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

5-1-11	and the second
I Deline had	FORM APPROVED
μ.	OMB No. 1004-0137

ы	-	OMB No. 1004-0137
		Expires: July 31, 2010

											1 1 7	<u> </u>	117	
		WELL C	OMPLETIO	N OR RE	ECOMP	LETIC	ON REPO	ORT AND	LO	G	5. Lease Serial No.	SF-077	0.42.	
			1.1		T		11		_			SF-0//	0,443	SMCel
<ul><li>1a. Type of Well</li><li>b. Type of Completion</li></ul>	n: X	Oil Well New Well	X Gas We	<u></u>	Dry Deepen		Other Plug Ba	ack 1	Diff.	Resvr.,	6. If Indian, Allotte	To Lea	50	istuan.
3.		Other:			_ ,			_			7: Unit or CA Agr	eement Name SAN JUAN 29	and N	مرم ٥٠
2. Name of Operator											8. Lease Name and			
2. Name of Operator		Burli	ngton Resou	rces Oil &	Gas C	ompa	ny					an Juan 29-7	7 Uni	t 56C
3. Address					3a. Pho	ne No. (	include area				9. API Well No.			
	O Box 4289, Farmi						(	505) 326-9	970	0				- BOC.1
4. Location of Well (R	eport location clearly and	in accordance	with Federal req	mirements)*	٠.						10. Field and Pool	or Exploratory Basin Da	•	and the second
At surface			UNIT	P (SE/SE),	1199' FS	L& 112	22' FEL				11. Sec., T., R., M			,
		•		- (,,	,					•		URFACE: SEC		
									٠.			OTTOM: SEC		
At top prod. Interv	al reported below			•	UNIT J	(NW/SI	E), 1685' FS	L & 1913' FI	EL		12. County or Pari	sh		13. State
At total depth			UN	IT J (NW/S	SE), 1685'	FSL &	1913' FEL				Rio A	Arriba		New Mexico
14. Date Spudded		15. Dat	e T.D. Reached	•			mpleted				17. Elevations (DE		)*	*
	10/9/2012		10/30/201	2			D&A	X Ready	to F	Prod. 12/15/2012 GRC		6243' GL / 6	258' K	СВ
18. Total Depth:	MD TVD	7634 7480		lug Back T.	D.:		MD TVD	7630' 7476'		20. Depth Bridge Plug Set:	'	MD TVD		
21 Tuna Floatria & C	ther Mechanical Logs Rur	·					110	7470		22. Was well cored?		X No	7 v.	s (Submit analysis)
21. Type Electric & C	thei Mechanical Logs Kui		•										=	
•		,	GR/CCL/CBL							Was DST run?		X No		s (Submit report)
										Directional Survey?		No .	X Yes	s (Submit copy)
23. Casing and Liner F	Record (Report all strings .	set in well)					1 0. 6			N. 601 A	1 01 11	<del>,</del>		·
Hole Size	Size/Grade	Wt. (#/ft.	) Top (M	D)	Bottom (N	4D)		Cementer epth		No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top	*	Amount Pulled
12 1/4" .	9 5/8" / H-40	32,3#	0		233'			ı/a		77sx-Pre-mix	22bbls	Surface		2bbls
8 3/4"	7" / J-55	23#	0		3961			013'		542sx-Premuim Lite	198bbls	Surface	-	80bbls
6 1/4"	4 1/2" / L-80	11.6#	0		7632'		<u>"</u>	1/a		269sx-Premuim Lite	97bbls	3040'		n/a
				_			1				- RCUE	JON 11	: 37 '	L.
			-	-			+				1111	taws, n	TEI	-
24. Tubing Record							1					NCT 2	* * 1c	
Size	Depth Set (MD)	Pac	ker Depth (MD)	S	ize	De	epth Set (MD	0)		Packer Depth (MD)	Size	Depth Set (M	ID)	Packer Depth (MD)
2 3/8", 4.7#, L-80	7513'		n/a											
25. Producing Interval	s					26. P	erforation Re							
	Formation		Тор		ttom			Perforate		terval	Size	No. Holes		Perf. Status
<u>A)</u>	Dakota		7436'		536'	<u> </u>			PF		.34"	27		open
B) C)	Dakota Total		7548'		598'		· · · · · · · · · · · · · · · · · · ·	25	PF		.34"	30 57		open
D)	10(2)		+			<del> </del>	····					3/		
	eatment, Cement Squeeze,	etc			· · · ·	<u> </u>	· · · · · · · · · · · · · · · · · · ·				J.,			
	Depth Interval		Ψγ						Am	ount and Type of Material				
	7436' - 7598'		Acidize w/ 10	bbls of 15%	HCL. Fr	ac'd w/	40,765gals v	w/ 40,394# of	SL	C 20/40 sand. Pumped 1141	bls of fluid. Total N	2:2,340,000SCI	F.	
										·				
			1					·						
			1											
28. Production - Inter	val A									· · · · · ·	•••			
Date First	Test Date	Hours	Test	Oil	Gas	1	Water	Oil Gravity		Gas	Production M	lethod ·		
Produced		Tested	Production	BBL	MCF	1	BBL	Corr. API		Gravity				
	1	1		1	1			1		1	1			

