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

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

	,	WELL	COMPLETIO	N OR REC	COMPLETE	ON REPO	RT AND (	3EP 25 2012	5. Lease Senal N	SF-07809	97
la Type of Well		Oil Well	X Gas W	ell	Dry	Other	Z		6 If Indian, Allo		
b Type of Complete	on X	New Well	Work (	-	Deepen	PlugB	ack arm	ington Field Offic of Land Manage	C		
		Other.					sureau (	or Land Manager	Unit or CA A	greement Name and	d No.
2 Name of Operator			ConocoPi	nillins Cor	npany				8. Lease Name a	nd Well No Heaton LS	4M
3 Address					3a Phone No				9 API Well No		
	PO Box 4289, Farm Report location clearly an			raquiramants)	*	(5	505) 326-9	700	10. Field and Poo	30-045-353	338
4. Location of Well (1	report location clearly an	u m accorain	ice will reactur	equinements					To. Field alld For	BASIN DE	ζ
At surface			UNIT	B (NW/NE),	579' FNL & 13	397' FEL				M., on Block and Sur SURFACE: SEC: 3	2, T31N, R11W
At top prod Interv	al reported below				UNIT P (SE/S	SE), 716' FSL	& 735' FEL		12. County or Pa	BOTTOM: SEC: 29	13 State
At total depth			U	NIT P (SE/SE	), 716' FSL &	735' FEL	Sa	ın Juan	New Mexico		
14 Date Spudded		15. Da	te T D. Reached		16 Date C	ompleted				DF, RKB, RT, GL)*	
	5/28/2012		7/20/201			D&A	X Read			5894' GL / 5909	9' KB
18 Total Depth	MD TVD	744 715		Plug Back T D	·	MD TVD	7414' 7119'	20 Depth Bridge Plug	Set.	MD TVD	
21 Type Electric & 6	Other Mechanical Logs R	un (Submit ce	opy of each)					22. Was well cored?			Yes (Submit analysis)
			GR/CCL/CBL					Was DST run?		= =	Yes (Submit report)
22. 0	D (2) . 2							Directional Surve	ey?	No X	Yes (Submit copy)
	Record (Report all string	1	.			Stage (	Cementer	No of Sks &	Slurry Vol	Т.	T
Hole Size	Size/Grade	Wt (#/fi	(N	ID) I	lottom (MD)		epth	Type of Cement	(BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8" / II-40	32,3#	0		229'		n/a	76sx-Pre-mix	22bbls	Surface	7bbls
8 3/4" 6 1/4"	7" / J-55 4 1/2" / L-80	23#	0		4717' 7435'		n/a n/a	601sx-Premuim Lite 215sx-Premuim Lite	216bbls 78bbls	250' 4200'	n/a n/a
									5.7	IN DATE	
									44	PRANE A	11.4°.
24 Tubing Record	<u> </u>	L						<u>-</u>		L CURD. VI NIST 3	· Y •
Size	Depth Set (MD)	Pac	ker Depth (MD)	Sız	e I	Depth Set (MI	))	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8", 4.7#, 180	7311'		n/a			D C + D					
25. Producing Interva	Formation		Тор	Bott		Perforation R	Perforated	Interval	Size	No Holes	Perf Status
A)	Dakota		7150'				1SPF			23	open
B)	Dakota		7264'	731	.41		2SPF			24	open
C) D)	TOTAL HOLES									47	
27 Acid, Fracture, Ti	eatment, Cement Squeez	e, etc.									
	Depth Interval		A aids so su/ 1	01-11- of 159/	HCL Fronts.	ul 40 61 4anla		Amount and Type of Material Slickwater pad w/ 39,576# of		Total N2:2 142 00	OCCE
	7150' - 7314'		Acidize W/ 1	000018 01 1370	IICL. Frac u	w/ 40,014gais	70 76 FORUI	Sackwater pau w/ 55,570# 01	i 20/40 Brown sand	. 10(3) 142:2,142,000	oscr.
