Form 3160-4 (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.

						ļ		SF-079419	
ELL COMPL	ETION OR R	RECOMPLE	TION REP	ORT AND	LO	3 *: 55	6. IF INC	DIAN, ALLOTTE	E OR TRIBE NAME
TYPE OF WELL:	OIL	GAS X	DRY Other						
	METT [™ MEUT [\rightarrow]	- Land	A	,)	o tat 🖡	7. UNIT	AGREEMENT N	NAME
TYPE OF COMPLETE	ON:		Ĺ,	أنعلقه أأرار	المستقيلات	,	S	an Juan 28-	6 Unit
NEW X	WORK DEEP-	PLUG	DIFF. Other			Г	8. FARM	OR LEASE NA	AME, WELL NO.
MEIT \	OVER EN	BACK	RESVROther _			1	6	an Juan 28-	6 1 Init #02P
						- 3:25		VELL NO.	0 Olii(#93B
NAME OF OPERATO				150					•
	N RESOURCES OF	L & GAS COMPA	ANY		A STOWN		2773	0-039-26287 D AND POOL,	
ADDRESS AND TELE				100	E 2	000	المنت		
	, Farmington, NM 8		326-9700		3	30	-171 -	lanco Mesa	
	(Report location clean		e with any State requ	irements)"	Ω_{L}	- S & C-184	(0)		R BLOCK AND SURVEY
At surface	383'FNL, 2527'F\	WL,		- 15 ×	ه خوار و در از می وادر از می	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(E)	AREA	
At top prod. interval re	norted below			1. 1	1		\approx		
At top prod. site valit	ported below			V.	*	UL A	~ *		
At total depth				` ₹3% _		(ک	<i>y</i> ∕ s	Sec. 36, T-28	3-N, R-6-W
At total deput				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	`o /	~ C & 3/4			•
		14.	PERMIT NO.	DATE ISSUED		James	12. COL	UNTY OR	13. STATE
			1	1		i	PA	RISH	1
		1						Rio Arriba	New Mexico
DATE SPUDDED 16.	DATE T.D. REACHED	17. DATE CO	MPL. (Ready to prod.)		18. ELE	VATIONS (DF, RE	KB, RT, BR	R, ETC.)*	19. ELEV. CASINGHEAD
4-5-00	4-10-00	6-5-0	0		6	533' GR, 654			<u> </u>
TOTAL DEPTH, MD &T	VD 21. PLUG, B	ACK T.D., MD &TVD	22. IF MULTIPLE CO		23. INT		ROTARY	TOOLS	CABLE TOOLS
			HOWM	ANY*	DRI	LLED BY	1		1
5900'	5894]			0-5900'		
PRODUCTION INTERV	AL (S) OF THIS COMPLE	TION-TOP, BOTTOM	, NAME (MD AND TVD))*			2	5. WAS DIREC	
								SURVEY M	ADE
4108-5838' Mesav							107 14/4 6 1	WELL CORED	
TYPE ELECTRIC AND CBL-CCL-GR	OTHER LOGS RUN							NO CORED	
CBL-CCL-GR						- #5	· ·		
			CASING RECORD						MONT BUILTE
ASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	130 cu.ft.	IENT, CE	MENTING RECO	- UNIX	^	MOUNT PULLED
9 5/8"	32.3#	147'	12 1/4						
9 5/8" 7"	32.3# 23#	2840'	8 3/4	962 cu.ft.					
