

JUL 12 2012

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

RCVD JUL 18'12 OIL CONS. DIV. DIST. 3

FORM APPROVED OMB No 1004-0137 Expires July 31, 2010

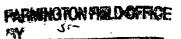
<del></del>	nd Manage	ice Wer	_ COMPLE	TION OR F	RECOMPL	ETION RE	PORT AND	LOG	5 Lease Serial No	SF-0795	27
la Type of We		Oil Well	X Gas W	ell	Dry	Other			6 If Indian, Allot		
b Type of Cor	mpletion	New Well	Work	Over	Deepen	Plug B	Back Di	ff Resvr,			
		Other							7 Unit or CA Ag	reement Name ar SAN JUAN 27-4	
2 Name of Operator										d Well No	ONII
Burlington Resources Oil & Gas Company										N JUAN 27-4 L	JNIT 135M
3 Address	O.D. 4200	D	NIN 1 07 400		3a Phone No	(include area	,	10	9 API Well No	20.020.21	20
	O Box 4289, I Well (Report local				reaurements)		505) 326-970	10	10 Field and Poo	30-039-310	139
	······································				•4				lio Field and Foo	BLANCO N	IV
At surface			U	NIT G (SW/NI	E), 1942' FNL	& 1590' FEL			11 Sec, T, R, N		
									Survey or A	rea SEC: 36, T27	N. ROJW
At top prod	Interval reported	below		ŧ	NIT J (NW/S	SE), 2154' FSL	L & 1710' FEL		12 County or Pa		13 State
At total dept 14 Date Spudd		15 Da	e T D Reached		/SE), 2154' F	SL & 1710' Fi	EL			Arriba )F, RKB, RT, GL)*	New Mexico
•	/26/2011	1.5 .50	10/4/20			D&A	X Ready to	Prod 6/14/2012 GRC	Lievations (E	7274'	
18 Total Depth	n MD	866	6' 19	Plug Back T D	).	MD	8663'	20 Depth Bridge Plug S	et	MD	
	TVD	845				TVD	8453'	<u> </u>		TVD	
21 Type Elect	ric & Other Mech	anıcal Logs Rı	` '.	,				22 Was well cored?		X No	Yes (Submit analysis)
			GR/CCL	/CBL				Was DST run?		X No	Yes (Submit report)
23 Casing and	Liner Record (Re	nort all string	set in wall)	·				Directional Survey	7	No X	Yes (Submit copy)
Hole Size	Size/Grade	Wt (#/st		4D) 7	ottom (MD)	Stage (	Cementer	No of Sks &	Slurry Vol	C	A
				(ID) E	ottom (MD)		epth	Type of Cement	(BBL)	Cement top*	Amount Pulled
12 1/4" 8 3/4"	9 5/8" / H-40 7" / J-55	32.3#	0		4494'		n/a n/a	76sx-Pre-mix 596sx-Premuim Lite	22bbls 220bbls	Surface_	6bbls
6 1/4"	4 1/2" / L-80	11.6#	0		8665'		n/a	297sx-Premuim Lite	106bbls	TOC @ 2996'	52bbls n/a
				<u></u>							-
24 Tubing Rec	cord	.L				<del></del>					
Size	Depth Set (M	1D) Pac	ker Depth (MD)	St2	:e	Depth Set (MI	D)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (M
2 3/8" 25 Producing In	8588'		n/a		26	Perforation R	ecord				
