Form 3160-4 (August 2007)

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APR 03 2012

UNITED STATES DEPARTMENT OF THE INTERIOR Farmington Field Office BUREAU OF LAND MANAGEMENT Ureau of Land Management

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

	WE	LL COMF	PLETION OF	RECOM	PLETIC	ON REPO	ORT AND	LOG	5 Lease	Serial No	SF-07745	1 A	
	= = =		Tara Tin			1 101			f 167 1	A.U T		<u></u>	
la Type of Well b Type of Com	=	Oil Well New Well	X Gas We Work O		Dry Эеереп	Other Plug		Diff Resvr,	6. If Ind	an, Allottee or T	nbe Name		
o Typo of Com	pretton. L	ı	L	Ц	эсорси	L * * ** 5		Dir Restr,	7 Unit	or CA Agreeme	nt Name and I	VO.	
2. Name of Oper		Other			. 25					Name and Well	366 2		
2. Name of Oper		Burlinato	n Resource:	s Oil & G	as Con	npany			8 Lease		∾o andia Fede	ral 1F	
3 Address		-				No (include			9. API V				
	Box 4289, Fa			with Federal	reaureme		326-970	0	10 Field	and Pool or Exp	30-045-35	016 —(か しる
i. Location of ii	en (nepon rocum	m cicarry an	a in accordance	mm r cacrar	equireme	<i></i> ,					BASIN DAK	OTA	
At surface			G (SWNE)), 2,095' FNL	& 1,990°	FEL			11 Sec	T, R, M, on E Survey or Are			
										Survey of Aic	Sec. 29, T	30N, R1	11W
At top prod. I	nterval reported b	elow							12 Cou	nty or Parish		13	3. State
At total depth									İ	San Ju	ın	İ	New Mexico
Date Spudde	d	15 E	ate T D. Reached		16. Dat	e Completed		3/22/2012	17. Ele	ations (DF, RKE	. , ,		
12 18. Total Depth.	/28/2011		1/15/2012		<u> </u>	D&A	6,73 4	ly to Prod	th Bridge Pl		GL-6,757' / KB MD	~6.772'	
is. Total Deptil.	MD TVD	6,7	43. [19. F	Plug Back T D	<i>).</i> ·	MD TVD	0,730	20 Dep	an Bridge Pi	ig set.	TVD		
21 Type Electri	c & Other Mecha	nıcal Logs R	un (Submit copy	of each)				22 W	as well cored	?	X No	Yes	(Submit analysis)
								W	/as DST run'	•	X No	=	(Submit report)
GR/CCL/CBL	D 1/D							D	irectional Su	rvey?	X No	Yes	(Submit copy)
	iner Record (Rep			D) D.	(((((((((((((((((((Stage	Cementer	No of S	ks. &	Slurry Vol	G	, T	A
Hole Size	Size/Grade	Wt (#/f		D) Bot	tom (MD)		epth	Type of C		(BBL)	Cement to		Amount Pulled
12 1/4" 8 3/4"	9 5/8", H-40 7", J-55	32.3# 20#	0		231' 4,012'		n/a n/a	76 sx/Pr 488 sx/Pr		22 bbls 188 bbls	Surface Surface		7 bbls 55 bbls
6 1/4"	4 1/2, L-80	11.6#	0		6,738'		n/a	224 sx/Pr	em.Lite	81 bbls	3,410		
		ļ						<u> </u>					
								<u> </u>			<u></u>		
24 Tubing Reco	Depth Set (M	(U)	cker Depth (MD)	Sız		Depth Set (N	(m)	Packer Depth	(MD):	Size	Depth Set (I	MD) T	Packer Depth (MD)
2 3/8", 4.7#,	Deptil Set (W	D) [Fa	cker Deptii (MD)	312	-	Deptil Set (1	(10)	I acker Deptil	(MD)	5120	Deptili Set (1	(ID)	Tacker Deput (MD)
L-80 25 Producing In	6,658'	!	n/a	J		6. Perforati	on Record				<u> </u>		
	Formation		Top	Bott			erforated In	terval		Size	No Holes		Perf. Status
A) Basin Dak	ota		(5921	(()	201		1000			(1) 41:	14		
B) C)			6,583'	6,63			1SPF 2SPF			f" diam	34	 	Open Open
D) Total Hole			1								48		
27. Acid, Fractu	re, Treatment, Ce Depth Interval	ment Squeez	e, etc					Amount and T	ype of Mate	nal			
Basin Dakota -			Frac w/ 36,62	24 gal 85Q N	2 slcikfoa	m w/ 25,025	# 20/40 Bra	ady Sand, N2:			ספה מעני	4034	n .
