Form 3160-4 (August 2007)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

10 2012

WELL COMPLETION OR RECOMPLETION REPORTANDIDO Eield Office 5 Lease Serial No

Expires July 31, 2010

•						Bu	ireau o	f Land	d Manageme _r			SF-080	672		
la Type of Well		Oil Well	X Gas We	:11	Dry	Other					Allottee	or Tribe Name	9	. - · · · · · · · · · · · · · · · · · · 	
b Type of Com	ıpletion	New Well	Work C)ver	Deepen	Plug B	ack	Diff Re	svr,						
	_	Other			•	_		•		7 Unit or C		ement Name SAN JUAN 27			
2 'Name of Oper	ator	-								8 Lease Na					
•		Ві	urlington Re	sources	Oil & Gas	Company				SAN JUAN 27-4 UNIT 22A					
3 Address						(include area	,			9 API Well	No				
PO Box 4289, Farmington, NM 87499 (505) 326-9700												30-039-3	0480		
4 Location of Well (Report location clearly and in accordance with Federal requirements)*											d Pool o	r Exploratory	N 1 17		
At surface UNIT F (SE/NW), 1490' FNL & 2035' FWL											BLANCO MV 11 Sec , T , R , M , on Block and				
											Survey or Area				
`												SEC: 14, T			
At top prod Interval reported below UNIT D (NW/NW), 759' FNL & 835' FWL									12 County	or Paris	h		13 State		
At total depth UNIT D (NW/NW), 759' FNL & 835' FWL											Rio Ar	rriba		New Mexico	
14 Date Spudde		15 Da	te T D Reached	U,111 D (111)	16 Date (1.0			17 Elevation	····	RKB, RT, GL)*	New Mexico	
•	28/2011		10/4/201	1		D&A	X Read	dy to Proc	5/21/2012 GRC		, ,	7128			
18 Total Depth	MD	864	15' 19 1	Plug Back T I)	MD	8639'	20	Depth Bridge Plug Se	et		MD			
	TVD	836	55'	,		TVD	8359'					TVD			
21 Type Electri	ic & Other Mech	anıcal Logs R	un (Submit copy	of each)				22	Was well cored?			X No	Ye	s (Submit analysis)	
			GR/CCL	CBL					Was DST run?			X No	Ye	s (Submit report)	
									Directional Survey	?		No 2	X Ye	es (Submit copy)	
23 Casing and I	iner Record (Re	port all string	s set in well)												
Hole Size	Size/Grade	Wt (#/ft	:) Top (M	(D) E	Bottom (MD)	_	Cementer		No of Sks &	Slurry		Cement top	.*	Amount Pulled	
12 1/4"	9 5/8" / H-40	32.3#	0		234'		epth n/a		Type of Cement 106sx-Pre-mix	(BB 29bl		Surface		1bbl	
8-3/4"	9 5/8" / H-40	+		NA WATER BUILDING MAN	4733		1/a 1/a		62sx-Premuim-Lite	2835		Surface		326618	
6 1/4"	4 1/2" / L-80	11.6#	0	·	8641'	- i	n/a		49sx-Premuim Lite	195b		TOC @ 327	$\overline{}$	n/a	
								ļ							
24 Tubing Reco	<u> </u>	j						<u> </u>							
Size	Depth Set (N	MD) Pac	cker Depth (MD)	Si	ze	Depth Set (MI	D)	Pac	ker Depth (MD)	Sız	e T	Depth Set (M	(D)	Packer Depth (MD)	
2 3/8"	8565'		n/a												
25 Producing In		,			26	Perforation R									
	Formation	(T T T T T	Top	Bot				ed Interva	ıl .	Size	-	No Holes		Perf Status	
A) B)	Point Lookout a Cliffhouse / U		6286' 5894'	680				SPF SPF		.34"	_	24		open open	
C)	Cimiouser	77.11	3074		-			- · ·						орен	
D)															
27 Acid, Fractu			e, etc												
	Depth Interval		S4 4 / 29/	VCL mater	A aidi - a - u/ 10	hblo of 150/ 11	CI Fundal		and Type of Material	· foom nod w	/ 101 05	9# af 20/40 A	uta a	sand. Pumped 97bbls	
	6286' - 6806'		I	. Total N2:1.		DDIS 01 15% 11	CL. Frac d	W/ 39,50	agais 70% Siickwater	· roam pao w	7 101,95	8# 01 20/40 A	rizona	i sand. Pumped 976bis	
			Acidize w/ 1	Obbls of 15%		w/ 36,372gals	70% N2 SI	ickwater	foam pad w/ 99,983#	of 20/40 Ari	izona sai	nd. Pumped 88	Bbbls	of foam flush. Total	
	5894' - 6228'		N2:1,514,000	OSCF.						· · · · · · · · · · · · · · · · · · ·	RG	VD JUL	25	*12	
									······································		-01	L CONS	. D	[V	
28 Production -	- Interval A									 		DIST.	7		
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravit	y	Gas	Produ	ction Me		<u> </u>		
Produced		Tested	Production	BBL	MCF	BBL	Corr API		Gravity	1					
		1		,] .						****	~	
05/21/12 GRC Choke	5/24/2012 Tbg Press	Thr.	24 Hr	n/a /bopli Oil	49 /mcf/h Gas	3 /bwph Water	Gas/Oil	a	Well Status			FLO	WIN	G	
Size	Flwg	Csg Press	Rate	BBL	MCF	BBL	Ratio		wen status						
							1								
1/2"	SI-782psi	SI-677psi		n/a/bopd	1,176/mcf/c	l 65/bwpd	n/	a	<u> </u>		SHU	UT IN			
28a Production		1	T	Tou	io.	Iw	Tota		le-	In :		ab a I			
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravit Corr API	•	Gas Gravity	Produ	iction Me	eruoa			
. 1000000		103104					1								
		<u></u> ,			<u> </u>		<u> </u>								
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil		Well Status						
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio					•			
	SI	1	1	i	1	1	1		1						