	7100 7011										
- top						_					
						<del> </del>					
28 Production - Inter	rval A			<del></del>						<del></del>	
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production	Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity	1		
9/11/2012 GRC	9/12/2012	1hr.	30000	n/a /boph	37 /mcf/h	trace/bwph	n/a	u/a		FLOWI	ING
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil	Well Status			
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio				
1/2"	SI-640psi	SI-562psı	20X14K	n/a/bopd	888/mcf/d	12/ bwpd	n/a		S	SHUT IN	
28a. Production - Into		1,,	Im (	101	16	lnv	lore		In		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production	Method	
	1		Troduction								
0. 1		ļ <u>.</u> —				<u> </u>	0.701	117.11.0			
Choke Size	Tbg Press. Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratio	Well Status			
<del>_</del>	SI						1				
*(C-				J	<u></u>	J	L		······································		
coce instructions and	spaces for additional dat	a on page 2)									

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ASSETTED FOR RECORD

GCT 0 1 2012

PARAMGTON FIELD OFFICE



•						•	•			
28b. Production	.,	1		- 10.	la .		Taxa :	1		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press Flwg SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
28c. Production										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	<u> </u>	
29. Disposition	of Gas (Solid, use	d for fuel, v	ented, etc.)			TO DE	SCOLD	•		
30 Summary of	f Porous Zones (In-	clude Aquit	ers)	<del>.</del>		TO BE	SOLD	31 Formatic	on (Log) Markers	
Show all imp	ortant zones of por	osity and c	ontents thereof.				st,		(g,	
Formatio	n To	n	Bottom		Descun	tions, Conte	nts etc		Name	Тор
, ormano		١	Dottoni		Descrip	nons, come	111.5, 01.0		rano	Meas Depth
Ojo Alam	10 840	)'	964'		,	White, cr-gr ss	;		Ojo Alamo	840'
Kultand	964	1'	2088'	1	Gry sh interbe	dded w/tight, į	gry, fine-gr ss		Kultand	964'
Fruitland	1 208	8'	2568'	Dk gry-gry	carb sh, coal,	grn silts, light-	-med gry, tight, fine gr ss	:	Frutland	2088'
Pictured Cl	ıffs 256	8'	2752'			ry, fine grn, tıg			Pictured Cliffs	2568'
Lewis	275	2'	3380'		Shale	w/ siltstone st	ingers		Lewis	2752'
Huerfamto Be	ntonite 338	0'	3757'		White, v	waxy chalky be	entonite		Huerfanito Bentonite	3380'
CI.	1 295		10.17	l					CI.	
Chacra			4246'	Gry f			one w/ drk gry shale		Chacra	3757'
Mesa Ver			4502'			d-fine gr ss, c			Mesa Verde	4246'
Menefee	450	)2'	5016'			y, fine gr ss, ca			Menefee	4502'
Point Look	out 501	6'	5486'	Med-light gr	y, very fine gr	ss w/ frequent formation	t sh breaks in lower part	of	Point Lookout	5016'
Mancos	- 1		6304'		. D	ark gry carb si	h,		Mancos	5486'
	1			Lt gry to b			& very fine gry gry ss w	,/		
Gallup	630	94'	7038'			reg interbed s			Gallup	6304'
Greenhor			7094'		Highly c	alc gry sh w/ t	hin Imst		Greenhorn	7038'
Granero	s 709	141	7150'	Dk gry shale, fossil & carb w/ py Lt to dark gry foss carb sl calc sl sitty ss w/ py			• • •	ds	Graneros	7094'
Dakota		i0'	7910'		cly	y Y shale brea	ks		Dakota	7150'
Morrison 32. Additional	n remarks (include p	lugging pro	cedure)	Interb	ed grn, brn &	red waxy sh &	fine to coard grn ss		Morrison	
			This	is a Blanco I	Mesaverde d	& Basin Da	kota commingle wel	l under DHC36	690AZ.	
33. Indicate wl	nich items have bee	en attached	by placing a che	ck in the app	propriate box	kes				
X Electrical	l/Mechanical Logs	(1 full set r	eq'd.)		Geol	logic Report	Ds	ST Report	Directional St	ırvey
Sundry N	lotice for plugging	and cement	t verification		Core	Analysis	Ot	her-		
34. I hereby ce	rtify that the forego	oing and att	ached informati	on is comple	te and correc	et as determi	ned from all available	records (see a	ttached instructions)*	
Name	(please print)		Ar	een Kellywo	od		Title		Staff Regulatory Tech.	
Signati		W	leen Ka	llywo	mel		Date	9/2	5/12	
Title 18 U S C.	Section 1001 and	Title 43 U.	S.C. Section 12	2, make it a	crime for an	y person kn	owingly and willfully	to make to any	department or agency of the Ui	nited States any

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

(Form 3160-4, page 2)

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG  5 Lease Selial No.											