		<u> </u>									HL 0016	. Div	
											DIST	9	
28. Production - Date First	Interval A Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production M			
Produced		Tested	Production		MCF	BBL	Corr. API	Grav	nty				
n/a	3/22/2012	1 1	EXTENSES.	0	38mcf/h	.87bw/h	<u> </u>			Flowing			
Choke	Tbg Press	Csg.	24 Hr		Gas	Water	Gas/Oil	Well	Status	January .			
Size	Flwg	Press.	Rate	BBL	MCF	BBL	Ratio						
1/2"	SI 870psi	SI 865psi		0	914mcf/d	21bw/d		SI					
28a Production		1	1			1	loio	- 10					
Date First Produced	Test Date	Hours Tested	Test Production	1 1	Gas MCF	Water BBL	Oil Gravity Corr API	y Gas Grav	utv	Production M		en enem	NON
]			} }					•	ACCEP	TED FOR	nev	JESLJ
Choke	Tbg Press	Csg	24 Hr	Oıl	Gas	Water	Gas/Oıl	Well	Status	Δ1	PR 0 4 2	กา	
Size	Flwg	Press	Rate	, ,	MCF	BBL	Ratio	1,7511		A	- ለሀፕሬ	UIZ.	
	SI						}			FARMING	STONFIE	LD OF	FICE
*(See instruction	ns and spaces for a	additional da	ta on page 2)			RAIL	acn			BY S	\sim		

8b Production ate First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method			
roduced	Test Date	Tested	Production	BBL	MCF	BBL	Corr API	Gravity	1 roduction rection			
	}	}		}	1	}	}	} `				
noke	Tbg. Press.	Csg.	24 Hr	Oil	Gas	Water	Gas/Oil	Well Status	<u> </u>	 		
ze	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio	Well Status				
	SI	1	NAME OF THE OWNER, WHEN THE OW		1	}		1				
Da Dandustina	Internal D						<u>.l</u>					
Re Production ate First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	- <u>-</u>		
roduced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity				
		1	H-AND	1	- }			Į.				
hoke	Tbg. Press	Csg	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	<u> </u>	- 		
ıze	Flwg	Press.	Rate	BBL	MCF	BBL	Ratio					
	SI	İ	PIER PROPERTY.		1	į.		Ĭ				
9. Disposition	of Gas (Solid, u	sed for fuel.	rented, etc.)					<u>l</u>				
or a reposition	or one (co)	,.,,,,										
								loi a				
0. Summary o	f Porous Zones (Include Aqui	iers)					31. Format	ion (Log) Markers			
Show all imp	ortant zones of p	orosity and c	ontents thereof:	Cored interv	vals and all	irıli-stem tes	t,	ł				
-	-		ed, time tool open				•	ļ				
recoveries								Ì				
								l				
				·						Тор		
Formatic	on 1	Гор	Bottom		Descrip	tions, Conte	nts, etc	1	Name	Meas. Depth		
0.41			0.501	 					Ois Alsons	753'		
Ojo Alan Kirltano	1	753' 858'	858' 1793'			White, cr-gr ss dded w/tight, s		ł	Ojo Alamo Kırltand	753 858'		
]	l)	-]				
	Fruitland 1793' 2127' Dk gry-gry carb sh, coal, grn silts,						e gr ss	Fruitland	1793'			
Pictured C Lewis	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						Pictured Cliffs Lewis	2127' 2306'				
Huerfanito Be					-		Huerfanito Bentonite	2823'				
ruerranito Be	entonite 2	823	2634		wnite,	waxy charky be	entomie	1	Truettanno Benjointe	2023		
Chacra	a 2	854'	3646'	Gry f	n grn silty, gla	uconitic sd sto	ne w/ drk gry shal	e	Chacra	2854'		
Mesa Verde 3646' 3849'			ļ	Light gry, m	ed-fine gr ss, c	arb sh & coal	ł	Mesa Verde	3646'			
Menefe	e 3	849'	4453'	ļ	Med-dark gr	y, fine gr ss, ca	arb sh & coal		Menefee	3849'		
	.		40201	Med-light gr	y, very fine gr		t sh breaks in lowe	r part of	D'ar La	44521		
Point Lool		1453' 1830'	4830' 5718'	ļ	-	formation	t.	1	Point Lookout Mancos	4453' 4830'		
Manco	s 4	830	3/18	It gry to b		ark gry carb si icae pluae silts	n & very fine gry g	TV 55 W/	ivialicos	4630		
Gallup	, 5	718'	6455'	2. 3.,		reg interbed s		,,	Gallup	5718'		
Greenho	orn 6	6455'	6509'	l	Highly o	alc gry sh w/ t	hin Imst		Greenhorn	6455'		
Granero	os 6	5509'	6581'	<u>.</u>		fossil & carb		., .}	Graneros	6509'		
Dakota	a 6	5581'	6743'	Li to dark g		y Y shale brea	w/ pyrite incl thin ks	sh dands	Dakota	6581'		
Morriso	on remarks (include			Interb	ed gm, bm &	red waxy sh &	fine to coard grn	ss	Morrison	00		
		Basin Dakota	a being comming	gled by DH	C Order#3	3341AZ.						