25 Troddenig I	Formation		Тор	Bott		T CHOCALION IC	Perforated Ir	nterval	Size	No Holes	Perf Status
A)	Point Lookout /		6180'	679			1SPF		.34"	22	open
B) C)	Cliffhouse / U	MF	5870'	613	6'		1SPF		.34"	26	open
D)											
27 Acid, Fract	ure, Treatment, Co	ement Squeeze	, etc								
	Depth Interval		Acidize w/ 1	Obbls of 15%	HCL Frac'd	w/ 115 220aa		nount and Type of Material ity Slick foam w/ 101,959#	of 20/40 Brady sar	vi Pumpad 95hble	fluid Total
	6180' - 6792'		N2:1,592,20	0SCF							
	5870' - 6136'		Acidize w/ 1 N2:1,516,30		HCL. Frac'd	w/ 110,320gal	ls of 70% Quali	ity Slick foam w/ 96,755# o	f 20/40 Brady sand	l. Pumped 87bbls fl	luid. Total
	2010 0100		112:1,310,30	USCF							
								~			
28 Production Date First	- Interval A Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production	Mothod	
Produced	Test Bate	Tested	Production	BBL	MCF	BBL	Corr API	Gravity	rioduction	wiemod	
Troduced											
		1hr.	24 Hr	trace/boph Oil	54 /mcf/h Gas	3 /bwph Water	n/a Gas/Oil	n/a Well Status		FLOW	ING
6/14/2012	6/19/2012			BBL	MCF	BBL	Ratio	Well Status			
	6/19/2012 Tbg Press Flwg	1 ~ 1	Rate	1		1					
6/14/2012 Choke Size	Tbg Press Flwg	Press	Kale				. ,		9	HUT IN	
6/14/2012 Choke Size	Tbg Press Flwg SI-800psi	1 ' 1		trace/bopd	1,305/mcf/d	81 / bwpd	n/a			1101 1.1	
6/14/2012 Choke Size	Tbg Press Flwg SI-800psi	Press SI-700psi		trace/bopd	1,305/mcf/d	Water	Oil Gravity	Gas	Production		
6/14/2012 Choke Size 1/2" 28a Production	Tbg Press Flwg SI-800psi n - Interval B	Press SI-700psi						Gas Gravity			
6/14/2012 Choke Size 1/2" 28a Production Date First	Tbg Press Flwg SI-800psi n - Interval B	Press SI-700psi Hours	Test	Oil	Gas	Water	Oil Gravity	l l			
6/14/2012 Choke Size 1/2" 28a Production Date First	Tbg Press Flwg SI-800psi n - Interval B	Press SI-700psi Hours Tested	Test Production	Oil	Gas	Water	Oil Gravity	l l			
6/14/2012 Choke Size 1/2" 28a Production Date First Produced	Tbg Press Flwg SI-800psi - Interval B Test Date Tbg Press Flwg	Press SI-700psi Hours Tested Csg	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gravity			
6/14/2012 Choke Size  1/2" 28a Production Date First Produced	Tbg Press Flwg SI-800psi - Interval B Test Date	Press SI-700psi Hours Tested Csg	Test Production	Oıl BBL	Gas MCF Gas	Water BBL Water	Oil Gravity Corr API Gas/Oil	Gravity			