7*	23#	2840'		962 cu.ft.			Tite	DING BECOR	D
7"	23# LINER RE	2840'	8 3/4	962 cu.ft.	-	DEDTHICST		BING RECOR	
7" SIZE TOP (MD	LINER RE BOTTOM (MD)	2840' ECORD SACKS CEMENT*		962 cu.ft.	-	DEPTH SET (D PACKER SET (MD)
7"	23# LINER RE	2840'	8 3/4	962 cu.ft.		DEPTH SET (5801			
7" SIZE TOP (MD 4 1/2" 2731'	LINER RE DOTTOM (MD) 5895'	2840' ECORD SACKS CEMENT* 489 cu.ft.	SCREEN (MD)	962 cu.ft. 30. SIZE 2 3/8	İ	5801	(MD)	P	ACKER SET (MD)
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO	LINER RE DITOM (MD) 5895' RD (Interval, size and nu	2840' ECORD SACKS CEMENT* 489 cu.ft.	8 3/4	962 cu.ft. 30. SIZE 2 3/8	İ	5801 OT, FRACTURE,	(MD)	P IT SQUEEZE,	ACKER SET (MD) ETC.
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4	LINER RE) BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330	2840' ECORD SACKS CEMENT* 489 cu.ft. mber) 0, 4334, 4338, 4371.	SCREEN (MD) 32. DEPTH INTE	962 cu.ft. 30. SIZE 2 3/8	ID, SHO	5801 OT, FRACTURE, AMO	(MD) , CEMEN	T SQUEEZE, KIND OF MATE	ETC. ERIAL USED
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451	2840' ECORD SACKS CEMENT* 489 CU.ft. mber) 0, 4334, 4338, 4371, 1, 4513, 4515, 4553	SCREEN (MD) 32. DEPTH INTE 4108-4835	962 cu.ft. 30. SIZE 2 3/8	ID, SHC	T, FRACTURE, AMO	(MD) , CEMEN OUNT AND gel, 200,	T SQUEEZE, KIND OF MATI	ETC. Briad USED Brady sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4	LINER RE) BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4641, 4696, 4696	2840' ECORD SACKS CEMENT* 489 CU.ft. mber) 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433'	962 cu.ft. 30. SIZE 2 3/8	ID, SHC 659 b 93,93	5801 OT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr,	CEMEN CEMEN OUNT AND Jel, 200,	T SQUEEZE, KIND OF MATI ,000# 20/40 # 20/40 Bra	ETC. ERIAL USED Brady sd dy sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 7 7, 4779, 4781, 4827, 4	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4641, 4696, 4694, 1829, 4831, 4833, 4834	2840' SACKS CEMENT* 489 CU.ft. mber) 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024	32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838'	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD)	ID, SHC 659 b 93,93	T, FRACTURE, AMO	CEMEN CEMEN OUNT AND Jel, 200,	T SQUEEZE, KIND OF MATI ,000# 20/40 # 20/40 Bra	ETC. ERIAL USED Brady sd dy sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECC 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 7 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 5	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4641, 4696, 4694, 1829, 4831, 4833, 4834	2840' SACKS CEMENT* 489 CU.ft. mber) 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD)	ID, SHC 659 b 93,93	5801 OT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr,	CEMEN CEMEN OUNT AND Jel, 200,	T SQUEEZE, KIND OF MATI ,000# 20/40 # 20/40 Bra	ETC. ERIAL USED Brady sd dy sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 7 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 5	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and num 1463, 4466, 4468, 4511 1638, 4641, 4696, 4696, 1829, 4831, 4833, 4834 5108, 5127, 5133, 5144	2840' SACKS CEMENT* 489 CU.ft. 1, 4513, 4515, 4553, 4702, 4705, 4775, 5, 5002, 5014, 5024, 5154, 5234, 5242	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) ont'd