Form 3160-4 (October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

(See other In-structions on

SUBMIT IN DUPLICATE*

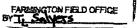
FOR APPROVED

OMB NO. 1004-0137

Expires December 31, 1991 5. LEASE DESIGNATION AND SERIAL NO

											SF-078417-			
WELL C	OMPL	ETION C)R REC	OMPL	ETION	REP	ORT AND	LC	G*	6 IF	INDIAN, ALLOTTE	E OR TRIBE NAME		
1a. TYPE OF	WELL		OIL WELL	GAS WELL X	DRY	Other					IMMM- 3	67156-VA		
		S, L	RECEIVED					7 UNIT AGREEMENT NAME						
b. TYPE OF						_		, B rac			San Juan 2	28-7 Unit		
	NEW X	WORK OVER	DEEP- EN	PLUG BACK	DIFF RESVR	Other	- FEB 2	<i>~</i>	onno	8 FA	ARM OR LEASE NA	AME, WELL NO		
		,				-	TEB #	0	2000		San Juan 2	8-7 Unit 220G		
2 NAME OF	F OPERAT	OR				p	ureau of Lar	el B.A.	nagomon		PI WELL NO	······································		
		HILLIPS COM	IPANY				Farmingtor				30-039-302 TELD AND POOL,	76 -01C1		
		EPHONE NO.					ammgtor	17.501	a-cinca	l .				
		89, Farmingto			5) 326-97							Blanco Mesaverde		
4 LOCATIO		L (Report locat			-	State r	requirements)*			1	SEC, T, R, M, OR OR AREA	BLOCK AND SURVEY		
At surface		nit F, (SENW)), 1665' FN	IL & 1910'	FWL					[011 D0514/ 1114D14		
At Bottom										Sec. 22, T28N, R07W, NMPM				
At top pro	od. interval	reported below	Unit	L, (NWSW	/), 2533' FS	L & 10	31' FWL			RCVD FEB 28 '08				
At total de	epth U i	nit L, (NWSW	/). 2533' F!	SL & 1031'	FWL					OIL CONS. DIV.				
		,,,	,,							L	LII.			
				1	4. PERMIT N	10.	DATE ISSUE	D		1	COUNTY OR	DIST. 3		
				i i			1				PARISH	New Mexico		
15. DATE SPU	JDDED 16	DATE T.D. REA	ACHED	17 DATE CO	OMPL (Ready	to prod.	<u> </u>	18 FI	EVATIONS (DF, RI	(B RT I		19. ELEV CASINGHEAD		
9/28/20		10/29/200			2008	, , , , ,		GL	6805'	KB	6820'	TO ELLE ON ONTO TEXT		
20 TOTAL DE				.D , MD &TVD				23 IN	TERVALS		RY TOOLS	CABLE TOOLS		
						HOW M	MANY*	D	RILLED BY			}		
	D / 7954'-			7942'-TVD		2	 -	L		L	X	<u> </u>		
24 PRODUCT	ION INTERV	AL (S) OF THIS C	OMPLE HON-	TOP, BOTTOM	I, NAME (MD AI	(טעו טא)*				25 WAS DIRECT SURVEY MA			
Basin (Dakota	7960' - 81	164'									Yes		
26 TYPE ELEC	CTRIC AND	OTHER LOGS RU	N							27 WA	S WELL CORED			
GR/CE	3L/CCL											No		
28				_	CASING RE	CORD	(Report all string	s set ir	well)					
CASING SIZE	E/GRADE	WEIGHT, LB /	FT DEF	TH SET (MD		SIZE	TOP OF CEN	MENT, C	EMENTING RECO	RD	AN	MOUNT PULLED		
	9-5/8", H-40 32.3# 349'				12-1/4" surface; 94sx (149					1 bbls				
7", L-80 4 -1/2", 1		23# 11.6#		5142' 8186'	8 3/4" 6 1/4"		surface; 840 TOC @ 3600				10 bbls			
29	L-00		ED BECOR		0 1/4		30.	, 230	SX (407 CI)	ŤI	I JBING RECORD			
SIZE	LINER RECORD TOP (MD) BOTTOM (MD) SACKS CEME		CKS CEMENT			SIZE		DEPTH SET (MD)			CKER SET (MD)			
		1			1	. (2-3/8"		8085'					
							4.7#							
•		RD (Interval, size a	ınd number)		32		ACI		OT, FRACTURE,	CEME	NT SQUEEZE, E	ETC.		
Dakota @ .		E 00 h - l -	_		7 9	960'-8	164'		ols 15% HCL					
		F = 20 hole: F = 50 hole:								s Slickwater w/41,080#				
Total DK h		 			20/40	TLC proppar	It							
TOTAL DITTI	0.00 - 7	•												
33. DATE FIRST PRO	ODUCTION		2000 CTONI	VETHOD (Elas	uina ann lift nu		RODUCTION ize and type of pum	-1			IMEL CTATUS /	Producing or shut-in)		
W/O faci		} ''	TODOCTION	ALTHOU (1 10)	Flowing	, •	іге ана туре от рыт	νį			SI	-roducing or shal-in)		
DATE OF TEST	111100	HOURS TESTED	CHOK	E SIZE P	ROD'N FOR	OILB	BL	GAS-	MCF	WATE	RBBL	GAS-OIL RATIO		
					EST PERIOD	1			1					
2/7/200		1	.5			<u></u>		44 m			.42 bwph			
FLOW TUBING F	PRESS	CASING PRESSI			OiLBBL		GASMCF		WATERBBI	L		OIL GRAVITY-API (CORR.)		
n/o		GI 340#	24-HO	UR RATE	0		1050		10					
n/a SI - 312#					0 1058 mcfd 10 bwpd					TEST WITNESSE	D BV			
	· · · · · · · · · · · · · · · · · · ·	g for facilitie			e can firet	deliv	er.				LOI WIIIVEGGE	J.,		
35 LIST OF AT				-3. 20101		20114					L			
This is a N	VIV/DK	commingle	well pe	r DHC o	rder 2649	AZ.								
							ed from all available	records	S			,		
		0												
SIGNED /	ame	desui	<u></u>	TITLE	Regulate	ory Te	chnician			DATE		2/26/2008		
			*/\$00.100		and Cra	000 4	v Additi =1	Det	on Payerso	6:4-		400000000000000000000000000000000000000		
			INDO INC	e e re e er e r r l l l l l l l l l l l	- ann who	···OC TO	u naalianal		OR HOVER	>100	. *			

