Form 3160-4

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(October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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FOR APPROVED OMB NO. 1004-0137

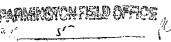
Expires. December 31, 1991

Gureau of Land Manag princing Designation and Serial No. Farmington Field Oflice SF-079729

ta. TYPE O	COMPL	ETION OR	RECOMPL	ETION REP	ORT AN	ID LO	G*	8 IF	INDIAN, ALLOTTE	E OR TRIBE NAME	
		OIL WELL	GAS X	URY Other				1			
h TVDE O	F COMPLET						•••	7 U	NIT AGREEMENT N		
0) TPE OI	NEW X	San Juan 28-4 Unit 8. FARM OR LEASE NAME, WELL NO.									
	METT T										
2 NAME C	F OPERATO	OR .					·····	San Juan 28-4 Unit 17M 9 API WELL NO.			
		Resources Oil &	Gas Co., LP					30-039-30382			
		EPHONE NO.						10. FIELD AND POOL, OR WILDCAT			
PC	O BOX 428	39, Farmington, 1	IM 87499 (50	5) 326-9700				Basin DK/Blanco MV			
		L (Report location cl		-	equirements)	•			11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA		
		(SENW), 1915'	FNL & 1530' F	WL]			
At Botton			Como oo obou	_				Sec 20, T28N, R4W, NMPM			
At top pro	og. interval r	eported below	Same as abov	9				RCVD JUL 7'09			
At total d	lepth Sa	ime as above								MS.DIV.	
			(T	. PERMIT NO.	DATE ISS	UED		12. (CT O	
					1			ľ	PARISH		
45 DATE CO	IDDED 145	DATE TO SELECT	117 6410 67	MPL. (Ready to prod.)	1	l.a =:::				New Mexico	
15 DATE SPU	DDDED 16. D /05/08	DATE T D REACHE 10/16/0	·	мич (көвау ю prod.) 6/10/09	'	18. ELEV	/ATIONS (DF, RKE 7440	KB (KB	, ETC.)* 7452	19. ELEV. CASINGHEAD	
20 TOTAL DE			BACK T.D., MD &TVD		OMPL.,	23. INTE			7452 RY TOOLS	CABLE TOOLS	
				HOW	MANY*		LED BY				
8854'		884			2	<u> </u>		Yes		<u></u>	
24 PRODUCT	TION INTERVA	AL (S) OF THIS COMPL	ETION-TOP, BOTTOM	I, NAME (MD AND TVD)•				25. WAS DIRECT SURVEY MAI		
Mesa \	Verde 625	56'-6717'							no	DE	
28 TYPE ELE	CTRIC AND C	OTHER LOGS RUN						27 WA	S WELL CORED		
GR/CF	BL/CCL								no		
28				CASING RECORD	(Report all strir	ngs set ir	well)				
CASING SIZ		WEIGHT, LB /FT.	DEPTH SET (MD				CEMENTING RECO	ORD		OUNT PULLED	
9-5/8", I 7", J-55		32.3# 20# & 23#	259' 4704'	8 3/4"	12 1/4" Surface: 178sx(225cf) 8 3/4" Surface: 686sx(1400cf)				25 bbi 40.25 bbi ST	@ 2006'	
4.5", J-		11.6# & 10.5#	8847	6 1/4"	TOC 3950'	008X(14	325sx(652cf)		40.25 DDI 51	(W 2990	
								-			
	9. LINER RECORD				30.			TUBING RECORD			
					30.				ING RECORD		
29. SIZE	TOP (MD)	LINER RI BOTTOM (MD)	CORD SACKS CEMENT*	SCREEN (MD)	SIZE		DEPTH SET (CKER SET (MD)	
	TOP (MD)			SCREEN (MD)						CKER SET (MD)	
SIZE		BOTTOM (MD)	SACKS CEMENT*		SIZE 2-3/8",4.7	# J-55	8712'	MD)	PAC		
SIZE PERFORA	TION RECORD	BOTTOM (MD) D (Interval, size and nur	SACKS CEMENT*	SCREEN (MD) 32. 6256-6717	SIZE 2-3/8",4.71	# J-55 CID, SHO	8712'	MD) CEME	PAC NT SQUEEZE, E		
SIZE PERFORA	TION RECORD	BOTTOM (MD) D (Interval, size and nur	SACKS CEMENT*	32.	SIZE 2-3/8",4.71	J-55 CID, SHO Acidize Frac w/	8712' OT, FRACTURE, od w/ 10 bbl 1 28530gai SW	CEME	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ	TC.	
