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

	reverse side)						5 LEASE DESIGNATION AND LEASE NO. NMSF-078772		
,	WELL COMPLI	ETION OR RE	COMPLETION R	FPORT-AND ₁ L	06*==	6 IF INDIAN,ALLO	TTEE OR		
	OF WELL FOIL WELL		DRY OTHER	DENE II	OCIVED	7 UNIT AGREEMEN	NT NAME Rosa Unit		
b TYPE	OF COMPLETION IEW WELL WORKO	_	UG BACK DIFF RESVR	OTHER OCT	T 3 0 2009	NMWM-	 78407 <u>A-</u> M	v	
	OF OPERATOR		DUCTION COMPANY	Bureau of	Land Management	8 FARM OR LEASE			
3 ADDR	ESS AND TELEPHONE NO		DECOMON COMPTER	rannn	ton Field Office	9 API WELL NO	out one ii y i b		
		P.O. Box 640,	Aztec, NM 87410 (505) 634-4208		30-03	9-30763 -00 c	3	
At Su At toj	rface: 1055' FSL & 2	50' FEL, sec 35, T32	and in accordance with a 2N, R6W 'FSL & 637' FEL, sec 3		is)*	Bla	POOL, OR WILI nco Mesaverde	DCAT	
				-		II SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 35, T32N, R6W			
				14 PERMIT NO	DATE ISSUED	12. COUNTY OR Rio Arriba	13 STATE New N	1exico	
15 DATE SPUDDED 6-22-09	16 DATE T D REACHED 7-3-09		D (READY TO PRODUCE) 1-27-09	18 ELEVATIONS (DK.) 632					
20 TOTAL DEPTH, I	MD & TVD / 8025' TVD	21 PLUG, BACK TD, 8164' MD	MD & TVD	22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS		
	ERVAL(S), OF THIS COMES AVERDE: 5314'-0		M, NAME (MD AND TVD)*			25. WAS DIRECTIONAL SURVEY MADE YES			
26 TYPE ELECTRIC AND OTHER LOGS RUN Aray Induction, Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector and CBL							27 WAS WELL CORED No		
	(Report all strings set in wel		DEDTH SET (1(D)	HOLE SIZE	Ton or critishing critishing	ENTING RECORD	AMOUNT PU	ULED.	
	ize/grade 4", J-55	WEIGHT, LB /FT 40.5#	DEPTH SET (MD) 314'	HOLE SIZE 14-3/4"	TOP OF CEMENT, CEM 290 SX - SU	RFACE RCVI)		ILLED	
7-5/8	", K-55	26.4#	3784'	9-7/8"	645 SX – SU	REACE	nac nu		
5-1/2	", N-80	17.0#	8194'	6-3/4"	380 SX - 320	0' (CBL)	:CT 9	,	
						land .	Then I II Year		
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET	(VW)	
312.0	TOT (MD)	BOTTOM (MD)	SACKS CENTERY	SCREEN (NID)	2 375", 4.7#, J-55 & N-80 EUE 8rd	7424'	none	(NID)	
31 PERFORATION R	ECORD (Interval, size, and i	number)		32 ACID, SHOT, FRACT DEPTH INTERVAL (MD)	TURE, CEMENT SQUEEZE, E	TC NT AND KIND OF MA	I ERIAL USED		
						0# 20/40 mesh BASF			
Lower MV: Total of 71, 0.34" holes 5777'-6050' Fraced with 8					Fraced with 81,500# 2	th 81,500# 20/40 mesh BASF			
33 PRODUCTION	Commingled with M	desaverde and Dakot	a per AZT-3247						
DATE OF FIRS	T PRODUCTION	PRODU	JCTION METHOD (Flowing, ga	s lift, pumping-size and type	e of pump)		US (PRODUCING OR ng on NSL approv	· •	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR 1EST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RA		
10-25-09	2 hr	1/2"	PERIOD	0.2 552			0.10 0.11 10		
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	D 24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-AF	I (CORR)	
0	300 lb				732 mcf/d				
	GAS (Sold, used for fuel, ver		•			TEST WITNESSED BY	Y Buddy Banks		
35 LIST OF ATTACH		_	ONES, WELLBORE DIAGE		report	parties and a second	W100-000-	1	
36 I hereby certify that	//	nto Mation is complete and	correct as determined from all av		10-30-09	ACCEPTED	UK HECORD		
SIGNED_			111 FE L	CALS COME _	· 4 20-07	H andaha A	I 0000		