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.



Ojo Alamo	2580'	2678'	White, cr-gr ss.	1.5	Ojo Alamo	2580'
Kirtland	2678'	3163'	Gry sh interbedded w/tight, gry, fine-gr ss.	rate C	Kirtland	2678'
Fruitland	3163'	3645'	Dk gry-gry carb sh, coal, grn silts, light-	# ₂	Fruitland	3163'
			med gry, tight, fine gr ss.			
Pictured Cliffs	3645'	3840'	Bn-Gry, fine grn, tight ss.	4	Pic.Cliffs	3645'
Lewis	3840'	4253'	Shale w/siltstone stringers	4.00	Lewis	3840'
Huerfanito Bentonite	4253'	4634'	White, waxy chalky bentonite		Huerfanito Bent.	4253'
Chacra	4634'	5240'	Gry fn grn silty, glauconitic sd stone w/drk gry shale		Chacra	4634'
Mesa Verde	5240'	5492	Light gry, med-fine gr ss, carb sh & coal		Mesa Verde	5240'
Menefee	5492'	5863'	Med-dark gry, fine gr ss, carb sh & coal	. 9	Menefee	5492'
Point Lookout	5863'	6398'	Med-light gry, very fine gr ss w/frequent		Point Lookout	5863'
			sh breaks in lower part of formation			1
Mancos	6398'	7117'	Dark gry carb sh.	1	Mancos	6398'
Gallup	7117!	7859'	Lt gry to brn calc carb micac glauc	3	Gallup	7117'
			silts & very fine gr gry ss w/irreg.interbed sh			
Greenhorn	7859'	7919'	Highly calc gry sh w/thin lmst.		Greenhorn	7859'
Graneros	7919'	7958'	Dk gry shale, fossil & carb w/pyrite incl.	3	Graneros	7919'
Dakota	7958'	X	Lt to dk gry foss carb sl calc sl silty		Dakota	7958'
			ss w/pyrite incl thin sh bands clay & shale breaks			
Morrison	X		Interbed grn, brn & red waxy sh & fine to coarse grn ss	1	Morrison	X