NMOCD

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

ACCEPTED FOR RECORD

JUL 2 3 2012 FARMAGTON FIELD OFFICE



28b Production			In .	To:	10	lur -	Tota :		In the Notes		
Date First Produced	Test Date	Hours Tested	Test Production	Oıl BBL	Gas MCF	Water BBL		Gas Gravity	Production Method		
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratio	Well Status			
28c Production	- Interval D					<u> </u>					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Coir API	Gas Gravity	Production Method		
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hi Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
29 Disposition	of Gas (Solid, u	sed for fuel,	vented, etc)								
						то ве	E SOLD				
•	ortant zones of p	porosity and c	contents thereof ed, time tool oper					51 Follmane	on (Log) Markets		
									4		
Formation	n 7	Гор	Bottom	Descriptions, Contents, etc					Name	Top Meas Depth	
Ojo Alamo Kultand		646' 948'	3948' 4087'	White, cr-gr ss Gry sh interbedded w/tight, gry, fine-gr ss					Ojo Alamo Kırltand	3646' 3948'	
Fruitland Pictured Cli Lewis Huerfanito Ber	offs . 4	087' 293' 475' n/a	4293' 4475' 11/a 5266'	Dk gry-gry	Bn-G Shale	grn silts, light ry, fine grn, tig w/ siltstone st waxy chalky b	tingers		Fruitland 4087' Protured Cliffs 4293' Lewis 4475' Huerfanito Bentonite n/a		
Chacra Mesa Verd	L.	266' 890'	5890' 6138'			uconitic sd sto	one w/ drk gry shale		Chacra 5266' Mesa Verde 5890'		
Menefee		138'	6505',			y, fine gr ss, c			Menefee	6138'	
Point Looke Mancos	out 6	505',	7013' 7630'		y, very fine gr	ss w/ frequen formation Park gry carb s	it sh breaks in lower part of sh				
Gallup Greenhor	1	630' 420'	8420' 8490'	Lt gry to b	IF	icae gluae silt reg interbed s ale gry sh w/ 1			Gallup Greenhorn	7630' 8420'	
Graneros Dakota	ĺ	:490' :539'	8539' 8645'		y foss carb sl	fossil & carb cale sl sitty ss y Y shale brea	w/ pyrite incl thin sh bands	e incl Graneros			
Morrison 32 Additional r		e plugging pro	ocedure)	Interb	ed grn, brn &	red waxy sh &	è fine to coard grn ss		Morrison		
			This i	s a Blanco I	Mesaverde	& Basin Da	kota commingle well	under DHC2	931AZ.		

