SUBMIT IN DUPLICATE

FOR APPROVED

							tructions on			
		DEPAR	TMENT O	F THE INTE	RIOR		everse side)		Expires D	December 31, 1991
		BURE	AU OF LAN	D MANAGEME	NT		ľ	5 LE		ION AND SERIAL NO
		_ 5,11			•		ļ		SF-	078483-A
VELL COMF	I ETION C	D DEC	OMDLE	TION DE	ODT AND	LOC*		6 IF I		EE OR TRIBE NAME
	LETION		2.2	TION REI	ONI AND	LUG				•
a TYPE OF WELL.		WELL	GAS WELL X	DRY Other	r		L			
TYPE OF COMPL	ETION:							7 UN	IT AGREEMENT	n Unit Com Need (
NEW	WORK	DEEP	PLUG	DIFF			ŀ	8 FAI		NAME, WELL NO
WELL	OVER	EN	BACK	RESVR Other					IN ON LEASE I	
			···				BB an	m H I)		60M
NAME OF OPERA		0440			(D)				WELL NO	45.04005
ADDRESS AND T	on Resources	S Ull & G	as Compai	<u>''</u>	13.0			40 5	30-0	45-34865 - 66C \\ , OR WILDCAT  Mesaverde  PR BLOCK AND SURVEY
		NIM 07	400 /EOF	5) 326-9700			10 201	$d_{o - 1}$	ELU AND POOL	, OH WILDCAT
LOCATION OF W	1289, Farmingto				raguramante\*	<del>-и0</del> √	19 50	11 0	Dianco	Mesaverde OR BLOCK AND SURVEY
	• •	•	,	ce will any State				-056	26757	ON DECOCK AND SORVE
At surface	B (NWNE), 221	FNL & 1	940' FEL '			ນ ດີໂ	Land Ma	J Offi	C/Q	
			45 40 450		EV	lean or	Land Ma Igton Fie	7		TOON D714
At top prod. interv	al reported below	SAI	ME AS ABO	V E	wF	F3111111	• • • • •		Sec. 26	, T32N, R7W
At total depth	SAME AS ABO	VE					l l			
, a total dop										
			14	. PERMIT NO.	DATE ISSUE	D		12 C	OUNTY OR	13. STATE
					- [		ł	F	PARISH	Manua 55 .
DATE ON IESE	40 DATE = 5	ACHED	117 DATE CO	MDI /Paset to	<u> </u>	10 5	TIONS IN T		an Juan	New Mexico
	16 DATE T.D RE 09/02/2		17 DATE CO	MPL (Ready to pro 11/04/200	· .		TIONS (DF, RK		•	19 ELEV CASINGHEAD
06/04/2009 TOTAL DEPTH, MD			T D., MD &TVD	22 IF MULTIPLE		23 INTERV	GL 6562'		6577' Y TOOLS	CABLE TOOLS
. TOTAL DEPTH, MD	21.1	LUG, DACK	טאוא טוא,.עוי		V MANY*	DRILL		no i AH'	IOULS	CADLE TOOLS
8172'		81	68'	į.	2		l		ves	1
PRODUCTION INTE	RVAL (S) OF THIS C	OMPLETION	I-TOP, BOTTOM	, NAME (MD AND T	VD)*				25 WAS DIREC	CTIONAL
								Ì	SURVEY N	
Blanco Mesa										No
. TYPE ELECTRIC AN		JN					ľ	27 WAS	WELL CORED	
GR/CCL/CB	<u> </u>									No
		`		CASING RECOR	D (Report all strings		,			
CASING SIZE/GRADE	WEIGHT, LB	/FT. DE	PTH SET (MD)			IENT, CEME	NTING RECO	RD.	Α	MOUNT PULLED
					Surface, 76sx(122cf-22bbls			4 bbls		
9 5/8" / H-40	32.3#		227'	12 1/4"						
7" / J-55	20#		3675'	8 3/4"	Surface, 5	20sx(104	12cf-185bb	ls)		4 bbls 41 bbls
7" / J-55 4 1/2" / L-80	20# 11.6#		3675' 8169'		Surface, 5 TOC@2020	20sx(104	12cf-185bb	ls) bls)		41 bbls
7" / J-55 4 1/2" / L-80	20# 11.6# LIN	ER RECOR	3675' 8169' RD	8 3/4" 6 1/4"	Surface, 5 TOC@2020	20sx(104 ', 439sx(	12cf-185bb 638cf-114b	ls) bls) TU	BING RECORI	41 bbls
7" / J-55 4 1/2" / L-80	20# 11.6# LIN		3675' 8169'	8 3/4" 6 1/4"	Surface, 5 TOC@2020 30. ) SIZE	20sx(104 ', 439sx(	12cf-185bb 638cf-114b DEPTH SET (N	ls) bls) TU		41 bbls
7" / J-55 4 1/2" / L-80	20# 11.6# LIN		3675' 8169' RD	8 3/4" 6 1/4"	Surface, 5 TOC@2020	20sx(104 ', 439sx(	12cf-185bb 638cf-114b	ls) bls) TU		41 bbls
7" / J-55 4 1/2" / L-80	20# 11.6# LIN MD) BOTTOM	(MD) SA	3675' 8169' RD	8 3/4" 6 1/4" SCREEN (MD	Surface, 5 TOC@2020 30. ) SIZE 2 3/8", 4.7#,	20sx(104 ', 439sx(1 J-55	12cf-185bb 638cf-114b DEPTH SET (N 8082'	bis) TU	P	41 bbls D ACKER SET (MD)
7" / J-55 4 1/2" / L-80 SIZE TOP (I	20# 11.6# LIN MD) BOTTOM	(MD) SA	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD	Surface, 5 TOC@2020 30. ) SIZE 2 3/8", 4.7#,	20sx(104 ', 439sx(1 J-55	12cf-185bb 638cf-114b DEPTH SET (N 8082'	bis) TU		41 bbls D ACKER SET (MD)
