FORM 3160-4

( April 2004)

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

FORM APPROVED OMB NO. 1004-0137

WELL COMPLETION OR RECOMPLETION REPORT AND 100 4 201

Expires: March 31, 2007 5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 110

la. Typc of Well	Oil	Well x	Gas Well	Dry		Other	Péin Cultu	full 1	alk!	C Clini	india	N ALLOTT	EE OR TRIBI	NAME	
b. Type of Completi	ion x	New Well	Workover		Deeper		Plug Back		Diff. R	esvr.			a Apache		
		Other					!			_					
							DIV DIS	7. 3							
2. Name of Operator		,		O	$I\Gamma CC$	)N2.	שוען ד			} '	s. FARM	OR LEASE	ENAME		
EnerVest Oper	rating, L.L.(	<i>)</i> .				. ~ . 1	a 5 2010	t				,.	*** * #*		
3. Address					-	A\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	hone No. (inclus	de area coo	de)		API W		rilla A #1	M	
1001	Fannin Stre	et Ste. 800	, Houston, T	x 77002			713-	659-35	00			30-	-039-3117	<sup>12</sup> -0	oc.\
<ol> <li>Location of Well</li> </ol>	(Report location	clearly and in ac	cordance with Fed	eral require	ments)*						IO. FIEL				
At surface		1807' FSL	& 2527' FW	L, Sec	18, T26	6N, R05	sw (uˈL K)				11. SEC.		R BLOCK AN		EY
At top prod. Interval r	At top prod. Interval reported below												ec 18, T2		
												UNTY OR P	ARISH	13. ST	ATE
At total depth	At total depth Same (vertical well)											Rio Arri	ba		NM ·
14. Date Spudded	l:	5. Date T.D. Re	ached	1	6. Date	Completed	08/01/2014				17. ELE	VATIONS (I	DF, RKB, RT.	GR, etc.)	,
<b>.</b>			10.0 M * * * *	j		D&.	A x	Ready to Pr	rod.				OT	01.775	
5/11/20 18. Total Depth:	)14   MD	7615'	/20/2014 19. Plug back	T.D.:			7574		120. De	pth Bridge Pl	ug Set:	6616'	GL; 662	9' KB	
	TVD	7615'			MD TVD		7,574 7574			,	-3	TVD			
21. Type El	ectric & othe	r Logs Run (	Submit a copy	of each)					22. W	as well cored	,	x No	Yes	(Submit a	natysis)
		GR/CC	CL/CBL and	GR/RM	T			1	11/	oc DCT cur?		x No		(Submit m	
	Was D														
									Di	irectional Sur	vey?	∐No	XYes	(Submit c	ору)
23. Casing :	and Liner Re		all strings set	<del></del>	Damass	(A(D)	Chana Cámant	- Doub 1	No of Cha	8. T f	Cluss 1	/ol. (Bbl)	Cement To		Amount Pulled
12 1/4"	8 5/8" J-55	Wt. (#)										bbls	Surf (cir	_	unount runcu
7 7/8"	4 1/2" N-8	0 11.6	# 0		76	7615' 2532'/4432' 1227 sx Typ				Type III lt	338	bbls	Surf (cir	c)	
-		-					1 .								
		_			· · · · · · ·			<del> </del>							
	Record			T					5 1 045				C - (160)	1	D 1000
Size	Depth Set (	MD) Pac	ker Depth (MD)	· Si	ze	Depti	h Set (MD)	Packer	Depth (MD)	+ *	ize	Depth	Sct (MD)	Packe	r Depth (MD)
2 3/8" 25. Produc	7448' ing Intervals			J	-	26.	Perforation	Record				L		<u> </u>	
22. 110442	Formation		Тор	Bot	tom		Perforated Int			Size	No. c	of Holes		Perf. Stat	us
A)	Dakota				7313' - 7359'					0.40"				en, prod	
B)	Dakota			<del> </del>	7445'- 7540' 0.40					0.40"	38 Open, producing			ucing .	
C) D)			•	<u> </u>					_	-					<del></del>
	racture Treati	nent, Cemer	t Squeeze, Etc									·			
	Depth Interval	]							and Type of I						
7313' - 7359'			1000 gals 15%								<u> </u>				
7445' - 7540'			1000 gals 15%	HCI, trac	w/7159	93 # 20/	40 mesh sar	nd and 7	Sleg Euro	ZU# gei					
	tion- Interval														
Date First Produced	Test Date	Hours Test	ed Test Production	Oil Bbl	Gas MC		Water Bbi	Oil Gravit Corr. API		Gas Gravity	Pro	duction Met	hod		
7/16/2014	7/27/201			0		59	21	6. 6.		11/-P C: :	Fl	owing			
Choke Size	Tbg. Press Flwg.	Csg Pre	ss. 24 Hr. Rate	Oil Bbl	Gas MC		Water Bbl	Gas: Oil F	Catio	Well Status					
64/64	SI 170			0		157	56	<u></u>		Ready to I	roduce	A	CCEPTE	D FO	R RECORD
Date First	Test Date	Hours Tes	ted Test	Oil Bbi	Gas		Water	Oil Gravit	ty (	Gas Gravity	Pro	oduction Mc			
Produced			Production		мс	:F	Вы .	Corr. API	¹		.		AUG	04	2014
Choke Size	Tbg. Press	Csg Pro	ss. 24 Hr. Rate	Oil BЫ	Gas		Water	Gas: Oil I	Ratio	Well Status		ç			LD OFFICE
	Flwg. SI				MC	CF	Вы						AKMING!	S	an oppice
				. ــــاټــ											