62/mcf/h

1487/mcf/d

Gas

MCF

Gas

MCF

Gas

MCF

trace/boph

trace/bopd

Oil

Oil

BBL

Oil

BBL

BBL

trace/bwph

34/ bwpd

Water

BBL

Water

BBL

Water

Gas/Oil

Oil Gravity

Согт. АРІ

Gas/Oil

Ratio

Ratio

Well Status

Gas

Gravity

Well Status

\*(See instructions and spaces for additional data on page 2)

Tbg. Press. Flwg.

SI

12/20/2012

Tbg. Press.

Test Date

Flwg.

Ihr.

SI-480psi

Csg.

Press.

Tested

Csg.

Press.

24 Hr.

Rate

Production

Rate

12/15/2012 GRC

1/2"

28a. Production - Interval B

Choke

Date First

Produced

Choke

Size

Size

ACCEPTED FOR RECORD

JAN 0 9 2013

FARMINGTON FIELD OFFICE BY Intilliam Tambelon

FLOWING

SHUT IN

Production Method

8b. Production	on - Interval C								<del></del>	
286. Production Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	1	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio			
	SI		BARNE S					1		
8c. Production	on - Interval D						1	i		
ate First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
roduced	d Tested Production			BBL	MCF	BBL	Corr. API	Gravity	1	
			THE SECOND							
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio			
	. SI	1						[		
9. Disposition	n of Gas <i>(Solid, used</i>	d for fuel, v	ented, etc.)		<del></del>	<u> </u>	<u> </u>	<u> </u>		·
•			,							
0 6	-f.D 7 (I	.1	E \			ТО ВЕ	SOLD	la. E	ion (Log) Markers	
o. Summary o	of Porous Zones (In	cmae Aquii	ers):					31. Format	ion (Log) Markers	•
Show all imp	portant zones of por	osity and c	ontents thereof:	Cored inter	vals and all	drill-stem tes	st,	1		
•	epth interval tested,	cushion use	d, time tool open	, flowing ar	nd shut-in pr	essures and				
recoveries.										
	_		D			. ~				Тор
Formatio	on Top	·	Bottom		Descrip	tions, Conte	nts, etc.		Name	Meas. Depth
Ojo Alar	mo 224	9'	2368'			White, cr-gr ss	;		Ojo Alamo	2249'
Kirltan	1	1	2872'			dded w/tight,		<b>)</b>	Kirltand	2368'
Fruitlan	nd 287	<sub>2'</sub>	3179'	Dk gry-gry	carb ch coal	am silte liaht	-med any tight fine ares		Fruitland	2872'
· Pictured C		- 1	3344'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.  Bn-Gry, fine grn, tight ss.					Pictured Cliffs	3179'
Lewis	,		4192			w/ siltstone st	-		Lewis	3344'
Huerfanito Be	entonite 419	2	4192'			waxy chalky b	_		Huerfanito Bentonite	4192
Chacra	l l	l l	4735'	. Gry f			one w/ drk gry shale		Chacra	4192'
Mesa Ve			5045'			ed-fine gr ss, c			Mesa Verde	4735'
. Menefe	ee 504	2,	5367'		•	y, fine gr ss, c			Menefee	5045'
Point Loo	okout 536	7'	5782'	Med-light gr	y, very line gi	formation	t sh breaks in lower part o	1	Point Lookout	5367'
Manco	os 578	2'	6606'		r	ark gry carb s	h,		Mancos	5782'
C. 11		.	72271	Lt. gry to b			& very fine gry gry ss w/		0.11	(606)
Gallup	1		7336' 7394'			reg. interbed s			Gallup	6606'
Greenho Granero			7394 7435'			alc gry sh w/ t , fossil & carb			Greenhorn Graneros	7336' 7394'
			1133	Lt to dark g	ry foss carb sl	calc sl sitty ss	w/ pyrite incl thin sh band	s		
Dakot		5'		l		ly Y shale brea			Dakota	7435'
Morriso 2 Additional	on I remarks (include p	lugging pro	cedure):	Interb	ed grn, brn &	red waxy sh &	t fine to coard gm ss	<u> </u>	Morrison	
			This is	a Blanco I	Mesaverde	& Basin Da	kota commingle well	under DHC	3705AZ.	
33. Indicate w	which items have bee	en attached	by placing a chec	ok in the app			· · · · · · · · · · · · · · · · · · ·			, , , , , , , , , , , , , , , , , , ,
_	which items have bee cal/Mechanical Logs		•	ck in the app		xes:	ı □ DS	T Report	☐ Directional St	ırvey
X Electrica		(1 full set r	req'd.)	ck in the app	Geo		n □ DS		Directional St	ırvey
X Electrica	cal/Mechanical Logs  Notice for plugging	(1 full set r	req'd.) t verification		Geo	ologic Report	Oth	er:	☐ Directional State of the properties of the pr	ırvey
X Electrical Sundry 3	cal/Mechanical Logs  Notice for plugging	(1 full set r	req'd.) t verification ached informatio		Geo	ologic Report	Oth	er:		irvey
X Electrical Sundry 3	Notice for plugging certify that the foregoe (please print)	(1 full set r	req'd.) t verification ached informatio	n is comple	Geo	ologic Report	Oth	er:	attached instructions)*  Staff Regulatory Tech.	irvey

