Form 316	60-4
(August :	20071

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

AMENDED

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

RECE	WELL COMPLETION OR RECOMPLETION REPORT AND LOG  5 Lease Serial No  SF-079266												
ia Type of Well	1 1 2 3 10 5	Oil Well	X Gas V		Dry	Other				6 If Indian, Allo	ottec or Tribe Nam		
b Type of Completion SEP 21	" <b>2012</b>	New Well Other	Work	Over	Deepen	Plug B	ack LLL	off Resvr.,		7. Unit or CA A	greement Name	e and No	
2 Name of Operator	Office							<del>.</del>		8. Lease Name a			
<b>Farmington</b> F	ield Office		gton Resor	urces Oil 8		pany (include area	codal			9 API Well No	Vaughr	30P	
reâu of Land	Manage <b>me</b> nt O Box 4289, Farmi	ngton, NM	87499		Sa Phone No		505) 326-9	700		y API Well No	30-039-3	30953	
4 Location of Well(Re	eport location clearly and	ın accordanc	e with Federal	(cquirements)*						10 Field and Po	ol or Exploratory Basin Da		
At surface			UNI	ΓL (NW/SW),	2685' FSL &	1070' FWL			Ì	11 Sec, T, R,	M, on Block and		
												C: 28, T26N, R6W	
At top prod Interva	il reported below			1	UNIT F (SE/N	W), 1501' FN	L & 1782' FV	VL	ŀ	12 County or P		C: 28, T26N, R6W	
At total depth UNIT F (SE/NW), 1501' FNL & 1782' FWL Rio Arriba New												Now Movies	
At total depth         UNIT F (SE/NW), 1501' FNL & 1782' FWL         Rio Arriba         New Mexico           14. Date Spudded         15 Date T D Reached         16 Date Completed         17. Elevations (DF, RKB, RT, GL)*												<del></del>	
6/23/2012 7/3/2012 D & A X Ready to Prod. 08/25/2012GRC 6436' GL / 6451' KB												6451' KB	
18 Total Depth	MD TVD	756 728		Plug Back T I	)	MD TVD	7535' 7257'	20 Depth Bri	idge Plug Set		MD TVD		
21 Type Electric & C	Other Mechanical Logs Ru	<del></del>				110	1 4421	22 Was wel	il cored?		X No [	Yes (Submit analysis)	
	_		GR/CCL/CBL					Was DS	S F run?		X No	Yes (Submit report)	
								Direction	nal Survey?		☐ No [	X Yes (Submit copy)	
23. Casing and Linei F	Record(Report all strings	set in well)				1 6: (		N= -60	lea P.	Ch V.1	Ţ		
Hole Size	Size/Grade	Wt. (#/fi	Top (	MD) E	Bottom (MD)	-	Cementer epth	No of S Type of C		Slurry Vol. (BBL)	Cement top	o* Amount Pulled	
12 1/4"	9 5/8" / 11-40	32.3#		0 346' n/a 249sx-Ty						57bbls Surface			
8 3/4"	7" / J-55	23#	0		4851'		1/a	635sx-Prem 216sx-Prem		228bbls	Surface		
6 1/4"	4 1/2" / L-80	11.6#			7555'		ı/a	2168X-Prem	um Lite	78bbls	4200'	n/a	
24 Tubing Record	<u> </u>	L									_L		
Size	Depth Set (MD)	Pac	ker Depth (MI	D) Si:	ze	Depth Set (MI	0)	Packer Depth	(MD)	Size	Depth Set (N	MD) Packer Depth (MD)	
2 3/8"/4.7#/J-55	7229'		n/a		2.								
25 Producing Intervals	Formation		Тор	Bott		Perforation R	Perforated	I Interval		Size	No. Holes	Perf Status	
A)	Upper Dakota		7226'	723			12S	PF		.34"	60	open	
B)	Lower Dakota		7460'	746	50'		251	<u>'F</u>		0.46	2	open	
D)			<del></del>						-, -			· · · · · · · · · · · · · · · · · · ·	
27 Acid, Fracture, Tro	catment, Cement Squeeze	, etc											
	Depth Interval		Acidiza w/	10bbls of 15%	HC1. Frac'd	w/ 6 720gals		Amount and Type		f 70O 25# X-Lin	k Gel Foam w/ 2	01,113# of 20/40 Brown sand	
	7226' - 7231'		l l	,572,300SCF.	THE D. THE U	117 0,720gais				1 70Q 200 X 200		01,115# 01 20/40 BIOWII SAIIC	
			<del></del>										
28 Production - Interv	val A												
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production	WebolCT 1	1112	
Produced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity			70 00. 2	and and an officer	
08/25/2012 GRC	8/30/2012	1hr.		trace/boph	11/mcf/h	trace/bwph	п/а		n/a		FLC	OWING	
Choke	Fbg. Press	Csg	24 Hı	Oil	Gas	Water	Gas/Oil	Well Statu	s	Π	IL CONS.	ntu.	
Size	Flwg.	Press	Rate	BBL	MCF	BBL	Ratio			¥_1	*** ********	1 W2 do T U	
1/2"	SI-453psi	St-705psi		4/bopd	257/mcf/d	8/ bwpd	n/a				HUTINGT	?	
28a Production - Inter Date First	Test Date	Hours	Test	Ioil	Gas	Water	Oil Gravity	Gas		Production	Method		
Produced	1.031 12410	Tested	Production	BBL	MCF	BBL	Con API	Gravity		, Journal of			
			-										
Choke	l'bg Press	Csg.	24 Hı	Otl	Gas	Water	Gas/Oil	Well Statu	s	<u>I</u>			
Choke Size	Flwg	Csg. Press	24 Hı Rate	Otl BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Statu	S				
	_		1		1		1	Well Statu	s				