on back	ID, SHO 659 bi 93,93 99,68	5801 OT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr,	(MD) , CEMEN DUNT AND gel, 200, 100,000	PIT SQUEEZE, KIND OF MATI ,000# 20/40 # 20/40 Bra # 20/40 Bra	ETC. ERIAL USED Brady sd dy sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 5	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and num 1463, 4466, 4468, 4511 1638, 4641, 4696, 4696, 1829, 4831, 4833, 4834 5108, 5127, 5133, 5144	2840' SACKS CEMENT* 489 CU.ft. 1, 4513, 4515, 4553, 4702, 4705,	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) ont'd on back	ID, SHO 659 bi 93,93 99,68	5801 OT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr,	, CEMEN , CEME	PIT SQUEEZE, KIND OF MATI ,000# 20/40 # 20/40 Bra # 20/40 Bra	ETC. ERIAL USED Brady sd dy sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 8	LINER RE DESCRIPTION (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 4463, 4468, 4468, 4511, 4638, 4698, 4831, 4833, 4833, 4833, 4831, 4833, 4831, 4833, 4831, 4833, 4831, 4831, 4833, 4831	2840' SACKS CEMENT* 489 CU.ft. 1, 4513, 4515, 4553, 4702, 4705, 4705, 5004, 5014, 5024, 5154, 5234, 5242 CTION METHOD (Flow	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	ID, SHO 659 bi 93,93 99,68	5801 OT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr, 1 gal sik wtr,	, CEMEN DUNT AND Gel, 200, 100,000	P SQUEEZE, KIND OF MATI, 000# 20/40 Bra # 20/40 Bra	ETC. ERIAL USED Brady sd dy sd
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 7 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 8 E FIRST PRODUCTION	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and num 1463, 4466, 4468, 4511 1638, 4641, 4696, 4696, 1829, 4831, 4833, 4834 5108, 5127, 5133, 5144	2840' SACKS CEMENT* 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (Flow Flow CHOKE SIZE PR	32. DEPTH INTE 4108-4835' 5500-5838' Perforations CC PHING, gas Int., pumping-ing	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr,	(MD) , CEMEN DUNT AND gel, 200, 100,000	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing or shul-in)
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 7 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 8 E FIRST PRODUCTION	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nuitable, 4289, 4327, 4330, 4466, 4468, 4511, 4696, 4698, 4829, 4831, 4833, 4834, 5108, 5127, 5133, 5144 PRODUCTION OF THE PRODUCTION OF T	2840' SACKS CEMENT* 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (Flow Flow CHOKE SIZE PR	32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr, MCF	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shull-in)
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 7 7, 4779, 4781, 4827, 2 2, 5073, 5080, 5088, 3 E FIRST PRODUCTION E OF TEST 6-4-00	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4641, 4696, 4694, 1829, 4831, 4833, 4834, 15108, 5127, 5133, 5144' PRODUCTION OF TRANSPORTED	2840' SACKS CEMENT* 489 CU.ft. 1, 4513, 4515, 4553, 4702, 4705, 4705, 4705, 4705, 4705 CTION METHOD (FIOW CHOKE SIZE PICALCULATED)	32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr,	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shul-in)
