¢.								SE(Ceiv	ED		
Form 3160-4 (August 2007)				UNITE	D STATE	s.		MA	Y 16 20	13	FORM APPROV	ED .
				RTMENT	OF THE I	NTERIOF					OMB No. 1004-0	137
			BUREA	U OF LA	ND MAN	AGEMEN	T F		ton Field	Office	Expires: July 31, 2	010
		WELL C	OMPLETIO	N OR REC	COMPLET	ION REPO		eau of	oton Field Land Man	adement No.	SF-078049-	A
la. Type of Well		Oil Well	X Gas Well		Dry	Other				 If Indian, Allottee 	or Tribe Name	
b. Type of Completion:		New Well	Work Ove	r 🛄 I	Deepen	Plug Ba	ick 🗌 Di	iff. Resvr.,		7. Unit or CA Agre	ement Name and	 No.
		Other:								Repor	+ To be	ase)
2. Name of Operator			ConocoPh	illing Cou	many					8. Lease Name and	Well No. HARDIE 2	NK
3. Address			Conocor in		a. Phone No.	(include area	code)			9. API Well No.		
	O Box 4289, Farmin ort location clearly and in			ements)*			(505) 326-9	700		10. Field and Pool of	30-045-350	70 - 00C1
	,,,,,		-			1/0 // 1733/					Basin Dako	
At surface			Unit K (N	ESW), 23	03' FSL,	1694° FW	L,				, on Block and Surve FACE: SEC. 2	
At top prod. Interval	reported below	•		Unit l	K (NESW)), 2159' FS	SL & 1688	' FWL		12. County or Paris	sh	13. State
At total depth			Unit I (NESW), 2	2159' FSL	& 1688' 1	FWL			San	Juan	New Mexico
14. Date Spudded		15. Date	T.D. Reached		16. Date Co	ompleted			GRS	17. Elevations (DF	, RKB, RT, GL)*	
1/	17/2013		2/22/2013	; 		D & A	X Ready t	to Prod.	5/3/2013		6399' GL ; 6414	4' KB
18. Total Depth:	MD TVD	7470 7453		ig Back T.D.	:	MD TVD	7463' 7446'	20. Dept	h Bridge Plug Set:		MD TVD	
21. Type Electric & Oth	ner Mechanical Logs Run								s well cored?			res (Submit analysis)
		GI	R/CCL/CBL						as DST run? rectional Survey?			Yes (Submit report) Yes (Submit copy)
23. Casing and Liner Re	cord (Report all strings se	et in well)							rectional Still Vey?			
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MI) В	ottom (MD)		Cementer epth		o, of Sks. & oe of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8'' / H-40	32.3#	0		229'		1/a		premium Lite	30 bbis	Surface	1/4 bbl
<u> </u>	7" / J-55 4 1/2" / L-80	23# 11.6#			<u>3241</u> 7464		654		Premium Lite Premium Lite	168 bbls 107 bbls	Surface 2300'	n/a
	41/2 /1/00	11.0#			1404		ua	<u> </u>	Freindur Dite		MAY 23	
										<u> </u>	CONS. DI	
24. Tubing Record	· · · · · · · · · · · · · · · · · · ·		!			[· · · · ·			DIST. 2	<u> </u>
Size	Depth Set (MD)	Pac	cer Depth (MD)	Siz	e l	Depth Set (MI))	Packer 1	Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8", 4.7#, J-55 25. Producing Intervals	7345'	l	n/a		26	Perforation Re	ecord			.		
	Formation		Тор	Botte	om			ed Interval		Size	No. Holes	Perf. Status
A) B)	Dakota Dakota		7276	738			<u>1 spf</u> 2 spf			.34"	28	open
C)	Dakota		7400	14			4	spi			20	open
D)	Total MV Perfs	<u></u>									54	
27. Acid, Fracture, Tre	atment, Cement Squeeze, e Depth Interval		<u> </u>					Amount and	Type of Material			<u>_</u>
	7266' - 7444'		Acid - 10 b	bls 15% H	CL; Frac -	39,522 gal	70% slicky	water N2 f	oam w/2,369,50	0 scf N2 and 40.	068# 20/40 Bra	dy Sand
					······							
28. Production - Interva Date First	l A Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production N	fethod	
Produced		Tested		BBL	MCF	BBL	Corr. API	Gravi	ity			
5/3/13 GRS	5/6/2013	1hr.		0	51 mcfh	1 bwph			Circles -			
Choke Size	Tbg. Press. Flwg.	Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Weil	Status	SI waiting	on ND C104	
1/2"	449 psi SI	SI 422 psi		0	1228 mefe	1 24 bwpd						
28a. Production - Inter Date First	val B Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production M	/ethod	
Produced			Production	BBL	MCF	BBL	Corr. API	Grav	ity	, output		
Choke	Tbg. Press.	Csg. Bross	24 Hr. Roto	Oil BBL	Gas MCF	Water	Gas/Oil Ratio	Well	Status			
Size	Flwg. SI	Press.	Rate	-900-	parci.	BBL	Ratio					
· · · · · · · · · · · · · · · · · · ·		1		L	L	1	1					