NMOCD A

ACCEPTED FOR RECORD

OCT 0 9 2012

FARMINGTON FIELD OFFICE

BY TL Salyers

8b Production	- Interval C			- · · · · ·							
Date First Test Date Hours Test				Oil	Gas	Water	Oil Gravity	Gas	Production Method		
oduced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity			
- alea	The D		24.15	0.1	C	Write	Con/Cul	W-11 C: :	<u> </u>		
hoke ze	Tbg Press. Flwg	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratıo	Well Status			
	SI	1.255.	Take .		[		1				
Sc. Production	ı - Interval D				l	<u>.l</u>	<u> </u>	<u> </u>			
ate First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method		
oduced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity			
hoke	Tbg Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oıl	Well Status	<u> </u>		
ıze	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio	1			
	SI			ĺ				1			
Disposition	of Gas (Solid,	used for fucl,	vented, etc.)			_1		1			
-						TO DE	COLD				
) Summary o	of Porous Zones	(Include Aqu	ifers)			10 RF	SOLD	31. Format	ion (Log) Markers	21001 - 210710	
C) ''		c		G 11 -		411 .					
			contents thereof ed, time tool ope								
recoveries.	par morvar tost	.e.a, eusmon us	oa, ame toor opt	an nowing a	ana snat-m þ	auto all	•				
								-		Тор	
Formation Top Bottom Descriptions, Contents, etc								Name			
										Meas, Depth	
Ojo Alan	ŀ	2177'	2344'	White, cr-gr ss					Ojo Alamo	2177'	
Kirltano	<sup>1</sup>	2344'	2644'	Gry sh interbedded w/tight, gry, fine-gr ss					Kirltand	2344'	
Fruitlan	i i	2644'	2848'	Dk gry-gry			t-med gry, tight, fine gr s	s.	Fruitland	2644'	
Pictured C		2848'	3018'			ry, fine grn, ti	_		Pictured Cliffs	2848'	
Lewis		3018'	3288'			w/ siltstone s	=		Lewis	3018'	
Huerfanito Be	entonite	3288'	3386'		White,	waxy chalky l	pentonite		Huerfanito Bentonite	3288'	
Chacra		3386'	4563'	Gry	fn grn silty, gl	auconitic sd st	one w/ drk gry shale		Chacra	3386'	
Mesa Vei	ıde	4563'	4638'		Light gry, m	ed-fine gr ss.	carb sh & coal		Mesa Verde	4563'	
Menefe	e	4638'	5174'		Med-dark gr	y, fine gr ss, o	arb sh & coal		Menefce 4638'		
Delega Cont		5174	5/201	Med-light g	ry, very fine gr		t sh breaks in lower part o	of	Delas I and a	5174	
Point Lool Manco		5174' 5638'	5638' 6243'	ĺ	r	formation Oark gry carb s	ah.	1	Point Lookout  Mancos	5174' 5638'	
Manco	°	2036	0243	Lt gry to h			is & very fine gry gry ss v	,,]	Mancos	3038	
Gallup	,	6243'	7103'	1 20 30 100		теg interbed			Gallup	6243'	
Greenho		7103'	7154'	}	Highly	calc gry sh w/	thin Imst		Greenhorn	7103'	
Granero	os	7154'	7208'	Lt to dark o			w/ pyrite incl w/ pyrite incl thin sh band	le	Graneros	7154'	
Dakota		7208'		St to dain g		ly Y shale bre			Dakota	7208'	
Morriso 2 Additional	n remarks (inclu			Interl	bed grn, brn &	red waxy sh	& fine to coard grn ss		Morrison	<u></u>	
			This i	is a Blanco	Mesaverde	& Basin Da	akota commingle well	l under DHC	3405AZ.		
,											
, 33 Indicate w	hich items have	e been attachee	d by placing a ch	eck in the a	ppropriate b	oxes.					
	hich items have al/Mechanical I			eck in the a	_	oxes· ologic Repor	t DS	ST Report	☐ Directional Su	rvey	
X Electrica		ogs (1 full set	req'd)	eck in the a	Geo			ST Report her:	☐ Directional Su	rvey	
X Electrica	al/Mechanical I	Logs (1 full set	req'd ) nt verification		Geo	llogic Repor	O(	her:	☐ Directional Su	rvey	
X Electrica Sundry 1  34. I hereby co	al/Mechanical I	Logs (1 full set	req'd )  nt verification  ttached informat		Geo	llogic Repor	O(	her:	<u> </u>	rvcy	
X Electrica Sundry 8	Notice for plug	Logs (1 full set	req'd )  nt verification  ttached informat	ion is comp	Geo	e Analysis	Other than the control of the contro	her:	e attached instructions)*	rvey	

(Continued on page 3) (Form 3160-4, page 2)

Form 3160-4 (August 2007)

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

AMENDED

LOKM ALLKOAED										
OMB No 1004-0137										
Expires July 31, 2010										

CAMP FATTE	n ce esta		WELL CO	MPLETION O	R RECOM	IPLETIC	N REPORT	AND L	OG	5. Lease Serial N	o. SF-079	266	
	ype of Well ype of Completio		Oil Well	X Gas Well	Dry		Other			6 If Indian, Allot	tee or Tribe Name	e	
Т	ype of Completio	n. X	New Well	. Work Over	Deep	en	Plug Back	∐ Diff	f. Resvr	7 Unit or CA Ac	greement Name	and No	
	proof Operator	2012 (	Other.										
2	proof Operator	2014	Rurlingt	on Resources	Oil & Ga	s Comn	anv			8 Lease Name ar	id Well No Vaughn	30P	
3 Ad	dress						clude area code)			9 API Well No	· · · · · · · · · · · · · · · · · · ·		
Fa <u>rmi</u>	ington Fig	ပြဲမြော်ရှိနှင့် Farmir	igton, NM 8	7499			(505)	326-970	0		30-039-3	0953	
3ureau <sup>r</sup> t	of Pantill	BUSCOULOUP and	in accordance v	vith Federal require	ments)*					10 Field and Poo	ol or Exploratory BLANCO	MV	
At	t surface			UNIT L (NW	V/SW), 26851	FSL & 107	0' FWL				A, on Block and S	•	
												D: 28, T26N, R6W D: 28, T26N, R6W	
Δ1	t top prod. Interva	I reported below			IINIT	F (SE/NW)	, 1501' FNL & 1'	182' FWI		12 County or Pa		13. State	
,	t top prod. Interva	r reported below			0.111	. (SE:)	,		•	12 County of the		13. Glate	
At	t total depth			UNIT F (	SE/NW), 150	1' FNL & 1	782' FWL			Rio_	Arriba	New Mexico	
14 E	Date Spudded		15 Date	ΓD Reached	16	. Date Com				17 Elevations (I	OF, RKB, RT, GL	•	
	6/	/23/2012		7/3/2012				Ready to		6436' GL / 6451' KB			
18 T	Total Depth	MD	7565'	19 Plug B	ack TD.	M			20 Depth Bridge Plug Set		MD		
		TVD	7287'			T	VD 72:	57'	<u> </u>		TVD	<del></del>	
21 1	Type Electric & O	other Mechanical Logs Ru							22 Was well cored?		X No	Yes (Submit analysis)	
			GF	VCCL/CBL					Was DST run'		X No	Yes (Submit report)	
_									Directional Survey		No [2	Yes (Submit copy)	
23 C	Casing and Linei R	Record(Report all strings .	set in well)										
	Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom	(MD)	Stage Cement Depth	ег	No of Sks, & Type of Cement	Slurry Vol (BBL)	Cement top	* Amount Pulled	
	12 1/4"	9 5/8" / H-40	32.3#	0	34	6'	n/a		249sx-Type III	57bbls	Surface	30bbls	
	8 3/4"	7" / J-55	23#	0	485	11'	n/a		635sx-Premuim Lite	228bbls	Surface	50bbls	
	6 1/4"	4 1/2" / L-80	11.6#	0	755	55'	n/a		216sx-Premuim Lite	78bbls	4200'	n/a	
					<u> </u>								
							ļ						
21.7	F.1 - D				L		L						
24 1	Fubing Record	Depth Set (MD)	Pagles	r Depth (MD)	Size	Do	oth Set (MD)		Packer Depth (MD)	Size	Depth Set (M	ID) Packer Depth (MD)	
- 2 3	3/8"/4.7#/J-55	7229'	Facke	n/a	3126		All Set (MD)		racker Depth (MD)	3126	Depin Set (M	racker Depth (MD)	
	roducing Intervals					26. Pe	rforation Record				<del></del>		
		Formation		Тор	Bottom	1		forated I	nterval	Size	No Holes	Perf Status	
A)		Point Lookout		5206'	55631			ISPF		.34"	25	open	
B)		Manafaa		1868'	5162'			1SPE		34"	25	ODOD	