## UNITED STATES

			DEPART	UNITED S' MENT OF OF LAND	THE II	NTERIOR .	<u> </u>		OMB No. 100 Expires: July:	04-0137
		WELL CO	MPLETION C	OR RECOM	PLETI	ON REPORT AND	LOG	5. Lease Serial No	o. 	342
la. Type of Well b. Type of Completion		Dil Well New Well	X Gas Well Work Over	Dry Deepe	en.	Other Plug Back	Diff, Resvr.,	6. If Indian, Allot	tee or Tribe Name 1-784/7- preement Name	-A (MV)
		ther:						. a . a to m	SAN JUAN 29	-7 ŲŅĪŢ <b>ι</b> ✔
2. Name of Operator		Rurling	gton Resources	Oil & Gas	Compa	inv		8. Lease Name an	id Well No. San Juan 29-7	Unit 56C
3. Address						(include area code)		9. API Well No.		
	O Box 4289, Farmin			. 19		(505) 326-	9700			1116-0062
4. Location of Well (Re	eport location clearly and in	accordance w	ith Federal require	nents)*				10. Field and Poo	l or Exploratory Blanco Mes	averde
At surface			UNIT P (S	SE/SE), 1199' F	SL & 11	22' FEL		11. Sec., T., R.,	M., on Block and S	
						•				2: 15, T29N, R7W
At top prod. Interva	Jennertad halour	٠		UNIT	t (NIXV/C	E), 1685' FSL & 1913' F		12. County or Pa		13. State
At top prod. Interva	птеропеа веюм			UNII	o (MW/o	E), 1005 F3L & 1715 F	EL	12. County of Pa	111511	Is. state
At total depth			UNIT J	(NW/SE), 168	S' FSL &	1913' FEL	, and a	Rio	Arriba	New Mexico
<ol><li>Date Spudded</li></ol>		15. Date	T.D. Reached	16.	Date Co			17. Elevations (I	OF, RKB, RT, GL)	
	0/9/2012		10/30/2012			-	y to Prod. 12/13/2012 GRC	L	6243' GL / 6	258' KB
18. Total Depth:	MD TVD	7634' 7480'	19. Plug	Back T.D.:		MD 7630' TVD 7476'	20. Depth Bridge Plug Set:		MD TVD	
21. Type Electric & O	ther Mechanical Logs Run		of each)				22. Was well cored?		X No	Yes (Submit analysis)
21			VCCL/CBL				Was DST run?		X No	Yes (Submit report)
			•				Directional Survey?		∏ No D	╡ ` ` `
23. Casing and Liner R	ecord (Report all strings se	t in well) .					<del>'</del>			<del></del>