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JUL 16 2012



28b Production	n - Interval C	_	· · · · · · · · · · · · · · · · · · ·			<del> </del>			· · · · · · · · · · · · · · · · · · ·		
			Hours Test		Gas	Water	Oil Gravity	Gas	Production Method		
Produced r		Tested	Production	Oil BBL	MCF	BBL	Con API	Gravity			
			03 (3.88kg - 1)								
						117	0.701		<u> </u>		
Choke Size	Tbg Press	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratıo	Well Status			
Size	Flwg SI	FIESS		DDL	MCF	DDL	Kano				
	j.,										
28c Production	n - Interval D						,		·		
Date First	1 1 1		Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method		
Produced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity			
	1			-							
Choke	Tbg Press	Csg	24 Hı	Oil	Gas	Water	Gas/Oil	Well Status			
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio				
	SI										
20 D		I four first	1 1 1 1 1				<u></u>	<u> </u>			
29 Disposition	n of Gas <i>(Solid, u</i>	sea jor juei,	veniea, eic j								
						то ві	E SOLD				
30. Summary o	of Porous Zones (	Include Aqu	ıfeıs)					31 Formation	on (Log) Markers	·	
	·										
•	portant zones of p	-					•				
	pth interval tested	t, cushion us	ed, time tool oper	n, flowing ai	nd shut-ın pı	essures and					
recoveries								Ì			
				T						Тор	
Formatio	Formation Top  Ojo Alamo 3730'		Bottom		Descrip	tions, Conto	ents, etc		Name	Meas Depth	
										Meas Deptil	
•			3944'			White, cr-gr s	ss		Ojo Alamo 3730'		
-Kırltano	d3	944	4072'	BOAR TOWNSHIP TOWNS	Grysh interbe	dded.w/tight,	gry, fine-gr-ss	Kultand 3944			
Frutlan	Fruitland 4072' 4268' Dk gry-gry carb sh, coa			carb sh, coal,	grn silts, light	t-med gry, tight, fine gr ss		Fruitland	4072'		
Pictured C	Pictured Cliffs 4268'		4423'		Bn-G	ry, fine grn, ti	ght ss		Pictured Cliffs	4268'	
Lewis	Lewis 4423'		n/a		Shale	w/ siltstone s	tingers		Lewis 4423'		
Huerfanito Be	entonite	n/a	5240'		White,	waxy chalky b	pentonite		Huerfanito Bentonite n/a		
Chacra	l l	240'	5864'	Gry	în grn sılty, gla	suconitic sd st	one w/ drk gry shale	1	Chacra	5240'	
Mesa Ver	ide 5	864'	6112'		Light gry, med-fine gr ss, carb sh & coal				Mesa Verde	5864'	
Menefe	ee 6	112'	6420'		Med-dark gr	ry, fine gr ss, o	carb sh & coal		Menefee	6112'	
•				Med-light g	ry, very fine gi		nt sh breaks in lower part o	of			
Point Look	I	420'	6942'			formation			Point Lookout	6420'	
Manco	s 6	942'	7566'	l		Dark gry carb			Mancos 6		
Gallup	,   7	566'	8388'	Lt gry to b		ncac gluac silt reg interbed :	s & very fine gry gry ss w sh	<b>'</b>	Gallup	7566'	
Greenho	<b>I</b>	388'	8453'			alc gry sh w/			Greenhorn	8388'	
Granero		453'	8486'				w/ pyrite incl		Graneros	8453'	
	,			Lt to dark g	ry foss carb sl	cale sl sitty ss	w/ pyrite incl thin sh band	ds			
Dakota	<b>I</b>	486'	8666'			ly Y shale brea			Dakota	8486'	
Moniso 32 Additional	n remarks (include	n pluggma pr	onadura)	Interl	ed grn, brn &	red waxy sh &	& fine to coard grn ss		Мопіson		
32 Additional	remarks (include	pugging pr	•	s a Rianco i	Mesaverde	& Rasin Da	nkota commingle well	under DHC3	.600 A Z		
			111131	s a Dianco	vicsaverue	& Dasin Da	ikota commingie wen	under Dites	OUOAZ.		
									٠		
33 Indicate w	hich items have b	peen attached	l by placing a che	ck in the ap	propriate bo	xes					
	104 1 : 14	(1.6.11			Па						
X Electrica	al/Mechanical Lo	gs (1 Tull set	reda)		∐ Geo	logic Repor	τ ∐ DS	ST Report	Directional Su	rvey	
Sundry N	Notice for pluggii	ng and cemei	nt venification		☐ Con	e Analysis		her			
	rot pruggii				LJ 50%				· · · · · · · · · · · · · · · · · · ·		
34 I hereby co	ertify that the for	egoing and a	ttached information	on is comple	te and cone	ct as determ	nined from all available	records (see a	ittached instructions)*		
								,			
Name	Name (please print) Marie E Jaianullo Title Staff Regulatory Tech										

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Continued on page 3)

(Form 3160-4, page 2)