NOW TRAINER - MANNE

1677

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-078417-A

WELL COMP	PLETION OF	R RECO	MPLE	HONF	KEP	ORT AND	LO	G*	0 15	INDIAN, ALEOT IL	E OR TRIBE NAME	
1a TYPE OF WELL:	OI W	ELL GAS	s LL X	DRY	Other					F-MUMI	1VM-AE1 28	
b TYPE OF COMPL	ETION:						-	re ered w		IT AGREEMENT		
NEW !	WORK DE	EEP- PLU	JG 🗍	DIFF	Other	RE(E	WEL	3 78. FA	San Juan 2	ME, WELL NO	
WELL	OVER L EN	BAC	ж 🔲	RESVR	Other		- (Capaz	101 (2) Section 100	ſ		8-7 Unit 220G	
NAME OF OPERA	ATOR					FF I	3-2	6 2008 -	Q ΔΡ	WELL NO	6-7 UIII 22UG	
	PHILLIPS COMP.	ΔΝΥ						0 2000	- ~		76-01 c 2	
ADDRESS AND T						Bureau or	Lano	ivianageme	Mio F	ELD AND POOL,	OR WILDCAT	
	289, Farmington	. NM 87499	(505)	326-970	00			Field Office			lanco Mesaverde	
LOCATION OF W						equirements)*			11 S	EC., T, R, M, OR	BLOCK AND SURVEY	
At surface At Bottom	Unit F, (SENW),	1665' FNL 8	& 1910' F	WL						Sec. 22. T2	8N, R07W, NMPN	
At top prod. interv	al reported below	Unit L.	(NWSW).	2533' FSL	& 10	31' FWL			RCVD FEB 28 '08			
, ,	,	,	,,,						ì			
At total depth	Unit L, (NWSW),	2533' FSL 8								01	CONS. DIV.	
			14.	PERMIT NO	0.	DATE ISSUE	D			OUNTY OR	DIST.3	
									['	PARISH Rio Arriba	New Mexico	
5 DATE SPUDDED	16 DATE T D REAC	HED I17	DATE COM	IPL (Ready to	o prod.)	L	18. FI	EVATIONS (DF, F	KB. RT.		19 ELEV. CASINGHEAD	
9/28/2007	10/29/2007		2/7/20		,		GL	6805'	KB	6820'		
TOTAL DEPTH, MD 8		G, BACK T.D.		22 IF MULTI			23. INT	ERVALS		Y TOOLS	CABLE TOOLS	
	[HOW M	ANY*	DF	RILLED BY	,			
8187'-MD / 7954		5'-MD / 794			2		<u> </u>		<u> </u>	X	l	
PRODUCTION INTER	RVAL (S) OF THIS COM	APLETION-TOP,	, BOTTOM, N	NAME (MD AN	ID TVD)*	•				25 WAS DIRECT SURVEY MA		
Blanco Mesav	verde 5336'	- 6279'								SOLIVE! WA	Yes	
. TYPE ELECTRIC ANI									27 WAS	S WELL CORED	- 3-	
GR/CBL/CC	L										No	
			(ASING REC	COBD (Panart all atrina	4 /	11)				
					JUNU	neport an sumu:	s set in	well)				
	WEIGHT, LB./FT	DEPTH	SET (MD)	HOLE S				Well) EMENTING RECO	ORD	AA	OUNT PULLED	
	WEIGHT, LB./FT 32.3#	DEPTH 34	SET (MD)				MENT, C	EMENTING RECO	ORD	AM 1 bbls	OUNT PULLED	
9-5/8", H-40 7", L-80	32.3# 23#	34 51	SET (MD) 9' 42'	HOLE S 12-1/4" 8 3/4"		TOP OF CEN surface; 94s surface; 840	MENT, C x (149 sx (17	EMENTING RECO cf) 17 cf)	ORD		OUNT PULLED	
9-5/8", H-40	32.3# 23# 11.6#	34 51 81	SET (MD) 9' 42'	HOLE S		TOP OF CEN surface; 94s surface; 840 TOC @ 3600	MENT, C x (149 sx (17	EMENTING RECO cf) 17 cf)		1 bbls 10 bbls		
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4 -1/2", L-80	32.3# 23# 11.6# LINER	34 51 81 R RECORD	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4"	BIZE	TOP OF CEN surface; 94s surface; 840 TOC @ 3600	MENT, C x (149 sx (17	ementing reco cf) 717 cf) sx (467 cf)	ŤÜ	1 bbls 10 bbls BING RECORD		
9-5/8", H-40 7", L-80 4 -1/2", L-80	32.3# 23# 11.6# LINER	34 51 81 R RECORD	SET (MD) 9' 42'	HOLE S 12-1/4" 8 3/4"	(MD)	TOP OF CEN surface; 94s surface; 840 TOC @ 3600 30 SIZE	MENT, C x (149 sx (17 ; 230	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET	ŤÜ	1 bbls 10 bbls BING RECORD		
24-1/2", L-80	32.3# 23# 11.6# LINER	34 51 81 R RECORD	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4"	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8"	MENT, C x (149 sx (17 ; 230	ementing reco cf) 717 cf) sx (467 cf)	ŤÜ	1 bbls 10 bbls BING RECORD		
24 -1/2", L-80 SIZE TOP (M	32.3# 23# 11.6# LINER D) BOTTOM (MD	344 511 813 RECORD) SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7#	MENT, C x (149 sx (17 ; 230	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET 8085'	TU (MD)	1 bbis 10 bbis BING RECORD	CKER SET (MD)	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4 -1/2", L-80 SIZE TOP (M	32.3# 23# 11.6# LINER D) BOTTOM (MD	344 511 813 RECORD) SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7#	MENT, C x (149 sx (17 ; 230 D, SHO	EMENTING RECO cf) 717 cf) SX (467 cf) DEPTH SET 8085'	TU (MD)	1 bbls 10 bbls BING RECORD	CKER SET (MD)	