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 3, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 5 E FIRST PRODUCTION E OF TEST 6-4-00 W. TUBING PRESS.	LINER RE DESCRIPTION (MD) S895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4641, 4696, 4696, 1829, 4831, 4833, 4833, 1608, 5127, 5133, 5144 PRODUCTION HOURS TESTED 1 CASING PRESSURE	2840' SACKS CEMENT* 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (FIOR	32. DEPTH INTE 4108-4835' 5002-5433' 55002-5433' Ferforations cc Piwing, gas kit, pumping- ing ROD'N FOR OIL— EST PERIOD	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr, MCF	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of Shull-in)
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 1, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 6 4, 4579, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 5 E FIRST PRODUCTION E OF TEST 6-4-00 W. TUBING PRESS. SI 442	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4641, 4696, 4699, 1829, 4831, 4833, 4833, 15108, 5127, 5133, 5144 PRODUCTION OF THE PRODUCTION OF T	2840' SACKS CEMENT* 489 CU.ft. 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (FION METHOD	32. DEPTH INTE 4108-4835' 5002-5433' 55002-5433' Ferforations cc Piwing, gas kit, pumping- ing ROD'N FOR OIL— EST PERIOD	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr, MCF	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	T SQUEEZE, KIND OF MATI ,000# 20/40 # 20/40 Bra # 20/40 Bra WELL STATUS SI R-BBL	ETC. ERIAL USED Brady sd dy sd dy sd (Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 3, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 5 E FIRST PRODUCTION E OF TEST 6-4-00 W. TUBING PRESS. SI 442	LINER RE DESCRIPTION (MD) S895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 4511, 1638, 4641, 4696, 4696, 1829, 4831, 4833, 4833, 4831, 1483	2840' SACKS CEMENT* 489 CU.ft. 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (FION METHOD	32. DEPTH INTE 4108-4835' 5002-5433' 55002-5433' Ferforations cc Piwing, gas kit, pumping- ing ROD'N FOR OIL— EST PERIOD	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr, MCF	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 3, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 8 E FIRST PRODUCTION E OF TEST 6-4-00 W. TUBING PRESS. SI 442 DISPOSITION OF GAS	LINER RE) BOTTOM (MD) 5895' RD (Interval, size and nu. 3287, 4289, 4327, 4334 463, 4466, 4468, 451' 1638, 4641, 4696, 4699 4829, 4831, 4833, 4833, 5108, 5127, 5133, 5144 PRODUCTION OF THE CASING PRESSURE SI 602 S (SOID, used for ruel, ven. To be sold	2840' SACKS CEMENT* 489 CU.ft. 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (FION METHOD	32. DEPTH INTE 4108-4835' 5002-5433' 55002-5433' Ferforations cc Piwing, gas kit, pumping- ing ROD'N FOR OIL— EST PERIOD	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr, MCF	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 8 E FIRST PRODUCTION E OF TEST 6-4-00 W. TUBING PRESS. SI 442	LINER RE D BOTTOM (MD) 5895' RD (Interval, size and nu. 1287, 4289, 4327, 4330, 1463, 4466, 4468, 451' 1638, 4461, 4696, 4699, 1829, 4831, 4833, 4833, 1608, 5127, 5133, 5144' PRODUCTION HOURS TESTED 1 CASING PRESSURE SI 602 S (SOID, used for ruel, ven. To be sold	2840' SACKS CEMENT* 489 CU.ft. 489 CU.ft. 0, 4334, 4338, 4371, 1, 4513, 4515, 4553, 9, 4702, 4705, 4775 5, 5002, 5014, 5024 4, 5154, 5234, 5242 CTION METHOD (FION METHOD	32. DEPTH INTE 4108-4835' 5002-5433' 55002-5433' Ferforations cc Piwing, gas kit, pumping- ing ROD'N FOR OIL— EST PERIOD	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION Size and type of pure	1D, SHC 659 bi 93,93 99,68	DT, FRACTURE, AMO bl 20# linear g 1 gal slk wtr, 1 gal slk wtr, MCF	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
7" SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 98, 4112, 4116, 4285, 4 73, 4375, 4458, 4460, 4 55, 4597, 4599, 4602, 4 77, 4779, 4781, 4827, 4 12, 5073, 5080, 5088, 3 15E FIRST PRODUCTION TE OF TEST 6-4-00 DW. TUBING PRESS. SI 442 4. DISPOSITION OF GAS 5. LIST OF ATTACHMEN	LINER RE DESCRIPTION (MD) S895' RD (Interval, size and number 1287, 4289, 4327, 4330, 1463, 4466, 4468, 4511, 4696, 4698, 1829, 4831, 4833, 4834, 16108, 5127, 5133, 5144 PRODUCTION (CASING PRESSURE SI 602 S (SOID, USED TO THE, VEN TO be solid ITS None	2840' SACKS CEMENT* 489 CU.ft. ### 1489 CU.ft. ### 14	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION SIZE and type of put	(D, SHC) (659 b) (93,93) (99,68) (mp) (GAS	DT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr, 1 gal sik wtr, MCF MCF/D Pitot (WATER-BE	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 08, 4112, 4116, 4285, 4 73, 4375, 4458, 4460, 4 55, 4597, 4599, 4602, 4 77, 4779, 4781, 4827, 4 32, 5073, 5080, 5088, 5 3. TE FIRST PRODUCTION TE OF TEST 6-4-00 DW. TUBING PRESS.	LINER RE DESCRIPTION (MD) S895' RD (Interval, size and number 1287, 4289, 4327, 4330, 1463, 4466, 4468, 4511, 4696, 4698, 1829, 4831, 4833, 4834, 16108, 5127, 5133, 5144 PRODUCTION (CASING PRESSURE SI 602 S (SOID, USED TO THE, VEN TO be solid ITS None	2840' SACKS CEMENT* 489 CU.ft. ### 1489 CU.ft. ### 14	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION SIZE and type of put	(D, SHC) (659 b) (93,93) (99,68) (mp) (GAS	DT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr, 1 gal sik wtr, MCF MCF/D Pitot (WATER-BE	, CEMEN , CEMEN JUNT AND gel, 200, 100,000 100,000 WATE	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 3 TE FIRST PRODUCTION TE OF TEST 6-4-00 DW. TUBING PRESS. SI 442 1, DISPOSITION OF GAS 5, LIST OF ATTACHMEN	LINER RE DESCRIPTION (MD) S895' RD (Interval, size and number 1287, 4289, 4327, 4330, 1463, 4466, 4468, 4511, 4696, 4698, 1829, 4831, 4833, 4834, 16108, 5127, 5133, 5144 PRODUCTION (CASING PRESSURE SI 602 S (SOID, USED TO THE, VEN TO be solid ITS None	2840' SACKS CEMENT* 489 CU.ft. ### 1489 CU.ft. ### 14	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations co	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION SIZE and type of put	(D, SHC) (659 b) (93,93) (99,68) (mp) (GAS-4116)	DT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr, 1 gal sik wtr, MCF MCF/D Pitot (WATER-BE	, CEMEN DUNT AND GEI, 200, 100,000 TOO,000 WATEL Gauge BL	T SQUEEZE, KIND OF MATI ,000# 20/40 Bra # 20/40 Bra # 20/40 Bra WELL STATUS SI R-BBL	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shur-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.) SED BY