7" / J-55 4 1/2" / L-80  SIZE TOP (I	20# 11.6# LIN MD) BOTTOM (CORD (Interval, size are Menefee w/	(MD) SA	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD	Surface, 5 TOC@2020 30. ) SIZE 2 3/8", 4.7#,  ACIO B' - 6132'	J-55	12cf-185bb 1638cf-114b 10EPTH SET (N 18082' FRACTURE, (	bis) TU MD) CEMEN	P. IT SQUEEZE,	A1 bbls  D  ACKER SET (MD)  ETC.
7" / J-55 4 1/2" / L-80 SIZE TOP (I PERFORATION REC nt Lookout/Low PF @ 5788' - 613	20# 11.6# LIN MD) BOTTOM: CORD (Interval, size are Menefee w/ 12' = 24 Holes	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACII 3' - 6132'	20sx(104 ', 439sx(1 J-55 D, SHOT, I	12cf-185bb 538cf-114b DEPTH SET (N 8082' FRACTURE, I	DIS) TU MD) CEMEN	P. IT SQUEEZE, CL. Frac w/	A1 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 per Menefee/Clift	20# 11.6# LIN MD) BOTTOM  CORD (Interval, size if whenefee w/ .2' = 24 Holes fhouse w/ .34"	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4" SCREEN (MD	Surface, 5 TOC@2020 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 6132'	J-55 D, SHOT, I	12cf-185bb 638cf-114b DEPTH SET (N 8082' FRACTURE, ( w/ 10bbls 1 ter w/ 100,0	DES)  TU  MD)  CEMEN  5% HG  044# 2	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$	### A1 bbls  D  ACKER SET (MD)  ETC.  #9,014gals 60%  Sand. N2:1,192,000SCF
7" / J-55 4 1/2" / L-80 SIZE TOP (I PERFORATION REC int Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566	20# 11.6# LIN MD) BOTTOM: CORD (Interval, size a er Menefee w/ .2' = 24 Holes ffhouse w/ .34" 4' = 26 Holes	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4" SCREEN (MD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132'	J-55 D, SHOT, I Acidize v SlickWar	12cf-185bb 638cf-114b 638cf-114b DEPTH SET (N 8082' FRACTURE, ( W/ 10bbls 1 ter w/ 100,0 19,896gals	DIS) TU MD) CEMEN 5% HG 044# 2	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ BlickWater w	A1 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566 vis w/ .34" diam	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ .2' = 24 Holes Iffhouse w/ .34" 4' = 26 Holes	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD  32  5788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#, ACID 3' - 6132' 3' - 5664'	J-55  Acidize v SlickWar Frac w/ 4	12cf-185bb 638cf-114b 638cf-114b DEPTH SET (N 8082' FRACTURE, ( w/ 10bbls 1 ter w/ 100,0 19,896gals and, N2:1,1	S) bis) TU MD) CEMEN	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ SlickWater w SCF	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 DET Menefee/Clif PF @ 5218' - 566 vis w/ .34" diam	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ .2' = 24 Holes Iffhouse w/ .34" 4' = 26 Holes	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD  32  5788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132' 3' - 5664'	20sx(10 <sup>2</sup> , 439sx(1) J-55  D, SHOT, I  Acidize v  SlickWar  Frac w/  Brady Si  Frac w/	DEPTH SET (N 8082' FRACTURE, N W/ 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1	S) bis) TU MD) CEMEN	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ SlickWater w SCF	### A1 bbls  D  ACKER SET (MD)  ETC.  #9,014gals 60%  Sand. N2:1,192,000SCF
7" / J-55 4 1/2" / L-80 SIZE TOP (I PERFORATION REC Int Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566 vis w/ .34" diam PF @ 4788' - 506	20# 11.6# LIN MD) BOTTOM  CORD (Interval, size is er Menefee w/ 12' = 24 Holes fihouse w/ .34" 4' = 26 Holes  0' = 24 Holes	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD  32  5788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132' 3' - 5664'	20sx(10 <sup>2</sup> , 439sx(1) J-55  D, SHOT, I  Acidize v  SlickWar  Frac w/  Brady Si  Frac w/	12cf-185bb 638cf-114b 638cf-114b DEPTH SET (N 8082' FRACTURE, ( w/ 10bbls 1 ter w/ 100,0 19,896gals and, N2:1,1	S) bis) TU MD) CEMEN	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ SlickWater w SCF	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40
