UNITED STATES

DEPARTMENT OF THE INTERIOR HUTCH

OMB NO. 1004-0137

				SUREAU OF L	AND MA	NAGEME	ENT E	UOIL	dil india	ਾਂ 5′ LE	ASE DESIGNATION	ON AND SERIAL NO.	
			_		~		rai	ពេរកថ្មា	ton Field Oir	Tu E	NM-SF 078		
ELL CO	MPI	ETIO	N OR	RECOMP	LETIC	N RE	PORT AN	D LC	G*	6. IF I		E OR TRIBE NAME	
TYPE OF V			OIL	GAS WELL X		Other				┥			
			WELL	□ WELL [A	1	الساء	·		-	7 UN	IT AGREEMENT	NAME	
TYPE OF C		TION: 71 WORK			7 DIFF	_				ļ			
NEW WORK DEEP PLUG DIFF NEVER ONE EN BACK RESVR OTHER								1	RM OR LEASE N				
2. NAME OF OPERATOR										Lively #8M			
			OURCES	OIL & GAS CO	OMPANY	LP				i	30-045-345	11	
ADDRESS				OIL & GRO O		,					ELD AND POOL,		
PO BOX 4289, Farmington, NM 87499 (505) 326-9700 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*										Blanco MV / Basin DK			
						,	te requirements)*			i i	11 SEC, T., R, M, OR BLOCK AND SURVEY		
At surface	U	Jnit D (F	www),	555' FNL & 6	610. FW	L,				1	OR AREA Sec. 12, T29N, R8W, NMPM		
At top prod	interval	reported i	helow	Same as al	bove					Ì	Sec. 12, 12	JI, NOW, MINE III	
At top prou	. IIIICIVAI	перопос	DEKO#	outile us a						1			
At total dep	th S	Same as	above										
					14 PER	MIT NO.	DATE ISSU	ED		12. CC	OUNTY OR	13. STATE	
					1		1				PARISH		
DATE SPUDI	DED 144	R DATE T	D REACHED	117 DATE	COMPL. (F	Ready to pro-	<u>d)</u>	10 5	EVATIONS (DE 1		San Juan	New Mexico 19. ELEV CASINGHEAD	
3/3/08	ו טבט	3/30			6/08	.cacy to prot	··· ,	18. ELEVATIONS (DF, RKB, RT, BR, ETC.)* GL-6308'; KB 6324'			Lia: ELEA CASINGHEAD		
TOTAL DEPT	H, MD &/	TVD	21. PLUG, E	BACK T.D., MD &T		MULTIPLE			ITERVALS		Y TOOLS	CABLE TOOLS	
7575'			7546		ſ	10v	V MANY*	1 6	RILLED BY	1	x	Į.	
	N INTERV	VAL (S) OF		ETION-TOP, BOTT	OM, NAME		VD)*			_	25. WAS DIREC	TIONAL	
Blanco f	Acca V	/ordo	4062' - 5	52021							SURVEY MA		
YPE ELECT				3332						27 WAS	WELL CORED	Yes	
GR/CCL	CBL						•			1		No	
					CASIN	G RECOR	D (Report all strin	gs set i	n well)				
ASING SIZE/C			IT, L.B./FT.	DEPTH SET (MD)	HOLE SIZE			CEMENTING REC			MOUNT PULLED	
9-5/8", H- 7", J-55	40	32.3#	<u> </u>	199' 3299'		12-1/4 8-3/4"		Surface; 173 sx (218 cf) surface; 942 sx (1893 cf)			20 bbls		
/ , 0-33 4-1/2", J-!	55	10.5#		7523'		6-1/4"	surface'; 325 sx (644 cf)			1/2			
			LINER R	ECORD			30.			TUE	BING RECORD		
SIZE	TOP (MD) BOT	TOM (MD)	SACKS CEME	NT" SC	REEN (MD)			DEPTH SET	(MD)	PA	CKER SET (MD)	
							2-3/8", 4.7	-	7487'				
PERFORATION RECORD (Interval, size and number)			32.	-	AC	ID, SHO	T, FRACTURE	, CEMEN	IT SQUEEZE.	ETC.			
1SPF				514	5148' - 5392' 10 bbls 15% HCL			Acid. Frac: 108100 gal 60Q Foam w/					
MF 5148' - 5240' = 9 holes						96200# 20/40 Brady Sand. Total N2=				i. Total N2= 1	1215800 SCF		
LO 5288' - 5392' = 20 holes H 4804' - 4862'= 11 holes				480	4' - 5053'		10 6	ble 15% HCI	Acid F	rac: 108000	nal 600 Foam w/		
MF 4882' - 5053' = 16 holes				1.00					Acid. Frac: 108900 gal 60Q Foam w/ ly Sand. Total N2=1246000 SCF				
is 4062'	-4562'	=33 ho	les			AL 45'5'							
					406	2' - 4562	Z.					gal 75Q 20# Linear I. N2=1419500 SCF	
							PRODUCTION		Udin W/204/U				
IRST PROD			PRODUC	CTION METHOD (F	-lowing, gas	lift, pumping-	size and type of pur	np)	·	1	WELL STATUS (F	roducing or shut-in)	
O Facilit	ies	HOURS T	ESTED	CHOKE SIZE	[PROD'N FO	OR OIL-	BBL	GAS-	-MCF	WATER	7 BBI	GAS-OIL RATIO	
				V.2.2	TEST PERI			1				i dictivitio	
6/2/0		1		1/2"		→		43.4	2 mcf	<u></u>			
TUBING PR	ESS	CASING P	RESSURE	CALCULATED 24-HOUR RATE	OIL-BBL		GASMCF		WATERBE	BL.		OIL GRAVITY-API (CORR.)	
422#		}	325#		[1042 mcf/d							
	OF GAS	(Sold, used	for fuel, vente	ed, etc.)	L		1.0.2		<u> </u>	17	TEST WITNESSE	D BY	
			ties to be	e set before	first pro	oduction	n			i			
IST OF ATTA	CHMENT	2											