SIZE PERFORA	TION RECORD	BOTTOM (MD) D (Interval, size and nur	SACKS CEMENT*	32.	SIZE 2-3/8",4.71	J-55 CID, SHO Acidize Frac w/	8712' OT, FRACTURE, od w/ 10 bbi 1	CEME	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ	TC.	
PERFORA'	TION RECORD	BOTTOM (MD) D (Interval, size and nur	SACKS CEMENT*	32.	SIZE 2-3/8",4.71	J-55 CID, SHO Acidize Frac w/	8712' OT, FRACTURE, od w/ 10 bbl 1 28530gai SW	CEME	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ	TC.	
SIZE PERFORA	TION RECORD	BOTTOM (MD) D (Interval, size and nur	SACKS CEMENT*	32.	SIZE 2-3/8",4.71	J-55 CID, SHO Acidize Frac w/	8712' OT, FRACTURE, od w/ 10 bbl 1 28530gai SW	CEME	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ	TC.	
PERFORA 1LO-LMN (256-6717	TION RECORD	BOTTOM (MD) D (Interval, size and nur wii .34" 25 Holes	SACKS CEMENT* niber) 25 total Holes	32. 6256-6717 PR	SIZE 2-3/8", 4.71	# J-55 CID, SHO Acidiza Frac w/ Total o	8712' OT, FRACTURE, od w/ 10 bbl 1 28530gai SW	CEME	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used	TC.	
PERFORA' PLO-LMN (256-6717	TION RECORD	BOTTOM (MD) D (Interval, size and nur wii .34" 25 Holes	SACKS CEMENT* niber) 25 total Holes	32. 6256-6717 PR ng, gas lift, pumping-si	SIZE 2-3/8", 4.71	# J-55 CID, SHO Acidize Frac w/ Total o	8712' OT, FRACTURE, od w/ 10 bbl 1 28530gai SW	MD) CEME 5% HC W/ 68 of N2	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used	TC.	
PERFORA PLO-LMN (256-6717	TION RECORE 1 SPF	BOTTOM (MD) D (Interval, size and nur wii .34" 25 Holes	SACKS CEMENT* nber) 25 total Holes TION METHOD (Flow	32. 6256-6717 PR	SIZE 2-3/8", 4.7i A(# J-55 CID, SHO Acidize Frac w/ Total o	8712' DT, FRACTURE, od w/ 10 bbl 1: 28530gal SW f 1455000 scf	MD) CEME 5% HC W/ 68 of N2	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PA	TC.	
PERFORA LO-LMN (256-6717 33. ATE FIRST PRO SI	TION RECORE 1 SPF	BOTTOM (MD) D (Interval, size and nur wif .34" 25 Holes	SACKS CEMENT* nber) 25 total Holes TION METHOD (Flow) CHOKE SIZE PR	32. 6256-6717 PR ng, gas lift, pumping-sr. Flowing	SIZE 2-3/8", 4.7i A(J-55 CID, SHC Acidize Frac wi Total or	8712' DT, FRACTURE, and w/ 10 bbl 1 28530gal SW f 1455000 scf	MD) CEME 5% HC W/ 68 of N2	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PA	TC. ! sand oducing or shut-in)	
PERFORA LO-LMN (256-6717 33. ATE FIRST PROSINTE OF TEST	TION RECORD 1 SPF	BOTTOM (MD) D (Interval, size and nur wif .34" 25 Holes PRODUC	SACKS CEMENT* 25 total Holes TION METHOD (Flow CHOKE SIZE PR TE: 1/2*	32. 6256-6717 PR ing, gas lift, pumping—sc. Flowing OD'N FOR OIL—BI	SIZE 2-3/8", 4.7 A(ODUCTION re and type of pu	J-55 CID, SHC Acidize Frac w/ Total or GAS-MC	8712' OT, FRACTURE, od w/ 10 bbl 1 28530gal SW f 1455000 scf	CEME 5% HC W/ 68 of N2	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL (C	TC. ! sand oducing of shut-in) GAS-OIL RATIO	
