(October 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other Instructions on reverse side) FOR APPROVED OMB NO 1004-0137

Expires December 31, 1991
5 LEASE DESIGNATION AND SERIAL NO

SF-078740

WELL (	COMPL	ETION OR	RECOMPL	ETION REPO	ORT AND	LOC	à*	6 IF IN	IDIAN, ALLOTTE	E OR TRIBE NAME	
1a TYPE O	F WELL.	OIL WEL	GAS X	DRY Other		· · · · · · · ·		١.	NMNM	- 78419B-DK	
TVDE O								7 UNIT	FAGREEMENT I	NAME J.	
p TYPE O	F COMPLET NEW 🔽	ION: WORK DEE	P- PLUG	DIFF	- No. 100		四四個	LOSEAD	San Jua M OR LEASE N	an 30-5 Unit	
	WELL A	OVER FN	BACK	RESVR Other	13	7-6	الما الما	VO TAN			
a NAME C	OF OPERATO	)B					1000	Q APIN	WELL NO	97M ;	
-		ips Company				NOV	24 2005	3 7411	20.0	39-30708 <b>-00C</b> \	
		EPHONE NO.	<del></del>					40 FIE	ĽD AND POOL,	OR WILDCAT	
		9, Farmington, I		5) 326-9700	Aut	REALU OF	Land Man	PITOR	Basi	n Dakota	
•		•	,	ance with any State re	equirements)*	Famil	Michiel II radio	-11 SE	C., T , R , M , OF RAREA	BLOCK AND SURVEY	
At surfa	ce D	(NWNW), 690' FI	NF & 992, F.M.F.				•			WD DEC 1709	
At ton ru	rod interval r	eported below	SAME AS ABO	OVF '				l		T30N, R5W	
		•				_CONS.DIV.					
At total	depth SA	ME AS ABOVE							1312	- vurs. or. DIST. S	
				12. CO	UNTY OR	13 STATE					
								PA	ARISH		
15 DATE SP	UDDED 16	DATE T D REACHE	D 17 DATE CO	OMPL (Ready to prod.)	<u> </u>	140 ELE	VATIONS (DF, R		Arriba	New Mexico  19 ELEV CASINGHEAD	
06/30/2	I .	07/07/2009		11/16/2009		I'S ELE	GL 6269'	KB 6		I S ELEV CASINGHEAD	
	EPTH, MD &TV		BACKTD MD&TVD		OMPL,	23 INTE	ERVALS	ROTARY		CABLE TOOLS	
			==0.01	HOW M		DRI	LLED BY	ı		1	
24 PRODUC	7711'	L (S) OF THIS COMP	7708'	, NAME (MD AND TVD)*				12	yes 5 WAS DIREC	TIONAL	
				,				- ا	SURVEY MA	ADE	
		706' - 7627' THER LOGS RUN						07 14/40	WELL CORED	No	
	CL/CBL	THEN LOGS NON						ZI WAS	WELL CORED	No	
28	<u> </u>			CASING RECORD (	Report all string	s set in v	vell)				
	ZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD				MENTING RECO	RD	Al	MOUNT PULLED	
9 5/8"		36#	231'	12 1/4"			(210cf-37bbl			15 bbls	
7"/		20#	3408'	8 3/4"		009cf-180bb					
4 1/2"	/ L-80	11.6#	7710'	6 1/4"	30.	r, 313s	x(630cf-112t	<u></u> -	ING RECORD	<del></del>	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	* SCREEN (MD)							
					2 3/8", 4.7#,	L-80	7646'				
250500	17:01:05:000		<u> </u>								
<sub>31</sub> PERFOR. <b>Dakota w/ .</b>		D (Interval, size and no	imber)	32 <b>7706'</b> -		· · · · · · · · · · · · · · · · · · ·	, FRACTURE,				
2SPF @ 77		= 54 Holes		7700 -	7027	1	e w/ 20bbis 119# of 20/4(	15% HCL. Frac w/ 97,251gals SlickWater			
2011 0 11	00 1021	- 01110.00	u.			W/ 30,	119# 01 20/40	J SLC S	anu		
Dakota Tot	al Holes =	54 /				1	•				
33 DATE FIRST PE	RODUCTION	PROD	JCTION METHOD (Flo	PR wing, gas lift, pumping-si	ODUCTION ze and type of pur	(0)			VELL STATUS (/	roducing or shut-in)	
D/(12 * 11.0 * 1 * 1	N/A	1	OWING 🖊 🐪	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	. ,		1	SI –	,	
DATE OF TEST		HOURS TESTED	1 )	ROD'N FOR OILBI	BL	GASN	ICF	WATER	BBL	GAS-OIL RATIO	
11/16	/2009 /	1 hr.	1/2"	ESTFERIOD	0	2:	3 mcf/h		race		
FLOW TUBING		CASING PRESSURE		OILBBL	GASMCF		WATER88		itace	OIL GRAVITY-API (CORR.)	
			24-HOUR RATE		ļ · ,		,		_	,	
SI - 7		SI - 582psi Sold, used for fuel, ven	tod etc.)	00	542 mcf	/d	2	bwpd		,	
34. DISPUSIT	HON OF BAS (S	To be sold	16.d, 610 j		•			l"	EST WITNESSE	Yau	
35 LIST OF A	TTACHMENTS									<del>,</del>	
				well being DHC							
36 I hereby c	ertify that the fo	regoing and attached i	nformation is complete	and correct as determined	d from all available	records					
	1	1-1	_			_			/	12 - 1	
SIGNED 4	onto	x jago	7a TITLE	Re	gulatory Tecl	nnicain		DATE _	11/24/	2004	
		/ *(\$	ee Instructions	s and Spaces fo	r Additional	Data	on Reverse	Side)	ACCE	alien end occupa	
Title 18 U.S	C Section	1001 makes it a	crime for any no	raan kaawinah and	ممصمة بالبياقاليين				ncy of the	LIED LOWVERONN	
United State			Crime for any per	ison knowingly and	williumy to ma	ike to a	ny departmer	it of age	incy of the	H	
United State	es any false	, fictitious or frau	dulent statements	rson knowingly and or representations	as to any ma	ike to a atter wit	ny departmer hin its jurisdic	it of age tion.	nicy of the	v j 0 2009	

