Form 3160-4 (October 1990)

**UNITED STATES** 

SUBMIT IN DUPLICATE

FOR APPROVED OMB NO. 1004-0137

<u> </u>		DEP	reverse side)	Expires: December 31, 1991									
ELL C	BUREAU OF LAND MANAGEMENT									5. LEASE DESIGNATION AND SERIAL NO. SF-077764			
VELL COMPLETION OR RECOMPLETION REPORT AND LOG*									6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
TYPE OF		OIL	GAS 🔽	DRY Other	71171112								
		METT [	werr [√]	DRY LOUIS _	A 28 29 30 3		<b>1</b>	7. UNIT	AGREEMENT	NAME			
. TYPE OF	COMPLETION	WORK DEEP-	PLUG	DIFF.	pl' 🛦		رياي ا	8. FARI	M OR LEASE N	AME, WELL NO.			
	WELL X	OVER EN	BACK	RESVROth	JUN 20	000	~~ <b>`~</b> }	5	Schumacher	#11M			
	F OPERATOR			্ত	RECE		ा	1	WELL NO.				
	RLINGTON S AND TELEP		IL & GAS COMPA	YNY S	OIL OOM		<u>∞</u>	į.	10-045-3006 LD AND POOL				
PO	BOX 4289.	Farmington, NM	87499 (505)	326-9700	DIGHT	.B	(O)		Blanco MV/B				
At surface	e 945'	FSL, 1800'FEL	rly and in accordance	e with any State	2569 () (S	لماعمل		OF	C., T., R., M., OI R AREA Sec.18, T-30	R BLOCK AND SURVEY			
At top pro	od. interval rep	orted below						)	366.10, 1-36	P14, 11-10-11			
At total de	epth												
			14.	PERMIT NO.	PERMIT NO. DATE ISSUED			12. COUNTY OR		13. STATE			
								, i	<sup>ARISH</sup> San Juan	New Mexico			
5. DATE SPU	UDDED 16.	DATE T.D. REACHED	, 17. DATE COM	IPL. (Ready to prod.)		18. ELE\	ATIONS (DF, I	4		19. ELEV. CASINGHEAD			
4-4-00		4-17-00	6-18-0				394'GL/640		1001 C	CARLETONS			
0. TOTAL DE	EPTH, MD &TV	21. PLUG, B	ACK T.D., MD &TVD	22. IF MULTIPLE CO	,	23. INTE	RVALS LED BY	KUTAR)	TOOLS	CABLE TOOLS			
7550'		7500							0-7550'	1			
4. PRODUC	TION INTERVAL	L (S) OF THIS COMPL	ETION-TOP, BOTTOM	I, NAME (MD AND TVI	D)*				25. WAS DIRE SURVEY N				
7304-74	470' Dakota	commingled w/M	lesaverde							No			
6. TYPE ELE	ECTRIC AND O	THER LOGS RUN eu. Litho-den./CB	L/GR/CCL					27. WAS	WELL COREC	No			
:8.	10.3 COMP. 11			CASING RECORD (	Report all strings	set in w	rell)						
CASING SIZ	ZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEM		MENTING REC	CORD	,	AMOUNT PULLED			
9 5/8	0470			8 3/4	12 1/4 215 cu ft 8 3/4 1073 cu ft								
7 4 1/2		10.5#	7547'	6 1/4									
								T1	IDINO DECO	20			
9.	TOP (MD)	LINER RE		SCREEN (MD)	30. SIZE		DEPTH SE		TUBING RECORD  (MD) PACKER SET (MD)				
	TOP (MD)	BOTTOM (MB)			ET (MB)								
SIZE			ì	1	2 3/0	i	7407'						
SIZE													
SIZE		D (Interval, size and nu	imber)	32.	AC		T, FRACTUR		NT SQUEEZE				
SIZE PERFOR		D (Interval, size and nu	Imber)	DEPTH INTE	AC	D, SHO	T, FRACTUR	OUNT AN	D KIND OF MAT	TERIAL USED			
SIZE			ımber)	DEPTH INTE 7304-	AC	D, SHO	T, FRACTUR AM ol slick wate	OUNT AN er, 40,00	D KIND OF MAT 0# 20/40 sa	TERIAL USED			
SIZE PERFOR			imber)	DEPTH INTE 7304- Sqz (	ACIERVAL (MD)	D, SHO 114 bl	T, FRACTUR AM ol slick wate	OUNT AN er, 40,00 w/2% ca	D KIND OF MAT 0# 20/40 sa alcium chlori	rerial USED nd			
SIZE 1 PERFOR			imber)	DEPTH INTE 7304- Sqz (	AC: ERVAL (MD) -7470' @ 3443'	D, SHO 114 bl	T, FRACTUR AM bl slick wate k Class "B"	OUNT AN er, 40,00 w/2% ca	D KIND OF MAT 0# 20/40 sa alcium chlori	rerial USED nd			
SIZE 1 PERFOR		', 7458-7470'		DEPTH INTE 7304- Sqz ( Sqz (	AC: ERVAL (MD) -7470' @ 3443' @ 3844'	114 bl 100 st 150 st	T, FRACTUR AM bl slick wate k Class "B"	OUNT AN er, 40,00 w/2% ca	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft).	rerial USED nd de (118 cu ft).			
SIZE  1 PERFOR 304-7320'		', 7458-7470'		DEPTH INTE 7304 Sqz ( Sqz (  Sqz (  Pr	AC: ERVAL (MD) -7470' @ 3443' @ 3844'	114 bl 100 st 150 st	T, FRACTUR AM bl slick wate k Class "B"	OUNT AN er, 40,00 w/2% ca	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft).	rerial USED nd			
SIZE PERFOR 304-7320', 33.	PRODUCTION	', 7458-7470'	СПОИ МЕТНОО (РЮ)	DEPTH INTE 7304- Sqz ( Sqz (	ACCERVAL (MD) -7470'  @ 3443'  @ 3844'  RODUCTION -size and type of p	114 bl 100 st 150 st	T, FRACTUR AM DI slick wate k Class "B" k Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft).	rerial USED nd de (118 cu ft).			
SIZE  1 PERFOR. 304-7320', 33. DATE FIRST F	PRODUCTION	', 7458-7470'	CTION METHOD (FAV	DEPTH INTE 7304- Sqz ( Sqz ( Sqz (  Free Sqs (  Sqs	ACCERVAL (MD) -7470'  @ 3443'  @ 3844'  RODUCTION -size and type of p	D, SHO 114 bl 100 s; 150 s;	T, FRACTUR AM DI slick wate k Class "B" k Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MADOW 20/40 sa alcium chlori 7 cu ft).	rerial USED  nd  de (118 cu ft).			