•

(

33 Indicate which items have been attached by placing a check	in the appropriate boxes		
X Electrical/Mechanical Logs (1 full set req'd) Sundry Notice for plugging and cement verification	Geologic Report	DST Report	Directional Survey
34. 1 hereby certify that the foregoing and attached information i	Core Analysis		thed mstructions)*
Name (please print) Signature Marie Marie	Don 1	Title Date	Staff Regulatory Tech
Title 18 U S C Section 1001 and Title 43 U S C Section 212, false, fictions or fraudulent statements or representations as to a	1	y and willfully to make to any dep	partment or agency of the United States any
(Continued on page 3)	/		(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

1777	信m/r	لينا ⊏	BUR	EAU OF I	LAND MA	NAGEME	ENT			Expires July	31, 2010
	定小人で	WELI	L COMPLET	ON OR F	ECOMPLE	TION REF	PORT A	ND LOG	5 Lease Seria		
						Other			6 16 I-d A	SF-080	
la Type of Well	pletion	Oil Well New Well	X Gas W		Dry Deepen	Plug Ba	ack 🗆	Diff Resvr,			
		•		,,, <u> </u>	Беерен			Dili ikesii ,	7 Unit or CA	Report +	and No
	อก Field O									SAN JUAN 2	7-4 UNIT
2's Name of Oper	eteid Manag				NI 0 0 0				8 Lease Nam		4 LINUT 22A
3 Address		BI	urlington Re		3a Phone No		code)		9 API Well N	SAN JUAN 27-	4 UNII ZZA
PC) Box 4289, I	armingtor	ı, NM 87499			•	05) 326-	9700		30-039-3	0480 -0161
4 Location of W	ell (Report locat	ion clearly an	d ın accordance	with Federal i	equirements)*				10 Field and	Pool or Exploratory	DIV
At surface			UN	IT F (SE/NW), 1490' FNL &	2035' FWL			11 Sec , T , I	BASIN R, M, on Block and	DK
				``	,,				Survey o	r Area	
4444 4 8		L-1			NUT D (NIM/N	W) 750! ENI	0. 0251 E	3/1	12 County o		27N, R04W 13 State
At top prod 1	nterval reported	below		U	NIT D (NW/N	W), /59' FINL	2 & 835° F	WL	12 County o	is Assiba	13 State
At total depth					/NW), 759' FN		'L			San duan	New Mexico
14 Date Spudde		15 Da	te T.D Reached		16 Date Co		V n	dy to Prod 5/24/2012 GRC		s (DF, RKB, RT, GL	•
18 Total Depth	28/2011 MD	864	10/4/201	l Plug Back T D		D & A MD	8639'	20 Depth Bridge Plug		7128 MD	·
10 Total Depth	MD TVD	864 836	L L	ing Dack I L		TVD	8359'	20 Depui Bridge Flug	, 5001	TVD	
21 -Type Electri	c & Other Mech	anıcal Logs Rı	un-(Submit copy	of each)				22 _Was well cored?		X No[Yes (Submit analysis)
			GR/CCL	/CBL				Was DST run?		X No	Yes (Submit report)
								Directional Surv	ey?	No [X Yes (Submit copy)
23 Casing and I	aner Record (Rej	port all string.	s set in well)			1 0 6		N COL 0		; 1	
Hole Size	Size/Grade	Wt (#/ft	Top (N	ID) E	ottom (MD)	-	Cementer opth	No of Sks & Type of Cement	Slurry V (BBL)		* Amount Pulled
12 1/4"	9 5/8" / H-40	32.3#	0		234'	n/a		106sx-Pre-mix	29bbl		1bbl
8 3/4"	7" / J -55	23#	0		4733'		/a	762sx-Premuim Lite	283ыы		32bbls
6 1/4"	4 1/2" / L-80	11.6#	0		8641'	n	/a	649sx-Premuim Lite	195bb	s TOC @ 32	70' n/a
						1					
24 Tubing Reco	Depth Set (M	1D) Pac	ker Depth (MD)	Sı	re l r	Pepth Set (MD	<u>a </u>	Packer Depth (MD)	Size	Depth Set (M	1D) Packer Depth (MD)
2 3/8"	8565'	, , , , ,	n/a			-F					
25 Producing In			1			Perforation Re	•	. d T		No Molec	P6 C
A)	Formation Dakota		Top 8542'	Bott 863				ed Interval SPF	Size	No Holes	Perf Status open
B)	Dakota		8630'	863				SPF	.34"	9	open
C)											
D)	re, Treatment, C	ement Saucez	e etc	l						<u> </u>	
Zi Acid, Hacid	Depth Interval	emem oqueez	1					Amount and Type of Materi	ai		
	05421 06241				HCL. Frac'd v	v/ 44,436gals	70% foam	Slickwater pad w/ 40,618#	of 20/40 Arizona	sand. Pumped 130b	bls of fluid flush. Total
	8542' - 8634'		N2:2,678,00	OSCE.							