7" / J-55 4 1/2" / L-80 SIZE TOP (I PERFORATION REC INT LOOKOUT/LOW PF @ 5788' - 613 DEF Menefee/Clif PF @ 5218' - 566 Vis w/ .34" diam PF @ 4788' - 506	20# 11.6# LIN MD) BOTTOM  CORD (Interval, size is er Menefee w/ 12' = 24 Holes fihouse w/ .34" 4' = 26 Holes  0' = 24 Holes	(MD) SA and number) .34" diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACIG 3' - 5132' 3' - 5664'	20sx(10 <sup>2</sup> , 439sx(1) J-55  D, SHOT, I  Acidize v  SlickWar  Frac w/  Brady Si  Frac w/	DEPTH SET (N 8082' FRACTURE, N W/ 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1	S) bis) TU MD) CEMEN	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ SlickWater w SCF	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40
7" / J-55 4 1/2" / L-80  SIZE TOP (II  PERFORATION REC  Int Lookout/Low  PF @ 5788' - 613  per Meneree/Clif  PF @ 5218' - 566  vis w/ .34" diam  PF @ 4788' - 506  saverde Total Ho	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ siz' = 24 Holes fithouse w/ .34" 44' = 26 Holes .  10' = 24 Holes bles = 74	(MD) SA and number) .34" diam. diam.	3675' 8169' RD ACKS CEMENT*	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132' 3' - 5664'	J-55 D, SHOT, I Acidize t SlickWat Frac w/ A Brady Sa Frac w/ S Sand. N2	DEPTH SET (N 8082' FRACTURE, N W/ 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1	S)  bis)  TU  MD)  CEMEN  5% HG  044# 2  60% S  39,000  75% C  SCF	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ SlickWater w OSCF ClearFrac w/	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC  nt Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566 vis w/ .34" diam PF @ 4788' - 506 saverde Total He	20# 11.6# LIN MD) BOTTOM.  CORD (Interval, size if er Menefee w/ .2' = 24 Holes ffhouse w/ .34" .4' = 26 Holes .60' = 24 Holes Dies = 74	(MD) SA and number) .34" diam. diam. RODUCTION	3675' 8169' RD ACKS CEMENT*  .  I METHOD (Flow	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 6132'  3' - 5664'  3' - 5060'  PRODUCTION g-size and type of pure	J-55 D, SHOT, I Acidize N SlickWar Frac W/ A Brady Sa Frac W/ S Sand. N:	DEPTH SET (N 8082' FRACTURE, N W/ 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN	P.  IT SQUEEZE,  CL. Frac w/ 4  0/40 Brady \$  SlickWater w  DSCF  ClearFrac w/	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566 vis w/ .34" diam PF @ 4788' - 506 saverde Total Ho	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ siz' = 24 Holes fithouse w/ .34" 44' = 26 Holes .  10' = 24 Holes bles = 74	(MD) SA and number) .34" diam. diam. RODUCTION	3675' 8169' RD ACKS CEMENT*  .  I METHOD (Flow	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  OD'N FOR OIL	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 6132'  3' - 5664'  PRODUCTION	J-55 D, SHOT, I Acidize t SlickWat Frac w/ A Brady Sa Frac w/ S Sand. N2	DEPTH SET (N 8082' FRACTURE, N W/ 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN	P. IT SQUEEZE, CL. Frac w/ 4 0/40 Brady \$ SlickWater w OSCF ClearFrac w/	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40  51,154# 20/40 Brady