24 - 1/2", L-80 PERFORATION RECUSARY CASING SIZE TOP (M PERFORATION RECUSARY 2 - 34	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and	34: 51: 81: R RECORD) SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7#	MENT, C x (149 sx (17 ; 230 c), SHO	EMENTING RECO cf) 717 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE	TU (MD) CEMER	1 bbis 10 bbis BING RECORD PA NT SQUEEZE, E	CKER SET (MD) ETC.	
PERFORATION RECU 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF =	344 514 818 RECORD SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII	MENT, C x (149 sx (17; 230 c), SHO 10 bb	EMENTING RECO cf) /17 cf) sx (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6	TU (MD) CEME!	1 bbis 10 bbis BING RECORD PA VT SQUEEZE, E	CKER SET (MD) ETC.	
28ING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECT SAVERDE 3.34 F/PLO 5630'-62 /UMF 5336'-55	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and 279' @ 1 SPF = 52' @ 1 SPF = 52' @ 1 SPF = 52'	344 514 818 RECORD SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56:	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII	x (149) sx (177); 230 c), SHO 10 bb Frac v	EMENTING RECO cf) 717 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE	TU (MD) CEME!	1 bbis 10 bbis BING RECORD PA VT SQUEEZE, E	CKER SET (MD) ETC.	
28/19 SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECUSAVE G. 34 15/PLO 5630'-62 1/UMF 5336'-55	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and 279' @ 1 SPF = 52' @ 1 SPF = 52' @ 1 SPF = 52'	344 514 818 RECORD SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56:	(MD)	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII	sx (149 sx (179; 230 c), SHO 10 bb Frac v 20/40 10 bb	EMENTING RECO Cf) 717 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IIS 15% HCL W/1185bbls 6 Brady sand IIS 15% HCL W/1081bbls 6	TU (MD) CEMER 0Q Slii 8 1,210	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99,	CKER SET (MD) ETC. 0,300#	
28 TOP (M PERFORATION RECCESSIVE S 336'-55' CASING SIZE TOP (M PERFORATION RECCESSIVE 34' 15 (PLO 5630'-62' 17 (JUMF 5336'-55')	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and 279' @ 1 SPF = 52' @ 1 SPF = 52' @ 1 SPF = 52'	344 514 818 RECORD SACKS	SET (MD) 9' 42' 86'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56:	(MD) 30'-62 36'-55	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII	sx (149 sx (179; 230 c), SHO 10 bb Frac v 20/40 10 bb	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET 8085' T. FRACTURE is 15% HCL w/1185bbls 6 Brady sand is 15% HCL	TU (MD) CEMER 0Q Slii 8 1,210	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99,	CKER SET (MD) ETC. 0,300#	
PERFORATION RECU 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECU PERFORATION REC	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF = 52' @ 1 SPF = 560	349 STICKS RECORD SACKS number) 30 holes 30 holes	SET (MD) 9' 42' 86' CEMENT*	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56:	(MD) 30'-62 36'-55	TOP OF CEN surface; 94s: surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279'	ment, c x (149 sx (179; 230) c), SHO 10 bb Frac v 20/40 10 bb	EMENTING RECO Cf) 717 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IIS 15% HCL W/1185bbls 6 Brady sand IIS 15% HCL W/1081bbls 6	TU (MD) CEMER 0Q Slid & 1,21	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2	CKER SET (MD) ETC. 0,300# 600#	