Date

Signature

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

FORM APPROVED OMB No 1004-0137 Expires July 31, 2010

WELL	COMPL	ETION	OR	RECOMPL	ETION	REPORT	AND LOG
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		VVEL	L COMPLE	TION OR I	KECOIVIPL	ETION REF	ORT A	ND LO	G	5 Lease Serial No	SF-07952	7	
1a Type of Wel	1	Oil Well	X Gas W	/ell	Dry	Other				6 If Indian, Allott			
b Type of Con	==	New Well	Work		Deepen	Plug Ba	ck	Diff Re		o n maian, mon	ce of Tiroc Ivallic		
			_			_	·	•		7 Unit or CA Ag	reement Name an		
Other										SAN JUAN 27-4 UNIT			
2 Name of Operator  Purlington Passaurees Oil 8 Gas Company											d Well No <b>I JUAN 27-4 U</b>	INUT 1258	
Burlington Resources Oil & Gas Company  3 Address 3a Phone No (include area code)											1 JUAN 27-4 U	INIT I JOINI	
P	O Box 4289, 1					(5	05) 326-9	700		9 API Well No	30-039-310	39	
4 Location of V	Vell (Report locar	ion clearly an	id in accordance	e with Federal	equu ements)	*				10 Field and Pool			
At surface			I	INIT G (SW/N	E), 1942' FN	L & 1590' FEL				11 Sec, T, R, M	BASIN DK	<u> </u>	
711 5511466					_,,					Survey or Ar			
											SEC: 36, T27		
At top prod	Interval reported	below		,	UNIT J (NW/	SE), 2154' FSL	& 1710' FI	£L.		12 County or Par	rish	13 State	
At total dept	h			UNIT J (NV	V/SE), 2154' I	SL & 1710' FE	L			Rio	Arriba	New Mexico	
14 Date Spudd		15 Da	ite T D Reache		16 Date	Completed	r1			17. Elevations (D	F, RKB, RT, GL)*		
	/26/2011		10/4/20			D&A		dy to Pro			7274'	<u> </u>	
18 Total Depth	MD TVD	866 845		Plug Back T E	)	MD TVD	8663' 8453'	20	Depth Bridge Plug Se	t	MD TVD		
21 Type Electr	nc & Other Mech			y of each)			· · · · · ·	22	Was well cored?			Yes (Submit analysis)	
			GR/CC	L/CBL					Was DST run?			Yes (Submit report)	
									Directional Survey	•	= =	Yes (Submit copy)	
23 Casing and	Liner Record (Re	port all string	s set m well)				····						
Hole Size	Size/Grade	Wt (#/fi	Top (	MD) E	Bottom (MD)	-	Cementer		No of Sks & Type of Cement	Slurry Vol	Cement top*	Amount Pulled	
12 1/4"	9 5/8" / H-40	32.3#	0		231'		epth /a		76sx-Pre-mix	(BBL)	Surface	6bbls	
8 3/4"	7'' / <b>J-</b> 55	23#	0		4494'		/a	5	96sx-Premuim Lite	220bbls	Surface	52bbls	
6 1/4"	4 1/2" / L-80	11.6#	0		8665'	n	/a	2	97sx-Premuim Lite	106bbls	TOC @ 2996'	n/a	
			-					<del> </del>			· · · · · · · · · · · · · · · · · · ·	<u> </u>	
24 Tubing Rec	~ <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	(D)   D	T 5 1015	1		D 10.00				1 -		T-5	
Size 2 3/8"	Depth Set (N 8588'	ID) Pac	n/a	) S <sub>1</sub> :	ze	Depth Set (MD	<del>"   -</del>	Pac	ker Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
25 Producing In					26	Perforation Re	cord						
43	Formation		Top	Bott			Perforate		1	Size	No Holes	Perf Status	
A) B)	Dakota Dakota		8606' 8486'	869				PF PF		.34"	24	open open	
C)													
D)							-						
27 Acid, Fracti	Depth Interval	ement Squeez	e, etc					Amount	and Type of Material				
			Acidize w/	10bbls of 15%	HCL. Frac'd	w/ 117,320gals			ck foam w/ 40,466# of 2	10/40 Brady sand.	Pumped 127bbls fl	uid. Total	
	8486' - 8652'		N2:2,589,60	00SCF									
								-		<del> </del>			
			<del></del>										
28 Production		T				~ <sub>1</sub>							
Date First Produced	Test Date	Hours Tested	Test Production	Oıl BBL	Gas MCF	Water BBL	Oil Gravit	у	Gas Gravity	Production !	Method		
rioduced	Ì	rested	Toduction	BBE	MCI	BBL	Con An		Giavity				
6/19/2012	6/22/2012	1hr.		trace/boph			1	a	п/а		FLOW	ING	
Choke	Tbg Press	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil		Well Status				
Size	Flwg	11699	Maic	DDL	1.7101	1	Ratio						
1/2"	S1-800psi	SI-700psi		n/a /bopd	548/mcf/d	8 / bwpd	n/	a		SI	HUT IN		
28a Production	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravit		Gas	Production 1	Mathad		
Produced	Los Date	Tested	Production	BBL	MCF	BBL	Corr API	J	Gravity	1 roduction t	ricalou .		
		1							'				
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil		Well Status				
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio		Well Status				
	SI								1				

