In Lieu 💒 Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEUBMIEND DUPLICATE

SEP (See other instructions on reverse side)

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

5 LEASE DESIGNATION AND LEASE NO.

							MSF-078771		
v	VELL COMPL	ETION OR REC	COMPLETION R	EPORT AND L	OGA OF	6. IF INDIAN,ALLO	TTEE OR		
							7 UNIT AGREEMENT NAME		
1a TYPE (OF WELL FOIL WELL	X GAS WELL	DRY OTHER				Rosa Unit		
ь түре (OF COMPLETION								
	EW WELL WORK	Report to lease							
2 NAME	OF OPERATOR					8 FARM OR LEASE NAME, WELL NO			
		WILLIAMS PRO	DUCTION COMPANY	•		Rosa Unit #16D			
3. ADDRE	ESS AND TELEPHONE NO					9. API WELL NO			
J. ADDKI	33 AND TELETHONE IN						10 20740		
			Aztec, NM 87410 (505)				39-30749 - OOCA		
4. LOCA	ATION OF WELL (R	eport location clearly	and in accordance with a	ıny State requirement	ts)*	10. FIELD AND POOL, OR WILDCAT			
At Su	rface: 1015' FSL & 1	300' FWL, sec 14, T	31N, R6W			E	Basin Mancos		
At top	production interval i	reported below · 2034	'FSL & 1974' FWL, sec	: 14, T31N, R6W					
At tota	I depth Same								
						11. SEC, T,R.,M, OR BLOCK AND			
						SURVEY OR AREA			
					DATE ISSUED	12 COUNTY OR	4, T31N, R6W		
				14 PERMIT NO	DATE ISSUED	ł	13 STATE New Mexico		
	L DATE OF D	T 12 P 22 COLON FEE	D (READY TO PRODUCE)	10 FI FILL TROVE (DI	DVD DT CD FTC\+	Rio Arriba 19 ELEVATION CA	l		
15 DATE	16. DATE T D REACHED	i	` ,	18 ELEVATIONS (DK		19 ELEVATION CA	SINGHEAD		
SPUDDED	7-21-09	9-	19-09	635	55' GR	GR			
7-7-09 20 TOTAL DEPTH, M		21 PLUG, BACK T.D.,	MO 0 TWO	22 15 1 4 4 760 1 45	23 INTERVALS	ROTARY TOOLS	CABLE TOOLS		
	/ 8062' TVD	8262' MD	MD & IVD	22 IF MULTCOMP, HOW MANY	DRILLED BY	- X	CABLE TOOLS		
				3 *		1			
24 PRODUCING INT	ERVAL(S), OF THIS COM	PLETION - TOP, BOTTO!	M, NAME (MD AND TVD)*			25 WAS DIRECTION	NAL SURVEY MADE		
	COS. 7045'-7530'	MD Comm	ningled with Mesaverde	and Dakota per AZT-					
26 TYPE ELECTRIC	AND OTHER LOGS RUN					27 WAS WELL CORED			
Aray Induction	n, Compensated Gam	ıma Ray-Density-Neu	tron, Temperature, Ultra	Sonic Gas Detector	and CBL	No	-		