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FARMINGTON FIELD OFFICE By Ti Solvers

				•.	47
API # 30-039-30708	<u> </u>		San Juan 30-5 Unit 97M		
Ojo Alamo	2382'	2505'	White, cr-gr ss.	Ojo Alamo i	2 <b>3</b> 82'
Kirtland	2505'	2826'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2595'
Fruitland	2826'	3194'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2826'
Pictured Cliffs	3194'	3348'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3194
Lewis	3348	3974	Shale w/siltstone stringers	Lewis	33,48'
Huerfanito Bentonite	3974'	4306	White, waxy chalky bentonite	Huerfanito Bent.	3974'
Chacra	4306	4888'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4306'
Mesa Verde	4888'	5186'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4888'
Menefee	5186'	5450'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5186'
Point Lookout	5450'	5849'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5450'
Mancos	5849'	6698'	Dark gry carb sh.	Mancos	5849'
Gallup	6698	7445'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6698
Greenhorn	7445'	7488'	Highly calc gry sh w/thin lmst.	Greenhorn	7445'
Graneros	7488'	7587'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7488'
Dakota	7587'	•	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	7587'
Morrison		ı	Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	1

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Form 3160-4

(October 1990)

## **UNITED STATES DEPARTMENT OF THE INTERIOR**

SUBMIT IN DUPLICATE\* (See other in-structions on reverse side)

FOR APPROVED OMB NO 1004-0137

		D			
	Expires	December	31.	199	1
LEAGE	SCOLONIA	TIONI AND	000	SLAI	

Ε	DESIGNATIO	n and	SERIA

CONTACTED		
OMB NO 1004-0137		
Expires December 31, 1991	Cij	
E DESIGNATION AND SERIAL NO	Tarry (man)	
SF-078740	deneral paneral	
DIAN, ALLOTTEE OR TRIBE NAME	W C	1
1VM-APIP87 -MMM	land land	1
AGREEMENT NAME	10241	•
San Juan 30-5 Unit	in in the	
OR LEASE NAME, WELL NO	landing laward	
1.		