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

ADDRETTED FOR RECORD

JUL 16 2012





Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method		
1 - 1		Csg Press	24 Hi Rate	Oil BBL			Well Status	Well Status			
			2 · ·								
28c Production			lm	10.1	Ic	Two.	1010	Та	In 1		
Date First Produced			Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method		
Choke	Tbg Piess	Csg	24 Hı	Oıl	Gas	Water	Gas/Oil	Well Status	<u> </u>		
Sıze	Flwg SI	Press	Rate	BBL	MCF	BBL	Ratio				
29 Disposition	n of Gas <i>(Soli</i>	d, used for fuel,	vented, etc)								
						то ві	SOLD				
30 Summary o	of Porous Zor	nes (Include Aqu	ifers)					31 Formation	on (Log) Markers		
recoveries	<del></del>			<del></del>					10720116	Тор	
Formatio	on	Тор	Bottom	Descriptions, Contents, etc				Name	Т		
										Meas Dep	
Ojo Alai		3730'	3944'	1		White, cr-gr s		-	Ojo Alamo	3730'	
	mo		3944' 40,72'			White, cr-gr s					
Ojo Alar	no d	3730'			Gry,sh interbe	White, cr-gr so			Ojo Alamo	3730'	
Ojo Alar Kultan	nd	3730' 3944'	40,72'		Gry,sh interbe	White, cr-gr so	gry, fine-gr, ss		Ojo Alamo Kırltand	3730'	
Ojo Alai Kultan Fruitlan Pictured C Lewis	dand Cliffs	3730' 3944' 4072' 4268' 4423'	4268' 4423' n/a		Gry₌sh interbe carb sh, coal, Bn-G	White, cr-gr so	gry, fine-gr, ss med gry, tight, fine gr ss		Ojo Alamo Kurltand Fruutland Pictured Chiffs Lewis	3730' 3944' 4072' 4268' 4423'	
Ojo Alar Kultan Fruitlan Pictured C	dand Cliffs	3730' 3944' 4072' 4268'	40,72' 4268' 4423'		Gry,sh interbe carb sh, coal, Bn-G Shale	White, cr-gr so dded_w/tight,. grn silts, light ry, fine grn, tig	gry, fine-gr, ss med gry, tight, fine gr ss tht ss		Ojo Alamo Kurltand Fruutland Pictured Chiffs	3730' 3944' 4072' 4268'	
Ojo Alai Kultan Fruitlan Pictured C Lewis	nno d	3730' 3944' 4072' 4268' 4423'	4268' 4423' n/a	Dk gry-gry	Gry, sh interbe carb sh, coal, Bn-G Shale White,	White, cr-gr st dded,w/ught,. grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b	gry, fine-gr, ss med gry, tight, fine gr ss tht ss		Ojo Alamo Kurltand Fruutland Pictured Chiffs Lewis	3730' 3944' 4072' 4268' 4423'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be	nno d	3730' 3944' 4072' 4268' 4423' n/a	4072'4072' 4268' 4423' n/a 5240'	Dk gry-gry	Gry <sub>s</sub> sh interbe carb sh, coal, Bn-G Shale White,	White, cr-gr st dded,w/ught,. grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b	egry, fine-gr, ss  med gry, tight, fine gr ss tht ss ungers entonite one w/ drk gry shale		Ojo Alamo Kurltand Fruutland Pictured Cliffs Lewis Huerfanito Bentonite	3730' 3944' 4072' 4268' 4423' n/a	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be	and Cliffs sentomite	3730' 3944' 4072' 4268' 4423' n/a 5240'	4072' 4268' 4423' n/a 5240' 5864'	Dk gry-gry	Gry_sh interbe carb sh, coal, Bn-G Shale White, n grn silty, gla Light gry, me	White, cr-gr st.  dded_w/ught,- grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b	ery, fine-gr, ss  med gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal		Ojo Alamo Kurltand Fruutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia	3730' 3944' 4072' 4268' 4423' n/a 5240'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Bo Chacia Mesa Ve Menefe	and Cliffs sentomite	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112'	4072' 4268' 4423' n/a 5240' 5864' 6112' 6420'	Dk gry-gry Gry f	Gry <sub>s</sub> sh interbe carb sh, coal, Bn-G Shale White, a grn silty, gla Light gry, ma Med-dark gr	White, cr-gr si dded_w/tight,. grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b auconitic sd ste dd-fine gr ss, c y, fine gr ss, c ss w/ frequen	ery, fine-gr, ss  med gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal		Ojo Alamo Kurltand Fruutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Bo Chacia Mesa Ve Menefe	and Cliffs sentomite	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420'	4072' 4268' 4423' n/a 5240' 5864' 6112' 6420'	Dk gry-gry Gry f	Gry, sh interbo carb sh, coal, Bn-G Shale White, in grn silty, gla Light gry, me Med-dark gr y, very fine gr	White, cr-gr st  dded_w/tight,.  grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b  auconitie sd ste ad-fine gr ss, c y, fine gr ss, c ss w/ frequen formation	ery, fine-gr.ss  med gry, tight, fine gr ss ght ss ungers entonite  one w/ drk gry shale arb sh & coal arb sh & coal t sh breaks in lower part		Ojo Alamo Kurltand Fruutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee Point Lookout	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Bo Chacia Mesa Ve Menefe	and Cliffs sentomite	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112'	4072' 4268' 4423' n/a 5240' 5864' 6112' 6420'	Dk gry-gry Gry f Med-light gr	Gry, sh interbo carb sh, coal, Bn-G Shale White, n grn silty, gla Light gry, me Med-dark gr y, very fine gr	White, cr-gr si dded_w/tight,.  grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b  auconitic sd ste dd-fine gr ss, c y, fine gr ss, c ss w/ fi equen formation bark gry carb s	ery, fine-gr, ss  -med gry, tight, fine gr ss ght ss ungers entonite  -me w/ drk gry shale arb sh & coal arb sh & coal t sh breaks in lower part	of	Ojo Alamo Kurltand Fruutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Bo Chacia Mesa Ve Menefe	and Cliffs sentonite a ride see kout	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566'	4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388'	Dk gry-gry Gry f Med-light gr	Gry, sh interbo carb sh, coal, Bn-G Shale White, in grn silty, gla Light gry, me Med-dark gr y, very fine gr	White, cr-gr si dded_w/tight,.  grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b  auconitic sd ste dd-fine gr ss, c y, fine gr ss, c ss w/ fi equen formation bark gry carb s	ened gry, tight, fine gr ss ght ss ungers entonite one w/ drk gry shale arb sh & coal arb sh & coal t sh breaks in lower part h	of	Ojo Alamo Kurltand Fruutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee Point Lookout	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be Chacia Mesa Ve Menefe Point Lool Manco Gallup Greenho	and Cliffs sentonite a rice see kout se com	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388'	4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	Dk gry-gry  Gry f  Med-light gr  Lt gry to b	Gry, sh interbo carb sh, coal, Bn-G Shale White, a grn silty, gla Light gry, ma Med-dark gr y, very fine gr rn cale carb m ir Highly o	White, cr-gr si dded,w/tight,. grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b  uccontic sd ste ad-fine gr ss, c y, fine gr ss, c ss w/ frequen formation bark gry carb s area gluae silts reg interbed s alc gry sh w/ t	ery, fine-gr, ss  emed gry, tight, fine gr ss th ss entonite  ene w/ drk gry shale arb sh & coal arb sh & coal t sh breaks in lower part th t & very fine gry gry ss w h hun Imst	of	Ojo Alamo  Kurltand  Fruutland  Pictured Cliffs  Lewis  Huerfanito Bentonite  Chacia  Mesa Veide  Menefee  Point Lookout  Mancos  Gallup  Gieenhorn	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be Chacia Mesa Ve Menefe Point Lool Manco Gallup Greenho	mo d d loffs sentomte a rde ee kout s o o o o o o o o o o o o o o o o o o	3730' 3944' 4072' 4268' 4423' 11/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	40,72' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453' 8486'	Dk gry-gry Gry f Med-light gr	Gry,sh interbo carb sh, coal, Bn-G Shale White, in grn silty, gla Light gry, me Med-dark gr y, very fine gr in calc carb me ir Highly c Dk gry shale, y foss carb sl	White, cr-gr si  dded,w/tight, grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b  auconitic sd sto ed-fine gr ss, c ry, fine gr ss, c rs sw/ frequen formation bark gry carb s alca gluae silts reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss	ery, fine-gr, ss emed gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal arb sh & coal t sh breaks in lower part th & very fine gry gry ss w h hin Imst w/ pyrite incl w/ pyrite incl tw/ pyrite incl tw/ pyrite incl	of	Ojo Alamo Kurltand Frutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee  Point Lookout Mancos Gallup Greenhorn Graneros	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be