This is a Bland	co Mesa Verde/											
33 Indicate w	hich items have		by placing a che	ck in the ap	_			DST Report	☐ Directional Surv	vey		
3 Indicate w	'hich ıtems have l al/Mechanical Lo	ogs (1 full set	req'd)	ock in the ap	Geo	logic Report	· [DST Report	☐ Directional Surv	vey		
33 Indicate w Electrica Sundry 1	hich items have al/Mechanical Lo Notice for pluggi	ogs (1 full set	reg'd)		Geo	logic Report	[Other		rey		
33 Indicate w Electrica Sundry l	hich items have al/Mechanical Lo	ogs (1 full set	req'd) nt verification trached information	on is comple	Geo	logic Report	ned from all av	Other	attached instructions)*			
33 Indicate w Electrica Sundry l	hich items have al/Mechanical Lo Notice for pluggi	ogs (1 full set	req'd) nt verification trached information		Geo	logic Report	[Other	attached instructions)* REGULATORY TECHNICIAN			
3 Indicate w Electrica Sundry	which items have all/Mechanical Loc Notice for pluggi ertify that the for the (please print)	ogs (1 full set	req'd) nt verification trached information	on is comple	Geo	logic Report	ned from all av	Other	attached instructions)*			

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DEPARTMENT OF THE INTERIOR Farmington Field Office
BUREAU OF LAND MANAGEMENT Bureau of Land Management

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ing the second	WE	LL COM	PLETION	OR RECO	MPLETIC	ON REP	ORT AN	D LO	G		e Serial No	SF-07745	1. A	
la Type of Well	- i	Oil Well	X Gas	: Well	Dry	Othe	er			6 If Inc	lian, Allottee or T		1-A	
b Type of Con	<u></u>	New Well		rk Over	Deepen	<u></u>] Diff	Resvr,					
, •		Other									or CA Agreeme	CA and	NO.	
2 Name of Oper											e Name and Well			
3. Address	E	Burlingto	n Resour	rces Oil &		npany No. (include	e area code)	-	9 API	Well No	andia Fede	eral 1	IF
PO	Box 4289, Fa					(505)	326-970					30-045-35	016	-00CZ
4. Location of W	ell (Report locati	on clearly ar	nd in accorda	nce with Feder	al requireme	ents)*				10 Fiel	d and Pool or Ex	ploratory Blanco Mesa	Verde	
At surface	G(SWNE), 2,09	5' FNL & 1,	990' FEL							11 Se	, T , R , M., on	Block and		
					>						Survey or Are	a Sec. 29, 7	30N.	R11W
At top prod 1	nterval reported b	elow								12. Co	unty or Pansh			13. State
At total depth	I										San Ju	an		New Mexico
14 Date Spudde		15. E	Date T.D. Rea		16. Dat	te Complete			22/2012	17 Ele	vations (DF, RK			11