						=	<u> </u>	p 25 2012		SF-078	
la Type of Well		Oil Well	X Gas We		Dry	Other			6 If Indian, Allot	itee or Tribe Nam	e
b Type of Completion	on X	New Well	∐ Work C	ver	Deepen	Plug B	ack LLD	aton Field Office	7 Upit or CA Ar	reement Name	and No
		Other					Famin	L and Managen	em	grooment rumo	and No
1a Type of Well OII Well X Gas Well Dry Other 6 If Indian, Allottee or Tribe Name b Type of Completion X New Well Work Over Deepen Plug Back Diff Resvr Field Office Farmington Field Office Farmington Field Office 7 Unit or CA Agreement Name and No Well Work Over Deepen Plug Back Diff Resvr Field Office Farmington Field Office 7 Unit or CA Agreement Name and No Well States Name and Well No 2 Name of Operator 8 Lease Name and Well No											
ConocoPhillips Company Heaton LS 4M											
3 Address PO Box 4289, Farmington, NM 87499 Sq. (505) 326-9700 PO Box 4289, Farmington, NM 87499 Sq. (505) 326-9700 Sq. (30-045-35338											
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  10 Field and Pool or Exploratory											
BLANCO MV											
At surface UNIT B (NW/NE), 579' FNL & 1397' FEL 11 Sec , T , R , M , on Block and Survey											•
SURFACE: SEC: 32, T31N, R11W BOTTOM: SEC: 29, T31N, R11W											
At top prod Interv	al reported below				UNIT P (SE/S	E), 716' FSL	& 735' FEL		12 County or Pa		13 State
At total depth		16 D.	UI te T D Reached	IT P (SE/SE	), 716' FSL &			San Juan New Mexico			
14 Date Spudded	5/28/2012	15 Da	7/20/201	2	16 Date C	D & A	X Ready	to Prod 9/11/2012 GRC	17 Elevations (DF, RKB, RT, GL)* 5894' GL / 5909' KB		
18 Total Depth	MD	744		lug Back T D		MD	7414'	20 Depth Bridge Plug S	t	MD	
	TVD	715	1			TVD	7119'			TVD	
21 Type Electric & (	Other Mechanical Logs Ru	ın (Submit co	py of each)					22 Was well cored?		X No	Yes (Submit analysis)
			GR/CCL/CBL					Was DST run?		X No	Yes (Submit report)
_								Directional Survey	?	No [	X Yes (Submit copy)
23 Casing and Liner	Record (Report all strings	set in well)		· · ·		<del></del>					
Hole Size	Size/Grade	Wt (#/ft	) Top (M	D) B	ottom (MD)	, -	Cementer epth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement to	* Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0		229'		/a	76sx-Pre-mix	22bbls	Surface	7bbls
8 3/4"	7" / J-55	23#	0		4717'	n	/a	601sx-Premuim Lite	216bbls	250'	n/a
6 1/4"	4 1/2" / L-80	11.6#	0		7435'	n	ı/a	215sx-Premuim Lite	78bbls	4200'	n/a
						<del></del>				CUD OCT	2112
						<u> </u>				Turing.	Day.
24 Tubing Record										11157	
Size	Depth Set (MD)	Pac	ker Depth (MD)	Sız	e E	Pepth Set (MD	)	Packer Depth (MD)	Size	Depth Set (N	ID) Packer Depth (MD)
2 3/8", 4.7#, L-80 25 Producing Interval	7311'		n/a		26	Perforation Re	ecord			1	
22 Troducing morta	Formation		Тор	Bott			Perforated	Interval	Size	No. Holes	Perf Status
A)	Point Lookout		5020'	543		ISPF				23	open
B)	Menefee		4710'	4710' 4970' 1SPF						15	open
B) C) D)	TOTAL HOLES									38	
27 Acid, Fracture, Ti	eatment, Cement Squeeze	, etc									
	Depth Interval		<del>   </del>			/20 0#c 1		mount and Type of Material	600/10 P	1 1	
	5020' - 5432'		Acidize w/ 1	bbls of 15%	HCL. Frac'd v	v/ 38,976gals	70% Quality	N2 Slickwater w/ 102,292#	of 20/40 Brown sa	ind. Total N2:1,2	226,000SCF.