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

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28b. Production	- Interval C								<u> </u>
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
			1 10 410 - 11 10						
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	· · · · · · · · · · · · · · · · · · ·
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI · -	.• •		· 2 *					
28c. Production	- Interval D	·							
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Cort. API	Gravity	
		1	1990.05						
· /·	[¹⁷ ,	<u> </u>		<u> </u>	l	<u> </u>	-		
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
· ·	SI		THE REAL PROPERTY.						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

, a

TO BE SOLD

31. Formation (Log) Markers

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.

		1			Тор
. Formation	Formation Top Bottom		Descriptions, Contents, etc.	Name	Meas. Depth
Ojo Alamo	1928'	2094'	White, cr-gr ss	Ojo Alamo	1928'
Kirltand	2094'	2687'	Gry sh interbedded w/tight, gry, fine-gr ss. DK gry-gry caro sn, coai, grn sins, lignt-med gry,	Kirltand	2094'
Fruitland	2687'	2973'	tight, fine gr ss.	Fruitland	2687'
Pictured Cliffs	2973'	3146'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2973'
Lewis	3146'	3396'	Shale w/ siltstone stingers	Lewis	3146'
Huerfanito Bentonite	3568'	n/a	White, waxy chalky bentonite Gry fn grn silty, glauconitic sd stone w/ drk gry	Huerfanito Bentonite	3568'
Chacra	3940'	4310'	shale	Chacra	3940'
Mesa Verde	4310'	4727'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4310'
Menefee	4727'	5208'	Med-dark gry, fine gr ss, carb sh & coal Med-light gry, very fine gr ss w/ frequent sh breaks	Menefee	4727'
Point Lookout	5208'	5683'	in lower part of formation	Point Lookout	5208'
Mancos	5683'	6415'	Dark gry carb sh. Lt. gry to brn calc carb micac gluac silts & very	. Mancos	5683'
Gallup	6415'	7163'	fine gry gry ss w/ irreg. interbed sh.	Gallup	6415'
Greenhorn	7163'	7222'	Highly calc gry sh w/ thin Imst.	Greenhorn	7163'
Graneros	7222'	7263'	Dk gry shale, fossil & carb w/ pyrite incl. Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh	Graneros	7222'
Dakota	7263'	1	bands cly Y shale breaks	Dakota	7263'
Morrison			nterbed grn, brn & red waxy sh & fine to coard grn s	Morrison	

32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3343AZ

ectrical/Mechanical Logs (1	full set req'd.)	Geologic Report	DST Report	Directional Survey
undry Notice for plugging and	l cement verification	Core Analysis	Other:	
eby certify that the foregoing	and attached information is c	complete and correct as determined fro	om all available records (see atta	ched instructions)*
Name (please print)	Poten C	Clugston	Title	Staff Regulatory Tech.