28 Production -	· Interval A										
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravit		Product	ion Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity			
05/24/12 GRC	5/30/2012	1hr.		n/a /boph	24 /mcf/h	1/bwph	n/	a n/a		FLO	OWING
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil	Well Status	<u> </u>		
Size	Flwg	Press	Rate	BBL	MCF _	BBL	Ratio			_	
1/2"	SI-782psi	SI-677psi		n/a/bopd	573 /mcf/d	31/bwpd	n	'a		SHUT IN	
28a Production		,	<u>'</u>						,		
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravii	*	Product	ion Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr API	Gravity		PCUD TIM	20112
										RCYD JUN MI CHWS	
Choke	Tbg Press	Csg	24 Hr	· Oil ·	Gas	Water	Gas/Oil	Well Status		DIST.	5
Size	Flwg SI	Press	Rate	BBL	MCF	BBL	Ratio				

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

JUN 1 5 2012

FARMINGTON FIELD OFFICE
BY_TL_Solvers_

28b Production	- Interval C								<u>.</u>		
Date First	ate First Test Date Hours Test C		Oil	Gas	Water	Oil Gravity	Gas	Production Method			
Produced To		Tested	Production	BBL	MCF	BBL	Corr API	Gravity			
Choke	Tbg Press	Con	24 Hr	Oil	Gás	Water	Gas/Oıl	Well Status	<u> </u>		
Size	Flwg	Csg Press	Rate	BBL	MCF	BBL	Ratio	wen status			
5120	SI	11033	i	I DEE	IVICI	DDL	Rano	1			
		1									
28c Production		_									
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	•	
Produced	Į	Tested	Production	BBL	MCF	BBL	Corr API	Gravity	}		
						-					
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oıl	Well Status	_l		
Sıze	Flwg	Press	Rate	BBL	MCF	BBL	Ratio				
	SI					j	1				
30 5	66 611	16 6 1						1			
29 Disposition	of Gas (Solid, use	a for fuel,	ventea, etc)								
						то в	E SOLD				
30 Summary of Porous Zones (Include Aquifers)								31. Formation	on (Log) Markers		
•	•	•	,						· · · · · · · · · · · · · · · · · · ·		
•	ortant zones of por	-					st,				
	th interval tested,	cushion us	ed, time tool ope	n, flowing ar	nd shut-ın pr	essures and					
recoveries.											
										Тор	
Formation	Formation Top Bottom			İ	Descrip	tions, Conte	ents, etc		Name	Meas Deptl	1
							<u> </u>		Wieds Depti		
Ojo Alam	Mamo 3646' 3948' White, cr-gr ss				s		Ojo Alamo	3646'			
Kırltand	394	8'	4087'	Gry sh interbedded w/tight, gry, fine-gr ss				ł	Kırltand	3948'	
Fruitland	1 408	7'	4293'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss					Fruitland	4087'	
Pictured Cl	ıffs 429	3'	4475'	Bn-Gry, fine gm, tight iss					Pictured Cliffs	4293'	
Lewis	447	5'	n/a	Shale w/ siltstone stingers					Lewis	4475'	
Huerfanito Be	ntonite n/a	a	5266'	White, waxy chalky bentonite				İ	Huerfanito Bentonite	n/a	
Chacra	526	66'	5890'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale					Chacra	5266'	
Mesa Ver	de 589	0'	6138'		Light gry, me	ed-fine gr ss, c	earb sh & coal		Mesa Verde	5890'	
Menefee	613	8'	6505',		Med-dark gr	y, fine gr ss, c	arb sh & coal		Menefee	6138'	
				Med-light gr	ry, very fine gr	r ss w/ frequen	it sh breaks in lower part o	of			
Point Look	l l		7013'			formation			Point Lookout	6505',	
Mancos	701	.3'	7630'			Oark gry carb s			Mancos	7013'	
Gallup	763	in'	8420'	Lt gry to b		nicac gluac silt: reg_interbed s	s & very fine gry gry ss w	'	Gallup	7630'	
Greenhoi	ł		8490'	1		alc gry sh w/ t			Greenhorn	8420'	
Granero		1	8539'			fossil & carb			Graneros	8490'	
				Lt to dark g	ry foss carb sl	calc sl sitty ss	w/ pyrite incl thin sh band	is			
Dakota		19'	8645'	1 .		ly Y shale brea			Dakota	8539'	
Morrison 32 Additional		luggang pr	andura)	Interb	oed grn, brn &	red waxy sh &	& fine to coard grn ss		Morrison		
32 Additional	remarks (ınclude p	iugging pr	•	is a Rlanca l	Macayarda	& Racin Da	ıkota commingle well	under DHC2	931.4.7		
			11113	is a Dianco	MESAVEIUC	CC Dasin Da	ikota commingie wen	unuci Diicz	Jane.		
									•		
33 Indicate wh	nch items have bee	en attached	by placing a ch	eck in the app	propriate bo	xes		_		***************************************	
—							F-1				. •
[X] Electrica	l/Mechanical Logs	(I full set	req'd)	A	☐ Geo	logic Report	t . LJDS	T Report	Directional Surv	ey	
Conda N	lotice for plugging	and cemer	nt verification	Į/	Con	e Analysis	Oti	her			
	——————————————————————————————————————	- I -				- A LII AI S					
34 I hereby ce	rtify that the foreg	oing and at	tached informati	on is comple	ete and corre	ct as determ	ined from all available	records (see a	ttached instructions)*		
		- [4]	į.	1	$\overline{}$	V /	")	•			
Name	Name (please print) Marie E Jaratullo () Title Staff Regulatory Tech										_ ·

Title 18 U S C Section 1001 and Title 43 U S C Section 12 2, make it a rime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Continued on page 3)

(Form 3160-4, page 2)