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 PF @ 5788' - 566 Vis w/ .34" diam PF @ 4788' - 506  Saverde Total Ho  FIRST PRODUCTION N/A	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ .2' = 24 Holes Iffhouse w/ .34" 4' = 26 Holes .0' = 24 Holes Dies = 74	(MD) SA and number) .34" diam. diam. RODUCTION	3675' 8169' RD ACKS CEMENT*  .  I METHOD (Flow IG / KE SIZE PR	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132' 3' - 5664' 3' - 5060' PRODUCTION g-size and type of pum	J-55 D, SHOT, I  Acidize N SlickWar Frac W/ Brady Sa Frac W/ Sand, N;	DEPTH SET (N 8082' FRACTURE, (N 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1 18,228gals 2:1,042,000	S) bis) TU MD) CEMEN 5% HC 044# 2 60% S 39,000 75% C SCF	P. P	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC  Int Lookout/Low  F @ 5788' - 613  Der Menefee/Clif  F @ 5218' - 566  vis w/ .34" diam  F @ 4788' - 506  Saverde Total Ho  FIRST PRODUCTIO  N/A  E OF TEST  10/30/2009	20# 11.6# LIN MD) BOTTOM  CORD (Interval, size is er Menefee w/ size = 24 Holes If house w/ .34" 4' = 26 Holes 0' = 24 Holes Dies = 74  HOURS TESTE	and number) .34" diam. diam.  RODUCTION FLOWIN	3675' 8169' RD ACKS CEMENT*  I METHOD (Flow IG   KE SIZE   PR TE 1/2"   —	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  OD'N FOR OIL ST PERIOD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACIG 3' - 6132'  1' - 5664'  PRODUCTION g-size and type of pumBBL 0	J-55 D, SHOT, I  Acidize N SlickWar Frac W/ Brady Sa Frac W/ Sand, N;	12cf-185bb 638cf-114b 638cf-114b 8082' FRACTURE, ( w/ 10bbls 1 fer w/ 100,0 49,896gals and, N2:1,1 18,228gals 2:1,042,000	TU (MD) (CEMEN (MD) (MD) (MD) (MD) (MD) (MD) (MD) (MD)	P.  IT SQUEEZE,  CL. Frac w/ 4  0/40 Brady \$  SlickWater w  DSCF  ClearFrac w/	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC  Int Lookout/Low  F @ 5788' - 613  Der Menefee/Clif  F @ 5218' - 566  vis w/ .34" diam  F @ 4788' - 506  Saverde Total Ho  FIRST PRODUCTIO  N/A  E OF TEST  10/30/2009	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ .2' = 24 Holes Iffhouse w/ .34" 4' = 26 Holes .0' = 24 Holes Dies = 74	and number) .34" diam.  diam.  RODUCTION FLOWIN D CHO	3675' 8169' RD ACKS CEMENT*  NG  KE SIZE PR TE 1/2" — CULATED	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  OD'N FOR OIL	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132' 3' - 5664' 3' - 5060' PRODUCTION g-size and type of pum	J-55 D, SHOT, I  Acidize N SlickWar Frac W/ Brady Sa Frac W/ Sand, N;	DEPTH SET (N 8082' FRACTURE, (N 10bbls 1 ter w/ 100,0 49,896gals and, N2:1,1 18,228gals 2:1,042,000	TU (MD) (CEMEN (MD) (MD) (MD) (MD) (MD) (MD) (MD) (MD)	P. P	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shullin)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC  Int Lookout/Low  PF @ 5788' - 613  PF @ 5788' - 506  Vis w/ .34" diam  PF @ 4788' - 506  Saverde Total Ho  E FIRST PRODUCTION  N/A  E OF TEST  10/30/2009 /  V. TUBING PRESS	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ siz' = 24 Holes Iffhouse w/ .34" A' = 26 Holes Dies = 74  HOURS TESTE  1 hr.  CASING PRESS	(MD) SA and number) .34" diam.  diam.  RODUCTION FLOWIN D CHO SURE CALC 24-HG	3675' 8169' RD ACKS CEMENT*  I METHOD (Flow IG   KE SIZE   PR TE 1/2"   TE	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  ODIN FOR OIL ST PERIOD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 6132'  B' - 5664'  C' - 5060'  PRODUCTION g-size and type of pum GAS-MCF	J-55 D, SHOT, II Acidize N SlickWat Frac W/ Brady S: Frac W/ Sand. N: GAS-MCF	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN 5% H0 444# 2 39,000 SCF	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF ClearFrac w/  WELL STATUS SI / R-BBL	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  // 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 Der Menefee/Clif PF @ 5218' - 566 Vis w/ .34" diam PF @ 4788' - 506 Saverde Total Ho  E FIRST PRODUCTIO N/A E OF TEST  10/30/2009 / W. TUBING PRESS  SI - 739psi	20#   11.6#   LIN	(MD) SA and number) .34" diam. diam.  