NOV 0 4 2009

FARMINGTON FIELD OFFICE BY TE Salvers

FORMATION	TOP	тор воттом		DESCRIPTION, CONTENTS, ETC			TOP	
			2356d. 16.1, 66.112.116, 216		NAME	NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
			,			PICTURED CLIFFS	3311'	3144'
						LEWIS	3648'	3479'
						CLIFFHOUSE	5525'	5356'
						MENEFEE	5575'	5406'
						POINT LOOKOUT	5777'	5608'
						MANCOS	6254'	6085'
			٠.			DAKOTA	8060'	7891'
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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

					everse side)		ation and lease no NMSF-078772		
	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND I	OG*	6 IF INDIAN,ALLO	TTEE OR		
						7 UNIT AGREEME	NT NAME		
	OF WELL POIL WELL	. X GAS WELL	DRY OTHER	Fire recover			Rosa Unit		
	OF COMPLETION VEW WELL WORK	OVER DEEPEN PL	JG BACK DIFF RESVR	OTHER EC	ENED	Report	to lease		
2 NAM	E OF OPERATOR					8 FARM OR LEASE	NAME, WELL NO		
			DUCTION COMPANY	c = 0CT,	3 0 200g	Re	osa Unit #91D		
3 ADDI	LESS AND TELEPHONE N	0	Aztec, NM 87410 (505 and in accordance with a	Burgan		9 API WELL NO	20.20962		
4. LOC	ATION OF WELL (B	P.O Box 640,	Aztec, NM 87410 (505 and in accordance with a) 634-4208 U Cr Lai	nd Management		39-30763 - 6662 9 POOL, OR WILDCAT		
At Si At to	irrace: 1055 FSL & 2	250' FEL, sec 35, T32		,	rald Office	E	Basin Mancos		
						11 SEC, T,R,M., O SURVEY OR AF			
•					DATE ISSUED	Sec 3	55, T32N, R6W		
				14 PERMIT NO	DATE ISSUED	Rio Arriba	13 STATE New Mexico		
15 DATE SPUDDED 6-22-09	16 DATE T D REACHED 7-3-09	1	(READY TO PRODUCE) 27-09	18 ELEVATIONS (DK 632	, rkb, rt,gr,etc)* 24° GR	19 ELEVATION CA	SINGHEAD		
20 TOTAL DEPTH,	MD & TVD 7/8025' TVD	21 PLUG, BACK T.D., 8164' M.D.	MD & TVD	22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS		
24 PRODUCING IN	TERVAL(S), OF THIS COM	I IPLETION - TOP, BOTTON	M, NAME (MD AND TVD)*	J3		25 WAS DIRECTION	NAL SURVEY MADE		
	COS: 6976'-7447'					YES 27 WAS WELL CORED			
			ture, Ultra Sonic Gas De	tector and CBL		No No	ED		
	(Report all strings set in wel		DEPTH SET (1 (D))	VOVE GVZE	L gon on on one	TO TRACE DE CORD	T. A. COLDER D. H. L. E.		
	SIZE/GRADE '4'', J-55	WEIGHT, LB/FT 40 5#	DEPTH SET (MD) 314'	HOLE SIZE 14-3/4"	TOP OF CEMENT, CEI	URFACE KUVU	ALV 3 V3		
7-5/8	3", K-55	26 4#	3784'	9-7/8"	645 SX – S	URFACE			
5-1/2	.", N-80	17.0#	8194'	6-3/4"	380 SX - 32		PART PART I		
 							51. d		
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-80 EUE 8rd	7424'	none		
31 PERFORATION F	PERFORATION RECORD (Interval, size, and number)			32.ACID, SHOT, FRAC DEPTH INTERVAL (MD)	TURE, CEMENT SQUEEZE, AMOI	E, ETC OUNT AND KIND OF MATERIAL USED			
<i>Upper MC</i> Tota	al of 81, 0 34" holes			6976'-7213'	Fraced with 5300# 10 mesh BASF	100 mesh BASF followed with 92,499# 40/70			
<i>Lower MC</i> Tota	al of 78, 0 34" holes			7279'-7447'	Fraced with 5000# 10 mesh BASF	00 mesh BASF follo	owed with 120,200# 40/70		
33 PRODUCTION	Commingled with N	Mesaverde and Dakota	per AZT-3247						
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	s lift, pumping-size and type	of pump)	WELL STAT	US (PRODUCING OR SI)		
Flow			ving 🖊		SI – waiting NSL approval				
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	· WATER - BBL	GAS-OIL RATIO		
10-25-09	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	300 lb				695 mcf/d 🖊				
	GAS (Sold, used for fuel, ve					TEST WITNESSED B			
55 LIST OF ATTACH	MENTS SUMN	MARY OF POROUS ZO	NES, WELLBORE DIAGF	AM, Directional EOW	report	ACCEPT	ED FOR RECORD		

NMCCD Pd

_ TITLE <u>Drlg COM</u> DATE <u>10-30-09</u>

37 SUMMARY OF POROUS ZONES (Show all important zones of potosity 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 3311' 3144' LEWIS 3648' 3479' CLIFFHOUSE 5525' 5356' 5575' 5406' MENEFEE POINT LOOKOUT 5777' 5608' 6254' 6085' MANCOS DAKOTA 8060' 7891'