Date

5/10/2012

Signature

A

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 Serial No SF-080672				
la Type of Well		Oil Well	X Gas We		Dry	Other				6 If Indian, Allotte				
b Type of Com	<u> </u>	New Well	Work C			Plug B	l. 🔲	thice n		•		N - M.J.		
o Type of Com	pietion	New Well	☐ work C	ver	Deepen	L Prug B	ack	ĭi'''ī	^{Resyr} 2012		M- 78408			
		Other					•	'' 1	# 7017	7. Unit or CA Agreement Name and No SAN JUAN 27-4 UNIT				
2 Name of Oper		_								8 Lease Name and Well No				
2 Name of Oper	atoi	р.	rlington Po	cources (Oil & Cae C	Sampany	reau of	Lanc	i Management i		N JUAN 27-4 L	INIT 22A		
3 Address		DU	mington Ke	Sources	20 Phone No	Ompany Onclude area	Code in it	TOIL	Field Office	9 API Well No	1 JUAN 27-4 C	JINIT ZZA		
	3 Dov 4200 E				3a Phone No	(505) 326 -9			9 Ari weli No	30-039-3048	20		
PO Box 4289, Farmington, NM 87499 (505) 326-9700 4 Location of Well (Report location clearly and in accordance with Federal requirements)*											or Exploratory	30-01CX		
											BLANCO M	V		
At surface UNIT F (SE/NW), 1490' FNL & 2035' FWL											, on Block and	<u>'</u>		
The surface			OI1.	III (SEAVIV), 1490 FILE	x 2000 F W L	,			Survey or Are				
										bulley of The	SEC: 14, T27N	I. R04W		
At top prod. I	nterval reported l	nelow		T	NIT D (NW/N	W). 759' FNI	L& 835' FV	VI.		12 County or Pari		13 State		
····top prod ·		,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				,		15 Dillie		
At total depth	Ì			UNIT D (NW	//NW), 759' FN	IL & 835' FW	٧L			Rio A	Arriba	New Mexico		
14 Date Spudde		15 Dat	e T D Reached		16 Date Co					17 Elevations (DI				
	28/2011	1.	10/4/201	1		D&A	X Read	y to Pr	od 5/21/2012 GRC	`	7128'			
18 Total Depth		864	5' 10 1	lug Back T D	<u>, </u>	MD	8639'		20 Depth Bridge Plug Se		MD			
10 10tal Depth	TVD	836		lug Dack I L	,	TVD	8359'	آ ا	o Depin Dridge Flag oc	•	TVD			
21 T Fl				. C I. \		110	0000		22 Was well cored?			/ (C.1 - (1)		
21 Type Electr	c & Other Mecha	inicai Logs Ku									==	res (Submit analysis)		
			GR/CCL/	CBL					Was DST run?		X No Y	res (Submit report)		
								ł	Directional Survey?		No X Y	es (Submit copy)		
23 Casing and I	iner Record (Rep	ort all strings	set in well)			,								
Hole Size	Size/Grade	11/4 (#/0	Top (M	D) B	Pattor (MD)	Stage C	Cementer	-	No of Sks &	Slurry Vol	Comment to mit	A Dullad		
Hole Size	Size/Grade	Wt (#/ft) Top (M	" "	Bottom (MD)	De	epth		Type of Cement	(BBL)	Cement top*	Amount Pulled		
12 1/4"	9 5/8" / H-40	32.3#	0		234'	r	ı/a		106sv-Pre-mix	29bbls	Surface	1bbl		