SIZE TOP (MD 4 1/2" 2731' PERFORATION RECO 8, 4112, 4116, 4285, 4 3, 4375, 4458, 4460, 4 5, 4597, 4599, 4602, 4 7, 4779, 4781, 4827, 4 2, 5073, 5080, 5088, 3 E FIRST PRODUCTION E OF TEST 6-4-00 DW. TUBING PRESS. SI 442 1, DISPOSITION OF GAS	LINER RE DESCRIPTION (MD) S895' RD (Interval, size and number 1287, 4289, 4327, 4330, 1463, 4466, 4468, 4511, 4696, 4698, 1829, 4831, 4833, 4834, 16108, 5127, 5133, 5144 PRODUCTION (CASING PRESSURE SI 602 S (SOID, USED TO THE, VEN TO be solid ITS None	2840' SACKS CEMENT* 489 CU.ft. ### 1489 CU.ft. ### 14	SCREEN (MD) 32. DEPTH INTE 4108-4835' 5002-5433' 5500-5838' Perforations cc Pung, gas lift, pumping- ing ROD'N FOR OIL-I	962 cu.ft. 30. SIZE 2 3/8 AC ERVAL (MD) Ont'd on back RODUCTION SIZE and type of put BBL GAS-MCF	(D, SHC) (659 b) (93,93) (99,68) (mp) (GAS-4116)	DT, FRACTURE, AMO bl 20# linear g 1 gal sik wtr, 1 gal sik wtr, MCF MCF/D Pitot (WATER-BE	, CEMEN DUNT AND GEI, 200, 100,000 TOO,000 WATEL Gauge BL	P P P P P P P P P P P P P P P P P P P	ETC. ERIAL USED Brady sd dy sd dy sd (Producing of shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)

2679' 2760' White, cr-gr ss. 2760' 2940' Gry sh interbedded w/tight, gry, fine-gr ss. 2940' 3318' Dk gry-gry carb sh, coal, grn silts, light med gry, tight, fine gr ss. 2940' 3318' 3416' Dk gry-gry carb sh, coal, grn silts, light med gry, tight, fine gr ss. Bn-Gry, fine grn, tight ss. Bn-Gry, fine grn, tight ss. HH 4281' 4281' White, waxy chalky bentonite Gry fn grn silty, glauconitic sd stone w/drk gry shale 4886' 5160' 5496' Med-dark gry, fine gr ss, carb sh & coal 5160' 5496' Med-dark gry, fine gr ss, carb sh & coal 5496' 5900' Med-dark gry, fine gr ss w/frequent sh breaks in lower part of formation 50 Bentonite is the legal top of Mesa Verde in New Mexico (North of the Chacra line) 51 51 52 53 54 55 56 57 58 67 67 67 68 69 69 60 60 60 60 60 60 60 60	drill-stem, tests, incluce recoveries):	ang aspen and	ervel (esicu, cu			70
Alamo 2679' 2760' White, cr-gr ss. Cry sh interhedded w/tight, gry, fine-gr ss.	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, STC.	NAME	MIGBO
Alamo 2679, 2760; White, cr-gr 88. 2760; 2940; 3318; Dk gry-gry carb sh, coal, grn slits, light Kirtland 2940; 3318; Dk gry-gry carb sh, coal, grn slits, light Kirtland 2940; 2940; 3318; 3416; Bn-Gry, fine grn, tight ss. Levis 160; Shale w/siltstone stringers 2914; 4281; White, waxy chalky bentonite 2914; 4281; 4886; Gry fine grn slity, glauconitic sd stone Pt.Lookout 2926; 5900; Med-dark gry, fine-grn, dense sil ss. 2624, 5312, 5317, 5322, 531, 5322, 5317, 5527, 5534, 5536, 5546, 5552, 5661, 5619, 56						
and 2760' 2940' Gry sh interbedded w/tight, Gry, fine-gr ss. Ojo Alamo 2679' Dk gry-gry carb sh, coal, grn silts, light- Fruttland 2940' and gry, tight, fine gr ss. Pic.Cliffs 3318' 3416' Bn-Gry, fine gr ss. Pic.Cliffs 3416' Shale w/siltstone stringers Cliffs 1914' 4281' White, waxy chalky bentonite House 4281' 4886' White, waxy chalky bentonite w/drk gry shale w/drk gry shale w/drk gry shale ss. Gry, fine-grn, dense sil ss. 5248, 5312, 5317, 5322, 5316' S496' Med-dark gry, fine gr ss, carb sh & coal 525, 5317, 5322, 5300, sh breaks in lower part of formation 536, 5646, 5652, 5662, 5764, 5774, 5724		2679′	2760'	cr-gr		
