Form 3160-4 (October 1990)

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

**BUREAU OF LAND MANAGEMENT** 

SUBMIT IN DUPLICATE

(See other in-structions on reverse side)

FOR APPROVED OMB NO 1004-0137

Expires December 31, 1991
5 LEASE DESIGNATION AND SERIAL NO

									SF-	078604	
WELL (	COMPLI	ETION OR F	RECOMPLE	TION REPO	ORT AND	LOG	ì*	6 IF	NDIAN, ALLOTTE	E OR TRIBE NAME	
1a TYPE O	F WELL	OIL, WEI.L	GAS WELL X	DRY Other	- Ren (C.	FI	WED				
b TYPE O	F COMPLETION	ON·						7 UN	IT AGREEMENT	to lease.	
	NEW X	WORK DEEP- OVER EN	PLUG BACK	DIFF RESVR Other	DEC	16	2009	8 FA	RM OR LEASE N		
		OVER	BACK []	NESVH				L	Ceda	r Hill 2M	
	F OPERATO				Bureau of La			9 AP	I WELL NO		
	UTIINGTON I		& Gas Company	<u>/</u>	Farmingto	n Fie	id Office	10 5	30-0- ELD AND POOL.	45-34911 - 66C1	
		, Farmington, NN	1 87499 (505	326-9700				10 1		n Dakota	
			arly and in accordance		quirements)*			11 S		BLOCK AND SURVEY	
At surfac	e <b>D</b> (	NWNW), 1150' FN	IL & 765' FWL					c	R AREA		
At top prod. interval reported below SAME AS ABOVE										DEC 22 '09	
At top pi	og. micryanie	ported below	OAME AS ABOV	_				Sec. 29, T32N, R10W OIL CONS. DIV.			
At total d	lepth SA	ME AS ABOVE							OIL		
			114	PERMIT NO.	DATE ISSUE	<u> </u>		12 C	OUNTY OR	DIST. 3	
			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	. 2	1				PARISH	13. STATE	
···			147 5475 001	(D) (Barrier				s	an Juan	New Mexico	
15 DATE SP 09/23/2		DATE T D REACHED 10/06/2009	17 DATE CON	IPL (Ready to prod.) 12/10/2009		18. ELE	VATIONS (DF, REGL 6032)		BR, ETC )* <b>6047'</b>	19 ELEV CASINGHEAD	
	EPTH, MD &TVI		BACK T.D., MD &TVD	22 IF MULTIPLE CO			ERVALS		Y TOOLS	CABLE TOOLS	
	7503'		74061	HOW N		DR	ILLED BY	l		ı	
24 PRODUC		L (S) OF THIS COMPLE	7486' TION-TOP, BOTTOM, N						yes 25. WAS DIRECT	TIONAL	
D:	Dalasta 70	001 74001		,					SURVEY MA		
	Dakota 72	THER LOGS RUN					····	27 WAS	WELL CORED	No	
	CL/CBL			k		_		27 117.0		No	
28			(	CASING RECORD							
CASING SI 9 5/8"		WEIGHT, LB /FT 32.3#	DEPTH SET (MD)	HOLE SIZE 12 1/4"			MENTING RECO		AN	MOUNT PULLED	
9 5/6	/ N-40	32.3#	230	12 1/4			(122cf-22bbls ST@1942'	<del>'</del> –		2 bbls	
7"/	J-55	20#	3289'	8 3/4"			f-175bbls)		:	22 1/2 bbls	
4 1/2"	/ L-80	11.6#	7487'	6 1/4"		, 309s	x(622cf-111b				
29 SIZE	TOP (MD)	LINER RE BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 SIZE	—т	DEPTH SET (F		BING RECORD	CKER SET (MD)	
OILL	TOT (MID)	2011011/(1112)	ONORGO DEMERTI	OUTLET (IND)	2 3/8", 4.7#,	J-55	7365'	<del>,,D,</del>		OREIT GET (WID)	
31 PERFOR <i>i</i> Dakota w/ .:		) (Interval, size and num	nber)	32 7206' -			T, FRACTURE,				
	34 uiain. 56' - 7468' =	54 Holes	7296' - 7468' Acidize w/ 10bbls 3						. •		
_	96' - 7358' =		}			75,800SCF.	)U# UI	20/40 A112011	a Sand.		
		•									
Dakota Tota	al Holes ≃ 7	0-									
33					ODUCTION						
DATE FIRST PE	RODUCTION N/A	1	CTION METHOD (Flowin	ng, gas lift, pumpings	ize and type of pump	<del>)</del>		ı	WELL STATUS (7 SI -	roducing or shut-in)	
DATE OF TEST		HOURS TESTED	CHOKE SIZE PRO	DD'N FOR OIL-B	BL	GASN	ACF .	WATE		GAS-OIL RATIO	
			1	T PERIOD		_					
12/09/ FLOW TUBING	2009 -	1 hr. CASING PRESSURE	1/2" CALCULATED O	ILBBL	GASMCF	3	4 mcf/h WATERBBL		trace	OIL GRAVITY-API (CORR.)	
			24-HOUR RATE		1	1	***************************************	-		0.2 41.7(1117) (00(1117)	
SI - 42		SI - 259psi		00	817 mcf/	d 🚺	2	bwpc			
34 DISPOSIT	TON OF GAS (S	Sold, used for fuel, vente To be sold	d, etc )					Ì	TEST WITNESSE	D BY	
35 LIST OF A	TTACHMENTS		<del></del>				/	I			
This is goir	ig to be a B	asin Dakota/Blan	co Mesa Verde w	ell being DHC pe	er order # 3103	AZ	_				
36. I hereby c	ertify that the for	egoing and attached inf	ormation is complete an	d correct as determine	d from all available r	ecords					
	0	11-1-1	1	_					10/11	12.00	
SIGNED	most	al /af	aya TITLE		gulatory Tech			DATE _	10/16/	12007	
		-	er Instructions	-					19	CEPTED FOR RECORD	
			rime for any perso							-	
United State	s any raise,	nemous or traudu	llent statements or	representations	as to any matte	er with	ın its jurisaictic	on.	1	DEC 2 1 2009	