18. Total Depth	/28/2011 MD	6,7	1/15/ 43' 11	9 Plug Back T	<u> </u>	D&A MD	X Rea 6,73 6 '		20 Depth	Bridge P		GL-6,757' / KI MD	5-6,//2	
	TVD					TVD	-,,	\cup				TVD		
21. Type Electri	c & Other Mecha	ınıcal Logs R	un (Submit c	opy of each)					22. Was			X No	=	es (Submit analysis)
GR/CCL/CBL										DST rur ctional S		X No		es (Submit report) es (Submit copy)
23 Casing and I	iner Record (Rep	ort all string	s set in well)									IA) No	<u> </u>	os (odomit copy)
Hole Size	Size/Grade	Wt (#/f	t) Top	(MD) B	ottom (MD)	, ,	Cementer	4	No of Sks.		Slurry Vol. (BBL)	Cement to	p*	Amount Pulled
12 1/4"	9 5/8", H-40	32.3#		0	231'		Depth n/a		76 sx/Pre-r					7 bbls
8 3/4"	7", J-55	20#		0	4,012'		n/a		8 sx /Prem		188 bbls			
6 1/4"	4 1/2", L-80	11.6#		0	6,738'		n/a	22	4 sx/Prem.	Lite	81 bbls	3,410'		
								 				<u> </u>		
24. Tubing Reco	Depth Set (M	ID) Pa	icker Depth (N	VID) S	ize	Depth Set (MD) T	Packe	er Depth (M	D)	Size	Depth Set (I	MD)	Packer Depth (MD)
2 3/8", 4.7#,		10	ioker Beptif (1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	Depin oct (1	2 5 cp. 11 (1		3.20			Theres septin (1915)
L-80 25 Producing Int	6,658'		n/a		20	6. Perforat	ion Record							
25 Troddeing in	Formation		Top	р Во	ottom		erforated Ir	terval			Size	No Holes		Perf Status
A)	Point Lookou		4,45		4,749' 1SPF								Open	
B) C)	Menefee/Cliffho	ouse	4,018	8' 4,	370'	1SPF . 34" diam 25					 	Open		
D)	Total Holes											51		
27 Acid, Fractu	re, Treatment, Ce Depth Interval	ment Squeez	e, etc					Amou	int and Type	of Mate	rial .			
	Depth interval		+											
Point Lookout	4,455' - 4,749' ouse -4,018' - 4,3'	70'		v/ 10 bbls 15% 19,824 gal 70Q							9# 20/40 Brady	Sand. N2: 1,2:	37,100	scf.
Menerely Chillie	1430 4,010 - 4,5		1146 107	2,024 gail 70Q	112 SHERION	111 117 121011	20110 121	<u></u>		00,50050				
28. Production -	Interval A													4 -1 a h
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravit	у	Gas		Production M	ethôd T	1 -1 -2	<u> </u>
Produced		Tested	Production	BBL	MCF	BBL	Corr. API		Gravity			OIL COM:). U	
n/a	3/7/2012	1		. 0	11mcf/h	Trace	1		ł		Flowing	DIST	. 3	
Choke	Tbg Press	Csg	24 Hr.	Oil	Gas	Water	Gas/Oil		Well St	atus	12.20 (1.11)			
Size	Flwg	Press.	Rate	BBL	MCF	BBL	Ratio		i					
1/2"	SI 870psi	SI 865psi	23.535 a. do	0	266mcf/d	7bw/d	1		sı					
28a Production		1 0001/31	<u> </u>		12001110110	1	· · · · · · · · · · · · · · · · · · ·							4.