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom	(MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top	* Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0	233		n/a	77sx-Pre-mix	22bbls	Surface	2bbls
8 3/4" 6 1/4"	7" / J-55 4 I/2" / L-80	23#	0 0	396 763		2913'	542sx-Premuim Lite 269sx-Premuim Lite	198bbls 97bbls	Surface 3040'	80bbls n/a
		11,0,1		,,,,,			. 2070. 110.	RCU		
								OH	CONS D	
24. Tubing Record							· · · · · · · · · · · · · · · · · · ·		<b>IST.3</b>	
Size	Depth Set (MD)	Packe	r Depth (MD)	Size	D	epth Set (MD)	Packer Depth (MD)	Size	Depth Set (M	D) Packer Depth (MD)
2 3/8", 4.7#, L-80	7513'		n/a			· · · · · · · ·				
25. Producing Intervals					26. I	Perforation Record	1	T		
A) Poi	Formation nt Lookout/Lower Menefo		Top 5226'	Bottom 5554'	+		ed Interval SPF	Size	No. Holes	Perf. Status open
	Jpper Menefee/Cliffhouse		4744'	5122'	+		SPF	.34"	25	. open
C)	Lewis		4194'	4630'		····	SPF	.34"	25	open
D)	TOTAL		1					<u> </u>	77	
21. Acid, Fracture, Tre	Depth Interval	ic.	<u> </u>				Amount and Type of Material			
	5226' - 5554'		Acidize w/ 10bbls	of 15% HCL.	Frac'd w	/ 127,228 gals 70Q N2 SI	ick Foam w/ 100,239# 20/40 Bro	wn sand. Total N2	2:1,332,200SCF.	
							ick Foam w/ 126,882# 20/40 Bro			otal N2:1,295,500SCF.
	4744' - 5122'									
	4194' - 4630'		Frac'd w/ 120,23	8 gals 75Q N2 '	Visco Ela	stic Foam w/ 69,086# 20/	40 Brown sand. Pumped 62 foa	med flush. Total N	2:1,636,100SCF.	

Oil Gravity

Corr. API

Gas/Oil

Ratio

n/a

Gravity

Well Status

Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas
Produced	1	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio	
	SI					1		

TO SERVICE OF

Oil

Oil

BBL

BBL

trace/boph

trace/bopd

Production

24 Hr.

Rate THE PARTY OF

ENTERED SO

Gas

MCF

MCF

4/mcf/h

95/mcf/d

Water

BBL

Water

BBL

trace/bwph

2/ bwpd

\*(See instructions and spaces for additional data on page 2)

Test Date

Tbg. Press.

Flwg

12/20/2012

SI-480psi

Hours

Tested

Csg.

Press.

1hr.

SI-480psi

28. Production - Interval A

12/13/2012 GRC

1/2"