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-078772

FARAGINGTON FIELD OFFICE

						<u> </u>			
,	WELL COMPL	ETION OR REC	COMPLETION R	EPORT AND	OG*	6 IF INDIAN,ALLO	TTEE OR		
	WEEL COMILE	ETION ON IGE	COMIT ELETION R	EI ORT MANA	.00	7 UNIT AGREEME	NT NAME		
1a TYPE	OF WELL COIL WELL	X GAS, WELL	DRY OTHER	_	NOT 9 0 0000		Rosa Unit		
	OF COMPLETION			_	OCT 30 2009		1 1 1		
<u>X</u> /	VEW WELL WORKS	OVER DEEPEN PL	UG BACK DIFF RESVR	OTHER	A61 3/	ME Kep	et to lease		
2 NAME	OF OPERATOR			airn Krasikii	of ⊾and Managem nington Field Öffice	4			
			DUCTION COMPANY	у дан и чемен	THE STREET & SOURCE OF STREET	I RO	osa Unit #91D		
3 ADDR	ESS AND TELEPHONE N	0				9 API WELL NO			
	ATION OF WELL O		Aztec, NM 87410 (505				9-30763		
	,	eport location clearly 250' FEL, sec 35, T32	and in accordance with a	iny State requirement	ts)*		POOL, OR WILDCAT Basin Dakota		
		, ,	.N, Kow 'FSL & 637' FEL, sec 3	5. T32N. R6W		1	зауш ілакога		
	al depth Same	-F	,	.,,			<u> </u>		
						11. SEC, T,R,M, OR BLOCK AND SURVEY OR AREA			
						Sec 35, T32N, R6W			
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE		
	16 DATE T.D	17 DATE COMMITTEE	D (READY TO PRODUCE)	18 ELEVATIONS (DK	PVD DT CD ETC)*	Rio Arriba 19 ELEVATION CAS	New Mexico		
15 DATE SPUDDED	REACHED	1	-27-09		24' GR	19 ELEVATION CASINGIEAD			
6-22-09	7-3-09								
	/ 8025' TVD	21 PLUG, BACK T.D., 8164' MD		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		
	OTA: 8062'-8158' AND OTHER LOGS RUN					YES 27 WAS WELL CORED			
			ture, Ultra Sonic Gas De	tector and CBL		No No			
	•								
	(Report all strings set in wel SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM	MENTING RECORD	AMOUNT PULLED		
10-3/	4", J-55	40 5#	314'	14-3/4"	290 SX - SU	JRFACE			
7-5/8	", K-55	26.4#	3784'	9-7/8"	645 SX – SU	URFACE ROVD 10V 5 05			
5-1/2	", N-80	17 0#	8194'	6-3/4"	380 SX - 320	00' (CBL) نالغ G	JNJ. UIV.		
				-		\$1.7.1 2m.1	di.O		
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-80 EUE 8rd	7424'	none		
31 PERFORATION R	ECORD (Interval, size, and	number)			TURE, CEMENT SQUEEZE, I		•		
Dakota: Total of	f 63, 0 34" holes			DEPTH INTERVAL (MD)	AMOU	INT AND KIND OF MA	TERIAL USED		
Danoia Total of	105,057 notes								
				8062'-8158'	Fraced with 5000# 10 mesh BASF	00 mesh BASF folk	owed with 83,400# 40/70		
			İ		inesii Brisi				
	•								
3 PRODUCTION	Commingled with N	Aesaverde and Manco	os per AZT-3247						
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	s lift, pumping-size and type	e of pump)	WELL STAT	US (PRODUCING OR SI)		
Flowing -					_		SI – waiting on NSL approval 🖊		
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO		
,		1/2"	PERIOD	OIL - DDL	OAS - MICE	WALLY DDL	OAS-OIL RATIO		
10-25-09	2 hr	1/2							
LOW TBG PRESS	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL – BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)		
0	.300 lb				451 mcf/d 🖊				
		······································		,					
	GAS (Sold, used for fuel, ve					TEST WITNESSED B	Y Buddy Banks		
5 LIST OF ATTACH			NES, WELLBORE DIAGF		report	ACCEPT	ED FOR RECORD		
6 I hereby certify that	the foregoing and attached i	information is complete and o	correct as determined from all av	adable records					
SIGNED	uny /	rien -		DIECOM DATE	10-30-09	l NOV	0 4 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, 38 GEOLOGIC MARKERS cushion used, time tool open, flowing and shut-in pressures, and recoveries) FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC. NAME TOP MEASURED DEPTH NAME TRUE VERTICAL DEPTH 3311' PICTURED CLIFFS 3144' **LEWIS** 3648' 3479' CLIFFHOUSE 5525' 5356' MENEFEE 5575' 5406' POINT LOOKOUT 5777' 5608' MANCOS 6254' 6085' DAKOTA 8060' 7891'