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

TITLE Regulatory Technician

JUN 17 2008

DATE 6/16/08

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.

This will be a Mesa Verde/Dakota well being DHC per order # 2771 AZ

SIGNED (

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records



ACCEPTED FOR REACHD

	Ojo Alamo	2060′	2207′	White, cr-gr ss.	Ojo Alamo	2060′
•	Kirtland	2207'	2768'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2207'
· _ '	Fruitland	2768′	3070′	Dk gry-gry carb sh, coal, grn silts, light- med gry, tight, fine gr ss.	Fruitland	2768'
	Pictured Cliffs	3070′	3253′	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3070'
	Lewis	3253′	3768′	Shale w/siltstone stringers	Lewis	3253′
	Huerfanito Bentonite	3768′	4028'	White, waxy chalky bentonite	Huerfanito Bent.	3768′
	Chacra	4028'	4802'	Gry fn grn silty, glauconitic sd stone	Chacra	4028′
				w/drk gry shale	Mesa Verde	4802′
	Mesa Verde	4802'	4864'	Light gry, med-fine gr ss, carb sh	Menefee	4864'
				& coal	Point Lookout	5258′
	Menefee	4864'	52581	Med-dark gry, fine gr ss, carb sh & coal	Mancos	5630′
	Point Lookout	5258'	5630'	Med-light gry, very fine gr ss w/frequent	Gallup	6502'
			•	sh breaks in lower part of formation	Greenhorn	7254′
	Mancos	5630′	6502'	Dark gry carb sh.	Graneros	7311′
	Gallup	6502′	7254′	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Dakota	7360′
	Greenhorn	7254′	7311′	Highly calc gry sh w/thin lmst.		
	Graneros	7311′	7360′	Dk gry shale, fossil & carb w/pyrite incl.		
,	Dakota	7360′		Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale break	cs	