				UNEA	OF LANE	VIVIAINAC	ZEMEN						-078740	
		ETIO	N OR F	REC	OMPLE	TION	REP	ORT AND	LO	G*	6 IF	INDIAN, ALLOTT	EE OR TRIBE NAME	
1a TYPE OF	WELL		OIL.		WELL X	DRY	Other					MMM	1- 78419 A-MV)	
b TYPE OF	COMPLET	ION:								,	7 UI	NIT AGREEMENT San Jua	an 30-5 Unit	
	WELL X	WORK	DEEP- EN		PLUG BACK	DIFF RESVR	Other				8=FARM OR LEASE NAME, WELL NO			
								Ĭ,	25		احطا		97M	
2 NAME OF	OPERATO OncoPhil		mpany					1	100	_ سدير	9 AF	21 WELL NO 30-0	39-30708 <b>-00C</b>	
3 ADDRES								· · · · · · · · · · · · · · · · · · ·		NOV Z 4 ?	U100F	IELD AND POOL,	OR WILDCAT	
			ington, Ni		19 (505) I in accordance	326-9					1100	COSTAIN N	Mesaverde	
4 LOCATIO			), 690' FNI	•		e wiiri ariy	Siale lei	quirements) t	eneria E	en of Lengin	24 C	OR AREA	Mesaverde R BLOCK AND SURVEY	
/ ii startace		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,, 000 TTG	_ u 00	0 1 112			י	Fa	au of Land A Emphagian Fi	الكامات	1		
At top pro	od. interval r	eported be	elow	SAM	E AS ABOV	E							, T30N, R5W	
At total de	epth S/	AME AS	ABOVE							٠.		•		
					14	PERMIT	NO	DATE ISSUE	-n		12 (	COUNTY OR	13 STATE	
					.   '''		.,,					PARISH		
15 DATE SPU	DDED 16	DATE T	D REACHED	, T	7 DATE COM	IPL (Read	v to prod \		Tie Fi	LEVATIONS (DF, R	R BT	io Arriba	New Mexico  19 ELEV CASINGHEAD	
06/30/20	009	07/	07/2009			11/16	5/2009			GL 6269'	KB	6284'	1 - LEET GABRIERO	
20 TOTAL DE	PTH, MD &T	VD	21 PLUG, E	BACK T [	D , MD &TVD	22 IF MU	LTIPLE CO			ITERVALS PRILLED BY	ROTAR	Y TOOLS	CABLE TOOLS	
	7711'			7708			2					yes	L	
24 PRODUCT	ION INTERV	AL (S) OF 1	THIS COMPLE	TION-T	OP, BOTTOM, N	VAME (MD	AND TVD)	*				25 WAS DIRECT		
			8' - 5776						•				No	
26. TYPE ELEC	CTRIC AND (	OTHER LO	GS RUN								27 WA	S WELL CORED	No	
28	COBL				C	ASING RE	FCORD (	Report all strings	s set in	well)			110	
CASING SIZE		WEIGH	IT, LB./FT	DEP	TH SET (MD)	HOLE	SIZE	TOP OF CE	MENT, C	CEMENTING RECO		Al	MOUNT PULLED	
9 5/8" / 7" / J			36# 20#		231' 3408'		1/4" 3/4"	Surface, 164sx(210cf-37bb) Surface, 495sx(1009cf-180b)						
4 1/2" /			1.6#		7710'		/4"			sx(630cf-112b		OU DDIS		
29	,		LINER RE		(0 OF 14T) T	Looper		30				BING RECORD		
SIZE	TOP (MD)	BOI	TOM (MD)	SACI	KS CEMENT*	SCREE	EN (NID)	SIZE 2 3/8", 4.7#,	L-80	DEPTH SET (I	MD)	PF	ACKER SET (MD)	
				<u> </u>										
Point Looko		•				32.	5776' -			OT, FRACTURE,			20.165gals 60%	
1SPF @ 577									1				a Sand & 5,000# of	
Upper Mene		_		•					SLC	Sand. N2:1,16	8,300	SCF	<u> </u>	
1SPF @ 527: Lewis w/ .34		= 24 Hoi	es				5272' -	4890'			15% HCL. Frac w/ 122,917gals 60%			
1SPF @ 463		= 25 Hol	es ·			'				(Water w/ 97,1) Sand. N2:1,16	120# of 20/40 Arizona Sand & 5,000# of			
Mesaverde 1	Cotal Hole	c - 78 :	<b>3</b> E				4634' -	4308'			_		/ 101,055# of 20/40	
MCSAVCI GC 1	otal Hole	3-70	73			<u> </u>			Arizo	ona Sand. N2:1	:1,277,800SCF			
33								ODUCTION	L		•		· · · · · · · · · · · · · · · · · · ·	
DATE FIRST PRO	ODUCTION TO N/A			WING		ig, gas lift, p	oumpings	ize and type of pur	np)			SI	Producing or shut-in)	
DATE OF TEST		HOURS T		CHOKE	SIZE PRO	D'N FOR T PERIOD	OILBI	BL.	GAS-	-MCF	WATE	RBBL	GAS-OIL RATIO	
11/12/2	2009 /	1	hr.	1.	/2"	PERIOD		0	-	70 mcf/h	(	0 bwph		
FLOW TUBING				CALCU	LATED OI	LBBL	- <del>L</del>	GASMCF	L	WATERBB			OIL GRAVITY-API (CORR )	
SI - 75	5nei	SI-	582psi	24-HUU	R RATE	0		1690 mc	<sub>1/d</sub> –	١ ،	bwp	d		
34. DISPOSITIO		(Sold, used	for fuel, vent	ed, etc )	· · · · ·				-			TEST WITNESSE	ED BY	
35 LIST OF AT	TTACHMENT		e sold											
								er order # 31						
36 I hereby ce	rtify that the f	oregoing ar	nd attached in	tormatio	n is complete an	nd correct as	s determin	ed from all availabl	e record	ds ,			, —	
SIGNED /	1	1-	Talan	<b>7</b>	TITLE		Re	gulatory Tech	nnicai	'n	DATE	11/24/2	2009	
	700		1 +10-	o Inc		and Con				on Poverse		112 112		

/ \*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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ACCEPTED FOR RECORD

API # 30-039-30708			San Juan 30-5 Unit 97M		<u>,                                    </u>	42
Ojo Alamo	2382'	2505'	White, cr-gr ss.		Ojo Alamo 😉	238 <del>2</del>
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Morrison		1	Interbed grn, brn & red waxy sh & fine to coarse grn ss		Morrison	1

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