Chacia Mesa Vei Menefe Point Lool Manco Gallup Greenhed Granere	and Cliffs sentomte a rde cee kout ss common cos a common common cos a common common cos a common common common common common common common cos a common cos a co	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388'	4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	Dk gry-gry  Gry f  Med-light gr  Lt gry to b	Gry, sh interbo	White, cr-gr sidded, w/tight, grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b utconitic sd stoed-fine gr ss, cod, fine gr ss,	ery, fine-gr, ss emed gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal it sh breaks in lower part th & very fine gry gry ss w h hin Imst w/ pyrite incl w/ pyrite incl tw/ pyrite incl tw/ pyrite incl thin sh banks	of	Ojo Alamo Kurltand Frutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee Point Lookout Mancos Gallup Greenhorn Graneros Dakota	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be Chacia Mesa Vei Menefe Point Lool Manco Gallup Greenho Granero Dakota	and Cliffs sentomte a crede see kout ss soom sos a son	3730' 3944' 4072' 4268' 4423' 11/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	40,72' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453' 8486' 8666'	Dk gry-gry  Gry f  Med-light gr  Lt gry to b	Gry, sh interbo	White, cr-gr sidded, w/tight, grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b utconitic sd stoed-fine gr ss, cod, fine gr ss,	ery, fine-gr, ss emed gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal arb sh & coal t sh breaks in lower part th & very fine gry gry ss w h hin Imst w/ pyrite incl w/ pyrite incl tw/ pyrite incl tw/ pyrite incl	of	Ojo Alamo Kurltand Frutland Pictured Cliffs Lewis Huerfanito Bentonite Chacia Mesa Veide Menefee  Point Lookout Mancos Gallup Greenhorn Graneros	3944! 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	
Ojo Alar Kultan Fruitlan Pictured C Lewis Huerfanito Be Chacia Mesa Vei Menefe Point Lool Manco Gallup Greenho Granero Dakota	and Cliffs sentomte a crede see kout ss soom sos a son	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453' 8486'	40,72' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453' 8486' 8666'	Dk gry-gry  Gry f  Med-light gr  Lt gry to b  Lt to dark gr	Gry, shinterboc carb sh, coal, Bn-G Shale White, In grn silty, gla Light gry, me Med-dark gr y, very fine gr rn calc carb m ir Highly c Dk gry shale, y foss carb sl cled grn, brn &	White, cr-gr sidded_aw/tight,- grn silts, light ry, fine grn, tig w/ siltstone st wavy chalky b auconitic sd sto ed-fine gr ss, c ry, fine gr ss, c rs sw/ fiequen formation bark gry carb s alcae gluae silts reg interbed s alc gry sh w/ t fossil & carb y y shale brea red waxy sh &	ery, fine-gr, ss emed gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal it sh breaks in lower part th & very fine gry gry ss w h hin Imst w/ pyrite incl w/ pyrite incl tw/ pyrite incl tw/ pyrite incl thin sh banks	of //	Ojo Alamo Kurltand Fruutland Pictured Chiffs Lewis Huerfanito Bentomite Chacia Mesa Veide Menefee Point Lookout Mancos Gallup Greenhorn Graneros Dakota Morrison	3730' 3944' 4072' 4268' 4423' n/a 5240' 5864' 6112' 6420' 6942' 7566' 8388' 8453'	

33 Indicate which items have been attached by placing a check in the ap	propriate boxes.		
X Electrical/Mechanical Logs (1 full set req'd )	Geologic Report	DST Report	Directional Survey
Sundry Notice for plugging and cement verification	Core Analysis	Other.	
34 I hereby certify that the foregoing and attached information is complete.	ete and correct as determined from a	all available records (see attached in	structions)*
Name (please print) MaryodE. Jaram	1 h	•	off Regulatory Tech
Signature	Date	e	1/11/2
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a	cume for any person knownaly ar	nd willfully to make to any department	ent or agency of the United States any
false, fictitious or fraudulent statements or representations as to any matte		ia williany to make to any departine	and agency of the officer states trip