÷							•		REC	EIV	Fn	
Form 3160-4 (August 2007)				RTMENT		NTERIOR			MAY	16 201 3	FORM APPRO	DVED -0137
		WELL C	BUREA OMPLETIO			AGEMEN' ION REPC		LOG	Farmington Bureau of La	nd Wanag	Fice Weneniand	, 2010
Ja. Type of Well	<u> </u>	Oil Well	X Gas Well		Dry	Other		<u> </u>		6. If Indian, Allottee	or Tribe Name	9-A
b. Type of Completion:	X	New Well	Work Ov	er 🔲	Deepen	Plug Ba	ck 🔲 I	Diff. Resvi	r.,	7. Unit or CA Agre	ement Name ar	nd No.
		Other:					· · ·			_ Reson	t Tol	Case }
2. Name of Operator			ConocoPh	illins Co	mnany					8. Lease Name and	Well No. HARDIE	2N
3. Address	0 D 4000 D 1					(include area c		0700		9. API Well No.		
	O Box 4289, Farmin ort location clearly and in			rements)*		(<u>505) 326-</u>	9700		10. Field and Pool of		5070 - 00C2
At surface			Unit K (N	ESW), 2	363' FSL. '	1694' FWI	Í.			11. Sec., T., R., M	Blanco Mes	
211 Sul (100							.,					28, T29N, R8W
At top prod. Interval	reported below			Unit]	K (NESW)), 2159' FS	L & 168	8' FWI	L İ	12. County or Paris	sh	13. State
At total depth			Unit I (NESW), (2159' FSL	& 1688' F	WL			San	Juan	New Mexico
14. Date Spudded		15. Date	T.D. Reached		16. Date Co	-			GRS	17. Elevations (DF	•	
1/	/17/2013		2/22/201	3		D & A	X Ready	y to Prod.	5/3/2013		6399' GL ; 64	14' KB
18. Total Depth:	MD TVD	7470 7453		ug Back T.D.		MD TVD	7463' 7446'	20. 1	Depth Bridge Plug Set:		MD TVD	
21. Type Electric & Ot	her Mechanical Logs Run		-					22.	Was well cored?		X No	Yes (Submit analysis)
		GR	CCL/CBL						Was DST run? Directional Survey?			Yes (Submit report) Yes (Submit copy)
23. Casing and Liner R	ecord (Report all strings se	t in well)	······································								<u></u>	· · · · · · · · · · · · · · · · · · ·
Hole Size	Size/Grade	Wt. (#/ft.)		D) B	ottom (MD)	Stage C De	pth		No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	
<u> </u>	<u>9 5/8" / H-40</u> 7" / J-55	<u>32.3#</u> 23#	0		229' 3241	<u> </u>	/a 54		5 sx premium Lite sx Premium Lite	30 bbls 168 bbls	Surface Surface	<u>1/4 bbl</u> 74 bbls
6 1/4"	4 1/2" / L-80	11.6#	0		7464		/a		sx Premium Lite	107 bbls	2300'	n/a
				··								
												·
24. Tubing Record Size	Depth Set (MD)	Pack	er Depth (MD)	Siz	e I I	Depth Set (MD	<u>, </u>	Pac	cker Depth (MD)	Size	Depth Set (M	D) Packer Depth (MD)
2 3/8", 4.7#, J-55	7345'		n/a									· · · · · · · · · · · · · · · · · · ·
25. Producing Intervals	Formation		Тор	Bott		Perforation Re		ted Interva	al	Size	No. Holes	Perf. Status
A)	Pt Lookout		5198	538				t spf		.34"	25	open
B)	Menefee		4764	513		<u>1 spf</u>				.34"	25	open
<u>C)</u> D)	Cliffhouse total holes		4620	472			<u>_</u>	l spf		.34	25 75	open
27. Acid, Fracture, Tre	atment, Cement Squeeze, e	etc.						Amoun	nt and Type of Material		·····	
<u> </u>	Depth Interval 5198 - 5386		Acid - 10 b	bls 15% B	CL; Frac -	40,950 gal	70% Slic		N2 foam w/1,481,60	0 scf N2 & 100,	123# 20/40 Bi	rady Sand
	4764 - 5130		Acid - 10 t	bls 15% B	CL; Frac -	26,544 gal	70% Slic	kwater	N2 foam w/1,212,30	0 scf N2 & 49,9	96# 20/40 Br:	ndy Sand
. <u></u>	4620- 4824			bls 15% H	Ci; Frac -	54,140 gai	70% SHCI	Kwater I	N2 foam w/1,222,10	<u>u sei n2 & 100,</u>	2/3# 20/40 81	ady Sand
28. Production - Interv Date First	al A Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity		Gas	Production N	fathad	
Produced	Test Date		Production	BBL	MCF	BBL	Corr. API		Gravity	FIDduction	Action	
5/3/13 GRS	5/6/2013	1hr.		0	31 mcfh	1 bwph						
Choke Size	Tbg. Press. Flwg.		24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Status	SI waiting	on ND C104	
	-	SI				1	1			or manning		
1/2" 28a. Production - Inter	449 psi SI val B	422 psi	F	0	752 mcfd	24 bwpd	L					
Date First · Produced	Test Date .		Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		Gas Gravity	Production I	Method	
a loudesta		- Osieci				1		ľ	y			
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil		Well Status		····	
Size	Flwg.		Rate	BBL	MCF	BBL	Ratio	ł				
	SI]					