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravit	y	Gas		Production M	ethod		· —
Produced	1	Tested	Production	BBL	MCF	BBL	Corr API		Gravity		ACCEPTE	n end di	CO	RD
			OVER 1810		1		1				AUDIEN I E			
Choke Size	Tbg Press. Flwg.	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well St	atus	A 1010	0 4 201	2	
DILLO	SI	1.000	WHAT S		1									
4/0	<u> </u>	1			<u> </u>		L				FARMUNGT	CNFIELD	OF	

Date First Produced Test Date Hours Tested Production BBL MCF BBL Corr API Gravity Corr API Gravity Production Method Gravity Corr API Gravity Corr API Gravity Corr API Gravity Production Method Gravity Size Flwg Press Rate BBL MCF BBL MCF BBL MCF BBL Water Ratio Well Status 28c Production - Interval D Date First Produced Test Date Hours Tested Production BBL MCF BBL MCF BBL Corr API Gravity Corr API Gravity Corr API Gravity Corr API Gravity Gas Gravity Production Method Gravity Corr API Gravity Corr API Gravity Gravit	28b Productio	n - Interva	I C								<u> </u>	
Cooke Tog Fress Cog 24 fs Rate BBL MCF BBL Rate CaseOff Well Status	Date First				1			1			Production Method	
Chole Five Press Cag 24 Fig. Dil. Gas Bill. MCF Bill. Bi	Produced			Tested	1 .	BBL	MCF	BBL	Corr API	Gravity		
Stop Productions Interval D Date First Test Cold Co	Choke	The Pre	000	Cen		Oil	Gas	Water	Gas/Orl	Well Status	<u> </u>	
Section Production Discrept Discrept Production BBL Corr API Gas Production Method Production BBL MCF BBL Corr API Gas Production Method Corr API Gas Production Corr API Corr API Gas Production Corr API Corr API Gas Production Corr API	Size Flwg Press		:55	-	1		1			wen status		
280c Production - Interval D Date First Test Date Transport Test Date Test Dat			11000	1 .		101						
Date First Test Date Tested Production BBL MCF	29a Productio	n Interval	<u> </u>	<u> </u>								
Checke Thg Press Cog 24 Hr Oil Class Bill MCF M				Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Choke Size Size Floy Press Rate BBIL MCF BBIL MCF BBIL MCF BBIL Ratio Well Status Poly Ratio BBIL MCF BBIL Ratio Well Status Well Sta		1					1	ı				
Programment Programment					520255			-				
Si	Choke	Tbg Pre	ess	Csg	24 Hr	Oıl	Gas	Water	Gas/Oıl	Well Status	<u> </u>	····
29 Disposition of Clas (Noted. seed for field, verified, see) 30 Summary of Percoss Zenses (Include Aquilers). Show all important zenoes of porrosity and contents thereof: Cored intervals and all drill-stem test, including depth interval lested, cushion used, fine tool open, flewing and shuf-on pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc Name Meas Depth Meas D	Size	, -			Rate	BBL	MCF	BBL	Ratio	ľ		
30 Summary of Porous Zones (Include Aquifers). Show all important zones of porouty and contents thereof. Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shuf-in pressures and recoveries. Formation Top Bestom Descriptions, Contents, etc Name Mass De, Ojo Alamo 753' 858' When, e.g. as Gry shinterbedded wingh, gry, fine gr ss Krilland 1793' Pictured Chiffs 2127' 2306' 1823' 88-6, one, gr mist, light each gry, taget, fine gr ss Fromitiand 1792' Pictured Chiffs 2127' 2306' 2823' 88-1 When, and gry says, fine gr ss Fromitiand 1792' Florest Chiffs 2127' 2306' 2823' 88-1 White, way, clustly shortone Hoerfamito Bestomite 2823' Shale will altitude stagen Chacra 2854' 3646' Gry fing mishs, glaucentice ad steve will fix gry datele Light gry, reed fine gr ss, care in & coal Mena Verde 3646' 3849' Med-slut gry, fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss so of fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss of fine green at beaks in lower part of fine fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss so of fine gr ss, care in & coal Menofee 3849' Med-slut gry, fine gr ss of fine green at beaks in lower part of fine green at beaks in lower part of fine green at beaks in lower part of fine green at the coal of the coal Menofee 3849' Med-slut gry, fine gr ss of fine green at beaks in lower part of fine green at beaks in lower part of fine green at heads of the gry gry is to will be coal of the green at beaks in lower part of fine green at the green at beaks in lower part of fine green at the green at the green at the gry gry is to will be green at the green at the green at the green at the green at the green at the green at the green at the green at the green at the green at the green at the gree		SI				İ				1		