	3020 - 3432		Acidize w/ 10	bbls of 15%	HCL. Frac'd v	v/ 35,028gals	70% Quality	N2 Slickfoam w/ 91,463# of	20/40 Brown san	d. Total N2:1.07	8.000SCF.
	4710' - 4970'					, ,		<u> </u>			
					·						
28 Production - Inter Date First	Test Date	Hours	Test	Oıl	Gas	Water	Oil Gravity	Gas	Production	Method	
Produced	i	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	Froduction	Memod	
			(ACCEPTED)	ļ			Ì				
9/11/2012 GRC Choke	9/12/2012	1hr.	24 Hr	n/a /boph Oil	33 /mcf/h Gas	1.21/bwph Water	n/a Gas/Oil	Well Status		FLC	WING
Size	Tbg Press Flwg	Csg Press	Rate	BBL	MCF	BBL	Ratio	Well Status			
1/2"	SI-640psi	SI-562psi		n/a/bopd	797/mcf/d	29/ bwpd	n/a	<u> </u>		HUT IN	
28a Production - Into Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production	Method	
Produced	1 550 2 410	Tested	Production	BBL	MCF	BBL	Corr API	Gravity	17000000	Memod	
	}	ł	HTTENSEN	1	1	1			1		
Class	(The December	C		0.1	Con	Water	Gas/Oil	Well Status			
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Ratio	wen status			
	SI	1	Nation 1								
				<u></u>	<u></u>		<u></u>				
*(See instructions and	l spaces for additional data	a on page 2)									

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ASSENTED FOR NECOTA

CCT 0 | 2012 PARAMETON FIELD OFFICE

Choke Tbg Press. Csg Press. Size Flwg SI Press. Rate BBL MCF BBL Ratio  28c. Production - Interval D  Date First Produced Test Date Production BBL Test Oil Gas MCF BBL Corr. API Gravity  Choke Tbg Press. Csg 24 Hr. Oil Gas Water Gas/Oil Well Status  Water Gas/Oil Well Status  Water Gas/Oil Well Status	201 D	Total 2-1-0		<u></u>							+··
Parameter   Para			Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Checke Dispose	Produced	1 1		1	4		1	1		1 roduction tylethod	
Charles   Chief   Ch				I .		1			,		
Size						_				<u> </u>	
St.		-	_	1					Well Status		
286.   Depletation   Deposit   Production   Deposit   De	Size	1 *	Press.	1 .	BBL	MCF	BBL	Ratio	j		
District   Fast Date   Production   Produc				See and the see					Į		
Tracelored Tools Production IDE MCC IDE Car. APT Cravity  Choice The Comment of Car. Plant Press Cag. 24 Hr. Oil Cas. Water Chord The Cag. 24 Hr. Oil Cas. Water Chord Car. APT Car. AP	28c. Production	- Interval D		<b></b>				<u></u>			· · · · · · · · · · · · · · · · · · ·
To BE SOLD  Statemany of Paroni. Zanes (Include Arquifers).  Statemany of Paroni. Zanes (Include Arquifers).  TO BE SOLD  Statemany of Paroni. Zanes (Include Arquifers).  TO BE SOLD  Statemany of Paroni. Zanes (Include Arquifers).  TO BE SOLD  Statemany of Paroni. Zanes (Include Arquifers).  TO BE SOLD  Statemany of Paroni. Zanes (Include Arquifers).  To BE SOLD	Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Charles   Plag Press   Cag   24 Hz   Cal   Self   S	Produced		Tested	Production	BBL	MCF	BBL	Cotr. API	Gravity		
Proc						-			Į		
Proc	Choke	The Press	Csq	24 Hr	Oil	Gas	Water	Gas/Oil	Well Status	<u></u>	
State   Stat	Size	1 * 1 -				1		1	West Status		
To BR SOLD  TO BR SOLD  TO BR SOLD  To Braining of Process Zonese (Includes Aquiffers).  Show all important zones of parcialty and contents thereof. Cored intervals and all divi-tienn test, including depth interval tented, authion used, time tool open, flowing and sharkin processives and recoveries.  Permation  To Bottom  Descriptions, Contents, etc.  Name  Top  Bottom  Descriptions, Contents, etc.  Name  Top  Mean Depth  Mean Depth  Mean Depth  Mean Depth  Mean Depth  Permation  1 To 2 Bottom  Descriptions, Contents, etc.  Name  Mean Depth  Mean Depth  Mean Depth  Mean Depth  Permation  1 To 2 Bottom  Descriptions, Contents, etc.  Name  Mean Depth  Mean Dep							Ì				
Sommany of Provest Zones (Include Aquiffers).   31   Formation (Leg) Markers		<u>                                     </u>						<u> </u>			