28a. Production - Interval B
Date First Test I

Date First

Produced

Choke

Size

ACCEPTED FOR RECORD

Production Method

SHUT IN

Production Method

FLOWING

JAN 0 9 2013

FARMINGTON FIELD OFFICE BY William Tambekon





oduced	Test Date	Hours	Test	Oil.	Gas	Water	Oil Gravity	Gas	Production Method	
		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
oke ze	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
c. Production	ı - Interval D		1			1	1	l	<del>*************************************</del>	
ite First oduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
oke e	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
Dienocition	of Gas (Solid, us	ad for fuel		·		<u> </u>	<u> </u>			
Dishosinon	or Gas (Somu, us	Lu joi juei, 1	гонец, ст.)							
			<u> </u>			TO BE	SOLD	Y		
. Summary of	f Porous Zones (I	nclude Aqui	fers):					31. Formatio	n (Log) Markers	
•	ortant zones of po oth interval tested,	-								
Formation	n To	op	Bottom		Descriptio	ons, Conten	its, etc.		Name	Top Meas. Depth
Ojo Alam	10 22	49'	2368'		WI	hite, cr-gr ss			Ojo Alamo	2249'
Kirltand	1 23	68'	2872'	G	iry sh interbedd	led w/tight, g	ry, fine-gr ss.		Kirltand	2368'
	1		3179'	Dk gry-gry o	arb sh, coal, gr	n silts, light-	med gry, tight, fine gr ss.		Fruitland	2872'
Fruitland	d 28	72' -		Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.  Bn-Gry, fine grn, tight ss.				m1		
Fruitland Pictured Cl		72' - 79'	3344'		Dil-Oly,	, 5,,5		[	Pictured Cliffs	3179'
Pictured Cl Lewis	liffs 31	79' 44'	3344' 4192'			siltstone sti			Pictured Cliffs Lewis	3179' 3344'
Pictured Cl Lewis	liffs 31	79'	3344'		Shale w		ngers			
Pictured Cl Lewis	hiffs 31 33 ntonite 41	79' 44' 92'	3344' 4192'	Gry fn	Shale wa	/ siltstone stir	ngers ntonite		Lewis	3344' 4192'
Pictured Cl Lewis Juerfanito Ber	hiffs 31 33 antonite 41	79' 44'	3344' 4192' 4192'	l	Shale wa	/ siltstone stir axy chalky be conitic sd stor	ngers ntonite ne w/ drk gry shale		Lewis Huerfanito Bentonite	3344'
Pictured Cl Lewis Iuerfanito Ber Chacra	1 1 31 33 41 41 41 47 de 47	79' 44' 92'	3344' 4192' 4192' 4735'		Shale wa White, wa grn silty, glauc	/ siltstone stir axy chalky be conitic sd stor -fine gr ss, ca	ngers ntonite ne w/ drk gry shale rb sh & coal		Lewis Juerfanito Bentonite Chacra	3344' 4192' 4192'
Pictured Cl- Lewis Juerfanito Ber Chacra Mesa Ver Menefee	1 33 33 41 41 41 47 47 47 47 47 50	79' 44' 92' 92' 35' 45'	3344' 4192' 4192' 4735' 5045' 5367'		Shale way White, way grn silty, glauc Light gry, med- Med-dark gry, y very fine gr ss	I siltstone stir axy chalky be contice sd stor- fine gr ss, ca fine gr ss, ca s w/ frequent	ngers ntonite ne w/ drk gry shale rb sh & coal		Lewis Huerfanito Bentonite Chacra Mesa Verde Menefee	3344' 4192' 4192' 4735' 5045'
Pictured Cl Lewis Juerfanito Ber Chacra Mesa Ver Menefee	1 33 33 41 41 41 47 47 47 47 47 47 48 50 40 50 40 50 40 50 40 50 40 50 40 50 50 50 50 50 50 50 50 50 50 50 50 50	79' 44' 92' 92' 35' 45'	3344' 4192' 4192' 4735' 5045' 5367' 5782'		Shale way White, way grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss	I siltstone stin axy chalky be contice sd stor fine gr ss, ca fine gr ss, ca s w/ frequent formation	ngers  ntonite  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of		Lewis Fluerfanito Bentonite Chacra Mesa Verde Menefee Point Lookout	3344' 4192' 4192' 4735' 5045'
Pictured Cl- Lewis Juerfanito Ber Chacra Mesa Ver Menefee	1 33 33 41 41 41 47 47 47 47 47 47 48 50 40 50 40 50 40 50 40 50 40 50 40 50 50 50 50 50 50 50 50 50 50 50 50 50	79' 44' 92' 92' 35' 45'	3344' 4192' 4192' 4735' 5045' 5367'	Med-light gry	Shale wa White, wa grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss	I siltstone stin axy chalky be conitic sd ston- fine gr ss, ca fine gr ss, ca s w/ frequent formation tk gry carb sh	ngers  ntonite  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of	·	Lewis Huerfanito Bentonite Chacra Mesa Verde Menefee	3344' 4192' 4192' 4735' 5045'