29 CASING DEPORT	(Report all strings set in wel	n				J			
	ZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CE	MENTING RECORD	AMOUNT PULLED		
	", J-55	40 5#	311'	14-3/4"	290 SX - S				
	<u> </u>		20101	0.6400	660 674 63				
7-5/8'	', K-55	26.4#	3918'	9-7/8"	660 SX – S	URFACE			
5-1/2"	', N-80	17.0#	8275'	6-3/4"	360 SX - 32	286' (CBL)			
					ļ				
				·					
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) 8212'	PACKER SET (MD)		
					EUE 8rd	0212	none		
31 PERFORATION RI	ECORD (Interval, size, and	number)		32 ACID. SHOT, FRAC	TURE, CEMENT SQUEEZE,	ETC	<u> </u>		
	3001ED (1E1011 · E1) 57EU, MID			DEPTH INTERVAL		TERIAL USED			
			ı	(MD)					
						00# 100 orl DASE followed with 121 000# 40/70			
Upper Mancos · '	Total of 75, 0 34" ho	oles		7045'-7246'	mach DASE	# 100 mesh BASF followed with 121,000# 40/70 RCUD SEP 24 'OS			
					illesii bAsr				
					Fraced with 5000# 1	00 mesh BASE follo	wed with 95 100# 40/70		
Lawan Managa T	Catal of 126 A 24" ha	ion 🖊		7358',.7530'	mesh BASF	0# 100 mesh BASF followed with 95,100# 40/70 OIL CONS. DIV.			
<u>Lower Mancos</u> Total of 126, 0 34" holes 7358'-7530' mesh BASF							CAL VEHAD. CAY.		
33 PRODUCTION							no.		
DATE OF EINST PRODUCTION PRODUCTION							WELL STATUS (PRODUCING OR SI)		
DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)							US (FRODUCING UK SI)		
			Flow	ving ~		SI – waiting on tie-in			
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO		
i		ł	PERIOD	GIL - DDL	5.15 MOI		5.2 5.2 Millo		
9-18-09	l hr	2"	LENOD						
	İ								
FLOW TBG PRESS	CASING PRESSURE	CALCULATEE	24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)		
0	220 lb /				487 mcf/d √				
ŀ	22010								
34 DISPOSITION OF C	GAS (Sold, used for fuel, ve	nted, etc) TO BE SOLD		·		TEST WITNESSED B	Y Serjio Borunda		
35 LIST OF ATTACHN	MENTS SUMM	MARY OF POROUS ZO	ONES, WELLBORE DIAGE	RAM, Directional EOW	report				
35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report							ED FOR RECORD		