PERFORA PLO-LMN (256-6717 ATE FIRST PROST	TION RECORD 1 SPF	BOTTOM (MD) D (Interval, size and nur wif .34" 25 Holes PRODUC	25 total Holes TION METHOD (Flow CHOKE SIZE PR TE: 1/2* CALCULATED	32. 6256-6717 PR ng, gas litt, pumping-sr. Flowing OD'N FOR OIL-BI	SIZE 2-3/8", 4.7i A(ODUCTION re and type of pure and type of ty	J-55 CID, SHC Acidize Frac w/ Total or GAS-MC	8712' DT, FRACTURE, and w/ 10 bbl 1 28530gal SW f 1455000 scf	CEME 5% HC W/ 68 of N2	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL (C	TC. ! sand oducing or shut-in)	
PERFORA LO-LMN (256-6717 33. AYE FIRST PRO SI ATE OF TEST /2/09 OW. TUBING F	TION RECORD 1 SPF	BOTTOM (MD) D (Interval, size and nur WI .34" 25 Holes PRODUC HOURS TESTED 1 CASING PRESSURE	SACKS CEMENT* 25 total Holes TION METHOD (Flow CHOKE SIZE PR TE: 1/2*	32. 6256-6717 PR ng, gas lift, pumping-sc. Flowing OD'N FOR OIL-BI ST PERIOD OIL-BBL	SIZE 2-3/8", 4.71 ACCOUNTION TO AND	J-55 CID, SHC Acidize Frac w/ Total or GAS-MC 98	8712' DT, FRACTURE, d w/ 10 bbi 1: 28530gal SW f 1455000 scf F mcf/h WATER-BBI	MD) CEME 5% HC 6% HC W/ 68 Of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL (C	TC. ! sand oducing of shut-in) GAS-OIL RATIO	
PERFORA LO-LMN (256-6717 33. ATE FIRST PROSI	ODUCTION PRESS.	BOTTOM (MD) D (Interval, size and nur wif .34" 25 Holes PRODUC	25 total Holes TION METHOD (Flow CHOKE SIZE PR 1/2" CALCULATED 24-HOUR RATE	32. 6256-6717 PR ing, gas lift, pumping—sc. Flowing OD'N FOR OIL—BI	SIZE 2-3/8", 4.7 A(ODUCTION re and type of pu	J-55 CID, SHC Acidize Frac w/ Total or GAS-MC 98	8712' DT, FRACTURE, d w/ 10 bbi 1: 28530gal SW f 1455000 scf F mcf/h WATER-BBI	CEME 5% HC 7 w/ 68 of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL (C	TC. Z sand Oducing of shut-in) GAS-Oil RATIO DIL GRAVITY-API (CORR)	
PERFORA PLO-LMN (256-6717 33. ATE FIRST PRO SI ATE OF TEST /2/09 OW. TUBING F SI-100 34 DISPOSITIO O be sold.	ODUCTION ODUCTION PRESS. (C. Waiting	BOTTOM (MD) D (Interval, size and nur wil .34" 25 Holes PRODUC HOURS TESTED 1 CASING PRESSURE FCP-360	SACKS CEMENT* 25 total Holes TION METHOD (Flow) CHOKE SIZE PR 1/2* CALCULATED 24-HOUR RATE 7, 6/6.)	32. 6256-6717 PR ng, gas litt, pumping-sc. Flowing Oth FOR Oth-Bi ST PERIOD Oth-BBL 0	ODUCTION re and type of pu	J-55 CID, SHC Acidize Frac w/ Total or GAS-MC 98	8712' DT, FRACTURE, d w/ 10 bbi 1: 28530gal SW f 1455000 scf F mcf/h WATER-BBI	CEME 5% HC 7 w/ 68 of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL bbl/h	TC. Z sand Oducing of shut-in) GAS-Oil RATIO DIL GRAVITY-API (CORR)	
PERFORA- PLO-LMN (256-6717 33. ATE FIRST PRO SI ATE OF TEST /2/09 OW. TUBING F SI-100 DISPOSITIO	ODUCTION ODUCTION PRESS. CO. Waiting TACHMENTS	PRODUCE HOURS TESTED 1 CASING PRESSURE FCP-360 old. used for fuel, ventel for facilities to	25 total Holes TION METHOD (Flow CHOKE SIZE PR 1/2" CALCULATED 24-HOUR RATE 7, etc.) be set before	32. 6256-6717 PR ng, gas int. pumping-si. Flowing OD'N FOR OIL-BIST PERIOD OIL-BBL 0	SIZE 2-3/8", 4.71 ACCOUNTION THE AIR TYPE OF PUR GAS-MCF 2346 I	J-55 CID, SHC Acidize Frac w/ Total or GAS-MC 98	8712' DT, FRACTURE, d w/ 10 bbi 1: 28530gal SW f 1455000 scf F mcf/h WATER-BBI	CEME 5% HC 7 w/ 68 of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL bbl/h	TC. Z sand Oducing of shut-in) GAS-Oil. RATIO DIL GRAVITY-API (CORR)	