RODUCTION FLOWIN D CHO SURE CALC 24-HO DSI	3675' 8169' RD ACKS CEMENT*  IMETHOD (Flow IG / KE SIZE PR TE 1/2"  CULATED OUR RATE	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  OD'N FOR OIL ST PERIOD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACIG 3' - 6132'  1' - 5664'  PRODUCTION g-size and type of pumBBL 0	J-55 D, SHOT, II Acidize N SlickWat Frac W/ Brady S: Frac W/ Sand. N: GAS-MCF	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	TU (MD) (CEMEN (MD) (MD) (MD) (MD) (MD) (MD) (MD) (MD)	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF  ClearFrac w/  WELL STATUS SI	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60% Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 PF @ 5788' - 613 PF @ 5218' - 566 Vis w/ .34" diam PF @ 4788' - 506  Saverde Total Ho  E FIRST PRODUCTIO N/A  E OF TEST  10/30/2009 / W. TUBING PAESS  SI - 739psi	20# 11.6# LIN MD) BOTTOM.  CORD (Interval, size if er Menefee w/ .2' = 24 Holes ffhouse w/ .34" 4' = 26 Holes 0' = 24 Holes Dies = 74  N P HOURS TESTE 1 hr. CASING PRESS SI - 459p	(MD) SA and number) .34" diam. diam.  RODUCTION FLOWIN D CHO SURE CALC 24-Hu OSi el, vented, etc.	3675' 8169' RD ACKS CEMENT*  IMETHOD (Flow IG / KE SIZE PR TE 1/2"  CULATED OUR RATE	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  ODIN FOR OIL ST PERIOD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 6132'  B' - 5664'  C' - 5060'  PRODUCTION g-size and type of pum GAS-MCF	J-55 D, SHOT, II Acidize N SlickWat Frac W/ Brady S: Frac W/ Sand. N: GAS-MCF	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN 5% H0 444# 2 39,000 SCF	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF ClearFrac w/  WELL STATUS SI / R-BBL	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60% Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 PF @ 5218' - 566 VIS W/ .34" diam PF @ 4788' - 506  Saverde Total Ho  E FIRST PRODUCTION N/A E OF TEST  10/30/2009 / W. TUBING PRESS  SI - 739psi DISPOSITION OF GA	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size it er Menefee w/. 2' = 24 Holes fihouse w/.34" 4' = 26 Holes DIES = 74  HOURS TESTE 1 hr. CASING PRESS SI - 459p AS (Sold, used for fur	(MD) SA and number) .34" diam. diam.  RODUCTION FLOWIN D CHO SURE CALC 24-Hu OSi el, vented, etc.	3675' 8169' RD ACKS CEMENT*  IMETHOD (Flow IG / KE SIZE PR TE 1/2"  CULATED OUR RATE	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  ODIN FOR OIL ST PERIOD	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 6132'  B' - 5664'  C' - 5060'  PRODUCTION g-size and type of pum GAS-MCF	J-55 D, SHOT, II Acidize N SlickWat Frac W/ Brady S: Frac W/ Sand. N: GAS-MCF	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN 5% H0 444# 2 39,000 SCF	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF  ClearFrac w/  WELL STATUS SI	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60% Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC Int Lookout/Low PF @ 5788' - 613 PER Menefee/Clif PF @ 5218' - 566 wis w/ .34" diam PF @ 4788' - 506  saverde Total Ho  E FIRST PRODUCTIO N/A  E OF TEST  10/30/2009 / W. TUBING PRESS  SI - 739psi DISPOSITION OF G/	20# 11.6# LIN MD) BOTTOM:  CORD (Interval, size is er Menefee w/ .2' = 24 Holes fithouse w/ .34" 4' = 26 Holes .0' = 24 Holes Dies = 74  HOURS TESTE 1 hr. CASING PRESS SI - 459g AS (Sold, used for fur To be so	and number) .34" diam.  diam.  