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Form 3160-4

(October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FOR APPROVED OMB NO. 1004-0137

Bureau of reverse Stall Aar agement Expires December 31, 1991 Farmington Field CATHEASE DESIGNATION AND SERIAL NO

ETIONION								
FIION OH	RECOMPL	ETION REP	PORT AND	LOG*	6. IF	INDIAN, ALLOTT	EE OR TRIBE NAME	
OIL	GAS X	DRY Other			7			
	C WELL CO				7 UN	NIT AGREEMENT	NAME	
		over [
OVER DEEP	BACK	RESVROther			8 FA	IRM OR LEASE N	NAME, WELL NO.	
						Lively #8N	1	
	011 0 0 0 0 0 0	45 4 5 7 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			9 AF		-4.4	
	OIL & GAS CO	MPANT, LP			10. F			
	IM 87499 (50	05) 326-9700					/ / Basin DK	
			requirements)*		11 S		R BLOCK AND SURVEY	
nit D (NWNW),	555' FNL & 61	10' FWL,			1			
					- [Sec. 12, T2	29N, R8W, NMPM	
eported below	Same as ab	ove			ı		D JUN 19'08	
ime as above						OIL	. CONS. DIV.	
	ſ	14. PERMIT NO.	DATE ISSUE	D			DIST. 3	
	Į.		-				7	
DATE T.D. REACHE	D 17. DATE C	COMPL. (Ready to prod	.)	18. ELEVATIONS (DF.	RKB, RT.		New Mexico 19. ELEV. CASINGHEAD	
3/30/08	- 1						1	
/D 21. PLUG,	BACK T.D., MD.&TVI			23 INTERVALS	ROTAR	RY TOOLS	CABLE TOOLS	
7546'		2	MAIAA	DHILLED BY	1	Y	1	
	ETION-TOP, BOTTO	M, NAME (MD AND TVI	D)*			25 WAS DIREC	CTIONAL	
2621 76261						SURVEY M		
					127 WA	S WELL CORED	Yes	
							No	
		CASING RECORD	(Report all strings	s set in well)				
WEIGHT, LB./FT		D) HOLE SIZE	TOP OF CEN	MENT, CEMENTING REC	CORD		MOUNT PULLED	
GR/CCL/CBL SING SIZE/GRADE WEIGHT, LB/FT DEPTH SET (M. 199' 15/8", H-40 32.3# 199' 17, J-55 20# 3299' 17, J-55 10.5 7523'								
		6-1/4"	surface; 325			140 DDI8		
				8X (044 CI)		1/2		
LINER A	ECOAD		30.	8X (044 CI)	TU	1/2 IBING RECORI	D	
LINER R BOTTOM (MD)	ECORD SACKS CEMEN	SCREEN (MD)	SIZE	DEPTH SE		BING RECOR	D ACKER SET (MD)	
		SCREEN (MD)				BING RECOR		
BOTTOM (MD)	SACKS CEMEN		SIZE 2-3/8", 4.7#	7487 ¹	T (MD)	BING RECORI	ACKER SET (MD)	
	SACKS CEMEN	32. 7362' - 7535'	SIZE 2-3/8", 4.7# ACII	DEPTH SE 7487'	F (MD)	P. P. NT SQUEEZE,	ACKER SET (MD)	
BOTTOM (MD)	SACKS CEMEN	32.	SIZE 2-3/8", 4.7#	DEPTH SE 7487'	F, CEME	P. P. NT SQUEEZE,	ACKER SET (MD) ETC.	
BOTTOM (MD) D (Interval, size and numbers)	SACKS CEMEN	32.	SIZE 2-3/8", 4.7#	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbls 15% HCL	F, CEME	P. P. NT SQUEEZE,	ACKER SET (MD) ETC.	
BOTTOM (MD) D (Interval, size and nu	SACKS CEMEN	32.	SIZE 2-3/8", 4.7#	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbls 15% HCL	F, CEME	P. P. NT SQUEEZE,	ACKER SET (MD) ETC.	
BOTTOM (MD) D (Interval, size and numbers)	SACKS CEMEN	32. 7362' - 7535'	SIZE 2-3/8", 4.7# ACII	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbls 15% HCL	F, CEME	P. P. NT SQUEEZE,	ACKER SET (MD) ETC.	
BOTTOM (MD) D (Interval, size and numbers Dies Dies Dies Dies Dies	SACKS CEMEN	32. 7362' - 7535'	SIZE 2-3/8", 4.7# ACI	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp	F, CEME	BING RECORI P. NT SQUEEZE, 02600 gal Si	ACKER SET (MD) ETC. lickwater & 40020#	
BOTTOM (MD) D (Interval, size and numbers Dies Dies Dies Dies Dies	SACKS CEMEN	32. 7362' - 7535'	SIZE 2-3/8", 4.7# ACI	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp	F, CEME	BING RECORI P. NT SQUEEZE, 02600 gal Si	ACKER SET (MD) ETC.	