FARMINGTON FIELD OFFICE BY TL SON 673

					•_
API # 30-045-34911	T		Cedar Hill 2M	5	<u> </u>
Ojo Alamo	1024'	1115'	White, cr-gr ss.	Ojo Alamo 🔪	1024
Kirtland	1115'	2399'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2,1115
Fruitland	2399'	2832'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2399
Pictured Cliffs	2832'	2989	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3 2832
Lewis	2989'	3524'	Shale w/siltstone stringers	Lewis	2989
Huerfanito Bentonite	3524'	3977'	White, waxy chalky bentonite	Huerfanito Bent.	3524
Chacra	.3977'	4373	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3977
Mesa Verde	4373'	4750'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4373
Menefee	4750'	5107'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4750
Point Lookout	5107'	5496'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5107
Mancos	5496'	6455'	Dark gry carb sh.	Mancos	5496
Gallup	6455'	7171'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6455
Greenhorn	7171'	7221'	Highly calc gry sh w/thin lmst.	Greenhorn	7171
Graneros	7221'	7293'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7221
Dakota	7293'	'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	7293
Morrison		1	Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

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## **UNITED STATES**

SUBMIT IN DUPLICATE (See other inFOR APPROVED

OMB NO 1004-0137

		ARTIMENT O			reverse se			ecember 31, 1991 ON AND SERIAL NO	
	В	UREAU OF LAN	D MANAGEMEN	ı		"			
WELL COMP	ETION OD I	6 15	SF-078604 6 IF INDIAN, ALLOTTEE OR TRIBE NAME						
WELL COMPI			TION REP				INDIAN, ALLOTTI	EE ON TRIBE WANE	
1a TYPE OF WELL	OIL WELL	GAS WELL X	DRY Other	_ BREA	EWE				
□ TYPE OF COMPLE	TION:			i Wilman W		7 UN	IT AGREEMENT	NAME	
NEW [7	WORK DEEP-	PLUG	DIFF		0 4 6 0000	8. FA	REDOCT	AME WELL NO	
WELL	OVER EN	BACK	RESVR Other	<u>U</u> E	<u>Ç 16</u> 2009	1			
2 NAME OF OPERAT	TOP.						Ceda	ar Hill 2M	
	n Resources Oil	& Gas Compa	าบ	Bureau of	Land Manage	eme nt° ^"	30-0	45-34911 - 00C2	
3 ADDRESS AND TE		a das compai	17	Farming	<del>ylon Field Of</del>	10 F	IELD AND POOL,	OR WILDCAT	
	89, Farmington, N		Blanco	Mesaverde					
4 LOCATION OF WE			nce with any State r	equirements)*		11 S	11 SEC , T , R , M , OR BLOCK AND SURVEY		
At surface	(NWNW), 1150' FI	NL & 765' FWL				) (	OR AREA		
At top prod. interval	reported below	SAME AS ABO	VE				Sec. 29, T32N, R10W		
	AME AO ADOVE					1	,		
At total depth S	AME AS ABOVE								
		14	. PERMIT NO.	DATE ISSUE	D	12 C	OUNTY OR	13 STATE	
		1				ı	PARISH		
			Tal. 12		,	s	an Juan	New Mexico	
15 DATE SPUDDED 16 09/23/2009	DATE T D REACHED 10/06/2009	DATE COL	MPL. (Ready to prod.) 12/10/2009		18 ELEVATIONS		KB, RT, BR, ETC.)* 19 ELEV CASII <b>KB 6047</b> '		
20 TOTAL DEPTH, MD &1		BACK T.D., MD &TVD	22 IF MULTIPLE CO	OMPL.	23 INTERVALS		Y TOOLS	CABLE TOOLS	