4868' - 5162'			Acidize w/	Acidize w/ 10bbls of 15% HCL. Frac'd w/ 65,520gals 70% Quality N2 Slick foam w/ 65,731# of 20/40 Brown sand. Total N2:1,188,200SCF.										
28 Production - Inte	rval A													
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method					
Produced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity	RCVD OCT 11'12					
08/24/2012 GRC	8/30/2012	lhr.		trace/boph	22/mcf/h	trace/bwpl	n/a	n/a	FLOWING					
Choke	Tbg Press .	Csg.	24 Hr	Oil	Gas	Water	Gas/Oil	Well Status	OIL CONS. DIV.					
Size	Flug	Press	Rate	BBL	MCF	BBL	Ratio		CHL VUITA. LILV.					
1/2"	S1-453psi	S1-705psi	-	6/bopd	522/mcf/d	16/ bwpd'	n/a		SHUTINGT Q					
28a Production - In-	icival B								fair do law P V Tare					
Date First	Fest Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method					
Produced		Tested	Production	BBL	MCF	BBL	Cori API	Gravity						
						į			·					
Choke	Tbg Press	Csg	24 lfr	Oil	Gas	Water	Gas/Oil	Well Status						
C.==	Eli.		Pate	1991	MCE	BBI	Ratio							

Amount and Type of Material

Acidize w/ 10bbls of 15% HCL. Frac'd w/ 119,840gals 70% Quality N2 Slick foam w/ 105,731# of 20/40 Brown sand. Total N2:1,591,000SCF.

SI

27. Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval

5206' - 5563'

ACCEPTED FOR RECORD OCT 0 9 2012

FARMINGTON FIELD OFFICE BY TL Salvars

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

28b Production	n - Interval	С												
Date First Test Date Hou			Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method				
Produced	1		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity					
					1				1					
								_ <u>j</u>						
Choke	Tbg. Pre	SS.	Csg	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status					
Size	Flwg.		Press	Rate	BBL	MCF	BBL	Ratio						
	SI		ł				1	Ì	1					
20	ــــــــــــــــــــــــــــــــــــــ		L											
28c Production			Γ				1	T						
Date First	Test Dat	e	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method				
Produced			Tested	Production	BBL.	MCF	BBL	Corr API	Gravity					
	ł		1			1	i	ł	ł					
Choke	TI D			24.11		-	137.4	Gas/Oıl	N/ U Cr /	_ <del></del>				
Size	Tbg. Pre	SS.	Csg	24 Hr. Rate	Oıl BBL	Gas	Water BBL	Ratio	Well Status					
Size	Flwg SI		Press	Kate	BBL	MCF	DBL	Kallo	ŀ					
	31													
29. Disposition	of Gas /S	olid used	for fuel v	vented etc.)	i									
27. Disposition	101 (145 (5)	ona, nsca	joi juci, v	enten, etc.)										
							TO RE	SOLD						
30 Summary o	f Porque 7	ones (Inc	lude A aus	fare)			10 00	, 30 LD	31 Formati	on (Log) Markers				
50 Summary 0	n i didus z	ones (me	rude Aqui	1615)					31 Folimati	on (Log) markers				
Show all upp	ortant zon	es of nor	ocity and a	ontents thereof	Cored inter	uala and all	drill ctom to	act	ĺ					
		-	-	ed, time tool ope					İ					
recoveries	piii iiiiCi va	i icsicu, c	usinon usc	a, time tool ope	ii, nowing a	na snat-m p	icssuics and							
iccoveries														
									l.					
									+		Тор			
Formatio	,n	Тор		Bottom		Descrip	tions, Conte	nts, etc		Name				
1 01111110			ľ	Jonom.		Бооспр	iiono, come		Į.	Tunio	Meas. Depth			
Ojo Alan	10	2177	,	2344'		,	White, cr-gr ss	,	1	Ojo Alamo	2177'			
•			ı ı		i .		_		1	•				
Kultano	' (	2344	ĺ	2644'	·	Jry sh interbe	daed w/tight,	gry, fine-gr ss.	ĺ	Kirltand	2344'			
Fruitland	d [	2644	•	2848'	Dk gry-gry	carb sh, coal,	gro silts, light	-med gry, tight, fine gr	ss.	Fruitland	2644'			
Pictured Cl	liffs	2848	,	3018'	""		ry, fine grn, ti		1	Pictured Cliffs	2848'			
Lewis		3018		3288'			w/ siltstone st			Lewis	3018'			
			1					-	Į					
Huerfanito Be	entonite	3288		3386'	[	White,	waxy chalky b	entonite	-	Huerfanito Bentonite	3288'			
Charm		2200	,	45(2)					1		2200			
Chacra	ľ	3386		4563'	Gry II			one w/ dik gry shale	1	Chacra	3386'			
Mesa Ver	rde	4563	' l	4638'		Light gry, me	ed-fine gr ss, o	arb sh & coal		Mesa Verde	4563'			
Menefe	e	4638	."	5174'		Med-dark gr	y, fine gr ss, c	arb sh & coal	1	Menefee	4638'			
					Med-light gr	v, very fine gr	ss w/ frequent	t sh breaks in lower part	of	1				
Point Look	kout	5174		5638'		,, ,	formation			Point Lookout	5174'			
Mancos	s	5638	r	6243'	}	D	ark gry carb s	h		Mancos	5638'			
	1				Lt. gry to b	rn calc carb m	icac gluac sılt	s & very fine gry gry ss	. w.l		1			
Gallup	, ]	6243	i' ]	7103'			eg, interbed s		J	Gallup	6243'			
Greenhor	rn	7103	,	7154'		Highly o	alc gry sh w/	thin Imst		Greenhorn	7103'			
Granero		7154	,	7208'			fossil & carb		1	Graneros	7154'			
	1				Lt to dark gr			w/ pyrite incl thin sh bar	nds		1			
Dakota	1	7208	3'		}	cl	y Y shale brea	iks		Dakota	7208'			
Morriso	n				Interb	ed grn, brn &	red waxy sh &	& fine to coard grn ss		Morrison	<u> </u>			
32 Additional	remarks (i	nclude pl	ugging pro	cedure).										
				This is	a Blanco M	Aesaverde (	& Basin Da	kota commingle we	il under DHC3	3405AZ.				
33 Indicate wh	hich items	have beer	n attached	by placing a che	ck in the ap	propuate be	ixes.							
								г-						
X Electrica	l/Mechani	cal Logs	(1 full set i	req'd)		Geo	logic Report	. U	ST Report	Directional S	urvey			
<u></u>						<del></del>		^						
Sundry N	Notice for p	olugging a	and cemen	t venification		Core	Analysis	∐ o	ther.					
								1.0		4 1 1 2 2 2				
34. I hereby co	ertify that t	he forego	ing and att	ached information	on is comple	ete and corre	ect as detern	uned from all availa	bie records (see	attached instructions)*				
	C-1	4			17 . 17			T'.1-		Chaff Danielan - The L				
Name	(please pr	int)		Arle	en Kellywo	-X		Title		Staff Regulatory Tech.				
		$\overline{-7}$	0	den.	- 1-	/ h lan	-Kelly	Date	(	9-21-12	•			
Signati	ure		w	0 -000		avie	10. J.	Date	<del></del>	101 10				
					<u> </u>									
Title 18 U S C	Section 10	001 and 7	itle 43 U.S	S C Section 121	2, make it a	crime for a	ny person kr	nowingly and willful	ly to make to ar	ny department or agency of the	United States any			
				presentations as						, , <u> </u>				