SIZE  PERFOR  304-7320'  33.  SATE FIRST F  DATE OF TES  6-18-0	PRODUCTION ST	PRODU	CHON METHOD (FIOW CHOKE SIZE PR TE	DEPTH INTE 7304- Sqz ( Sqz ( Sqz (  Sqz (  From the state of the state	ACCERVAL (MD) -7470'  @ 3443'  @ 3844'  RODUCTION -size and type of p	D, SHO 114 bi 100 s: 150 s:	T, FRACTUR AM DI slick wate k Class "B" k Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MADOW 20/40 sa alcium chlori 7 cu ft).	rerial USED  nd  de (118 cu ft).			
SIZE  1 PERFOR  304-7320'  33.  DATE FIRST F  DATE OF TES  6-18-0  FLOW, TUBIN	PRODUCTION ST DO IG PRESS.	PRODU HOURS TESTED CASING PRESSURE	CHON METHOD (FIOW CHOKE SIZE PR TE	DEPTH INTE 7304 Sqz ( Sqz ( Sqz (  Sq	ACERVAL (MD) -7470'  ② 3443'  ② 3844'  RODUCTION -size and type of p	D, SHO 114 bl 100 s; 150 s;	T, FRACTUR AM DI slick wate  Class "B"  Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MAP 00# 20/40 sa alcium chlori 7 cu ft).	rerial USED  nd  de (118 cu ft).  S (Producing or shul-in)  GAS-OIL RATIO			
SIZE  1 PERFOR. 304-7320', 33. DATE FIRST F DATE OF TES 6-18-0 FLOW. TUBIN	PRODUCTION ST 100 IG PRESS.	PRODU HOURS TESTED CASING PRESSURE SI 800	CHOKE SIZE PR TE CALCULATED 24-HOUR RATE	DEPTH INTE 7304 Sqz ( Sqz ( Sqz (  Sq	AC: ERVAL (MD) -7470'  @ 3443'  @ 3844'  RODUCTION -size and type of p	D, SHO 114 bl 100 s; 150 s;	T, FRACTUR AM DI slick wate  Class "B"  Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MAP 00# 20/40 sa alcium chlori 7 cu ft).	TERIAL USED  Ind  de (118 cu ft).  S (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)			
SIZE  1 PERFOR. 304-7320', 33. DATE FIRST F DATE OF TES 6-18-0 FLOW. TUBIN	PRODUCTION ST 100 IG PRESS.	PRODU HOURS TESTED CASING PRESSURE	CHOKE SIZE PR TE CALCULATED 24-HOUR RATE	DEPTH INTE 7304 Sqz ( Sqz ( Sqz (  Sq	ACERVAL (MD) -7470'  ② 3443'  ② 3844'  RODUCTION -size and type of p	D, SHO 114 bl 100 s; 150 s;	T, FRACTUR AM DI slick wate  Class "B"  Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft). TWELL STATU SI ER-BBL	TERIAL USED  Ind  de (118 cu ft).  S (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)			
33. 33. 34-7320', 35ATE FIRST F 5ATE OF TES 6-18-0 FLOW. TUBIN SI 880 34. DISPOS	PRODUCTION ST 100 IG PRESS.	PRODU HOURS TESTED  CASING PRESSURE SI 800 (SXX), Used for rule, ve	CHOKE SIZE PR TE CALCULATED 24-HOUR RATE	DEPTH INTE 7304 Sqz ( Sqz ( Sqz (  Sq	ACERVAL (MD) -7470'  ② 3443'  ② 3844'  RODUCTION -size and type of p	D, SHO 114 bl 100 s; 150 s;	T, FRACTUR AM DI slick wate  Class "B"  Class "B"	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft). TWELL STATU SI ER-BBL	TERIAL USED  Ind  de (118 cu ft).  S (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)			
SIZE  PERFOR. 304-7320', 33.  DATE FIRST F  DATE OF TES  6-18-0  LOW. TUBIN  SI 8800  34. DISPOS  35. LIST OF	PRODUCTION  ST  OO  G PRESS.  OHION OF GAS	PRODU HOURS TESTED  CASING PRESSURE SI 800 (Solo, used for rue), ve. To be sold S None	CHOKE SIZE PR TE CALCULATED 24-HOUR RATE	DEPTH INTE 7304 Sqz ( Sq	ACCERVAL (MD) -7470'  ② 3443'  ② 3844'  RODUCTIONsize and type of p	D, SHO 114 bi 100 s: 150 s:	T, FRACTUR AM DI slick wate k Class "B" k Class "B"  MCF	OUNT AN er, 40,00 w/2% ca cmt (17	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft). TWELL STATU SI ER-BBL	TERIAL USED  Ind  de (118 cu ft).  S (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)			
SIZE  PERFOR. 304-7320', 33.  ATE FIRST F  ATE OF TES  6-18-0 LOW. TUBIN  SI 8800 34. DISPOS  35. LIST OF	PRODUCTION  ST  OO  G PRESS.  OHION OF GAS	PRODU HOURS TESTED  CASING PRESSURE SI 800 (Solo, used for rue), ve. To be sold S None	CHOKE SIZE PR TE CALCULATED 24-HOUR RATE	DEPTH INTE 7304 Sqz ( Sqz ( Sqz (  Sq	ACCERVAL (MD) -7470'  ② 3443'  ② 3844'  RODUCTIONsize and type of p	D, SHO 114 bi 100 s: 150 s:	T, FRACTUR AM DI slick wate k Class "B" k Class "B"  MCF	OUNT AN APPLICATION OF THE PROPERTY OF THE PRO	D KIND OF MA 10# 20/40 sa alcium chlori 7 cu ft). WELL STATU SI ER-BBL	TERIAL USED  Ind  de (118 cu ft).  S (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)			