30. Summary of Pacear Zones (General Acquillers).  Show all important zones of permisity and contents thereof. Cored intervols and all drift-leten test, including depth intervol tested, cushin used, time teal open, flowing and short-in pressures and reconvertes.  Formation.  Top  Bottom  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Formation  9-64  Principal Ciris  2-58  Firstilland  2-088  2-154  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Pertured Ciris  2-58  Firstilland  2-088  2-154  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Contents  3-80  Ciris 2-58  Shots wit alterase stingers  Lows  1-258  Lows  2-152  Shots wit alterase stingers  Lows  2-152  Descriptions, Contents, etc.  Namo  Trap  Mess. Depth  Mess. Dept	29 Disposition	of Gas (Solid, us	sed for fuel,	vented, etc)							
30. Summary of Pacear Zones (General Acquillers).  Show all important zones of permisity and contents thereof. Cored intervols and all drift-leten test, including depth intervol tested, cushin used, time teal open, flowing and short-in pressures and reconvertes.  Formation.  Top  Bottom  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Formation  9-64  Principal Ciris  2-58  Firstilland  2-088  2-154  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Pertured Ciris  2-58  Firstilland  2-088  2-154  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Descriptions, Contents, etc.  Namo  Top  Mess. Depth  Mess. Depth  Mess. Depth  Mess. Depth  Contents  3-80  Ciris 2-58  Shots wit alterase stingers  Lows  1-258  Lows  2-152  Shots wit alterase stingers  Lows  2-152  Descriptions, Contents, etc.  Namo  Trap  Mess. Depth  Mess. Dept							TO BI	r soi n			
Show all important zones of perosity and contents thereof. Cored intervals and all drill-stem test, inackding depth interval tested, endition used, time test apen, flowing and shub-in pressures and recoveries.    Formation   Top	30 Summary of	f Porous Zones (	Include Aqui	fers)			100	E SOLD	31 Formati	on (Log) Markers	
Formation   Top   Bottom   Descriptions, Contents, etc.   Monre   Meas. Depth.	30 Sammary of	Torous Zones (	monado i tepai						'   '	on (Bog) manero	
Formation Top Bottern Descriptions, Contents, etc. Name Top Meas. Depth Cop Alamo 840° 964° When, or ye as Cip Alamo 840° Your interbodied whight, gry, floor pr to Kirland 964° 2088° Cry interbodied whight, gry, floor pr to Kirland 964° 2088° Pittuded Cirifs 2568° 2752° Size	Show all imp	ortant zones of p	orosity and o	ontents thereof.	Cored inter	vals and all	drill-stem te:	st,			
Fernation   Top   Bottom   Descriptions, Contents, etc.   Name   Mess. Depth	•	•	-					,	- [		
Post	recoveries										
Post											
Post		<del></del>								·····	Т
Opp Alamo  Sid	Formation	"   т	Con	Bottom		Descrin	tions Conte	ents etc		Name	
Rishland   964'   2088'   2588'   2588'   Dis gry-gry curb street coded whight, gry, fine-gr as   Fruitland   964'   Printland   2088   2588'   Dis gry-gry curb street, coal, grant alts, light-med gry, tight, fine gr as   Fruitland   2088   2588'   Lewis   2752'   3380'   3757'   White warry dealty bencents   Lewis   2752'   Stake wit stationes tingers   Lewis   2752'   Stake wit stationes tingers   Lewis   2752'   Stake wit stationes tingers   Lewis   2752'   White warry dealty bencents   Hierfandto Bentonite   3380'   3757'   White, warry dealty bencents   Hierfandto Bentonite   3380'   A757'   White, warry dealty bencents   Hierfandto Bentonite   3380'   Mesa Verde   4240'   4502'   Light gry, med-fine gr as, curb sid & coal   Mesa Verde   4260'   Med-dark gry, fine gr as, curb sid & coal   Mesa Verde   4260'   Med-dark gry, fine gr as, curb sid & coal   Mesa Verde   4260'   Med-dark gry, gry, erg rs with Regulations de break in lewer part of formation   Dark gry earls sid break in lewer part of formation   Dark gry earls sid   Dark gry earls sid   Dark gry grabs side   Dark grabs sid	Tomatio	"   '	i op	Bottom	ļ	Безопр	tions, come		1	ranic	Meas. Depth
Ristland   964'   2088   2568'   Priustand   2088   2568'   Priustand   2088   2568'   Priustand   2088   2568'   2752'   3380'   3757'   1380'   3757'   1380'   3757'   14246'   1426'   1	O <sub>l</sub> o Alam	10 8	340'	964'			White, cr-gr s	s		Ojo Alamo	840'
Printland 2088 Pictured Cliffs 2568 Pictured Cliffs	-			2088'	Į		_			•	j.