(Continued on page 3) (Form 3160-4, page 2)

Form 3160-4 (August 2007)

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

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

		V	WELL C	OMPLETI	ON OR RE	COMPLE	TION REP	ORT AND	LOC	3	5 Lease Serial No	SF-07920		
la. Type of Well		Lou	I Well	X Gas V	/cll	Dry	Other	- 0	Ū.	18 2012	5 If Indian, Allott			
b Type of Completion	on _		w Well	Work	<u></u>	Deepen	Plug E	Back 🔲 [	Diff R	esvr,			-1 N	
		Oth	nei					<u>Farmin</u>	gto	n Field Office	7. Unit or CA Agr	nt to l	ease.	
2 Name of Operator			Burling	on Resou	irces Oil 8	& Gas Con	Bu	reau of	La	nd Manageme	Lense Name and	l Well No. Vaughn 3	ΔP	
3 Address	O. D. 4000						o. (include area		<b></b>		9. API Well No			
4. Location of Well(R	PO Box 4289, eport location cle				equirements)*	<u> </u>		(505) 326-9	/00		10. Field and Pool		953-00C1	
A				LINIE	r i (NW/EW)	, 2685' FSL &	10701 E33/I				II See C.D.M	Basin Dako		
At sui face				ONL	L (NW/SW)	, 2005 FSL &	10/0 FWL			ĺ	11 Sec., F, R, M, on Block and Survey ( SURFACE: SEC: 28, T26N, R6W BOTTOM: SEC: 28, T26N, R6W			
At top prod Interval reported below UNIT F (SE/NW), 1501' FNL & 1782' FWL										12. County or Par	ısh	13 State		
At total depth UNIT F (SE/NW), 1501' FNL & 1782' FWL											Arriba	New Mexico		
14 Date Spudded	6/23/2012		15. Date	T D. Reache 7/3/20		16. Date 0	Completed D&A	X Ready	to Pro	od 08/27/2012GRC	17 Elevations (D	F, RKB, RT, GL)* 6436' GL / 645		
18 Total Depth	MD TVD		7565 7287		Plug Back Γ	D	MD TVD	7535' 7257'	20	0 Depth Bridge Plug Set		MD TVD		
21 Type Electric & C		Logs Run (S							22	2 Was well cored?		X No	Yes (Submit analysis)	
			G	R/CCL/CBL						Was DST run"		X No	Yes (Submit report)	
										Directional Survey'		No X	Yes (Submit copy)	
23. Casing and Linei l	Record(Report all	strings set ir	n well)				Store 6	C		No of Clar 6	Clum Val	1		
Hole Size	Size/Giad	le	Wt (#/ft)	Top (	MD)	Bottom (MD)		Cementer epth		No of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled	
12 1/4"	9 5/8" / H	-40	32.3#	0		346'		n/a		249sx-Type III	57bbls	Surface	30bbls	
8 3/4"	7" / J-55		23#	0		4851'				635sx-Premuim Lite	228bbls	Surface	50bbls	
6 1/4"	4 1/2" / L-	80	11 6#	0		7555'	!	n/a 216sx-Pres			78bbls	4200'	n/a	
												<b>RAFE 2</b>		
											<del>  Uil</del>			
24 Tubing Record												NICT O		
Size 2 3/8"/4.7#/J-55	Depth Se		Pack	er Depth (ME	) Si	ize	Depth Set (MI	D)	Pa	acker Depth (MD)	Size	"Depth Set (MD)	) Packer Depth (MD)	
25. Producing Interval	J		——	n/a		26.	Perforation R	Record				·		
	Formation			Тор	Bot	tom		Perforated		val	Size	No. Holes	Perf. Status	
A)	Upper Dak			7226'		31'		128			.34"	60	open	
B) C)	Lower Dake	ota		7460'	74	60'		281	PF		0.46	2	open	
D)				+										
27 Acid, Fracture, Tr	eatment, Cement	Squeeze, etc												
	Depth Interval									nt and Type of Material				
	7226' - 7231'				10bbls of 15% ,572,300SCF.	6 HCL. Frac'd	l w/ 6,720gals	of 25# X-Lin	k gel p	pre-pad w/ 149,520 gals o	f 70Q 25# X-Link	Gel Foam w/ 201,	,113# of 20/40 Brown san	
28 Production - Inter	Test Date	- Iu	ours	rest	Oil	Gas	Water	Oil Gravity		Gas	Production M	fethod		
Produced	rest Date	L L		Production	BBL	MCF	BBL	Corr API		Gravity	Troduction iv	letilog		
	1			_									-	
08/27/2012 GRC	8/30/201		Ihr.	24 Hr	trace/bopl		trace/bwpł			Well Status		FLOW	ING	
Choke Size	Tbg Press Flwg	Cs <sub>i</sub> Pro	- 1	4 Hr Rate	Oil BBL	Gas / MCF	Water BBL	Gas/Oil Ratio		Well Status				
	-				_	_	_					•		
1/2"	S1-453p	si S	I-705psi		4/bopd	257/mcf/d	8/ bwpd	n/a		<u></u>	SH	UT IN		
28a Production - Inte Date First	Test Date	l Ho	ouis -	rest .	Oil	Gas	Water	Oil Gravity		Gas	Production N	1ethod		
Produced		I .		Production	BBL	MCF	BBL	Corr API		Gravity	- I Saledon i			
				<del></del>		<u> </u>								
Choke	Tbg Press.	Cs		24 Hr	Oil	Gas	Water	Gas/Oil		Well Status				
Size	Flwg SI	Pic	ess.	Rate	BBL	MCF	BBL	Ratio		1				
										<u> </u>				
t/C materials and	concer for addition		21											