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation	29 Disposition	n of Gas (S	olid, used	for fuel, v	ented, etc)				<u> </u>			
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation												
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation	30 Summary	of Porous 2	Zones (Inc	lude Aquit	fers).					31 Formation	on (Log) Markers	
including depth interval tested, custinon used, time tool open, flowing and shut-in pressures and recoveries. Formation Top	•		`	•	,					ļ	· 3/	
Formation Top Bottom Descriptions, Contents, etc Name Meas Decomptions		-	-	-					st,			
Formation Top Bottom Descriptions, Contents, etc Name Top Ojo Alamo 753' 858' White, er.gr ss Ojo Alamo 753' 858' Oyo Alamo 753' Kirltand 858' 1799' Gry sh interbedded whighly, gry, fine.gr ss Fruitland 1793' 2127' Dk gry-gry carb sh, coal, gri silts, light-uned gry, tight, fine gr ss Fruitland 1793' 22127' Dk gry-gry carb sh, coal, gri silts, light-uned gry, tight, fine gr ss Fruitland 1793' Lewis 2306' 2823' Shale will siltsness stragers Lewis 23206' 2823' Shale will siltsness stragers Huerfanito Bentonite 2823' 2854' White, wave, dashly bentonite Huerfanito Bentonite 2823' Chaeria 2854' 3646' Gry fin gri silty, glauconite of strone w/ dik gry shale Light gry, med-fine gr sa, crish sh & coal Mesa Verde 3646' Menefee 3849' 4453' Med-fink gry, fine gr ss, year fine gr ss will feature at the coal Mesa Verde 3646' Menefee 3849' 4453' Med-fink gry, fine gr ss, year fine gr ss will feature at the coal Mesa Verde 3646' Menefee 3849' 5718' Med-fink gry, welfine gr ss will feature at the keas in lower part of formation Point Lookout 4453' Assort Med-fink gry, gr saft sh and the coal Mesa Coal Mes	_	epth interva	l tested, c	ushion use	d, time tool ope	n, flowing ai	nd shut-ın pr	essures and		ł		
Pormation Top Bottom Descriptions, Contents, etc Name Meas Decomptions Name Meas Decomptions Name Nam	recoveries.									İ		
Formation Top Bottom Descriptions, Contents, etc Name Meas Decomptions Name Meas Decomptions Name Nam												
Ojo Alamo	77				D 44		Б				27	Тор
Kirltand 858' 1793' Gry sh mterbedded whight, gry, fine-gr ss Kirltand 858' Fruitland 1793' 2127' Dk gry-gry carb sh, coal, gm sits, light-med gry, ught, fine gr ss Pruitland 1793' Fictured Cliffs 2127 2306' Bn-Gry, fine gr, uight ss Pretured Cliffs 2127' Lewis 2306' 2823' 2854' White, waxy challty bentonite 12823' 2854' White, waxy challty bentonite 140 Euris 2306' Huerfanito Bentonite 2823' 2854' White, waxy challty bentonite 140 Euris 2306' Mesa Verde 3646' Gry fin gm sity, glauconine st stone w/ drk gry shale 140 Euris 2306' Mesa Verde 3646' 3849' Light gry, med-line gr ss, carb sh & coal 140 Mesa Verde 3646' Menefee 3849' 4453' Med-dark gry, fine gr ss w/ frequent sh breaks in lower part of formation 140 Menefee 3849' Mancos 4830' 5718' 6455' Light gry, very fine gr ss w/ frequent sh breaks in lower part of formation 140 Menefee 3849' Greenhorn 6455' 6509' Highly cale gry sh w thin finest Greenhorn 6455' Graneros 6509' 6581' De gry shale, festal & carb w/ grytte ind gr ss work frequent of Graneros 6509' 6581' De gry shale, festal & carb w/ grytte ind in that Greenhorn 6455' Graneros 6509' 6581' De gry shale, festal & carb w/ grytte ind thin sh bands Graneros 6509' 1581' Lit of dark gry fines gr sy prite and thin sh bands (by Y shale breaks Dakota 6581' Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ.	roman	ion	тор	Ì	DOHOIII		Descrip	nions, Come	ans, etc		Name	Meas Depth