QASING SIZE/GRADE 9-5/8", H-40 7", L-80 4 -1/2", L-80 . SIZE TOP (M PERFORATION RECG. PERFORATION	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF = 52' @ 1 SPF = 560	349 STICKS RECORD SACKS number) 30 holes 30 holes	SET (MD) 9' 42' 86' CEMENT*	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53:	(MD) 30'-62 36'-55	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII	ment, c x (149 sx (179; 230) c), SHO 10 bb Frac v 20/40 10 bb	EMENTING RECO Cf) 717 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IIS 15% HCL W/1185bbls 6 Brady sand IIS 15% HCL W/1081bbls 6	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2	CKER SET (MD) ETC. 0,300#	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4 -1/2", L-80 SIZE TOP (M PERFORATION RECORSAVER @ .34 IF/PLO 5630'-62 I/UMF 5336'-55 Ital MV holes =	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF = 52' @ 1 SPF = 560	349 STICKS RECORD SACKS number) 30 holes 30 holes	SET (MD) 9' 42' 86' CEMENT*	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56:	(MD) 30'-62 36'-55	TOP OF CEN surface; 94s: surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION ze and type of pum.	ment, c x (149 sx (179; 230) c), SHO 10 bb Frac v 20/40 10 bb	EMENTING RECO cf) 717 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6 Brady sand IS 15% HCL w/1081bbls 6 Brady sand	TU (MD) CEMER 0Q Sli & 1,21 0Q Sli & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2	CKER SET (MD) ETC. 0,300# 600#	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECORSAVER @ .34 IF/PLO 5630'-62 I/UMF 5336'-55 tal MV holes =	32.3# 23# 11.6# LINER D) BOTTOM (MD PRO! 279' @ 1 SPF = 52' @ 1 SPF = 560	349 510 813 RECORD SACKS number) 30 holes DUCTION METRIC	SET (MD) 9' 42' 86' CEMENT*	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: 9. gas lift, purm Flowing	(MD) 30'-62 PR ppingsize	TOP OF CEN surface; 94s: surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION ze and type of pum.	(149) sx (149) sx (17); 230 c), SHO 10 bb Frac v 20/40 frac v 20/40 gas	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET. 8085' T., FRACTURE. Is 15% HCL w/1185bbls 6 Brady sand Is 15% HCL w/1081bbls 6 Brady sand	TU (MD) CEMER 0Q Sli & 1,21 0Q Sli & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (F	CKER SET (MD) ETC. 0,300# 600#	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4 -1/2", L-80 SIZE TOP (M PERFORATION RECUBERATION RECUBERATION PRODUCTION W/O 5336'-55 tal MV holes = EFIRST PRODUCTION W/O facilities E OF TEST 2/4/2008	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF = 5 60 HOURS TESTED	349 510 816 8 RECORD SACKS number) 30 holes DUCTION METHOD CHOKE SIZ	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin ZE PRO TES'	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: g. gas lift, purm Flowing	(MD) 30'-62 PR ppingsize	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION ze and type of pum; 3L trace	(149) sx (149) sx (17); 230 c), SHO 10 bb Frac (20/40) 10 bb	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET. 8085' T., FRACTURE. Is 15% HCL w/1185bbls 6 Brady sand Is 15% HCL w/1081bbls 6 Brady sand	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (F	CKER SET (MD) ETC. 0,300# 600# Producing or shut-in) GAS-OIL RATIO	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4 -1/2", L-80 SIZE TOP (M PERFORATION RECUSAVERE @ .34 IF/PLO 5630'-62 I/UMF 5336'-55 tal MV holes = E FIRST PRODUCTION W/O facilities E OF TEST 2/4/2008	32.3# 23# 11.6# LINER D) BOTTOM (MD DRD (Interval, size and	349 510 816 RECORD) SACKS number) 30 holes DUCTION METI	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES OI	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: g. gas