PERFORA- PLO-LMN (256-6717 33. ATE FIRST PRO SI ATE OF TEST /2/09 OW. TUBING F SI-100 34 DISPOSITIO O be sold. 35. LIST OF AT his is a E	ODUCTION ODUCTION PRESS. ON OF GAS (S. Waiting TACHMENTS Dakota/ M.	PRODUCE HOURS TESTED 1 CASING PRESSURE FCP-360 old. used for fuel, venter for facilities to	SACKS CEMENT* 25 total Holes TION METHOD (Flow CHOKE SIZE PR TE 1/2* CALCULATED 24-HOUR RATE 7. etc.) be set before	32. 6256-6717 PR ng. gas lift. pumping-sic Flowing OD'N FOR OIL-BIS OIL-BBL 0 can first deliv DHC # 2909 A	SIZE 2-3/8", 4.7i A(ODUCTION re and type of pu BL 0 GAS-MCF 2346 r	Frac w/ Total of GAS-MC 98	8712' OT, FRACTURE, od w/ 10 bbi 1 28530gai SW f 1455000 scf F mcf/h WATER-BBI 0	CEME 5% HC 7 w/ 68 of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL bbl/h	TC. Z sand Oducing of shut-in) GAS-Oil. RATIO DIL GRAVITY-API (CORR)	
33. ATE FIRST PROST SI ATE OF TEST /2/09 OW. TUBING F SI-100 34 DISPOSITIO to be sold. 35. LIST OF AT This is a E	ODUCTION ODUCTION PRESS. ON OF GAS (S. Waiting TACHMENTS Dakota/ M.	PRODUCE HOURS TESTED 1 CASING PRESSURE FCP-360 old. used for fuel, ventel for facilities to	SACKS CEMENT* 25 total Holes TION METHOD (Flow CHOKE SIZE PR TE 1/2* CALCULATED 24-HOUR RATE 7. etc.) be set before	32. 6256-6717 PR ng. gas lift. pumping-sic Flowing OD'N FOR OIL-BIS OIL-BBL 0 can first deliv DHC # 2909 A	SIZE 2-3/8", 4.7i A(ODUCTION re and type of pu BL 0 GAS-MCF 2346 r	Frac w/ Total of GAS-MC 98	8712' OT, FRACTURE, od w/ 10 bbi 1 28530gai SW f 1455000 scf F mcf/h WATER-BBI 0	CEME 5% HC 7 w/ 68 of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL bbl/h	TC. Z sand Oducing of shut-in) GAS-Oil. RATIO DIL GRAVITY-API (CORR)	
SIZE 1 PERFORA 1 PERFORA 1 PERFORA 1 PERFORA 2 SI 2 SI ATE FIRST PRO SI ATE OF TEST 2 109 OW. TUBING F SI-100 3 DISPOSITIO TO be sold. 35 LIST OF AT This is a E	ODUCTION ODUCTION PRESS. ON OF GAS (S. Waiting TACHMENTS Dakota/ M.	PRODUCE HOURS TESTED 1 CASING PRESSURE FCP-360 old. used for fuel, venter for facilities to	SACKS CEMENT* 25 total Holes TION METHOD (Flow CHOKE SIZE PR TE 1/2* CALCULATED 24-HOUR RATE 7. etc.) be set before	32. 6256-6717 PR ng. gas lift. pumping-sic Flowing OD'N FOR OIL-BIS OIL-BBL 0 can first deliv DHC # 2909 A	ODUCTION re and type of pu GAS-MCF 2346 r er. Z. d from all availab	Frac w/ Total of GAS-MC 98	8712' DT, FRACTURE, d w/ 10 bbi 1 28530gai SW f 1455000 scf F mcf/h WATER-BBL	CEME 5% HC 7 w/ 68 of N2 WATE	PAC NT SQUEEZE, E L Acid 544# 20/40 AZ used WELL STATUS (PR SI R-BBL bbl/h	TC. Z sand Oducing of shut-in) GAS-Oil. RATIO DIL GRAVITY-API (CORR)	