TITLE Drlg COM DATE 9-21-09

SEP 2 2 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 BOTTOM DESCRIPTION, CONTENTS, ETC NAME TOP MEASURED DEPTH NAME TRUE VERTICAL DEPTH PICTURED CLIFFS 3420' 3173' LEWIS 3770' 3522' CLIFFHOUSE 5617' 5368' MENEFEE 5663' 5414' POINT LOOKOUT 5918' 5669' MANCOS 6436' 6187' DAKOTA 8134' 7885'

In Lieu of Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE
SEP 2 1 2009
(See other instructions on

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

5 LEASE DESIGNATION AND LEASE NO.

reverse side) Bureau of Land Mener c. 1906 NMSF-078771
6. IF INDIAN, ALLOTTEE OR

1	WELL COMPLI	ETION OR REC	COMPLETION R		OG*	0. IF INDIAN,ALEO			
						7. UNIT AGREEMENT NAME			
1a. TYPE OF WELL. FOIL WELL X GAS WELL DRY OTHER						Rosa Unit			
	OF COMPLETION IEW WELL WORKO	VER DEEPEN PL	UG BACK DIFF RESVR	OTHER		Report	to lease		
2 NAME	OF OPERATOR	8 FARM OR LEASE NAME, WELL NO							
		9 API WELL NO	osa Unit #16D						
3 ADDRESS AND TELEPHONE NO							0.20740		
4 100	ATION OF WELL (R.		Aztec, NM 87410 (505				9-30749 - OOC\ POOL, OR WILDCAT		
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 1015' FSL & 1300' FWL, sec 14, T31N, R6W At top production interval reported below: 2034' FSL & 1974' FWL, sec 14, T31N, R6W At total depth: Same							Basin Dakota		
						II SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 14, T31N, R6W			
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR	13 STATE		
···	16 DATE T D	17 DATE COMPLETE	D (READY TO PRODUCE)	10 ELEVATIONS (DV	DVD DT CD ETC *	Rio Arriba	New Mexico		
15. DATE SPUDDED 7-7-09	REACHED 7-21-09	1	-19-09		, RKB, RT,GR,ETC)* 19 ELEVATION CASINGHEAD 55' GR		SINGILAD		
20 TOTAL DEPTH, MD & TVD 8275' MD / 8062' TVD 21 PLUG, BACK T D, MD & TVD 8262' MD				22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS		
			M, NAME (MD AND TVD)*	1 M A 7T	2226	25 WAS DIRECTIONAL SURVEY MADE			
	OTA 8135'-8228' AND OTHER LOGS RUN	MD Comn	ningled with Mesaverde a	ind Mancos per AZI	-3226 YES 27 WAS WELL CORED		ED		
Aray Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector and CBL						No			
	(Report all strings set in well IZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM		AMOUNT PULLED		
	4", J-55 	40 5#	311'	14-3/4"	290 SX - St				
7-5/8	", K-55	26.4#	3918'	9-7/8"	660 SX – SU				
5-1/2	", N-80	17.0#	8275'	6-3/4"	360 SX – 328	36' (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 EUE 8rd	8212'	none		
31 PERFORATION R Dako <u>ta.</u> Total of	ECORD (Interval, size, and to 78, 0 34" holes	number)		32 ACID, SHOT, FRACT DEPTH INTERVAL (MD)	URE, CEMENT SQUEEZE, ETC AMOUNT AND KIND OF MATERIAL USED				
				8135'-8228'	Fraced with 5246# 10 mesh BASF	5246# 100 mesh BASF followed with 84,794# 40/70 RCVD SEP 24 '09			
						OIL CONS. DIV.			
33 PRODUCTION							DO.S		
DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)						WELL STATUS (PRODUCING OR SI)			
Flow				ing /	SI – waiting on		vaiting on tie-in		
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO		
9-18-09	1 hr	2"	PERIOD						
FLOW TBG PRESS	CASING PRESSURE	SING PRESSURE CALCULATED 24-HOUR RATE		OIL – BBL GAS – MCF		WATER - BBL OIL GRAVITY-API (CORR			
0	220 ІЬ				316 mcf/d				
34 DISPOSITION OF	GAS (Sold, used for fuel, ver	nted, etc) TO BE SOLD			,	TEST WITNESSED-B			
35 LIST OF ATTACH	MENTS SUMN	MARY OF POROUS ZO	ONES, WELLBORE DIAGE	RAM, Directional EOW	report	ACCEPTED FOR HELLORD			
/		nformation is complete and	correct as determined from all av	allable records	9-21-09		P 2 2 2009		

SEP 2 2 2009 FARMINGTON FIELD OFFICE BY TL Solvers

10

ushion used, time tool open,	flowing and shut-in pressures, a	es of porosity and contents thereof, and recoveries)				ERS		
FORMATION	TOP BOTTOM		DESCRIPTION, CONTENTS, ETC.		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						PICTURED CLIFFS	3420'	3173'
						LEWIS	3770'	3522'
						CLIFFHOUSE	5617'	5368'
		ļ	ļ			MENEFEE	5663'	5414'
						POINT LOOKOUT	5918'	5669'
	,					MANCOS	6436'	6187'
						DAKOTA	8134'	7885'

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

(See other instructions on reverse side)