RODUCTION FLOWIN D CHO 24-H OSI et, vented, etc.	3675' 8169' RD ACKS CEMENT*  METHOD (Flow IG / KE SIZE PR TE 1/2"  CULATED OUR RATE  5.)	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  ODIN FOR ST PERIOD  OIL-BBL  0	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132'  3' - 5664'  PRODUCTION PRODUCTION PRODUCTION GAS-MCF 1716 mcf	J-55 D, SHOT, I Acidize N SlickWar Frac w/ Brady Sa Frac w/ Sand. N: GAS-MCF 72 r	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN 5% H0 444# 2 39,000 SCF	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF  ClearFrac w/  WELL STATUS SI	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60% Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC int Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566 wis w/ .34" diam PF @ 4788' - 506 saverde Total Ho  E FIRST PRODUCTIO N/A  E OF TEST  10/30/2009 / W. TUBING PÄESS  SI - 739psi DISPOSITION OF G/	20# 11.6# LIN MD) BOTTOM  CORD (Interval, size : er Menefee w/, 12' = 24 Holes ifhouse w/ .34" 14' = 26 Holes  O' = 24 Holes  O' = 24 Holes  I hr.  CASING PRESS  SI - 459p  AS (Sold, used for full To be so  NTS  a Basin Dakota	ABlanco Mand Number (MD) SA and number (MD) .34" diam.  RODUCTION FLOWING CHOICE (CALC) CALC (MD) CHOICE (MD) CHOICE (MD) CHOICE (MD) CALC (MD) CA	3675' 8169' RD ACKS CEMENT*  METHOD (Flow IG /	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  ODIN FOR OIL ST PERIOD  OUL-BBL  0	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACIG 3' - 6132'  1' - 5664'  1' - 5060'  PRODUCTION g-size and type of pumBBL  0 GASMCF 1716 mcf	J-55 D, SHOT, I Acidize N SlickWar Frac w/ Brady Sa Frac w/ GAS-MCF 72 r	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN 5% H0 444# 2 39,000 SCF	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF  ClearFrac w/  WELL STATUS SI	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
7" / J-55 4 1/2" / L-80  SIZE TOP (I  PERFORATION REC int Lookout/Low PF @ 5788' - 613 per Menefee/Clif PF @ 5218' - 566 wis w/ .34" diam PF @ 4788' - 506 saverde Total Ho  E FIRST PRODUCTIO N/A  E OF TEST  10/30/2009 / W. TUBING PÄESS  SI - 739psi DISPOSITION OF G/	20# 11.6# LIN MD) BOTTOM  CORD (Interval, size : er Menefee w/, 12' = 24 Holes ifhouse w/ .34" 14' = 26 Holes  O' = 24 Holes  O' = 24 Holes  I hr.  CASING PRESS  SI - 459p  AS (Sold, used for full To be so  NTS  a Basin Dakota	ABlanco Mand Number (MD) SA and number (MD) .34" diam.  RODUCTION FLOWING CHOICE (CALC) CALC (MD) CHOICE (MD) CHOICE (MD) CHOICE (MD) CALC (MD) CA	3675' 8169' RD ACKS CEMENT*  METHOD (Flow IG /	8 3/4" 6 1/4"  SCREEN (MD  32  5788  4788  4788  ODIN FOR OIL ST PERIOD  OUL-BBL  0	Surface, 5 TOC@2020' 30. ) SIZE 2 3/8", 4.7#,  ACID 3' - 5132'  3' - 5664'  PRODUCTION PRODUCTION PRODUCTION GAS-MCF 1716 mcf	J-55 D, SHOT, I Acidize N SlickWar Frac w/ Brady Sa Frac w/ GAS-MCF 72 r	DEPTH SET (N 8082' FRACTURE, N/ 10bbls 1 ter w/ 100,0 49,896gals and. N2:1,1 18,228gals 2:1,042,000	S) TU MD) CEMEN 5% H0 444# 2 39,000 SCF	P.  IT SQUEEZE,  CL. Frac w/ 4 0/40 Brady \$ SlickWater w DSCF  ClearFrac w/  WELL STATUS SI	41 bbls  D  ACKER SET (MD)  ETC.  49,014gals 60%  Sand. N2:1,192,000SCF  1/ 100,712# of 20/40  51,154# 20/40 Brady  (Producing or shul-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
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NMOCD ₩

					2.