SEP 1 9 2012
FARMINGTON FIELD OFFICE
BY To Salvers

ate First T	Interval C	117	Toot	lou	IC	Water	Od Growty	IC-a	Decdust on Made d			
roduced	est Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method			
hoke T	bg Press	Csg.	24 Hr	Oil	Gas	Water	Gas/Otl	Well Status	<u> </u>			
<b>I</b>	lwg	Press	Rate	BBL	MCF	BBL	Ratio	Tren status				
s	I											
Be Production - 1	Interval D				<u> </u>	_J	_L	<u> </u>	•			
	est Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas Production Method				
oduced		Tested	Production	BBL	MCF	BBL	Coir. API	Gravity				
		[						ĺ				
noke T	bg Press	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status				
I	lwg	Press	Rate	BBL	MCF	BBL	Ratio					
S	SI											
Disposition of	Gas (Solid. 11	sed for fuel.	vented, etc.)		<u> </u>			l				
		· · · · · · · · · · · · · · · · · · ·	,,									
						TO BE	SOLD	las B				
). Summary of P	orous Zones (	Include Aqui	feis):					31. Formati	on (Log) Markers			
Show all import	tant zones of r	onosity and o	ontents thereof	Cored interv	als and all d	hill-stem tes	st.					
including depth		•					<b>,</b>					
recoveries	miervar testet	i, cusinon use	ea, time tool ope	n, nowing an	u shur-in pre	essures and		ļ				
recoveries												
								ļ				
										Тор		
Formation	1	ор	Bottom		Descript	tions, Conte	nts, etc		Name	Meas Dept		
		1001	2344'	<del>                                     </del>		White, ci-gr s		1	Ojo Alamo	2177		
Ojo Alamo	1 2	177'		White, ci-gr ss  Gry sh interbedded w/tight, gry, fine-gr ss.						2177'		
Ojo Alamo Kultand		344'	2644'	•	Gry sh interbed	dded w/tight,	gry, fine-gr ss.		Kirltand	2344'		
Kultand	2:	344'	2644'	1	•	_				2344'		
Kultand Frutland	2:	344' 644'	2644' 2848'	1	carb sh, coal,	grn silts, light	-med gry, tight, fine gr ss		Fruitland	2344' 2644'		
Kultand	2.5 2.6 2.5 2.5	344'	2644' 2848' 3018'	1	carb sh, coal, ; Bn-Gr	grn silts, light ry, finc grn, tig	-med gry, tight, fine gr ss ght ss			2344'		
Kultand Fruitland Pictured Cliff Lewis	22 24 25 31	344' 644' 848'	2644' 2848'	1	carb sh, coal, s Bn-Gr Shale	grn silts, light	-med gry, tight, fine gr ss ght ss ingers		Fruitland Pictured Cliffs	2344' 2644' 2848'		
Kultand Fruitland Pictured Cliff Lewis Huerfanito Bento	2: 24 25 33 25 26 31	344' 644' 848' 018' 288'	2644' 2848' 3018' 3288' 3386'	Dk gry-gry	carb sh, coal, g Bn-Gr Shale White, v	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b	-med gry, tight, fine gr ss ght ss ingers entonute		Fruitland Pictured Cliffs Lewis Huerfanito Bentonite	2344' 2644' 2848' 3018' 3288'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chacra	2: 24 25 25 26 30 30 31 31 32 33	344' 644' 848' 018' 2288'	2644' 2848' 3018' 3288' 3386' 4563'	Dk gry-gry	carb sh, coal, Bn-Gr Shale White, v	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b uconitic sd sto	med gry, tight, fine gr ss ght ss ingers entonite		Fruitland ' Pictured Cliffs Lewis Huerfanito Bentonite Chacra	2344' 2644' 2848' 3018' 3288'		
Kultand Fruitland Pictured Cliff Lewis Huerfanto Bento Chacra Mesa Verde	2: 24 25 30 31 34	344' 644' 848' 018' 288' 386' 563'	2644' 2848' 3018' 3288' 3386' 4563' 4638'	Dk gry-gry	carb sh, coal, Bn-Gr Shale White, v n grn sifty, glai	grn silts, light ry, fine grn, ti w/ siltstone st waxy chalky b uconitic sd ste d-fine gr ss, c	-med gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal		Fruitland Pictured Cliffs Lewis Huerfanito Bentomte Chacra Mesa Verde	2344' 2644' 2848' 3018' 3288' 3386' 4563'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chacra	2: 24 25 30 31 34	344' 644' 848' 018' 2288'	2644' 2848' 3018' 3288' 3386' 4563'	Dk gry-gry Gry fi	carb sh, coal, Bn-Gr Shale White, v n grn silty, glan Light gry, me	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b uconitic sd sto rd-fine gr ss, c	med gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal		Fruitland ' Pictured Cliffs Lewis Huerfanito Bentonite Chacra	2344' 2644' 2848' 3018' 3288'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chaera Mesa Verde Menefee	2: 22: 33: 33: 44:	344' 644' 848' 018' 288' 386' 563' 638'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174'	Dk gry-gry Gry fi	carb sh, coal, Bn-Gr Shale White, v n grn silty, glan Light gry, me	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b uconitic sd sto rd-fine gr ss, c	-med gry, tight, fine gr ss ght ss ingers entonite one w/ drk gry shale arb sh & coal	r.	Fruitland Pictured Cliffs Lewis Huerfanito Bentomte Chacra Mesa Verde	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638'		
Kultand Fruitland Pictured Cliff Lewis Huerfanto Bento Chacra Mesa Verde	2: 22 22 23 33 33 44 44 44 55	344' 644' 848' 018' 288' 386' 563'	2644' 2848' 3018' 3288' 3386' 4563' 4638'	Dk gry-gry Gry fi	carb sh, coal, Bn-Gr Shale White, v n grn silty, glai Light gry, me Med-dark gry	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b uconitic sd sto ed-fine gr ss, c y, fine gr ss, c ss w/ frequen	-med 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 o	r.	Fruitland Pictured Cliffs Lewis Huerfanito Bentomte Chacra Mesa Verde Menefee	2344' 2644' 2848' 3018' 3288' 3386' 4563'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos	2: 22 22 33 32 33 4 4 4 5 5	344' 644' 848' 018' 288' 3386' 563' 638'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243'	Dk gry-gry  Gry fi  Med-light gr	carb sh, coal, Bn-Gr Shale White, v n grn silty, glai Light gry, me Med-dark gry y, very fine gr	grn silts, hght ry, fine grn, tig w/ siltstone st waxy chalky b uconitic sd sto d-fine gr ss, c y, fine gr ss, c ss w/ frequen formation ark gry carb s acce gluae silts	med 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 oh.		Fruitland Pictured Cliffs Lewis Huerfanito Bentomte Chacra Mesa Verde Menefee  Point Lookout Mancos	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup	2: 22 22 33 32 33 4 4 4 5 5 6	344' 644' 848' 018' 288' 3386' 5563' 6638' 174' 6638'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243'	Dk gry-gry  Gry fi  Med-light gr	carb sh, coal, Bn-Gr Shale White, v n grn silty, glai Light gry, me Med-dark gry y, very fine gr	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uconitic sd sto d-fine gr ss, c y, fine gr ss, c ss w/ frequen formation tark gry carb s icae gluae silts reg_interbed s	med 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 oh h s & very fine gry gry ss w/sh		Frutland Prefured Cliffs Lewis Huerfanito Bentomte Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638'		
Kultand Fruutland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhom	2: 22 22 23 33 33 4 4 4 4 5 5 6 7	344' 644' 848' 018' 288' 3386' 553' 638' 174' 638' 243' 103'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'	Dk gry-gry  Gry fi  Med-light gr	carb sh, coal, Bn-Gr Shale White, w in grn silty, glai Light gry, me Med-dark gry y, very fine gr	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uconitic sd sto d-fine gr ss, c y, fine gr ss, c ss w/ frequen formation bark gry carb s icae gluae silts reg_interbed s ale gry sh w/ i	med 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 out the same were gry gry ss w/ sh thin Imst		Frutland Pictured Cliffs Lewis Huerfanito Bentomte  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638'		
Kultand Frustland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhorn Graneros	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 288' 386' 563' 6638' 174' 6638' 103' 154'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b	carb sh, coal, gards shale White, was a grant silty, glait Light gry, me Med-dark gry, very fine grant cale carb min ring Highly c	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b uconitic sd sto ed-fine gr ss, c y, fine gr ss, c ss w/ frequen formation tark gry carb s incae gluae silts reg interbed s ale gry sh w/ fossil & carb	med 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 oh h s & very fine gry gry ss w/sh		Fruitland Profused Cliffs Lewis Huerfanito Bentonite  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		
