTERVAL AMOUNT AND KIND OF MATERIAL USED (MD) 5590'-5822' Fraced with 80,700# 20/40 mesh BASF Upper MV: Total of 55, 0.34" holes 5854'-6174' Lower MV: Total of 48, 0.34" holes Fraced with 79,500# 20/40 mesh BASF Commingled with MC and DK per AZT-3278 NSL-6013 33 PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) DATE OF FIRST PRODUCTION WELL STATUS (PRODUCING OR SI) Flowing -SI – waiting on tie-in DATE OF TEST TESTED CHOKE SIZE PROD'N FOR TEST OIL - BBL GAS - MCF WATER - BBL GAS-OIL RATIO PERIOD 1/2" 11-5-09 FLOW TBG PRESS CALCULATED 24-HOUR RATE CASING PRESSURE OIL -- BBI GAS - MCF WATER - BBL OIL GRAVITY-API (CORR) 0 1354 mcf/d -580 lb 34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD TEST WITNESSED BY Craig Ward 35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report ACCEPTED FOR RECORD 36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

NMOCD 4/3

TITLE Drlg COM DATE 11-6-09

NOV 1 () 2009

FARMINGTON FIELD OFFICE

SUMMARY OF POROUS ZI cushion used, time tool open,	ONES (Show all unportant zor flowing and shut-in pressures,	nes of porosity and contents thereof and recoveries)	cored intervals, and all drill-stem, to	ests, including depth interval tested,	38 GEOLOGIC MARKE	RS	,		
FORMATION	тор	TOP BOTTOM DESCRIPTION, CONTENTS, ETC		CONTENTS, ETC	NAME	ТОР			
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH	
						LEWIS	3701'	3454'	
		·				CLIFFHOUSE	5579'	5331'	
						POINT LOOKOUT	5881'	5633'	
						MANCOS	6351'	6103'	
						GRANEROS	7969'	7721'	
						DAKOTA	8096'	7848'	
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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)

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

5. LEASE DESIGNATION AND LEASE NO. NMSF-078766

							MSr-078700		
,	WELL COMPLI	ETION OR REC	COMPLETION RI	EPORT AND I	.OC*	6. IF INDIAN,ALLO	TTEE OR		
	WEELE COMITE	ETION OR RE	COMPLETION	EI OKI AND L		7 UNIT AGREEMEN	IT NAME		
1a TYPE	TYPE OF WELL Γ OIL WELL X GAS WELL DRY OTHER						Rosa Unit		
	TYPE OF COMPLETION TYPE OF COMPLETION TYPE OF COMPLETION						1 1		
<u>X</u>	IEW WELL WORKO	VER DEEPEN PL	UG BACK DIFF RESVR.	OTHER		Report	to lease		
2 NAME OF OPERATOR NOV 0 3 2009							8 FARM OR LEASE NAME, WELL NO		
			DUCTION COMPANY			1	sa Unit #145D		
3 ADDR	ESS AND TELEPHONE NO			777	of Land Manager	169 FAPI WELL NO	5 25002		
4. LOCA	ATION OF WELL (D		Aztec, NM 87410 (505) and in accordance with a		mington Field Offic		POOL, OR WILDCAT		
	rface: 610' FNL & 61	-		iny State requiremen	ts)*		asin Mancos -		
			', ROW ' FNL & 392' FEL, sec 1	16, T31N, R6W /		Ь	ashi Mancos =		
At tota	al depth Same	•							
						II SEC, T,R,M, OR BLOCK AND SURVEY OR AREA			
						Sec 1	6, 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 (DK	RKB. RT.GR.ETC)*	San Juan 19. ELEVATION CAS			
SPUDDED	REACHED	l .	1-5-09	6324' GR			OV 13 '09		
9-17-09	9-29-09				T	200120170010	Laurynmoora		
20 TOTAL DEPTH, 1 8261' MD	MD & TVD / 8013' TVD	21 PLUG, BACK T.D., 8257' MD / 8009'		22. IF MULTCOMP , HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS INS. DIV.		
	,		M, NAME (MD AND TVD)*	3 '		25 WAS DIRECTION YES			
	COS: 6990'-7486' AND OTHER LOGS RUN	MD				ST. 2			
		ıma Rav-Density-Nei	ıtron, Ultra Sonic Gas De	etector and CBI		27. WAS WELL COR No	ED		
	<u> </u>		aton, onto onto out be				<u></u>		
	(Report all strings set in wel SIZE/GRADE	l) WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM	IEN FING RECORD	AMOUNT PULLED		
	4", J-55	40.5#	312'	14-3/4"	290 SX - SU	JRFACE			
7-5/8", K-55		26 4#	4060'	9-7/8"	625 SX – SU	JRFACE			
4-1/2", N-80		11 6.0#	8260'	6-3/4"	570 SX - 401	0' (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)	BOTTOW (MD)	SACKS CEMENT	SCREEN (ND)	2:375", 4 7#, J-55	8165'	none		
					& N-80 EUE 8rd				
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE, AMOL	ETC INT AND KIND OF MA	TERIAL USED		
				(MD)			<u> </u>		
<i>Upper MC</i> ∙ Tota	al of 75, 0 34" holes	-		6990'-7230'	Fraced with 4925# 10 mesh BASF	00 mesh BASF folk	owed with 101,090# 40/70		
Lower MC Tota	al of 66, 0 34" holes			7334'-7486'	Fraced with 5049# 10 mesh BASF	red with 5049# 100 mcsh BASF followed with 76,729# 40/70 h BASF			
33 PRODUCTION	Commungled w	th MV and DK per	AZT-3278 NSL-6013						
DATE OF FIRS	T PRODUCTION	PRODU	JCTION METHOD (Flowing, ga	is lift, pumping-size and typ	e of pump)	WELL STAT	US (PRODUCING OR SI)		
				ing -		SI – waiting on tic-in			
DATE OF TEST TESTED		CHOKE SIZE PROD'N FOR TEST		OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO		
11-5-09	2 hr	1/2"	PERIOD	OIL - DDL	GAS - MICI	WALLY - BBC	GIO-OIL RATIO		
T OUTTE C PRUSE	CARDIO PRESSURE	CALCULATION OF THE PROPERTY OF	D 24 HOUR BACK	OH DOV	CAS MOS	WATER DO	OH CRAVITY ARTICORS		
FLOW TBG PRESS CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL – BBL	GAS – MCF 1285 mcf/d	WATER - BBL	OIL GRAVITY-API (CORR)		
0	580 lb				1203 HIGI/G *.	. 1			
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc) TO BE SOLD	J			TEST WITNESSED B	Y Craig Ward		
35 LIST OF ATTACH			ONES, WELLBORE DIAG	RAM, Directional EOW	report	N N			
		information is complete and	correct as determined from all av	vailable records		и и			
SIGNED	any ,	Magin		Orlg COM DATE	11-6- <u>0</u> 9	NO	/ 1 (2C39		

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) 38 GEOLOGIC MARKERS FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC NAME TOP MEASURED DEPTH NAME TRUE VERTICAL DEPTH **LEWIS** 3701' 3454' 5579' CLIFFHOUSE 5331' POINT LOOKOUT 5881' 5633' MANCOS 6351' 6103' 7969' GRANEROS 7721' DAKOTA 8096' 7848'