Printland 1793' 2127' 2306' Bn-Gry, fine grs, tight se Pretured Cliffs 2127' 2306' Bn-Gry, fine grs, tight se Pretured Cliffs 2127' Lewns 2306' 2823' Shale w distroote staggers Lewis 2306' Huerfanito Bentonite 2823' 2854' White, wavey chalty bentonite Huerfanito Bentonite 2823' 2854' White, wavey chalty bentonite Huerfanito Bentonite 2823' Chacra 2854' 3646' Gry fing sity, glauconite set stone w/ drk gry shale Chacra 2854' Mesa Verde 3646' 3849' Light gry, med-fine gr ss, carb sh & coal Mesa Verde 3646' Menefee 3849' 4453' Med-dark gry, fine gr ss, carb sh & coal Menefee 3849' 4453' Med-dark gry, fine gr ss, wife spent sh breaks in lower part of formation Dark gry carb sh Dark gry carb sh Callup 5718' Greenhorn 6455' Group 118 gry very fine gr ss wife spent sh breaks in lower part of formation Point Lookout 4453' 4830' Dark gry carb sh Mancos 4830' S718' Li gry to brin calc carb imace gliaus silts & very fine gry gry ss wife greenhorn 6455' Groenhorn 6455' Groenhorn 6455' Groenhorn 6455' Dy Highly cale gry sh within finst Greenhorn 6455' Greenhorn 6455' Dy gry shale, fossil & carb wif pyrite and thin sh bands by Y shale breaks by Y shale breaks Dakota 6581' Dok gry shale, fossil & carb wiften and thin sh bands by Y shale breaks Dakota 6581' Dakota being commingled by DHC Order # 3341AZ.	Ojo Alai	mo	753'		858'		,	White, cr-gr s	s		Ojo Alamo	753'
Pictured Cliffs 2127 2306 Ba-Gry, fine gr, tight ss Lewis 2306 Lews 2306 3823 Shale w shittone stingers Lewis 2306 Huerfanito Bentonite 2823 2854 White, waxy chalky bentonte Huerfanito Bentonite 2823	Kirltan	nd	858'	'	1793'	İ	Gry sh interbe	dded w/tight,	gry, fine-gr ss		Kirltand	858'
Pictured Cliffs	Fruitlar	nd	1793	,	2127'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss				gr ss	Fruitland	1793'
Huerfanito Bentonite 2823' 2854' White, waxy chalky bentonite Huerfanito Bentonite 2823' Chaera 2854' 3646' Gry fing malty, glaucountie sd stone wf drk gry shale Chaera 2854' Mesa Verde 3646' 3849' Light gry, mod-fine gr ss, curb sh & coal Mesa Verde 3646' Menefee 3849' 4453' Med-dark gry, fine gr ss, curb sh & coal Menefee 3849' Point Lookout 4453' 4830' Med-light gry, very fine gr ss wf frequent sh breaks in lower part of formation Dark gry carb sh Mancos 4830' 5718' Light gry, very fine gr ss wf frequent sh breaks in lower part of formation Dark gry carb sh Mancos 4830' Gallup 5718' 6455' Light gry, very fine gr ss wf frequent sh breaks in lower part of formation Dark gry carb sh Mancos 4830' Graenhorn 6455' 6509' Highly cale gry sh wf thin Imst Greenhorn 6455' Graeneros 6509' 6581' Dk gry shale, fossal & carb wf pyrite incl Dark gry fine gr ss wf frequent sh bands cly Y shale breaks Dakota 6581' Graeneros 6509' Dk gry shale, fossal & carb wf pyrite incl Hin of all up 5718' Greenhorn 6455' This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ. 33. Indicate which items have been attached by placing a check in the appropriate boxes: Electrical/Mechanical Logs (1 full set req'd) Geologic Report DST Report Directional Survey	Pictured C	Cliffs	2127	,	2306'	l ·					Pictured Cliffs	2127'
Chacra 2854' 3646' Gry fing multy, glaucontitic ad stone wf drk gry shale Light gry, med-fine gr ss, carb sh & coal Mesa Verde 3849' 4453' Med-dark gry, fine gr ss, carb sh & coal Menefee 3849' 4453' Med-dark gry, fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Point Lookout 4453' 4830' Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation Mancos 4830' 5718' Dark gry carb sh Mancos 4830' Gallup 5718' 6455' Dark gry carb sh Mancos 4830' Greenhorn 6455' 6509' Highly cale gry sh w/ fireg interbed sh Graneros 6509' 6581' De gry shale, fossal & carb w/ gryte incl Dakota 6581' 6743' Lit od ark gry fises carb a call est lay ty saw lyrite incl thin sh bands cly Y shale breaks Dakota 6581' 6743' Interbed grn, brn & red waxy sh & fine to coard grn ss Jakota Morrison O 32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ.	Lewis	s	2306	,]	2823'	Shale w/ siltstone stingers				1	Lewis	2306'
Mesa Verde Menefee 3849' 4453' Med-dark gry, fine gr ss, carb sh & coal Menefee 3849' Point Lookout 4453' Mancos 4830' Mod-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Point Lookout 4453' Dark gry carb sh Mancos 4830' Lt gry to brn calc carb micae gluan sils & very fine gry gry ss w/ interted sp sh w thin linst Greenhorn 6455' Graneros 6509' Dakota 6581' Morrison Dakota 6581' Morrison 0 32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ.	Huerfanito B	entonite	2823	'	2854'	ł	White,	waxy chalky b	entonite		Huerfanito Bentonite	2823'