Kultand Fruutland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhorn Graneros Dakota	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 288' 3386' 553' 638' 174' 638' 243' 103'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b	carb sh, coal, Bn-Gr Shale White, w in grn silty, glan Light gry, me Med-dark gry y, very fine gr The calc carb min Highly c Dk gry shale, y foss carb sl	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd sto ed-fine gr ss, c sy, fine gr ss, c ss w/ frequen formation eark gry catb s icac gluac silts agg interbed s alac gry sh w/ i fossil & carb calc sl sitty ss y Y shale brea	-med 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 o  th s & very fine gry gry ss w/ sh thin Imst w/ pyrite incl, w/ pyrite incl, w/ pyrite incl thin sh band ks		Fruitland Prefured Cliffs Lewis Huerfanito Bentomite  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros Dakota	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhom Graneros Dakota Morison	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 2288' 3386' 563' 638' 174' 638' 103' 154' 208'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154' 7208'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b	carb sh, coal, Bn-Gr Shale White, w in grn silty, glan Light gry, me Med-dark gry y, very fine gr The calc carb min Highly c Dk gry shale, y foss carb sl	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd sto ed-fine gr ss, c sy, fine gr ss, c ss w/ frequen formation eark gry catb s icac gluac silts agg interbed s alac gry sh w/ i fossil & carb calc sl sitty ss y Y shale brea	med 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 o th s & very fine gry gry ss w/ sh thin Imst w/ pyrite incl. w/ pyrite incl thin sh band		Fruitland Profused Cliffs Lewis Huerfanito Bentonite  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		
Kultand Fruutland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhorn Graneros Dakota	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 2288' 3386' 563' 638' 174' 638' 103' 154' 208'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154' 7208'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b  Lt to dark gr	carb sh, coal, Bn-Gr Shale White, w in grn silty, glai Light gry, me Med-dark gry y, very fine gr Drn calc carb m irr Highly c Dk gry shale, yy foss carb sl cly ed grn, brn &	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd ste define gr ss, c y, fine gr ss, c ss w/ frequen formation ark gry carb s icae gluae silti reg interbed s ale gry sh w/ fossil & carb fossil & carb scale sl silty ss y Y shale bree red waxy sh &	-med 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 o th s & very fine gry gry ss w/ sh thun Imst w/ pyrite incl. w/ pyrite incl thin sh band ks & fine to coard grn ss	ds	Frutland Pictured Cliffs Lewis Huerfanito Bentomte  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros Dakota Morrison	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		
Kultand Frustland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhom Graneros Dakota Morison	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 2288' 3386' 563' 638' 174' 638' 103' 154' 208'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154' 7208'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b  Lt to dark gr	carb sh, coal, Bn-Gr Shale White, w in grn silty, glai Light gry, me Med-dark gry y, very fine gr Drn calc carb m irr Highly c Dk gry shale, yy foss carb sl cly ed grn, brn &	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd ste define gr ss, c y, fine gr ss, c ss w/ frequen formation ark gry carb s icae gluae silti reg interbed s ale gry sh w/ fossil & carb fossil & carb scale sl silty ss y Y shale bree red waxy sh &	-med 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 o  th s & very fine gry gry ss w/ sh thin Imst w/ pyrite incl, w/ pyrite incl, w/ pyrite incl thin sh band ks	ds	Frutland Pictured Cliffs Lewis Huerfanito Bentomte  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros Dakota Morrison	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		
Kultand Frustland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhom Graneros Dakota Morison	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 2288' 3386' 563' 638' 174' 638' 103' 154' 208'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154' 7208'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b  Lt to dark gr	carb sh, coal, Bn-Gr Shale White, w in gri silty, glai Light gry, me Med-dark gry y, very fine gr Dri calc carb m irr Highly c Dk gry shale, y foss carb sl cl; ed gri, bri &	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd ste define gr ss, c y, fine gr ss, c ss w/ frequen formation ark gry carb s icae gluae silti reg interbed s ale gry sh w/ fossil & carb fossil & carb scale sl silty ss y Y shale bree red waxy sh &	-med 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 o th s & very fine gry gry ss w/ sh thun Imst w/ pyrite incl. w/ pyrite incl thin sh band ks & fine to coard grn ss	ds	Frutland Pictured Cliffs Lewis Huerfanito Bentomte  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros Dakota Morrison	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		
Kultand Frustland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhom Graneros Dakota Morison	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 2288' 3386' 563' 638' 174' 638' 103' 154' 208'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154' 7208'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b  Lt to dark gr	carb sh, coal, Bn-Gr Shale White, w in gri silty, glai Light gry, me Med-dark gry y, very fine gr Dri calc carb m irr Highly c Dk gry shale, y foss carb sl cl; ed gri, bri &	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd ste define gr ss, c y, fine gr ss, c ss w/ frequen formation ark gry carb s icae gluae silti reg interbed s ale gry sh w/ fossil & carb fossil & carb scale sl silty ss y Y shale bree red waxy sh &	-med 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 o th s & very fine gry gry ss w/ sh thun Imst w/ pyrite incl. w/ pyrite incl thin sh band ks & fine to coard grn ss	ds	Frutland Pictured Cliffs Lewis Huerfanito Bentomte  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros Dakota Morrison	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		
Kultand Fruitland Pictured Cliff Lewis Huerfamto Bento Chacra Mesa Verde Menefee Point Lookou Mancos Gallup Greenhom Graneros Dakota Morison	2: 2: 3: 3: 3: 3: 4: 4: 4: 5: 5: 6: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7:	344' 644' 848' 018' 2288' 3386' 563' 638' 174' 638' 103' 154' 208'	2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154' 7208'	Dk gry-gry  Gry fi  Med-light gr  Lt gry to b  Lt to dark gr	carb sh, coal, Bn-Gr Shale White, w in gri silty, glai Light gry, me Med-dark gry y, very fine gr Dri calc carb m irr Highly c Dk gry shale, y foss carb sl cl; ed gri, bri &	grn silts, hight ry, fine grn, tig w/ siltstone st waxy chalky b  uccontic sd ste define gr ss, c y, fine gr ss, c ss w/ frequen formation ark gry carb s icae gluae silti reg interbed s ale gry sh w/ fossil & carb fossil & carb scale sl silty ss y Y shale bree red waxy sh &	-med 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 o th s & very fine gry gry ss w/ sh thun Imst w/ pyrite incl. w/ pyrite incl thin sh band ks & fine to coard grn ss	ds	Frutland Pictured Cliffs Lewis Huerfanito Bentomte  Chacra Mesa Verde Menefee  Point Lookout Mancos  Gallup Greenhorn Graneros Dakota Morrison	2344' 2644' 2848' 3018' 3288' 3386' 4563' 4638' 5174' 5638' 6243' 7103' 7154'		