lift, purm Flowing	(MD) 30'-62 PR ppingsize	TOP OF CEN Surface; 94s; Surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION Ze and type of pum,	(149) sx (149) sx (17); 230 c), SHO 10 bb Frac v 20/40 frac v 20/40 gas	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET. 8085' T., FRACTURE. Is 15% HCL w/1185bbls 6 Brady sand Is 15% HCL w/1081bbls 6 Brady sand	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (F SI RBBL	CKER SET (MD) ETC. 0,300# 600# Producing or shut-in) GAS-OIL RATIO	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECUSAVE @ .34 IF/PLO 5630'-62 I/UMF 5336'-55 Ital MV holes = 1 EFIRST PRODUCTION W/O facilities E OF TEST 2/4/2008 W TUBING PRESS	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF = 52' @ 1 SPF = 52' @ 1 SPF = 160 HOURS TESTED CASING PRESSUR	349 510 816 8 RECORD SACKS number) 30 holes DUCTION METHOD CHOKE SIZ	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES OI	HOLE S 112-1/4" 8 3/4" 6 1/4" SCREEN 32. 563 Flowing D'N FOR T PERIOD L-BBL	(MD) 30'-62 PR ppingsize	TOP OF CEN Surface; 94s: Surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION Ze and type of pum. 3L trace GAS-MCF	(149 sx (149 sx (149 sx (149 sx (149 sx (149 sx (179 sx (179 sx (179 sx (149 s	EMENTING RECO Cf) P17 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6 Brady sand IS 15% HCL w/1081bbls 6 Brady sand MCF Cfh WATER-BE	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (F SI RBBL	CKER SET (MD) ETC. 0,300# 600# Producing or shut-in) GAS-OIL RATIO	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECO PERSON OF SIZE SAVER OF SIZE FIRST PRODUCTION W/O facilities FOF TEST 2/4/2008 W TUBING PRESS	32.3# 23# 11.6# LINER D) BOTTOM (MD ORD (Interval, size and " 279' @ 1 SPF = 360 HOURS TESTED 1 CASING PRESSUR SI - 312#	349 510 813 RECORD) SACKS 30 holes DUCTION METHOD CHOKE SIZ 5" E CALCULAT 24-HOUR F	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES OI	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: Flowing D'N FOR T PERIOD	(MD) 30'-62 36'-55	TOP OF CEN surface; 94s; surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION ze and type of pum; 3L trace	(149 sx (149 sx (149 sx (149 sx (149 sx (149 sx (179 sx (179 sx (179 sx (149 s	EMENTING RECO cf) 717 cf) sx (467 cf) DEPTH SET. 8085' T., FRACTURE. Is 15% HCL w/1185bbls 6 Brady sand Is 15% HCL w/1081bbls 6 Brady sand	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA VT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (A SI R-BBL	CKER SET (MD) ETC. 0,300# 600# GAS-OIL RATIO OIL GRAVITY-API (CORR	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 SIZE TOP (M PERFORATION RECO PERFORMED PERFORATION RECO	32.3# 23# 11.6# LINER D) BOTTOM (MD DRD (Interval, size and " 279' @ 1 SPF = 360 HOURS TESTED 1 CASING PRESSUR SI - 312# S (Sold, used for fuel, v. ng for facilities	344 516 816 8 RECORD) SACKS 10 SACKS 10 SACKS 11 SACKS 12 SACKS 13 SACKS 14 SACKS 15 SACKS 16 SACKS 17 SACKS 18 CHOKE SIZE 18 CALCULATE 18 CALC	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES*	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 563 Flowing D'N FOR T PERIOD LBBL 0	(MD) 30'-62 36'-55	TOP OF CEN Surface; 94s; Surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION ze and type of pum 3L trace GAS-MCF 1377 mcfd	(149 sx (149 sx (149 sx (149 sx (149 sx (149 sx (179 sx (179 sx (179 sx (149 s	EMENTING RECO Cf) P17 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6 Brady sand IS 15% HCL w/1081bbls 6 Brady sand MCF Cfh WATER-BE	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA NT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (F SI RBBL	CKER SET (MD) ETC. 0,300# 600# GAS-OIL RATIO OIL GRAVITY-API (CORR	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 9. SIZE TOP (M PERFORATION RECORDS AVERAGE © .34 MF/PLO 5630'-62 H/UMF 5336'-55 Mal MV holes = 1 10 10 10 10 10 10 10 10 10 10 10 10 10	32.3# 23# 11.6# LINER D) BOTTOM (MD DRD (Interval, size and " 279' @ 1 SPF = 3 60 HOURS TESTED 1 CASING PRESSUR SI - 312# S (Sold, used for fuel, v. ng for facilities its commingle v	344 51/8 RECORD) SACKS number) 30 holes DUCTION METHOD CHOKE Size CHOKE Size Language CHOKE Size Stobe set vell per C	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES' TED OI RATE DHC orc	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: Flowing D'N FOR T PERIOD LBBL 0 can first ((MD) 30'-62 36'-55 PR PR PR PR PR PR PR PR PR AZ.	TOP OF CEN Surface; 94s: Surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION Ze and type of pum, GAS-MCF 1377 mcfd er.	MENT, C (149 SX (147 ; 230)	EMENTING RECO Cf) P17 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6 Brady sand IS 15% HCL w/1081bbls 6 Brady sand MCF Cfh WATER-BE	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA VT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (A SI R-BBL	CKER SET (MD) ETC. 0,300# 600# GAS-OIL RATIO OIL GRAVITY-API (CORR	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 9. SIZE TOP (M PERFORATION RECCESAVER @ .34 MF/PLO 5630'-62 H/UMF 5336'-55 otal MV holes = 3 TE FIRST PRODUCTION W/O facilities TE OF TEST	32.3# 23# 11.6# LINER D) BOTTOM (MD DRD (Interval, size and " 279' @ 1 SPF = 3 60 HOURS TESTED 1 CASING PRESSUR SI - 312# S (Sold, used for fuel, v. ng for facilities its commingle v	344 51/8 RECORD) SACKS number) 30 holes DUCTION METHOD CHOKE Size CHOKE Size Language CHOKE Size Stobe set vell per C	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES' TED OI RATE DHC orc	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: Flowing D'N FOR T PERIOD LBBL 0 can first ((MD) 30'-62 36'-55 PR PR PR PR PR PR PR PR PR AZ.	TOP OF CEN Surface; 94s: Surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION Ze and type of pum, GAS-MCF 1377 mcfd er.	MENT, C (149 SX (147 ; 230)	EMENTING RECO Cf) P17 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6 Brady sand IS 15% HCL w/1081bbls 6 Brady sand MCF Cfh WATER-BE	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA VT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (A SI R-BBL	CKER SET (MD) ETC. 0,300# 600# GAS-OIL RATIO OIL GRAVITY-API (CORR	
CASING SIZE/GRADE 9-5/8", H-40 7", L-80 4-1/2", L-80 9. SIZE TOP (M PERFORATION RECORDS AVERAGE © .34 MF/PLO 5630'-62 H/UMF 5336'-55 Mal MV holes = 1 10 10 10 10 10 10 10 10 10 10 10 10 10	32.3# 23# 11.6# LINER D) BOTTOM (MD DRD (Interval, size and " 279' @ 1 SPF = 3 60 HOURS TESTED 1 CASING PRESSUR SI - 312# S (Sold, used for fuel, v. ng for facilities its commingle v	344 51/8 RECORD) SACKS number) 30 holes DUCTION METHOD CHOKE Size CHOKE Size Language CHOKE Size Stobe set vell per C	SET (MD) 9' 42' 86' CEMENT* HOD (Flowin TES' TED OI RATE DHC orc	HOLE S 12-1/4" 8 3/4" 6 1/4" SCREEN 32. 56: 53: Flowing D'N FOR T PERIOD LBBL 0 can first ((MD) 30'-62 36'-55 PR pping-si OiLBE	TOP OF CEN Surface; 94s; Surface; 840 TOC @ 3600 30 SIZE 2-3/8" 4.7# ACII 279' ODUCTION Ze and type of pum, 3L trace GAS-MCF 1377 mcfd Pr.	MENT, C (149 SX (147 ; 230)	EMENTING RECO Cf) P17 cf) SX (467 cf) DEPTH SET 8085' T, FRACTURE IS 15% HCL w/1185bbls 6 Brady sand IS 15% HCL w/1081bbls 6 Brady sand MCF Cfh WATER-BE	TU (MD) CEMER 0Q Slii & 1,21 0Q Slii & 1,29	1 bbls 10 bbls BING RECORD PA VT SQUEEZE, E ckfoam w/100 0,800scf N2 ckfoam w/99, 0,800scf N2 WELL STATUS (A SI R-BBL	CKER SET (MD) ETC. 0,300# 600# GAS-OIL RATIO OIL GRAVITY-API (CORR	