Pictured Cliffs 2568' 2752' 3380' Stale wishtone stringers				*****							2000
Levris   2752'   3380'   3757'   Whate, way challs bentomes   Hoerfanto Bentonte   3380'		1			-				gr ss		1
Floerfanto Bentonte   3380'   3757'   Whate, wave challey bantomite   Hoerfanto Bentonte   3380'							-		İ		L
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Mesa Verde Menefee 4246' 4502' 5016' Med-dink gry, fine gr ss, curb sh & coal Menefee 4502' Med-dink gry, fine gr ss, curb sh & coal Menefee 4502' Med-dink gry, fine gr ss, curb sh & coal Menefee 4502' Med-dink gry, fine gr ss, curb sh & coal Menefee 4502' Med-dink gry, fine gr ss or feequent sh breaks in flower part of formation 7038' 7030' Lt. gry to bra calc curb microgless of the X-vey fine gry gry ss w/ sreg metrode sh 11 light year of gallup 6304' 7150' Dark gr y saw that fine the gry fine gry gry ss w/ reg metrode sh 11 light year growth graph gry share from the gry fine gry gry ss w/ reg metrode sh 11 light year growth graph gry share from the gry fine gry gry ss w/ reg metrode sh 11 light year growth gry share from the gry fine gry gry ss w/ reg metrode sh 11 light year growth gry share from the gry fine gry gry ss w/ reg metrode sh 11 light year growth gry share from the gry fine gry gry ss w/ reg metrode sh 11 light year growth gry share from the gry fine gry gry ss w/ reg metrode sh 11 light year gry share from the gry fine gry gry ss w/ reg grap gry ss w/ reg metrode sh 11 light year gry share from the gry fine gry gry ss w/ reg grap gry gry ss w/ reg grap gry gry ss w/ reg grap grap gry gry ss w/ reg grap grap gry gry ss w/ reg grap grap grap grap grap grap grap gra	Chagra	2,	757'	12461	Cont	So and aller along	and at	one w/ dels am shale		Chaga	2757
Menefee 4502 5016 Med-dark gry, fine gr ss, curb sh & coal Menefee 4502 Med-laght gry, very fine gr ss w frequents sh breaks in lower part of formation Point Lookout 5016 Dark gry earls sh.  Gallup 6304 7038 7094 Lt. gry to bin calc curb mices glace slist & very fine gry gry ss w/ Greenhorn 7038 7094 7150 Dark gry earls sh.  Dakota 7150 7910 Lt to dark gry fine gr ss w frequents she were glace slist & very fine gry gry ss w/ Greenhorn 7038 7094 116gby calc gry sh w fine fine glace slist & very fine gry gry ss w/ Greenhorn 7038 7094 116gby calc gry sh w fine fine glace slist & very fine gry gry ss w/ Greenhorn 7038 7094 116gby calc gry sh w fine fine glace slist & very fine gry gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine fine glace slist & very fine gry gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gry gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gry gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gry gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gr sp gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gr sp gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gr sp gry ss w/ Greenhorn 7038 7094 116gby calc & gr sh w fine gr sp gry ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gry ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gry ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gr ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gr ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gr ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gr ss w/ Greenhorn 7038 7094 116gby gr sh w fine gr sp gr ss w/ Gr sh gr sp gr ss	_	i	1		Giyi				1		i
Point Lookout  Med-light gry, very fine gr ss wf frequent sh breaks in lower part of formation  Mancos 5486' 6304'  Gallup 6304' 7038'  Greenform 7038' 7094'  Greenform 7038' 7094'  Dakota 7150' 7910'  Dakota 7150' 7910'  Morrison  32. Additional remarks (include plugging procedure).  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.    Med-light gry, very fine gr ss wf frequent sh breaks in lower part of formation p			1		ļ		-				ļ
Pent Lockout   5016'   5486'   6304'   Dark gy earb sh.   Mancos   5486'   6304'   Dark gy earb sh.   Mancos   5486'   Mancos   7094'   Mancos	Menere	3   4:	502"	2010.		-			]	Meneree	4502