land 2940 3318' Dk gry-gry carb sh, coal, grn silts, light. Kirtland 2940 med gry, tight, fine gr 88. Pic.Cliffs 3318 3416' Bn-Gry, fine grn, tight ss. Lewis Fac. Lewis 13416' 3416' 3914' Shale w/siltstone stringers Charca 14281 A4281' White, waxy chalky bentonite Wdrk gry shale w/drk gry shale ss. Gry, fine-grn, dense sil ss. 5160' 5496' Med-dark gry, fine gr ss, carb sh & coal 5322, 5317, 5324, 5388, sh breaks in lower part of formation 5496' 5500' sh breaks in lower part of formation 5496' 5714, 5727. 5549, 5622,	Kirtland	2760'	2940'	sh interbedded w/tight, gry, fine-gr	Ojo Alamo	2679′
red Cliffs 3318' 3416' Bn-Gry, fine grn, right 88. Bn-Gry, fine grn, tight 88. Bn-Gry, fine grn, tight 88. A281' 4281' White, waxy chalky bentonite Wenefee S160' 5496' Wed-dark gry, fine-grn, dense sil 88. Bn-Gry, fine-grn, dense sil 88. Bn-Gry, fine-grn, dense sil 88. Shale W/siltstone stringers Cliff House 4886' 5160' S8. Gry, fine-grn, dense sil 88. Bn-Gry, fine-grn silty, glauconitic 88 stone Pt.Lookout 5496' 5496' Wed-dark gry, fine gr 88, carb 8h & coal 5248, 5312, 5317, 5322, 531	Fruitland	2940'	3318'	ry carb sh, coal, grn silts, ligh	Kirtland Fruitland	2760' 2940'
3416' 3914' Shale w/siltstone stringers Chacra Chacra Chacra A281' White, waxy chalky bentonite A281' 4886' Gry fn grn silty, glauconitic sd stone House		3318'	3416'	tight, fine gr fine grn, tight	Pic.Cliffs	3318′ 3416′
anito Bentonite* 3914' 4281' White, waxy chalky bentonite 4281' 4886' Gry fn grn silty, glauconitic sd stone Wenefee 4886' 5160' Ss. Gry, fine-grn, dense sil ss. Ferforations continued: 5248, 5312, 5311, 5322, 628, 5371, 5384, 5388, 5360' 5496' Med-dark gry, fine gr ss, carb sh & coal 5496' 5900' Med-light gry, very fine gr ss w/frequent 5496' 5900' Sh breaks in lower part of formation Sh breaks in lower part of formation 536, 546, 5652, 5601, 5619, 538, 5948, 5388, 548, 538, 5388, 548, 538, 5546, 5576, 5592, 5601, 5619, 5636, 5646, 5652, 5662, 562, 5602, 5636, 5646, 5652, 5682, 5888, Fanito Bentonite is the legal top of Mesa Verde in New Mexico (North of the Chacra line) 5816, 5822, 5838		3416′	3914′	w/siltstone		
Gry fn grn silty, glauconitic 8d stone	anito		4281'	waxy chalky	Cliff House Menefee	4886′ 5160′
House 4886' 5160' ss. Gry, fine-grn, dense sil ss. Perforations continued: 5248, 5312, 5317, 5322, 5360' Med-dark gry, fine gr ss, carb sh & coal 5352, 5371, 5384, 5388. 5418, 5425, 5431, 5384, 5388. 5418, 5425, 5431, 5384, 5388. 5418, 5425, 5433, 5500. 5418, 5425, 5433, 5500. 5418, 5425, 5433, 5500. 5418, 5425, 5433, 5500. 5418, 5425, 5433, 5546. 5517, 5527, 5534, 5546. 5517, 5527, 5534, 5546. 5517, 5527, 5534, 5546. 5518, 5522, 5601, 5619, 5601, 5619, 5601, 5619, 5601, 5619, 5601, 5619, 5601, 5619, 5601, 5619, 5601, 5619, 5601, 5619, 5601	Chacra	4281'	4886'	fn grn silty, glauconitic sd	Pt.Lookout	5496,
Be 5160' 5496' Med-dark gry, fine gr ss, carb sh & coal 5248, 5312, 5317, 5322, 5364, 5384, 5388, 5360, 5496' 5900' Med-light gry, very fine gr ss w/frequent 5517, 5527, 5534, 5546, 5546, 5577		4886'	5160'	rn, dense sil	Perforations	
Med-light gry, very fine gr ss w/frequent 5418, 5425, 5433, 5500. sh breaks in lower part of formation 5576, 5592, 5601, 5619, 5636, 5646, 5652, 5662, 5601, 5619, 5689, 5694, 5714, 5724		5160'	5496'	gry, fine gr ss, carb sh &	5312, 5371,	
5636, 5646, 5652, 5662, 5662, 5689, 5694, 5714, 5724,	Point Lookout	5496'	5900'	gry, very fine gr 88 in lower part of for	5425, 5527. 5592,	
		1.	legal top	Mesa Verde in New Mexico (North of the Cha	5636, 5646, 5689, 5694, 5816, 5822,	