\*(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 JUN 2 6 2000 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

	FORMATION	37. SUMMARY OF POROL drill-stem, tests, includes recoverdes):	
	TOP	JS ZONES: (Shuding depth int	
	BOTTOM	erval tested, cust	
	DESCRIPTION, CONTENTS, ETC.	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):	
	ZAKA		
<b>▼</b> 57 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MRAS DEPTH TRUE	GEOLOGIC MARKERS	

Dakota	Graneros	Greenhorn	Gallup	Mancos	Point Lookout	Menefee	Cliff House	Chacra	Huerfanito Bentonite*	Lewis	Pictured Cliffs	Fruitland	Ojo Alamo Kirtland
7390'	7252'	7196'	64521	5620'	5202'	4720'	4436'	3910'	* 3648′	2980′	2902′	2362′	1520′ 1668′
7550'	7390'	7252'	7196'	6452'	5620'	5202'	4720'	4436'	3910'	3648'	2980′	2902'	1668' 2362'
Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dk gry shale, fossil & carb w/pyrite incl.	Highly calc gry sh w/thin lmst.	It gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Dark gry carb sh.	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Med-dark gry, fine gr ss, carb sh & coal	ss. Gry, fine-grn, dense sil ss.	Gry fn grn silty, glauconitic sd stone w/drk gry shale	White, waxy chalky bentonite	Shale w/siltstone stringers	Bn-Gry, fine grn, tight ss.	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	White, cr-gr ss. Gry sh interbedded w/tight, gry, fine-gr ss.
ks						Graneros Dakota	Gallup Greenhorn	Point Lookout Mancos	Menefee	Cliffhouse	Lewis Huerfanito Bent Chacra	Fruitland Pictured Cliffs	Ojo Alamo Kirtland
						7252' 7390'	7196'	5202	4720'	4436'	2980' 3648' 3910'	2362'	1520′

<sup>\*</sup> Huerfanito Bentonite is the legal top of Mesaverde in New Mexico (North of Chacra line)