Mancos 5486 6304 Dark gry carb sh.  Gallup 6304 7038 1094 1150 Lt. gry to bra calc carb mice gales alifs & very fine gry gry ss w/ sreg interbed sh Gallup 6304 1160 Morrison 7038 7094 1150 Lt odark gry fine gry gry ss w/ sreg interbed sh Gallup 6304 1160 Morrison 7038 7094 1150 Lt odark gry fine gry gry ss w/ sreg interbed sh Greenhorn 7038 7094 1160 Morrison 7091 1160 Morrison 70910 Lt odark gry fine gry gry ss w/ sreg interbed sh Gallup 6304 7150 7094 1160 Morrison 7094 1160 Morrison 7094 1160 Morrison 70910	Point Look	rout 5	016'	5486'	Med-light gi	ry, very fine gr		it sh breaks in lower p	part of		5016'
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Graneros 7094' 7150' 7910' Lt to dark gry foss carb st cated starty saw typyrte and thin sh bands cly Y shale betreaks Dakota 7150' Morrison  32. Additional remarks (include plugging procedure).  This is a Blanco Mesaverde & Basin Dakota commingle well under DIIC3690AZ.  33. Indicate which items have been attached by placing a check in the appropriate boxes:    X   Electrical/Mechanical Logs (1 full set req'd)   Geologic Report   DST Report   Directional Survey	Gallup	[ 6:	304'	7038'	8-7					Gallup	6304'
Dakota 7150' 7910' Morrison  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.	Greenhor	n   7	038'	7094'	Highly calc gry sh w/ thin Imst					Greenhorn	7038'
Dakota 7150' 7910' cly Y shale breaks Dakota 7150' Morrison  32. Additional remarks (include plugging procedure).  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  33. Indicate which items have been attached by placing a check in the appropriate boxes:	Granero	s   7	094'	7150'						Graneros	7094'
Morrison  32. Additional remarks (include plugging procedure).  This is a Blanco Mesaverde & Basin Dakota commingle well under DHC3690AZ.  33. Indicate which items have been attached by placing a check in the appropriate boxes:	Dakota	7	150'	7910'	1				bands	Dakota	7150'
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33. Indicate which items have been attached by placing a check in the appropriate boxes:    X   Electrical/Mechanical Logs (1 full set req'd)			e plugging pro	ocedure).		ca giii, oiii ca	rea waxy sire	e inte to court giri sa	<u></u>	11101113011	
Sundry Notice for plugging and cement verification		•	1 55 51	•	s a Blanco l	Mesaverde	& Basin Da	kota commingle	welt under DHC3	690AZ.	
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Sundry Notice for plugging and cement verification Core Analysis Other:  34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print) Arleen Kellywood Title Staff Regulatory Tech  Signature Wellen Kellyword Date 9/25/12  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	33. Indicate wl	nich items have b	een attached	by placing a che	ck in the ap	propriate bo	xes.				
Sundry Notice for plugging and cement verification Core Analysis Other:  34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print) Arleen Kellywood Title Staff Regulatory Tech  Signature Lellyword Date 9/25/12  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	X Electrica	l/Mechanical Lo	os (1 full set	rea'd )		□ Geo	logic Repor	t 🗆	DST Report	Directional:	Survey
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name (please print)  Arleen Kellywood  Title  Staff Regulatory Tech  Date  Pla5/12  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			- ,				-			эмесионы	,
Name (please print)  Arleen Kellywood  Title  Signature  Arleen Kellywood  Title  Pate  Pate  Pate  Pate  Pate  Staff Regulatory Tech  Date  Pate  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	Sundry N	lotice for pluggir	ng and cemer	t verification		Cor	e Analysis		Other:		
Signature  Circle 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	34. I hereby ce	tify that the fore	egoing and at	tached information	on is comple	te and corre	ct as determ	ined from all avail	able records (see a	attached instructions)*	
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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	Signature Wellen Kallyword Date 9/25/12										
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