3 Indicate which items have been attached by placing a check in t	he appropriate 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	
4 I hereby certify that the foregoing and attached information is c	omplete and correct as determined fro	om all available records (see at	tached mstructions)*
Name (please print) Aileen K.	ellywood	Title	Staff Regulatory Tech
Signature Tambonin for A	len Lelly word	Date	4/17/12
ritle 18 U S C. Section 1001 and Title 43 U S C Section 1212, ma		y and willfully to make to any	department or agency of the United States any
(Continued on page 3)			(Form 3160-4, pa

Form 3160-4 (August 2007)

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

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

BUREAU OF LAND MANAGEMENT Expires July 31, 2010											31, 2010	
		WELL CO	MPLETION O	R RECOM	PLETION	REPORT AN	ND LO	og	5. Lease Serial No			
							- F	PERSONAL MARKET LAND		SF-0792	266	
la Type of Well		Oil Well	X Gas Well	Dry		Other			6. If Indian, Allott	ee or Tribe Name	<del></del>	
b Type of Complete	on X	New Well	Work Over	Deepe	en 📙	Plug Back	<b>Poin</b>	Resvr.	•			
		_	_		_		_		7. Unit or CA Agr		and No.	
		Other					763	18 2012	Res	et tree	lease.	
2 Name of Operator					_	2		TOTAL	<ol><li>Lease Name an</li></ol>	l Weil No.		
<del> </del>		Burlingt	on Resources							Vaughn	30P	
3 Address	O Box 4289, Fari	nington NM S	7400	3a Ph		ude arca code)	രർത	n Field Ullice	9 API Well No.	20 020 20	)953 <b>-6062</b>	
	Report location clearly a			ments)*		STATE OF THE STATE	fia	nd Wanagemer	TO Field and Pool	or Exploratory	17:13-0062	
· isotation or ment	port localion cicariy t	ma m accordance	mm r cucrur require			Britean o	La	110 111011-5	10 11614 4154 1001	BLANCO	MV :	
At surface			UNIT L (NW	V/SW), 2685' I	FSL & 1070'	FWL		Ì	11. Sec., T., R, M			
											: 28, T26N, R6W	
				#15.14M							: 28, T26N, R6W	
At top prod. Interv	al reported below			UNITE	(SE/NW), 1	501' FNL & 1782	FWL	, 	12 County or Par	ush	13. State	
At total depth			UNIT F	SE/NW), 1501	' FNL & 178	82' FWL			Rio	Arriba	New Mexico	
14. Date Spudded		15. Date	T D Reached		Date Comple			17 Elevations (DF, RKB, RT, GL)*				
	6/23/2012		7/3/2012		D &	k A 🛛 Re	ady to	Prod 08/24/2012GRC		6436' GL / 64	451' KB	
18 Total Depth	MD	7565'	19 Plug B	ack T D	MD		20 Depth Bridge Plug Set		MD			
	TVD	7287'			TVE	7257'			<del></del>	TVD	<u>-</u>	
21 Type Electric &	Other Mechanical Logs	Run (Submit copy	of each)					22 Was well cored?		X No	Yes (Submit analysis)	
		GI	R/CCL/CBL					Was DST run?		X No	Yes (Submit report)	
								Directional Survey?		No X	Yes (Submit copy)	
23 Casing and Liner	Record(Report all strin	gs set in well)										
Hole Size	Size/Grade	Wt (#/ft)	Γοp (MD)	Bottom (	(MD)	Stage Comenter	1	No of Sks. &	Slurry Vol	Cement top*	Amount Pulled	
12 1/4"	9 5/8" / 11-40	32.3#	0	346	,	Depth n/a		Type of Cement 249sx-Type III	(BBL) 57bbls	Surface	30bbls	
8 3/4"	7" / J-55	23#	0	4851		n/a	+	635sx-Premuim Lite	228bbls	Surface	50bbls	
6 1/4"	4 1/2" / L-80	11.6#	0	7555		n/a		216sx-Premuim Lite	78bbls	4200'	n/a	
									PCI	n cep 🤈		
							-		737	POME		
24 Tubing Record	L	<u>-</u> L							1111	F GUMS. DICT 4		
Size	Depth Set (ME	)) Packe	r Depth (MD)	Size	Depth	Set (MD)		Packer Depth (MD)	Size	Depth Set (M		
2 3/8"/4.7#/J-55	7229'		n/a		1		-	<u> </u>				
25 Producing Interva	ls				26 Perfo	oration Record						
	Formation		Тор	Bottom		Perfo	rated Ir	iterval	Size	No Holes	Perf Status	
A)	Point Lookout		5206'	5563'	<del></del>		1SPF		.34"	25	open	
B) C)	Menefee		4868'	5162'			1SPF		.34"	25	open	
D)			<del>  -</del>		+			· · · · · · · · · · · · · · · · · · ·	<del></del>		<del></del>	
	reatment, Cement Sque	eze, etc										
	Depth Interval							nount and Type of Material				
	5206' - 5563'		Acidize w/ 10bbls	of 15% HCL.	Frac'd w/ 11	19,840gais 70% Q	uality	N2 Slick foam w/ 105,731#	of 20/40 Brown sa	nd. Total N2:1,5	591,000SCF.	
	4868' - 5162'		Acidize w/ 10bble	of 15% HC1	Frac'd w/ 65	5.520gals 70% On	ality N	12 Slick foam w/ 65,731# of	20/40 Brown sand	l. Total N2:1.185	3.200SCF.	
	7000 - 2102		1	1270 110104		-,>6 Qu			Suite		,	