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

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MAY 2 (° 2013

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FARMINGTON FIELD OFFICE BY <u>William Tambekon</u>

28b. Production	n - Interval C		• •							, ė
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
					ŀ					
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	•	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio			
	SI		(Internation							
28c. Production	Tutomial D									
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	rest Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	Troduction Method	
1000000		1 OSIG		222		555		Gravity		
• • • ·			Screen Pro-							
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	· · · · · · · · · · · · · · · · · · ·	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio			
•.	SI		Conservat							
			· ·							
29. Disposition	n of Gas <i>(Solid</i> ,	used for fuel, v	vented, etc.)						•	
						TO BI	E SOLD			
30 Summary o	f Porous Zones	(Include Aqui	fero):					31 Forma	tion (Log) Markers	
Show all imp	•	f porosity and c	fers): contents thereof: ed, time tool oper			lrill-stem tes	st,	31, Forma	tion (Log) Markers	
Show all imp	portant zones of	f porosity and c	contents thereof:			lrill-stem tes	st,	31. Forma	tion (Log) Markers	
Show all imp including dep	portant zones of	f porosity and c	contents thereof:			lrill-stem tes	st,	31. Forma	· ·	Тор
Show all imp including dep	portant zones of pth interval test	f porosity and c	contents thereof:		d shut-in pre	lrill-stem tes		31. Forma	tion (Log) Markers	Top Meas. Depth
Show all imp including dep recoveries.	portant zones of pth interval test	f porosity and c ted, cushion use	contents thereof: ed, time tool oper		d shut-in pre	Irill-stem tes	ents, etc.	31. Forma	· ·	
Show all imp including dep recoveries. Formatic	portant zones of pth interval test	f porosity and c ed, cushion use Top	contents thereof: ed, time tool oper Bottom), flowing an	d shut-in pre Descrip W	tions, Conte	ents, etc.		Name	Meas. Depth
Show all imp including dep recoveries. Formatic	portant zones of pth interval test on mo id	f porosity and c ed, cushion use Top 1928'	contents thereof: ed, time tool oper Bottom 2094'), flowing an	d shut-in pre Descrip W sh interbedd gry caro sn,	tions, Conte	ents, etc. SS t, gry, fine-gr ss. SHIS, ngne-meu gry,		Name Ojo Alamo	Meas. Depth 1928'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan	portant zones of pth interval test on mo id	f porosity and c ted, cushion use Top 1928' 2094'	Bottom 2094 ¹ 2687 ¹), flowing an	d shut-in pre Descrip W sh interbed gry caro sn, tig	tions, Conte tions, Conte thite, cr-gr ded w/tigh , coat, grn ,th, fine gr	ents, etc. SS t, gry, fine-gr ss. SHIS, light-med gry, SS.		Name Ojo Alamo Kirltand	Meas. Depth 1928' 2094'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar	portant zones of pth interval test on mo id Cliffs	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973'	Bottom 2094' 2687' 2973' 3146'), flowing an	d shut-in pre Descrip W sh interbedd gry caro sn, tig Bn-Gry	tions, Conte thite, cr-gr ded w/tigh , coar, grn , tine grn,	ents, etc. ss t, gry, fine-gr ss. suits, light-med gry, ss. tight ss.		Name Ojo Alamo Kirltand Fruitland	Meas. Depth 1928' 2094' 2687'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis	portant zones of pth interval test on mo id cliffs s	f porosity and c ted, cushion use Top 1928' 2094' 2687'	Bottom 2094' 2687' 2973'), flowing an	d shut-in pre Descrip W sh interbeda gry caro sn, tig Bn-Gry Shale w	tions, Conte thite, cr-gr ded w/tigh , coar, grn , th, fine grn, , / siltstone	ents, etc. ss t, gry, fine-gr ss. suits, light-med gry, ss. tight ss. stingers		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs	Meas. Depth 1928' 2094' 2687' 2973'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis	portant zones of pth interval test on mo id cliffs s	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973' 3146'	Bottom 2094' 2687' 2973' 3146' 3396'	, flowing an Gry s שוג פַדץ-זַ	d shut-in pre Descrip W sh interbedo gry caro sn, tig Bn-Gry Shale w White, wa	tions, Conte ded w/tigh , coar, grn , coar, grn , thite, cr-gr ded w/tigh , coar, grn , fine grn, ,/ siltstone axy chalky	ents, etc. ss t, gry, fine-gr ss. suits, light-med gry, ss. tight ss.		