API # 30-045-34865			Allison Unit Com 60M		30.
Ojo Alamo	2420'	2516'	White, cr-gr ss.	🔤 Ojo Alamo 💢	2420'
Kirtland	2516'	2897'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland 👸	2516
Fruitland	2897'	3473'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2897'
Pictured Cliffs	3473	3600'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3473
Lewis	3600'	4324'	Shale w/siltstone stringers	Lewis	3600'
Huerfanito Bentonite	4324'	4783'	White, waxy chalky bentonite	Huerfanito Bent.	4324'
Chacra	4783'	5203'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4783'
Mesa Verde	5203'	5590'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5203'
Menefee	5590'	5787'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5590'
Point Lookout	5787'	6250'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5787'
Mancos	6250	7184	Dark gry carb sh.	Mancos Mancos	6250'
Gallup	7184'	7891'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	7184'
Greenhorn	7891'	7947'	Highly calc gry sh w/thin Imst.	Greenhorn	7891'
Graneros	7947	8055'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7947'
Dakota	8055'	•	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	8055'
Morrison .		1	Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	1

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Form 3160-4 (October 1990)

## **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE\* (See other In-structions on

FOR APPROVED OMB NO 1004-0137

Expires December 31, 1991 5 LEASE DESIGNATION AND SERIAL NO

SF-078483-A

WELL	COMPL	E HON OR		LEIIC	ON KEI	PORT AND	LO	Ġ"	] " "	INDIAIN, ALLOT I	EE ON THIBE NAME	
1a TYPE O	F WELL:	ÓIL WELI	GAS WELL X	DR	Olher				L	MMN	M-108169>	
b TYPE O	F COMPLET	ION-						- 17 (****	J. UN	NMNI IIT AGREEMENT Allisoi	NAME n Unit Com	
	NEW TY	WORK DEER		] DIF					8 FA	RM OR LEASE N	NAME, WELL NO	
	WELL,	OVER EN	BACK	RES	SVROther	(C)	Paris Pl				60M	
2 NAME C	OF OPERATO	OR .				В.		200	M.9 AF	PLWELL NO	OUM	
			& Gas Comi	panv			NΠ	N 13 200	درا	30-0	ا ۱۵۵۵-۵۵۶ ۱۵۵۶	
3 ADDRES	SS AND TEL	EPHONE NO.					110		10a F	IELD AND POOL	, OR WILDCAT	
Burlington Resources Oil & Gas Company  3 ADDRESS AND TELEPHONE NO.  PO BOX 4289, Farmington, NM 87499 (505) 326-9700  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Farmington Telephone (NWNE), 221' FNL & 1940' FEL										Office Basin Dakota		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Transform										EC,T,R,M,O	R BLOCK AND SURVEY	
At surfac	се <b>В</b> (	(NWNE), 221' FN	L & 1940' FEL			Masor	I com-		٩	OR AREA	2222 8 676 9625	
										\$F. 2.0	AD MOATA AC	
At top pr	od. interval r	eported below	SAME AS A	BOVE					Sec. 26, T32N, R7W			
At total o	tenth SA	AME AS ABOVE							OIL CONS. DIV.			