8 3/4"	7" / J-55	23#	0		4733'	Г	1/a		762sx-Premuim Lite	283bbls	Surface	32bbls		
6 1/4"	4 1/2" / L-80	11.6#	0		8641'	r	ı/a		649sx-Premuim Lite	195bbls	TOC @ 3270'	n/a		
												<u> </u>		
]	L									L	<u> </u>		
24 Tubing Reco				_,										
Size	Depth Set (M	D) Pac	ker Depth (MD)	Siz	ze [Depth Set (ME	<u>)</u>	Pa	acker Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)		
2 3/8"	8565'	l	n/a								<u> </u>	L		
25 Producing In				T 5.		Perforation Re		, , , , , , , , , , , , , , , , , , , 	·		· ·	7 (()		
-A)	Formation	LME	Top		tom Perforated Interval 06' 1SPF					.34"	No Holes	Perf Status		
A) B)	Point Lookout / Cliffhouse / U		6286' 5984'	680			18			.34"	24	open		
D)	Cirinouse / U	NI F	3984	622	-		13	r r		.54	22	open		
C) D)					—— 									
	ire, Treatment, Ce	ment Saucea	ota.											
Zi Acid, Fracit	Depth Interval	ment Squeeze	1					Amou	nt and Type of Material					
	Depail interval		Start w/ 2%	KCL water	Acidiza w/ 10b	bls of 15% H				foam pad w/ 101 9	58# of 20/40 Arizo	na sand. Pumped 97bbls		
	6286' - 6806'	-		Total N2:1		DIS 01 15 70 11	CDITING	.,, 0,,	Songais 1070 Blickwater	ioniii pau iii 101,>	55# 61 20/40 At 120	aa sana. I umpeu > 10013		
						v/36,372gals	70% N2 SI	ckwat	er foam pad w/ 99,983#	of 20/40 Arizona s	and. Pumped 88bbl	s of foam flush. Total		
	5984' - 6228'		N2:1,514,000	SCF.										
								_						
28 Production	Interval A													
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	,	Gas	Production N	Method			
Produced		Tested	Production	BBL	MCF	BBL	Corr API		Gravity					
/	ĺ		W 1 122				1							
05/21/12 GRC	5/24/2012	1hr.		n/a /boph	49 /mcf/h	3 /bwph	n/a	1	n/a		FLOWI	NG		
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oıl		Well Status					
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio		1					
* 10.00	CI TOT	61	WATER STATE OF THE PARTY OF THE						1		XI 27 10:			
282 Production	SI-782psi	SI-677psi		n/a/bopd	1,176/mcf/d	65 / bwpd	n/a	<u>'</u>		SI	IUT IN			
Date First	Test Date	Hours	Tost	Oil -	Gas	Water	Oil Gravity		Gas	Production N	fethad			
Produced	1 cor Date	Tested	Test Production	BBL	MCF	BBL	Corr API		Gravity	Froduction N	acmou			
11004CEG	Į.	1 coleu		DDL.	wic r	BBL	Con API		Giavity .	ı				
	I			}		1	1		1	1				
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil		Well Status		mater were made.	A. 1-3 #%		
Size	Flwg	Press	Rate	BBL	MCF	BBL	Ratio		., ., ., ., ., .,			!:		
	SI	"				I	1		I		il cuid. L	sat. La v		
	1	1		I	1	I	1		1		STATE S			