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis	Meas. Depth 1928' 2094' 2687' 2973' 3146'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis	portant zones of pth interval test on mo ud Cliffs s entonite	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973' 3146'	Bottom 2094' 2687' 2973' 3146' 3396'	, flowing an Gry s שוג פַדץ-זַ	d shut-in pre Descrip W sh interbedo gry caro sn, tig Bn-Gry Shale w White, wa	tions, Conte ded w/tigh , coar, grn , coar, grn , thite, cr-gr ded w/tigh , coar, grn , fine grn, ,/ siltstone axy chalky	ents, etc. ss t, gry, fine-gr ss. sills, ngnt-meu gry, ss. tight ss. stingers bentonite		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis	Meas. Depth 1928' 2094' 2687' 2973' 3146'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis Huerfanito Be	portant zones of pth interval test on mo ud Cliffs s entonite a	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973' 3146' 3568'	Bottom 2094' 2687' 2973' 3146' 3396' n/a	, flowing an Gry s DK gry-ş Gry fn ş	d shut-in pre Descrip W sh interbedg gry caro sn, tig Bn-Gry Shale w White, w grm silty, gl	tions, Conte tions, Conte thite, cr-gr ded w/tigh , coar, grn ght, fine grn, y/ siltstone axy chalky lauconitic s shale	ents, etc. ss t, gry, fine-gr ss. sills, ngnt-meu gry, ss. tight ss. stingers bentonite		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis Huerfanito Bentonite	Meas. Depth 1928' 2094' 2687' 2973' 3146' 3568'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis Huerfanito Bo Chacra Mesa Ve	portant zones of pth interval test on mo id Cliffs s entonite a erde	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973' 3146' 3568' 3940' 4310'	Bottom 2094' 2687' 2973' 3146' 3396' n/a 4310' 4727'	, flowing an Gry s נוג gry-ן Gry fn Ligl	d shut-in pre Descrip W sh interbedd gry caro sn, tig Bn-Gry Shale w White, wa grn silty, gl	tions, Conte tions, Conte thite, cr-gr ded w/tigh , coar, gm th, fine grn, th, fine grn, th siltstone axy chalky lauconitic s shale l-fine gr ss,	ents, etc. ss t, gry, fine-gr ss. sitis, ingnt-meu gry, ss. tight ss. stingers bentonite sd stone w/ drk gry , carb sh & coal		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis Huerfanito Bentonite Chacra Mesa Verde	Meas. Depth 1928' 2094' 2687' 2973' 3146' 3568' 3940' 4310'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis Huerfanito Be Chacra	portant zones of pth interval test on mo id Cliffs s entonite a erde	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973' 3146' 3568' 3940'	Bottom 2094' 2687' 2973' 3146' 3396' n/a 4310'	Gry fn Ligl Me	d shut-in pre Descrip W sh interbedd gry caro sn, tig Bn-Gry Shale w White, wa grn silty, gl ht gry, med d-dark gry,	tions, Conte tions, Conte thite, cr-gr ded w/tigh , coar, grn , fine grn, ,/ siltstone axy chalky lauconitic s shale l-fine gr ss, fine gr ss,	ents, etc. ss stils, fignt-med gry, ss. tight ss. stingers bentonite sd stone w/ drk gry , carb sh & coal carb sh & coal		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis Huerfanito Bentonite Chacra	Meas. Depth 1928' 2094' 2687' 2973' 3146' 3568' 3940'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis Huerfanito Bo Chacra Mesa Ve Menefa	portant zones of pth interval test on mo id Cliffs s entonite a erde ee	Top 1928' 2094' 2687' 2973' 3146' 3568' 3940' 4310' 4727'	Bottom 2094' 2687' 2973' 3146' 3396' n/a 4310' 4727' 5208'	Gry fn Ligl Me	d shut-in pre Descrip W sh interbedo gry caro sn, tig Bn-Gry Shale w White, w grm silty, gl ht gry, med d-dark gry, t gry, very	tions, Conte tions, Conte thite, cr-gr ded w/tigh , coar, grn , fine grn, ,/ siltstone axy chalky lauconitic s shale l-fine gr ss, fine gr ss,	ents, etc. ss t, gry, fine-gr ss. sills, ngnt-med gry, ss. tight ss. stingers bentonite sd stone w/ drk gry , carb sh & coal carb sh & coal w/ frequent sh break		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis Huerfanito Bentonite Chacra Mesa Verde Menefee	Meas. Depth 1928' 2094' 2687' 2973' 3146' 3568' 3940' 4310' 4727'
Show all imp including dep recoveries. Formatic Ojo Alar Kirltan Fruitlar Pictured C Lewis Huerfanito Bo Chacra Mesa Ve	portant zones of pth interval test on mo id Cliffs s entonite a erde ee okout	f porosity and c ted, cushion use Top 1928' 2094' 2687' 2973' 3146' 3568' 3940' 4310'	Bottom 2094' 2687' 2973' 3146' 3396' n/a 4310' 4727'	Gry fn Ligl Me	d shut-in pre Descrip W sh interbedd gry caro sn, tig Bn-Gry Shale w White, wa grn silty, gl ht gry, med d-dark gry, t gry, very in lowe	tions, Conte tions, Conte thite, cr-gr ded w/tigh , coar, grn , fine grn, ,/ siltstone axy chalky lauconitic s shale l-fine gr ss, fine gr ss,	ents, etc. ss suits, ingnt-med gry, suits, ingnt-med gry, ss. tight ss. stingers bentonite sd stone w/ drk gry , carb sh & coal carb sh & coal w/ frequent sh break strmation		Name Ojo Alamo Kirltand Fruitland Pictured Cliffs Lewis Huerfanito Bentonite Chacra Mesa Verde	Meas. Depth 1928' 2094' 2687' 2973' 3146' 3568' 3940' 4310'