Expires February 28, 1995

5 LEASE DESIGNATION AND LEASE NO.
NMSF-078771

				HAD't			VIVISF-078771	
,	WELL COMDI	ETION OD DE	COMPLETION D			6 IF INDIAN,ALLC	OTTEE OR	
	WELL COMPL	ETION OR RE	COMPLETION R			7. UNIT AGREEME	DIT MANG	
1a. Type of well 1 oil well X GAS WELL DRY OTHER						Rosa Unit		
		Z OAS WELL	DRI OTHER	Duranuari		1 .	Rosa Omi	
	OF COMPLETION <i>VEW WELL</i> WORK	OVER DEEPEN PI	JUG BACK DIFF RESVR	OTHERSTONICA	and Viorocomani	Num-	78407A-MV	
	OF OPERATOR		DI I / Tarenda					
2 NAME	OF OPERATOR	WILLIAMS DD		8.FARM OR LEASE	osa Unit #16D			
2 1000	COO AND MOVE COMPONED AN		ODUCTION COMPANY	· · · · · · · · · · · · · · · · · · ·			.08a Oint #10D	
3 ADDR	ESS AND TELEPHONE N	9. API WELL NO	20 20740					
4 100	TION OF THE A		39-30749-00C3					
	,	•	and in accordance with	any State requiremen	ts)*	10 FIELD AND POOL, OR WILDCAT		
		1300' FWL, sec 14, T	31N, R6W I' FSL & 1974' FWL, se	- 14 T21N D6W		Blanco Mesaverde		
	al depth Same	reported below . 203	+ rst & 19/4 rwt, se	c 14, 131N, ROW				
111 101	a depar ourse					11 SEC, T,R,M, OR BLOCK AND SURVEY OR AREA		
				F*	DATE ISSUED	Sec I	14, T31N, R6W	
				14 PERMIT NO	DATEISSOLD	Rio Arriba	13 STATE New Mexico	
15 DATE	16 DATE T D	17 DATE COMPLETE	ED (READY TO PRODUCE)	18 ELEVATIONS (DK	, RKB, RT,GR,ETC)*	19 ELEVATION CA	SINGHEAD	
SPUDDED	REACHED	9	-19-09	l	GR some con a second			
7-7-09	7-21-09					RCVD SEP 24 '09		
20 TOTAL DEPTH, I 8275' MD	мD & TVD / 8062' TVD	21 PLUG, BACK T D 8262' MD	, MD & TVD	22 IF MULTCOMP, HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS	
			M, NAME (MD AND TVD)*	3 *		1 .	NAL SURVEY MADE	
	SAVERDE: 5754'-			and Dalesta was A	7T 2226		IST S	
	AND OTHER LOGS RUN		Commingled with Mar	icos and Dakota per F	12.1-3220	27. WAS WELL COR	, 6 N × F 1	
Aray Induction	n, Compensated Gan	nma Ray-Density-Ne	utron, Temperature, Ultra	Sonic Gas Detector	and CBL	No		
28 CASING REPORT	(Report all strings set in we	II)				<u> </u>		
	IZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN	MENTING RECORD	AMOUNT PULLED	
10-3/	4", J-55	40.5#	311'	14-3/4"	290 SX - S	URFACE		
7-5/8	", K-55	26 4#	3918'	9-7/8"	660 SX SI	JRFACE		
		17.0#	8275'	6-3/4"	360 SX - 3286' (CBL)			
5-1/2", N-80 17.0# 8275'				0-3/4				
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)	
- CIEC	TOT (MD)	BOTTOM (MB)	DACKS CEMENT	SCIGERI (MES)	2.375", 4.7#, J-55	8212'	none	
					EUE 8rd			
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE,	QUEEZE, ETC AMOUNT AND KIND OF MATERIAL USED		
				(MD)	AMOU	TINI AND CHILA	TERIAL USED	
		_						
Upper Mesaverde	s. Total of 57, 0 34	' holes		5754'-5843'	Fraced with 80,282# 20/40 mesh BASF			
Lower Mesaverdes: Total of 68, 0.34" holes 5904'-6215' Fraced with 80,134# 2							20/40 mesh BASF	
		· ·						
33 PRODUCTION					÷			
DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing			JCTION METHOD (Flowing, ga	as lift, pumping-size and type	of pump)	WELL STATUS (PRODUCING OR SI)		
FI				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	
		2"	PERIOD					
9-18-09	1 hr	_				;		
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	D 24-HOUR RATE	OIL ~ BBL.	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)	
0	220 lb -			İ	514 mcf/d √			

35 LIST OF ATTACHMENTS SUN

220 lb

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

___ TITLE <u>Drlg COM</u> DATE <u>9-21-09</u>

SEP 2 2 2009

ACCEPTED FOR RECORD

TEST WITNESSED BY Sergio Borunda

FARMINGTON FIELD OFFICE

NMOCD #

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 воттом TOP DESCRIPTION, CONTENTS, ETC NAME TOP MEASURED DEPTH NAME TRUE VERTICAL DEPTH PICTURED CLIFFS 3420' 3173' LEWIS 3770' 3522' CLIFFHOUSE 5617' 5368' 5663' 5414' MENEFEE POINT LOOKOUT 5918' 5669' 6187' MANCOS 6436' DAKOTA 8134' 7885'