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

ACCEPTED FOR RECORD

JUN 1 5 2012

FARMINGTON FIELD OFFICE

BY TL Solvers

Date First	n - Interval C						· •					
roduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cort API	Gas Gravity	Production Method			
Choke lize	Tbg Press Flwg. SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratıo	Well Status				
8c Production	n - Interval D		<u> </u>	_L				L	· · <u></u>			
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Gas Production Method			
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity				
Choke	Tbg Press Flwg SI	Csg Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratıo	Well Status				
9 Disposition	n of Gas (Solid, u	sed for fuel, 1	vented, etc)	<u> </u>		<u> </u>	····	1		<u>`</u>		
A Summery o	of Porous Zones (Inaluda A au	form)			то ве	SOLD	31 Formati	on (Log) Markers			
-	portant zones of p	-					t,					
	1	-		1	***				·	Тор		
Formatio	on T	Гор	Bottom	Descriptions, Contents, etc.					Name	Meas Depth		
Ojo Alam	no 3	646'	3948'	White, cr-gr ss					Ojo Alamo	3646'		
Kırltand	d 3	948'	4087'		Gry sh interbe	dded w/tight, g	gry, fine-gr ss		Kırltand	3948'		
Fruitland	d 4	087'	4293'	Dk gry-gry	carb sh, coal,	grn sılts, lıght-	med gry, tight, fine gr ss		Frutland	4087'		
Pictured Cl	cliffs 4	293'	4475'		Bn-G	ry, fine grn, tıg	ht ss	ł	Pictured Cliffs 4293'			
Lewis	1	475'	n/a			w/ siltstone st	_		Lewis 4475'			
Huerfanito Be	entonite	n/a	5266′	ĺ	White, v	waxy chalky be	entonite		Huerfanito Bentonite	n/a		
Chacra	a 5	266'	5890'	Gry f	n grn silty, gla	uconitic sd sto	ne w/ drk gry shale	Chacra 5266'				
Mass W.	rđe 5	890'	6138'		Light gry, me	d-fine gr ss, c	arb sh & coal	Mesa Verde 5890				
Mesa Ver	e 6	138'	6505',		Med-dark gr	y, fine gr ss, ca	arb sh & coal		Menefee	6138'		
Menefee	l l	505'	7013'	Med-light gr	y, very fine gr	ss w/ frequent formation	sh breaks in lower part of	f	Point Lookout	6505',		
Menefee	kout 6		.015		D		n		Mancos	7013'		
	ŀ	505', 013'	7630'	Dark gry carb sh Lt gry to brn calc carb micac gluac silts & very fine gry gry ss w/								
Menefect Point Look Manços	s 7	013'		Lt gry to b					7630'			
Menefect Point Look Mancos Gallup	os 7	013' 630'	8420'	Lt gry to b	ir	reg interbed s			Gallup			
Menefed Point Look Manços Gallup Greenho	эs 7 Э - 7 энн 8	013' 630' 420'	8420' 8490'	Lt gry to b	ır. Highly c	reg interbed s alc gry sh w/ t	hin Imst		Greenhorn	8420'		
Menefee Point Look Mancos Gallup Greenhor Granero	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	013' 630' 420' 490'	8420' 8490' 8539'		Highly c Dk gry shale, ry foss carb sl	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss	hin Imst w/ pyrite incl w/ pyrite incl thin sh band	s	Greenhorn Graneros	8420' 8490'		
Menefee Point Look Mancos Gallup Greenho Granero Dakota	os	013' 630' 420'	8420' 8490'	Lt to dark g	Highly c Dk gry shale, ry foss carb sl cl	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss y Y shale brea	hin Imst w/ pyrite incl w/ pyrite incl thin sh band ks	s	Greenhorn Graneros Dakota	8420'		