20 101740221 1171100		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	HOW N		DRILLED BY			-	
7503'		7486'	2				yes		
24 PRODUCTION INTERV	VAL (S) OF THIS COMPLE	ETION-TOP, BOTTOM,	NAME (MD AND TVD)	•			25 WAS DIREC SURVEY M		
Blanco Mesav	erde 4376' - 5460	)'					SURVETIVA	No	
26 TYPE ELECTRIC AND						27 WA	S WELL CORED		
GR/CCL/CBL	•							No	
28		(	CASING RECORD	Report all string	s set in well)				
CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)		TOP OF CE	MENT, CEMENTING		Al	MOUNT PULLED	
9 5/8" / H-40	32.3#	230'	12 1/4"		, 76sx(122cf-2			2 bbls	
				1	face, ST@194				
7" / J-55 4 1/2" / L-80	20# 11.6#	3289' 7487'	8 3/4" 6 1/4"		x(983cf-175bb ', 309sx(622cf		22 1/2 bbls		
29 29	LINER RE		0 1/4	30	, 3095X(622CI		TUBING RECORD		
SIZE TOP (ME		SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH	SET (MD)		ACKER SET (MD)	
			` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	2 3/8", 4.7#,		365'		· · · · · · · · · · · · · · · · · · ·	
	RD (Interval, size and num	nber)	32		D, SHOT, FRACT				
Point Lookout w/ .34			4877' -	5460'				48,342gals 60%	
1SPF @ 4877' - 5460 Menefee/Cliffhouse				SlickWater w/ 100				ona Sand.	
1SPF @ 4376' - 4810			N2:1,013,700SCF.				15% HCL. Frac w/ 46,830gals 60%		
				10.0	SlickWater w/			, ·	
Mesaverde Total Hol	les = 54 /		N2:980,300SCF.						
33.	7 PRODUC	CTION METHOD (Flow		ODUCTION	a)		WELL STATUS (	Producing or shut-in)	
DATE FIRST PRODUCTION N/A	1	WING -		and type of pull	r,		SI -	cadding of Structif	
DATE OF TEST	HOURS TESTED		OD'N FOR OILE	BL	GASMCF	WATE	RBBL	GAS-OIL RATIO	
		i !	ST PERIOD					,	
12/04/2009	1 hr.	1/2"		0	34 mcf/h		trace		
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED ( 24-HOUR RATE	DILBBL	GASMCF	WATE I	RBBL		OIL GRAVITY-API (CORR )	
SI - 424psi	SI - 259psi		0	825 mcf	/d -	3 bwp	n		
34 DISPOSITION OF GAS		ed, etc )		L OZO IIICI	<u> </u>	2 DWP	U TEST WITNESSE	D BY	
^	To be sold	-							
35 LIST OF ATTACHMEN	TS	, <u>, , , , , , , , , , , , , , , , , , </u>	- · · · · · · · · · · · · · · · · · · ·						
This is going to be a									
36 I hereby certify that the	foregoing and attached inf	ormation is complete ar	nd correct as determine	d from all available	records		-		
10	1 1	_					10/11	100	
SIGNED	al lalo	ya TITLE	Re	gulatory Tecl	nnicain	DATE	12/16	12009	
								/	

#(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.

API # 30-045-34911	J		Cedar Hill 2M		
Ojo Alamo	1024'	1115'	White, cr-gr ss.	Ojo Alamo	•1024
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Fruitland	2399'	2832'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2399'
Pictured Cliffs	2832'	2989	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	32832
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Morrison		'	Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	1

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