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

Test Date

Tbg Press

Fest Date

Tbg Press

Flwg

sı

Flwg.

8/30/2012

SI-453psi

Hours

Tested

Csg

Press

Hours

Tested

Csg

Press

lhr

SI-705psi

Test

24 Hr

Rate

Test

24 Hr

Rate

Production

Production

28 Production - Interval A

08/24/2012 GRC

1/2"

28a Production - Interval B

Date First

Produced

Choke

Date First

Produced

Choke

Size

Size



Oil

BBL

Oil

BBL

Oil

Oil

BBL

BBL

trace/boph

6/bopd

Gas

MCF

Gas

MCF

Gas MCF

Gas MCF

22/mcf/h

522/mcf/d

Water

BBL

Water

BBL

Water

BBL

Water

BBL

trace/bwpl

8/ bwpd

Oil Gravity

Corr API

Gas/Oil

Oil Gravity

Corr API

Gas/Oil

Ratio

Ratio

Gas

Gas

Gravity

Well Status

Gravity

Well Status

ACCEPTED FOR RECORD
SEP 1 9 2012

Production Method

Production Method

SHUT IN

FLOWING

Farmington field office By Te Salyers

28b. Production	- Interval C									
Date First	Test Date	Hours	Test	Oil	Gas MCF	Water BBL	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Coir. API	Gravity		
						<u> </u>		<u> </u>		
Choke	Tbg. Press	Csg.	24 Hr	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg SI	Press.	Rate	BBL	MCF	BBL	Ratio			
	"									
28c. Production										•
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	ĺ	Tested	Production	BBL	MCF	BBL	Coii. API	Gravity	1	
	1									r
Choke	Tbg Press	Csg	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio			
	SI			- }						
29. Disposition	of Gas (Solid, 11:	sed for fuel,	vented, etc)					<u></u>		
	•									
30 6	CD 7 (	to all to A and	C			TO BE	SOLD	lat Farmet	(I - \ ) M - 1	
30. Summary o	f Porous Zones (	include Aqui	ters):					31 Formati	on (Log) Markers	
Show all imp	ortant zones of p	orosity and o	contents thereof	Cored inter	vals and all	drill-stem tes	st,			
	oth interval tested						•			
recovertes.					•					
		<u>_</u>		1						Тор
Formatio	n T	ор	Bottom		Descrip	tions, Conte	nts, etc		Name	Meas. Depth
								ļ	····	
Ojo Alan	1	177'	2344'			White, cr-gr s			Ojo Alamo	2177'
Kirltand	1   23	344'	2644'	1	Gry sh interbe	dded w/tight,	gry, fine-gr ss		Kirltand	2344'
Fruitland	d 20	544'	2848'	Dk gry-gry	carb sh, coal,	grn silts, light	-med gry, tight, fine gr ss	Ì	Fruitland	2644'
Pictured Cl	liffs 28	348'	3018'		Bn-G	ry, fine grn, ti	ght ss		Pictured Cliffs	2848'
Lewis	30	018'	3288'		Shale	w/ siltstone si	ingers	1	Lewis	3018'
Huerfanito Be	ntonite 32	288'	3386'	Ì	White,	waxy chalky b	entonite		Huerfanito Bentonite	3288'
C	,	2061	45(2)						Chann	22061
Chacia Mesa Vei		386' 563'	4563' 4638'	Gry		iuconitic sa ste ed-fine gr ss, c	one w/ drk gry shale		Chacra Mesa Verde	3386' 4563'
Menefe	e   40	638'	5174'		_	y, fine gr ss, c			Menefee	4638'
Point Look	cout 5	174'	5638'	Med-light gi	ry, very nne gi	formation	t sh breaks in lower part o	21	Point Lookout	5174'
Mancos	5 50	638'	6243'		E	Dark gry carb s	ih		Mancos	5638'
				Lt gry to b			s & very fine gry gry ss w	/		
Gallup	i	243'	7103'			reg interbed			Gallup	6243'
Greenho	l l	103'	7154'			calc gry sh w/			Greenhorn	7103'
Granero	os /	154'	7208'	Lt to dark g		, fossil & carb calc sl sitty ss	w/ pyrite incl thin sh band	ds	Graneros	7154'
Dakota	1 7	208'				ly Y shale brea			Dakota	7208'
Morriso				Interl	oed grn, brn &	red waxy sh &	tine to coard grn ss	1	Morrison	<u></u>
32. Additional	remarks (include	plugging pro	•	is a Rianco i	Mosavordo	& Rasin Da	ıkota commingle well	Lunder DHC3	3405 A.Z.	
			1 1113	is a Dianco	iviesaveiue	CC Dasin Da	ikota comminigie wen	under Direc	HOSAZI	
22 / 1					· · · · · · · · · · · · · · · · · · ·					<u> </u>
33. Indicate w	hich items have b	een attached	by placing a ch	eck in the ap	propriate bo	xes.				
X Electrica	nl/Mechanical Lo	gs (1 full set	req'd )		Geo	ologic Repor	t DS	ST Report	Directional Sur	vey
Sundry 1	Notice for pluggin	ng and cemer	nt verification		Cor	e Analysis	Ot	hei		
34. I hereby ce	ertify that the fore	egoing and at	tached informati	on is comple	ete and corre	et as determ	ined from all available	e records (see	attached instructions)*	
Name (please print) Ailcen Kellywood T						Title		Staff Regulatory Tech		
Signature / am fission la Alle Kelly word						- Date		2/17/12		

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