Menefee Point Look Mancos Gallup Greenho Granero Dakota Morriso	os	013' 630' 420' 490'	8420' 8490' 8539' 8645'	Lt to dark g	Highly c Dk gry shale, ry foss carb sl cl	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss y Y shale brea	hin Imst w/ pyrite incl w/ pyrite incl thin sh band	s	Greenhorn Graneros	8420' 8490'		
Menefee Point Look Mancos Gallup Greenho Granero Dakota Morriso	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	013' 630' 420' 490'	8420' 8490' 8539' 8645'	Lt to dark g	Highly c Dk gry shale, ry foss carb sl cl ded grn, brn &	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss y Y shale brea red waxy sh &	hin Imst w/ pyrite incl w/ pyrite incl thin sh band ks		Greenhorn Graneros Dakota Morrison	8420' 8490'		
Menefee Point Look Mancos Gallup Greenho Granero Dakota Morriso	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	013' 630' 420' 490'	8420' 8490' 8539' 8645'	Lt to dark g	Highly c Dk gry shale, ry foss carb sl cl ded grn, brn &	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss y Y shale brea red waxy sh &	hin Imst w/ pyrite incl w/ pyrite incl thin sh band ks : fine to coard grn ss		Greenhorn Graneros Dakota Morrison	8420' 8490'		
Menefee Point Look Mancos Gallup Greenho Granero Dakota Morriso	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	013' 630' 420' 490'	8420' 8490' 8539' 8645'	Lt to dark g	Highly c Dk gry shale, ry foss carb sl cl ded grn, brn &	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss y Y shale brea red waxy sh &	hin Imst w/ pyrite incl w/ pyrite incl thin sh band ks : fine to coard grn ss		Greenhorn Graneros Dakota Morrison	8420' 8490'		
Menefee Point Look Mancos Gallup Greenho Granero Dakota Morriso	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	013' 630' 420' 490'	8420' 8490' 8539' 8645'	Lt to dark g	Highly c Dk gry shale, ry foss carb sl cl ded grn, brn &	reg interbed s alc gry sh w/ t fossil & carb calc sl sitty ss y Y shale brea red waxy sh &	hin Imst w/ pyrite incl w/ pyrite incl thin sh band ks : fine to coard grn ss		Greenhorn Graneros Dakota Morrison	8420' 8490'		

33 Indicate which items have been attac	hed by placing a check in the ap	propriate boxes		
X Electrical/Mechanical Logs (1 full	set req'd)	Geologic Report	DST Report	Directional Survey
Sundry Notice for plugging and ce	ment verification	Core Analysis	Other;	
34. I hereby certify that the foregoing an	d affached information is comple	te and correct as determined	I from all available records (see	e attached instructions)*
Name (please print)	Marie E Faran	nuo /	Title	Staff Regulatory Tech
Signature	WWYG	WUXV	Date	5/10/2012
	V	V		
Title 18 U S C Section 1001 and Title 4 false, fictitious or fraudulent statements of	· · · · · · · · · · · · · · · · · · ·	1	ingly and willfully to make to a	ny department or agency of the United States any

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