A.

3

6415'

7163'

7222'

7263'

Dakota 7263'

6415'

7163'

7222'

7163'

7222'

7263'

Gallup

Greenhorn

Graneros

.

Morrison
32. Additional remarks (include plugging procedure):

This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3343AZ

Gallup

Greenhorn

Graneros

Dakota

Morrison

fine gry gry ss w/ irreg. interbed sh.

Highly calc gry sh w/ thin Imst.

Dk gry shale, fossil & carb w/ pyrite incl.

Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks

nterbed grn, brn & red waxy sh & fine to coard grn

33. Indicate which items have be	en attached by placing a check in th	ie appropriate boxes:		
X Electrical/Mechanical Logs	s (1 full set req'd.)	Geologic Report	DST Report	Directional Survey
Sundry Notice for plugging	g and cement verification	Core Analysis	Other:	
34. I hereby certify that the foreg	going and attached information is co	omplete and correct as determined fro	m all available records (see a	ttached instructions)*
Name (please print)	r Patsy C	Jugston	Title	Staff Regulatory Tech.
Signature	Talsy (lust	Date	5/15/2013
			and willfully to make to any	department or agency of the United States any
false, fictitious or fraudulent state (Continued on page 3)	ements or representations as to any	matter within its jurisdiction.	······································	(Form 3160-4, page 2)

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