In Lieu of Form 3160-4 (July 1992)

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANY **BUREAU OF LAND MANAGEMENT**

(See other instructions on NOV 2 2 2011

FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995

5 LEASE DESIGNATION AND LEASE NO SF-078766

	the forelong and attached	n ormation is complete and	correct as determined from all a	vailable records	:	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 36 1 1 1 2 3 33 140 2 514	
OF ATTACH		01 10000320	ONES, WELLBORE DIAG	Directional EOW	TOPOIL	ACCEPTED E	OR RECORD	
35 LIST OF ATTACH		<u> </u>						
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc.) non flaving				TEST WITNESSED B	<u>γ</u> ,	
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
		CHOKE CIZE	DRODAL FOR TECT	OII BBI	CAS MOR	WATER DE	CAS OU BATTO	
9/21/06								
DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)							TUS (PRODUCING OR SI)	
33 PRODUCTION								
						£	THE LEW PERSONS ASSESSMENT OF THE PERSONS ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASS	
						DIST. 3		
						OIL CONS. DIV.		
Basin Fruitland C	oal: 3142'-5142' (Pre	e-Perforated Liner, 28	, 0.50" dia holes p/ft)	3142'-5142'	Well was not stimula	ated RCVD	NOV 29 '11	
31 PERFORATION R	ECORD (Interval, size, and r	numoer)		32 ACID, SHOT, FRAC DEPTH INTERVAL (MD)	TURE, CEMENT SQUEEZE, AMO	, ETC UNT AND KIND OF MA	TERIAL USED	
4 ½"	2675'	5147'	0 SX	12 ACID CHOT ED CO	2-7/8", 6.5#, J-55	3239'		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
29.LINER RECORD					30 TUBING RECORD	-		
53",2	1-80	17#	3225'	6 1/4 "				
					330 37 - 3	Journal Botter (1987)		
	J-55	23#	3041'	8-3/4"	550 SX – S		22 66/2	
	SIZE/GRADE 3", J-55	WEIGHT, LB./FT 36#	DEPTH SET (MD) 321'	HOLE SIZE 12-1/4"	TOP OF CEMENT, CEI		amount pulled	
	(Report all strings set in well		DEDEL CET (140)	Lucinosa	Ton or on my		I MOIDE NOT TO	
26 TYPE ELECTRIC	AND OTHER LOGS RUN					27 WAS WELL CORED No		
BASIN FRUIT	FLAND COAL: 3142		YES					
			M. NAME (MD AND TVD)*	L	<u> </u>	L	VAL SURVEY MADE	
20 TOTAL DEPTH, N		21 PLUG, BACK T.D., 5147' MD 3224' T		22 IF MULTCOMP, HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS	
SPUDDED 5/2/06	REACHED existing	117	/18/11	637	6' GR .			
15 DATE	16 DATE T D	17 DATE COMPLETED	(READY TO PRODUCE)	18 ELEVATIONS (DK.	RKB, RT,GR,ETC)*	Rio Arriba 19 ELEVATION CAS		
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE New Mexico	
		SURVEY OR AR	EA 21 31N 6W					
		11 SEC, T,R,M, OR BLOCK AND						
SURF: 807' FSL BHL: 2337' FSL						BASIN F	FRUITLAND COAL	
	·	eport location clearly	and in accordance with a	iny State requirement	s)*		POOL, OR WILDCAT	
	- TOUGHONE NO		Aztec, NM 87410 (505)	333-1808			9-29546 - DO S I	
3 ADDRI	ESS AND TELEPHONE NO		DUCTION COMPANY			9 API WELL NO	osa Unit 260A	
2 NAME	OF OPERATOR	William or o	Dilomosi dos mice	,		8 FARM OR LEASE		
	WELL WORKOVER	DEEPEN PLUG BA	CK DIFF RESVR	COTHER - horizontal reen	try	NMNM ?	84070	
	OF WELL OIL WELL OF COMPLETION	<u>X</u> GAS WELL	DRY OTHER				Rosa Unit	
	WELL COMPLE	7 UNIT AGREEMEN						
			OMPLE HON K	EPORTPANDL	()(G*)1110C	1		

MOA 5 3 5011

FARMINGTON FIELD OFFICE BY

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 MARKE			
FORMATION		ТОР			BOTTO	М		DESCRIPTION, CON	TENTS, ETC	 		NAME
KIRTLAND	2507'											
FRUITLAND	2927										.	
PICTURED CLIFFS	3257										ļ	
		l									ļ	
											}	
							ı					
											!	
								•				
			•									
							H					

ROSA UNIT #260A- ReEntry BASIN FRUITLAND COAL

Location:

Fruitland

Pictured Cliffs

SHL 807' FSL & 1969' FEL NE/4 SE/4 Sec 21(I), T31N, R06W

BHL: 2337' FSL & 361' FEL NE/4 SE/4 Sec 21 (I), T31N, R-06W

2927'

3257

3060' - 3070'

 $3085^{\circ} - 3095^{\circ}$

3100' - 3110'

3196' - 3216'

3216' - 3231'

(3235° – 3245°

Rio Arriba, New Mexico

Pumping Unit

Spud: 05/02/06 Completed: 07/27/06 1st Delivery: 09/21/06 11/18/11

> TD @ 5150' MD PBTD @ 5147' MD TVD @ 3224'

Horiz re entry:

American 80-119-64 Elevation: 6376' GR API#30-039-29546 7 jts 9-5/8", 36#, J-55, ST&C @ 321' 77 jts 7", 23#, J-55 LT&C @ 3041' Top Depth 2392' Ojo Alamo Kirtland 2507'

Land well @ 3239' W /12' KB corr. as follows F/ bottom to top 2 7/8" closed mud anchor @ 3239', 2.28" seat nipple @ 3212' & 101 jts 2 7/8" 6.5#, j-55,m EUE 8rd tbg, W/ 3-10' subs, 1-6' sub, W/ 200' of cap

Window Cut @ 2659'- 2670' MD

4.5" Liner top @ 2675'

47 Jts 4-1/2", 11.6#, J-55, LT&C, 8rd, perforated casing (28, 0.50" holes p/ft) and 10 jts 11.6#, J-55, LT&C, 8rd, non-perforated casing. CSG set @ 5147', TOL @ 2675'. Top perfs @ 3142', bottom perfs @ 5142'.

Liner top @ 2998'

2.5"x1 1/4" x 12' RHAC 944 x pump, 4- Norris 1 1/4" sinker bars, 124 norris 3/4" API grade D rods,

8',6',4',2' 3/4" subs & 1 1/4"x22' polish rod W/ 1 1/2"x 10' liner

6 jts 5-1/2", 17#, N-80 @ 2998' - 3247' TD @ 3257'

Open hole from 6-1/4" to 9-1/2" from 3052' to 3257

	Hole Size	Casing	Cement	Volume	Top of Cmt
300	12-1/4"	9-5/8", 36#	190 sx	268 cu. ft.	Surface
1	8-3/4"	7", 23#	550 sx	1125 cu. ft.	Surface
	6-1/4"	4-1/2", 11.6#	Did Not Cmt		
1		COMMENCE COMMENCES OF COMMENCES IN THE COMMENT OF COMMENCES AND COMMENCE	Secretario de Romando de como o constitución de la como Vista Mandala de Como	Specialist and a superior designation of the superior and superior	or may / may the spring program for the spring of the spring records and the spring of

LH 11/21/11

0.48" 4 SPF

300 holes total