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

ACCEPTED FOR RECORD

Ojo Alamo	2580'	2678'	White, cr-gr ss.	: Ojo Alamo	2580'
Kirtland	2678'	3163'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2678'
Fruitland	3163'	3645'	Dk gry-gry carb sh, coal, grn silts, light-	Fruitland	3163'
	T	i	med gry, tight, fine gr ss.		
Pictured Cliffs	3645'	3840'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3645'
Lewis	3840'	4253'	Shale w/siltstone stringers	Lewis	3840'
Huerfanito Bentonite	4253'	4634'	White, waxy chalky bentonite	Huerfanito Bent.	4253'
Chacra	4634'	5240'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4634'
Mesa Verde	5240'		Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5240'
Menefee	5492'		Med-dark gry, fine gr ss, carb sh & coal	Menefee	5492'
Point Lookout	5863'		Med-light gry, very fine gr ss w/frequent	Point Lookout	5863'
	7		sh breaks in lower part of formation		
Mancos	6398'	7117'	Dark gry carb sh.	Mancos	6398'
Gallup			Lt gry to brn calc carb micac glauc	Gallup	7117'
A TANAN AND AND AND AND AND AND AND AND AND			silts & very fine gr gry ss w/irreg.interbed sh		
Greenhorn	7859'	7919'	Highly calc gry sh w/thin lmst.	Greenhorn	7859'
Graneros	7919'	7958'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7919'
Dakota	7958'		Lt to dk gry foss carb sl calc sl silty	Dakota	7958'
\$ 1 ₈			ss w/pyrite incl thin sh bands clay & shale breaks		
Morrison 👺	X		Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	X
WAY SER CONTRACT	. () ()				