BOTTOM (MD) D (Interval, size and numbers Dies Dies Dies Dies Dies	SACKS CEMEN mber) CTION METHOD (Fig. CHOKE SIZE	32. 7362' - 7535' Fowing, gas lift, pumping-	ACIL PRODUCTION size and type of pump	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp	F (MD) E, CEME I. Frac: 1 ant.	BING RECORI P. NT SQUEEZE, 02600 gal Si	ACKER SET (MD) ETC. lickwater & 40020#	
D (Interval, size and numbers)	SACKS CEMEN mber) CTION METHOD (Fig. 1) CHOKE SIZE	32. 7362' - 7535' Fowing, gas lift, pumping	ACIL PRODUCTION size and type of pump	DEPTH SE 7487' D. SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp	F (MD) E, CEME I. Frac: 1 ant.	BING RECORI P. NT SQUEEZE, 02600 gal Si	ETC. lickwater & 40020#	
D (Interval, size and numbers) Description: Description:	SACKS CEMEN mber) CTION METHOD (Fig. CHOKE SIZE	32. 7362' - 7535' Fowing, gas lift, pumping-	ACIL PRODUCTION size and type of pump	DEPTH SE 7487' D, SHOT, FRACTUR 10 bbis 15% HCL 20/40 TLC propp	E, CEMEI. Frac: 1	BING RECORI P. NT SQUEEZE, 02600 gal Si	ETC. Ilckwater & 40020# Producing or shut-in) GAS-OIL RATIO	
BOTTOM (MD) D (Interval, size and numbers) D See See See See See See See See See Se	SACKS CEMEN mber) CTION METHOD (Fig. 1/2"	32. 7362' - 7535' Fowing, gas lift, pumping- PROD'N FOR TEST PERIOD	ACIL PRODUCTION size and type of pump	DEPTH SE 7487' D. SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp GAS-MCF	E, CEMEI. Frac: 1	BING RECORI P. NT SQUEEZE, 02600 gal Si	ETC. Ilckwater & 40020# Producing or shut-in) GAS-OIL RATIO	
BOTTOM (MD) D (Interval, size and numbers) D (size) D (size) D (linterval, size) D (size) D (size) D (size) PRODU HOURS TESTED 1 CASING PRESSURE 325#	CTION METHOD (FIGURE SIZE Tole To	32. 7362' - 7535' Fowing, gas lift, pumping- PROD'N FOR TEST PERIOD	ACIL PRODUCTION size and type of pump	DEPTH SE 7487' D. SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp GAS-MCF	E, CEMEL Frac: 1 ant. WATE	BING RECORI P. NT SQUEEZE, 02600 gal Si WELL STATUS (ETC. Ickwater & 40020# Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)	
BOTTOM (MD) D (Interval, size and nuitables D (Interval, size and nuitables) D (Int	CTION METHOD (FIGURE SIZE Table Ta	32. 7362' - 7535' powing, gas lift, pumping- PROD'N FOR EST PERIOD OILBBL	ACIL PRODUCTION size and type of pum GASMCF 27 mcf/d	DEPTH SE 7487' D. SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp GAS-MCF 1.13 mcf WATER-E	E, CEMEL Frac: 1 ant. WATE	BING RECORI P. NT SQUEEZE, 02600 gal Si	ETC. Ickwater & 40020# Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)	
BOTTOM (MD) D (Interval, size and nuitables D (Interval, size and nuitables) D (Int	CTION METHOD (FIGURE SIZE Table Ta	32. 7362' - 7535' Fowing, gas lift, pumping- PROD'N FOR TEST PERIOD	ACIL PRODUCTION size and type of pum GASMCF 27 mcf/d	DEPTH SE 7487' D. SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp GAS-MCF 1.13 mcf WATER-E	E, CEMEL Frac: 1 ant. WATE	BING RECORI P. NT SQUEEZE, 02600 gal Si WELL STATUS (ETC. Ickwater & 40020# Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)	
BOTTOM (MD) D (Interval, size and numbers) D (lotes) D (lotes) D (loterval, size and numbers) D (loterval, size and numbers) D (loterval, size and numbers) PRODU HOURS TESTED 1 CASING PRESSURE 325# Sold, used for fuel, vent D facilities to be	CTION METHOD (FIG. CHOKE SIZE 1/2" CALCULATED 24-HOUR HATE ed. etc.) e set before fi	32. 7362' - 7535' powing, gas lift, pumping- PROD'N FOR EST PERIOD OILBBL	ACIL PRODUCTION Size and type of pum BBL GAS-MCF 27 mcf/d	DEPTH SE 7487' D. SHOT, FRACTUR 10 bbls 15% HCL 20/40 TLC propp GAS-MCF 1.13 mcf WATER-E	E, CEMEL Frac: 1 ant. WATE	BING RECORI P. NT SQUEEZE, 02600 gal Si WELL STATUS (ETC. Ickwater & 40020# Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)	