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 JUL 0 6 2009 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE

FOR APPROVED OMB NO. 1004-0137

Expires December 31, 1991

DHIBBU OF LONG MANER STATE DESIGNATION AND SERIAL NO. **BUREAU OF LAND MANAGEMENT**

Farmington Fleid Oilica SF-079729 WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 6 IF INDIAN, ALLOTTEE OR TRIBE NAME 1a TYPE OF WELL UNIT AGREEMENT NAME b TYPE OF COMPLETION: San Juan 28-4 Unit 8. FARM OR LEASE NAME, WELL NO San Juan 28-4 Unit 17M 2. NAME OF OPERATOR Burlington Resources Oil & Gas Co., LP 30-039-30382 ADDRESS AND TELEPHONE NO. FIELD AND POOL, OR WILDCAT PO BOX 4289, Farmington, NM 87499 (505) 326-9700 Basin DK/Blanco MV 4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements) SEC. T. R. M. OR BLOCK AND SURVEY At surface Unit F (SENW), 1915' FNL & 1530' FWL At Bottom Sec 20, T28N, R4W, NMPM At top prod. interval reported below Same as above At total depth Same as above DIST. 3 14. PERMIT NO. DATE ISSUED 12. COUNTY OR 13. STATE PARISH Rio Arriba **New Mexico** 7. DATE COMPL. (Ready to grad.) 15. DATE SPUDDED 16 DATE T D REACHED 18 ELEVATIONS (DF, RKB, RT, BR, ETC.) 19. ELEV CASINGHEAD 10/05/08 10/16/08 6/10/09 GL 7440 KB 7452 20 TOTAL DEPTH, MD &TVD 21 PLUG BACK T.D. MD &TVD 22. IF MULTIPLE COMPL. INTERVALS CABLE TOOLS HOW MANY DRILLED BY 8846 8854 Yes 24 PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) 25 WAS DIRECTIONAL SURVEY MADE Dakota 8675'-8810' no 26 TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED GR/CBL/CCL CASING RECORD (Report all strings set in well) 28. TOP OF CEMENT, CEMENTING RECORD WEIGHT, LB./FT DEPTH SET (MD) HOLE SIZE CASING SIZE/GRADE AMOUNT PULLED 9-5/8", H-40 32.3# 259 12 1/4" Surface: 178sx(225cf) 25 bbl 7", J-55 20# & 23# 4704 8 3/4* Surface: 686sx(1400cf) 40.25 bbl ST @ 3986 TOC 3950' 11.6# & 10.5# 8847 6 1/4" 4.5", J-55 325sx(652cf) LINER RECORD TUBING RECORD TOP (MD) BOTTOM (MD) SACKS CEMENT* DEPTH SET (MD) SCREEN (MD) PACKER SET (MD) SIZE 2-3/8",4.7# J-55 8712' PERFORATION RECORD (Interval, size and number ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DK @ 1 SPF w/ .34" 8675-8810 Acidized w/ 10 bbl 15% HCL Acid 8675-8697 10 Holes Frac w/ 106932gal SW w/ 38223# 20/40 AZ sand DK @ 2 SPF w/ .34" w/ 4066# 20/40 TLC 8736-8810 42 Holes 52 total Holes PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) WELL STATUS (Producing or shut-in) SI SI Flowing DATE OF TEST HOURS TESTER HOKE SIZE ROD'N FOR GAS-MCF WATER-BBI GAS-OIL RATIO TEST PERIOD 6/9/09 47 mcf/h .25 bwph FLOW TUBING PRESS ASING PRESSURE CALCULATED OIL GRAVITY-API (CORR.) 24-HOUR RATE 6 bwpd SI-853 1138 mcf/d SI-924 TEST WITNESSED BY To be sold. Waiting for facilities to be set before can first deliver. This is a Dakota/ Mesa Verde commingle w/ DHC # 2909 AZ 36 Thereby certify that the foregoing and attached information is complete and correct as determined from all available records Regulatory Technician SIGNED

(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.

JUL 0 6 2009





Ojo Alamo	3748'	3983'	White, cr-gr ss.	Ojo Alamo	3748'
Kirtland	3983'	4200'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3983'
			Dk gry-gry carb sh, coal, grn silts, light-med gry, tight,		
Fruitland	4200'	4435'	fine gr ss.	Fruitland	4200'
Pictured Cliffs	4435'	4590'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	4435'
Lewis	4590'	5039'	Shale w/siltstone stringers	Lewis	4590'
Huerfanito Bentonite	5039'	5395'	White, waxy chalky bentonite	Huerfanito Bentonite	5039'
Chacra	5395'	6040'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	5395'
Mesa Verde	6040'	6270'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	6040'
Menefee	6270'	6572'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	6270'
			Med-light gry, very fine gr ss w/frequent sh breaks in		
Point lookout	6572'	6897'	lower part of formation	Point lookout	6572'
Mancos	6897'	7798'	Dark gry carb sh.	Mancos	6897'
			Lt gry to brn calc carb micac glauc silts & very fine gr		•
Gallup	7798'	8549'	gry ss w/irreg.interbed sh	Gallup	7798'
Greenhorn	8549'	8602'	Highly calc gry sh w/thin lmst.	Greenhorn	8549'
Graneros	8602'	8674'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	8602'
			Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin		
Dakota	8674'		sh bands clay & shale breaks	Dakota	8674'

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