Pictured Cl. Lewis Juerfanito Ber Chacra Mesa Ven Menefee Point Look Mancos Gallup	1 33 33 41 41 41 47 47 47 47 47 47 47 47 47 47 47 47 47	79' 44' 92' 35' 45' 67' 82'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606'	Med-light gry	Shale wa White, wa grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss Dar n calc carb mica irre	/ siltstone still axy chalky be contice sd ston-fine gr ss, ca fine gr ss, ca s w/ frequent formation the gry carb shace gluace silts g, interbed sh	ngers  ntonite  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  .  & very fine gry gry ss w/	·	Lewis Huerfanito Bentonite  Chacra  Mesa Verde  Menefee  Point Lookout  Mancos  Gallup	3344' 4192' 4192' 4735' 5045' 5367' 5782'
Pictured Cl. Lewis Juerfanito Ber Chacra Mesa Ver Menefee Point Look Mancos Gallup Greenhor	1 33 33 41 41 41 47 47 47 47 47 47 47 47 47 47 47 47 47	79' 44' 92' 35' 45' 67' 82' 06' 36'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394'	Med-light gry Lt. gry to bn	Shale wa White, wa grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss  Dar n calc carb mica irre Highly calc	/ siltstone stituty chalky be conitic ad store-fine gr ss, ca fine gr ss, ca s w/ frequent formation k gry carb shac gluac silts g, interbed sh c gry sh w/ th	ngers  ntonite  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  .  & very fine gry gry ss w/  .  in Imst.	·	Lewis  Fluerfanito Bentonite  Chacra  Mesa Verde  Menefee  Point Lookout  Mancos  Gallup  Greenhorn	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336'
Pictured Cl. Lewis Juerfanito Ber Chacra Mesa Ven Menefee Point Look Mancos Gallup	fiffs 31 33 41 41 41 41 47 47 47 47 47 47 47 47 47 47 47 47 47	79' 44' 92' 92' 35' 45' 67' 82' 06' 36' 94'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606'	Med-light gry	Shale w, White, wa grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss  Dar n calc carb mice irre Highly calc Dk gry shale, fc	silistone stir except shall be a story contice of story contice of story contice of story contice of story continues of story c	ngers  ntonite  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  .  & very fine gry gry ss w/  .  in Imst.		Lewis Huerfanito Bentonite  Chacra  Mesa Verde  Menefee  Point Lookout  Mancos  Gallup	3344' 4192' 4192' 4735' 5045' 5367' 5782'
Pictured Cl Lewis Juerfanito Ber Chacra Mesa Ven Menefee Point Look Mancos Gallup Greenhor Graneros	fiffs 31 33 antonite 41 41 41 47 47 47 47 47 47 47 47 47 47 47 47 47	79' 44' 92' 35' 45' 67' 82' 06' 36'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394'	Med-light gry  Lt. gry to bn  Lt to dark gry	Shale w, White, wa grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss  Dar n calc carb mica irre; Highly calc Dk gry shale, fo r foss carb sl ca cly y	/ siltstone stituty chalky be contice at store of the gr ss, ca se w/ frequent formation kg gry carb sh ace gluac silts g, interbed st c gry sh w/ th sossil & carb w/ te still sitty ss w Y shale break	ngers  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  & very fine gry gry ss w/  in Inst.  w/ pyrite incl.  w/ pyrite incl thin sh bands		Lewis Huerfanito Bentonite  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros  Dakota	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336'
Pictured Cl Lewis Juerfanito Ber Chacra Mesa Ver Menefee Point Look Mancos Gallup Greenhor Graneros Dakota Morrison	fiffs 31 33 antonite 41 41 47 e 50 cout 53 s 57 66 rm 73 rs 74 n	79' 44' 92' 92' 35' 45' 67' 82' 06' 36' 94'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394' 7435'	Med-light gry  Lt. gry to bn  Lt to dark gry	Shale w, White, wa grn silty, glauc Light gry, med- Med-dark gry, , very fine gr ss  Dar n calc carb mica irre; Highly calc Dk gry shale, fo r foss carb sl ca cly y	/ siltstone stituty chalky be contice at store of the gr ss, ca se w/ frequent formation kg gry carb sh ace gluac silts g, interbed st c gry sh w/ th sossil & carb w/ te still sitty ss w Y shale break	ngers  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  & very fine gry gry ss w/  in Imst.  v/ pyrite incl.  v/ pyrite incl thin sh band:		Lewis Huerfanito Bentonite  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394'