Aitotait	epin Gr	MIL AO ABOVE	•								DIST. 3	
				14. PE	RMIT NO.	DATE ISSUE	D	, ,	12 C	OUNTY OR	13 STATE .	
									PARISH		N	
15 DATE SP	UDDED 16	DATE T D REACHE	D II7 DATE	COMPL	Ready to prod	<del>d)</del>	18 ELE	VATIONS (DF, RI	I S	an Juan	New Mexico  19. ELEV CASINGHEAD	
06/04/2		09/02/2009			1/04/200		" -"	GL 6562'		65 <b>7</b> 7'	1.5. ELET GAGINGHEAD	
20 TOTAL DE	EPTH, MD &TV		BACK T.D., MD &T		IF MULTIPLE	COMPL,		ERVALS		Y TOOLS	CABLE TOOLS	
		1			HOV	V MANY*	DR	HLLED BY	1		1	
AL PROPUG	8172'	AL (S) OF THIS COMPL	8168'	014 NA145	(MD AND D)	2			<u> </u>	yes 25. WAS DIREC	TOWN	
24 PHODUC	HUNINTERVA	AL (S) OF THIS COMPL	ETION-TOP, BOTT	JW, NAME	(MU AND IV	D)				SURVEY M		
		060' - 8136'									No	
		THER LOGS RUN							27 WAS WELL CORED			
GR/C	CL/CBL										No	
28						D (Report all string:						
CASING SIZ		WEIGHT, LB./FT	DEPTH SET (	MD)	12 1/4"			EMENTING RECO		<i>P</i>	AMOUNT PULLED	
9 5/8"		32.3#	227' 3675'		8 3/4"			(122cf-22bbis 1042cf-185bb	· · · · · · · · · · · · · · · · · · ·			
4 1/2"		11.6#	8169'		6 1/4"			x(638cf-114b			-11 0010	
29		LINER P	ECORD			30	<del></del>			TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEME	NT*				DEPTH SET (			ACKER SET (MD)	
	<u> </u>		<del> </del>			2 3/8", 4.7#,	J-55	8082'				
31 PERFORA	ATION RECOR	D (Interval, size and nu	mher)	32.			D SHO	T, FRACTURE,	CEME	NT COLLECTE	ETC	
Dakota w/ .		o (miorras, ozo aria na	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	34.			1	I, PHACIONE,	CEIVIL	VI SCOLEZE,	E10.	
2SPF @ 80		= 40 Holes		<u> </u>	8060	0' - 8136'	36' Acidize w/ 20bbls 15% HCL. Frac w/ 104,454gals			104,454gals		
									428# of 20/40 TLC Sand.			
Dakota Tota	al Holes =	40/										
33						PRODUCTION						
					g, gas lift, pumpingsize and type of pump)			WELL STATUS (Producing or shut-in)				
DATE OF TEST	N/A	HOURS TESTED	CHOKE SIZE	PROD'N	FOR OIL	BBL	GASI	MCF		RBBL	GAS-OIL RATIO	
				TEST PE								
	/2009 _	1 hr.	1/2"		<b>→</b>	0	2	0 mcf/h		trace		
FLOW TUBING	PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OILBI	3L,	GASMCF		WATERBBI	L		OIL GRAVITY-API (CORR )	
SI - 73	30nei	SI - 459psi	24-1100h HATE	ļ	0	490 mcf	/a /	- 1	bwp	4		
SI - 739psi SI - 459psi  34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				0   490 Mc//d   2			TEST WITNESSED BY					
		To be sold										
	TTACHMENTS											
		Basin Dakota/Bla										
36 Thereby co	enity that the fo	regoing and attached in	itormation is comple	te and cor	ect as determ	ned from all available	records			,		
	1	10-1	, _			Damidate : T				11/12/	4.09	
SIGNED	ma	al 10%	sya TIT	LE		Regulatory Tech	nicair	<u> </u>	DATE	11/10/2	100 1	
		<i>j</i> *(S	eé Instructio	ns and	Spaces	for Additional	Data	on Reverse	Side	) , ,		
Title 18 U.S	.C. Section	1001, makes it a	crime for any p	erson k	nowingly a	and willfully to ma	ke to a	ıny departmer	nt of a	gency of the	CCEPTED FOR RECORD	
United State	ac any falso	fictitious or frau	fulant etatamar	ate or re-	orpeantatio	ne se to any ma	Hor wi	thin its jurisdia	tion	n ~	SOU IN FURRECURU	

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

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API # 30-045-34865			Allison Unit Com 60M		*****
Ojo Alamo	2420'	2516'	White, cr-gr ss.	👺 Ojo Alamo 🤚	2420'
Kirtland	2516'	2897'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	25,16'
Fruitland	2897'	3473'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2897'
Pictured Cliffs	3473'	3600'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3473'
Lewis	3600'	4324'	Shale w/siltstone stringers	Lewis	36 <u>0</u> 0'
Huerfanito Bentonite	4324'		White, waxy chalky bentonite	Huerfanito Bent.	4324'
Chacra	4783'	5203'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4783'
Mesa Verde	5203'	5590'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5203'
Menefee	5590'	5787'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5590'
Point Lookout	5787'	6250'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5787'
Mancos	6250'	7184	Dark gry carb sh.	Mancos	6250'
Gallup	7184'	7891'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	7184'
Greenhorn	7891'	7947'	Highly calc gry sh w/thin lmst.	Greenhorn	7891'
Graneros	7947'	8055'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7947'
Dakota	8055'	1	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	8055'
Morrison		'	Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	1