Mesa Verde Menefee 3849' 4453' Med-dark gry, fine gr ss, carb sh & coal Menefee 3849' Point Lookout 4453' Mancos 4830' Mod-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Med-light gry, very fine gr ss, carb sh & coal Menefee 3849' Point Lookout 4453' Dark gry carb sh Mancos 4830' Lt gry to brn calc carb micae gluan sils & very fine gry gry ss w/ interted sp sh w thin linst Greenhorn 6455' Graneros 6509' Dakota 6581' Morrison Dakota 6581' Morrison 0 32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ.	Chacr		2854	,	3646'	Gry	n orn silty als	weomitic set ste	one w/ drk gry shale		Chacra	2854'
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Graneros 6509' 6581' Dk gry shale, fossi & carb w/ pynte incl Graneros 6509' Dakota 6581' 6743' Lt to dark gry foss carb sl cale sl sitty ss w/ pynte mel thin sh bands cly Y shale breaks Dakota 6581' Morrison 32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ. 33. Indicate which items have been attached by placing a check in the appropriate boxes: [Selectrical/Mechanical Logs (1 full set req'd)] Geologic Report [DST Report] Directional Survey	Galluj	p	5718	3'	6455'	Ligiyiot				35 W/	Gallup	5718'
Dakota 6581' 6743' Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite mel thin sh bands cly Y shale breaks Dakota 6581' Morrison 32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ. 33. Indicate which items have been attached by placing a check in the appropriate boxes: [Selectrical/Mechanical Logs (1 full set req'd)] [Seologic Report] [DST Report] [Directional Survey]	Greenh	orn	6455	5'	6509'		Highly o	alc gry sh w/	thin Imst		Greenhorn	6455'
Dakota 6581' 6743' cly Y shale breaks Dakota 6581' Morrison 0 32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ. 33. Indicate which items have been attached by placing a check in the appropriate boxes:	Graner	ros	6509)'	6581'					, ,	Graneros	6509'
32. Additional remarks (include plugging procedure) This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ. 33. Indicate which items have been attached by placing a check in the appropriate boxes: Belectrical/Mechanical Logs (1 full set req'd) Geologic Report Directional Survey	Dakot	ta (6581	i'	6743'	Lt to dark g				Danus	Dakota	6581'
This is a Blanco Mesa Verde/Basin Dakota being commingled by DHC Order # 3341AZ. 33. Indicate which items have been attached by placing a check in the appropriate boxes: Electrical/Mechanical Logs (1 full set req'd)						Intert	ed grn, brn &	red waxy sh &	& fine to coard grn ss		Morrison	0
33. Indicate which items have been attached by placing a check in the appropriate boxes: Electrical/Mechanical Logs (1 full set req'd)	32. Additiona	ıl remarks (include pl	ugging pro	ocedure)							
Electrical/Mechanical Logs (1 full set req'd) Geologic Report DST Report Directional Survey	This is a Blan	ico Mesa V	/erde/Bas	in Dakota	being commin	gled by DH	C Order#3	3341AZ.				
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Electrical/Mechanical Logs (1 full set req'd) Geologic Report DST Report Directional Survey										···		
	33. Indicate w	which items	have been	n attached	by placing a ch	eck in the ap	propriate bo	xes:				
Sundry Notice for plugging and cement verification Core Analysis Other	Electric	al/Mechan	ical Logs	(1 full set	req'd)		Geo	ologic Repor	t 🗌	DST Report	Directional Sur	vey
	Sundry	Notice for	plugging	and cemen	t venfication		Cor	e Analysis		Other		
34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*	34 I hereby c	certify that	the forego	ing and at	tached informati	on is comple	te and corre	ct as determ	med from all avail	able records (see a	ttached instructions)*	
Name (please print) DENISE JOURNEY Title REGULATORY TECHNICIAN	Name	e (please p	rınt)		DE	NISE JOURI	NEY		Title		REGULATORY TECHNICIA	И
Signature Date 4/3/12	Signa	ature		$\triangle x$	nise C	DUTAL	<u>ut</u>		Date		4/3/12	
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	Tule 10 II C	Contract	1001 224	Fitle 42 TT	S.C. Santion 12	12 make it -	crime for	ny nercon le	nowingly and wille	ully to make to co-	denartment or agency of the IT-	ted States any

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

(Form 3)