Pictured Cl Lewis Juerfanito Ber Chacra Mesa Ven Menefee Point Look Mancos Gallup Greenhor Graneros Dakota Morrison	fiffs 31 33 antonite 41 41 41 47 47 47 47 47 47 47 47 47 47 47 47 47	79' 44' 92' 92' 35' 45' 67' 82' 06' 36' 94'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394' 7435'	Med-light gry  Lt. gry to bn  Lt to dark gry	Shale we White, wa grn silty, glauc Light gry, med-Light gry, med-n calc carb mica irreg Highly calc Dk gry shale, for foss carb sl ca cly d grn, brn & re-	I siltstone stituxy chalky be contice at store or store great season with the great seas	ngers  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  & very fine gry gry ss w/  in Inst.  w/ pyrite incl.  w/ pyrite incl thin sh bands	f s	Lewis  Fluerfanito Bentonite  Chacra  Mesa Verde  Menefee  Point Lookout  Mancos  Gallup  Greenhorn  Graneros  Dakota  Morrison	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394'
Pictured Cl Lewis Huerfanito Ber Chacra Mesa Ven Menefee Point Look Mancos Gallup Greenhor Graneros Dakota Morrison	fiffs 31 33 antonite 41 41 47 e 50 cout 53 s 57 66 rm 73 rs 74 n	79' 44' 92' 92' 35' 45' 67' 82' 06' 36' 94'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394' 7435'	Med-light gry  Lt. gry to bn  Lt to dark gry	Shale we White, wa grn silty, glauc Light gry, med-Light gry, med-n calc carb mica irreg Highly calc Dk gry shale, for foss carb sl ca cly d grn, brn & re-	I siltstone stituxy chalky be contice at store or store great season with the great seas	ngers  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  & very fine gry gry ss w/  in Imst.  w/ pyrite incl.  w/ pyrite incl thin sh bands  sfine to coard grn ss	f s	Lewis  Fluerfanito Bentonite  Chacra  Mesa Verde  Menefee  Point Lookout  Mancos  Gallup  Greenhorn  Graneros  Dakota  Morrison	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394'
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Pictured Cl Lewis Huerfanito Ber Chacra Mesa Ven Menefee Point Look Mancos Gallup Greenhor Graneros Dakota Morrison	fiffs 31 33 antonite 41 41 47 e 50 cout 53 s 57 66 rm 73 rs 74 n	79' 44' 92' 92' 35' 45' 67' 82' 06' 36' 94' 35'	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394' 7435'	Med-light gry  Lt. gry to bn  Lt to dark gry	Shale we White, wa grn silty, glauc Light gry, med-Light gry, med-n calc carb mica irreg Highly calc Dk gry shale, for foss carb sl ca cly d grn, brn & re-	I siltstone stituxy chalky be contice at store or store great season with the great seas	ngers  ne w/ drk gry shale  rb sh & coal  rb sh & coal  sh breaks in lower part of  & very fine gry gry ss w/  in Imst.  w/ pyrite incl.  w/ pyrite incl thin sh bands  sfine to coard grn ss	f s	Lewis  Fluerfanito Bentonite  Chacra  Mesa Verde  Menefee  Point Lookout  Mancos  Gallup  Greenhorn  Graneros  Dakota  Morrison	3344' 4192' 4192' 4735' 5045' 5367' 5782' 6606' 7336' 7394'
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dicate which items have been attached by placing	a check in the appropriate boxes:		M	
Electrical/Mechanical Logs (1 full set req'd.)	Geologic Repo	ort DST Report	Directional Survey	
Sundry Notice for plugging and cement verification	on Core Analysis	Other:		
hereby certify that the foregoing and attached info	rmation is complete and correct as deter	nined from all available records (s	ee attached instructions)*	
Name (please print)	Arleen White	Title	Staff Regulatory Tech.	
Signature Wilen	White	Date 1813	•	