	DR DR DR DN RESOURCES EPHONE NO. 19, Farmington, N L (Report location of nit D (NWNW), reported below arme as above DATE T D. REACHE 3/30/08 VD 21. PLUG, 7546' AL (S) OF THIS COMPL 362' - 7535' OTHER LOGS RUN WEIGHT, LBJFT 32.3# 20#	WORK OVER BN BEEP- BLUG BACK DR DR DN RESOURCES OIL & GAS CO EPHONE NO. 19, Farmington, NM 87499 (50 L (Report location clearly and in accordant to the company of the	WORK OVER DEEP BACK DIFF RESVR Other OR ON RESOURCES OIL & GAS COMPANY, LP EPHONE NO. 19, Farmington, NM 87499 (505) 326-9700 L (Report location clearly and in accordance with any State nit D (NWNW), 555' FNL & 610' FWL, reported below Same as above 14. PERMIT NO. DATE T D. REACHED 17. DATE COMPL. (Ready to prod 6/6/08 VD 21. PLUG, BACK T D. MD &TVD 22. IF MULTIPLE HOW 7546' 2 AL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVI 362' - 7535' OTHER LOGS RUN CASING RECORD WEIGHT, LB/FT DEPTH SET (MD) HOLE SIZE 32.3# 199' 12-1/4" 20# 3299' 8-3/4"	WORK OVER BN BACK DIFF RESVR Other OR OR ON RESOURCES OIL & GAS COMPANY, LP EPHONE NO. 19, Farmington, NM 87499 (505) 326-9700 L (Report location clearly and in accordance with any State requirements)* nit D (NWNW), 555' FNL & 610' FWL, reported below Same as above TAL PERMIT NO. DATE ISSUE TAL PERMIT NO. DATE ISSUE 14. PERMIT NO. DATE ISSUE 16/6/08 VD 21. PLUG, BACK T D, MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 7546' 2 AL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 362' - 7535' OTHER LOGS RUN CASING RECORD (Report all strings) WEIGHT, LB./FT DEPTH SET (MD) HOLE SIZE TOP OF CEN 32.3# 199' 12-1/4" Surface; 173 20# 3299' 8-3/4" surface; 942	WORK OVER BACK DIFF RESVR Other DR DR DN RESOURCES OIL & GAS COMPANY, LP EPHONE NO. 19, Farmington, NM 87499 (505) 326-9700 L (Report location clearly and in accordance with any State requirements)* Init D (NWNW), 555' FNL & 610' FWL, reported below Same as above 14. PERMIT NO. DATE ISSUED DATE TD. REACHED 17. DATE COMPL. (Ready to prod.) 6/6/08 GL-6308' DATE TD. REACHED 17. DATE COMPL. (Ready to prod.) 21. PLUG, BACKTD, MD & TVD 22. IF MULTIPLE COMPL., HOW MANY' 7546' 2 AL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 362' - 7535' DTHER LOGS RUN CASING RECORD (Report all strings set in well) WEIGHT, LB./FT DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING REC 32.3# 199' 12-1/4" Surface; 173 sx (218 cf) 20# 3299' 8-3/4" surface; 942 sx (1893 cf)	WORK OVER BACK DIFF RESVR Other OR ON RESOURCES OIL & GAS COMPANY, LP EPHONE NO. 19, Farmington, NM 87499 (505) 326-9700 L (Report location clearly and in accordance with any State requirements)* nit D (NWNW), 555' FNL & 610' FWL, reported below Same as above 14. PERMIT NO. DATE ISSUED 12 Company (12 Company (13 Intervals)) DATE T D. REACHED 3/30/08 GL-6308'; KB 63 VD 21. PLUG, BACK T D, MD & TVD 22. IF MULTIPLE COMPL., HOW MANY' DRILLED BY 7546' 22. IF MULTIPLE COMPL., HOW MANY' DRILLED BY ROTAF HOW MANY' DRILLED BY 20 INTERVALS DRILLED BY 362' - 7535' OTHER LOGS RUN 27 WA CASING RECORD (Report all strings set in well) WEIGHT, LB.FT DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD 32.3# 199' 12-1/4" Surface; 173 sx (218 cf)	WORK DEEP PLUG DIFF RESVR Other	

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

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	Ojo Alamo	2060′	2207′	White, cr-gr ss.	Ojo Alamo	
	Kirtland	2207′	2768′	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	
	Fruitland	2768′	3070′	Dk gry-gry carb sh, coal, grn silts, light- med gry, tight, fine gr ss.	Fruitland	
•	Pictured Cliffs	3070′	3253′	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	
	Lewis	32531	3768′	Shale w/siltstone stringers	Lewis	
	Huerfanito Bentonite	37681	4028'	White, waxy chalky bentonite	Huerfanito Bent.	
	Chacra	4028'	4802'	Gry fn grn silty, glauconitic sd stone	Chacra	
				w/drk gry shale	Mesa Verde	
	Mesa Verde	4802'	4864′	Light gry, med-fine gr ss, carb sh	Menefee	
				& coal	Point Lookout	
	Menefee	4864′	5258'	Med-dark gry, fine gr ss, carb sh & coal	Mancos	
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	Mancos	5630′	6502′	Dark gry carb sh.	Graneros	
	Gallup	6502′	7254′	Lt gry to brn calc carb micac glauc	Dakota	
				silts & very fine gr gry ss w/irreg.interbed sh		
	Greenhorn	7254′	7311′	Highly calc gry sh w/thin lmst.		
	Graneros	7311′	7360′	Dk gry shale, fossil & carb w/pyrite incl.		
	Dakota	7360′		Lt to dk gry foss carb sl calc sl silty		