28b. Produc	tion- Interval	С				1	1	1 .	ili						
Date First	Test Date			Test	Oi	l Bbl	Gas	Water	11	Oil Grav	-	Gas Gravity	Production Method		
Produced				Production		1	MCF	Вы		Corr. AF	ľ		1		
Chaba Cia	771. 0				<u> </u>	<u> </u>			1)	0 00		77.11.0	l		
Choke Size	Tbg. Press Flwg.	Csg	Press.	24 Hr. Rate	i jo	ВЫ	Gas MCF	Water Bbl	į.	Gas: Oil	Ratio	Well Status			
	St		!	_	<b>→</b>	i									
28c. Produc	tion- Interval	D			1	i						<u> </u>			
Date First	Test Date	Hour		Test	Į.	ВЫ	Gas	Water	٠.	Oil Grav	-	Gas Gravity	Production Method		
Produced		1	,	Production		ì	MCF	Вы	1	Corr. Al	4	ļ			
Choke Size	Tbg. Press	Csg	Press.	24 Hr. Rate	<u> </u>	il Bbl	Gas	Water	<del>.</del>	Gas: Oil	Ratio	Well Status	<u> </u>	······	<del></del>
CHOICE SIZE	Flwg.	Cag	11035.	24 III. Nan	٦	, DU	MCF	Bbi	11	J	rano	Well Status			
	SI		:	-		ţ									
29. Dispositio	n of Gas (So	d, used	for fuel,	vented,	etc.)	-	!					•			
Gas sold wit	h "Test Allov	vable" C	-104 us	ing greer	ı con	pletio	n.								
30. Summary	of Porous Zo	nes (inc	lude Aq	uifers):		* -	i		.'	31	. Forma	tion (Log) Marl	ters:		
								tests, including de	pth int	crval					
tested, cushion	used, time tool of	ocn, flowin	g and shut	in pressure	s and r	ccoveric	S. †								
			ě	T	<del></del>	4			ï	$\dashv$					Top.
Forma	tion	Тор	Botto	m		Desc	riptions C	ontents, Etc.	1			Name			ured Depth
0'- 11				+.	. 1		· ·			Pi	tured Cliffs			3052'	uleu Depili
Ojo Alamo	2448			sands	- 1		Ì		ę F		iffhouse			l .	
Kirtland	2683			- 1	tonc/sh	ale	i		:	1				4394'	
Fruitland	2913			coal	1		1		. 1	- I	int Lookout			5300'	
Pictured Cliffs	3052	'	,	sands	tone	4	•		;	Da	kota			7310'	
Lewis Shale	3133	,		shale			1								
Chacra	3986	•		sands	tone	i,	1		i	1					
Cliffhouse	4394			sands	tone	1	3								
Menefee	4809	•		sands	tone/sl	ale	1		:	i					
Point Lookout	5300	,		sands	tone	1	;		ı	ŀ					
Mancos	5460	,	,	shale	(regul:	itory top	5800")								
Gallup	6484			1	tone/sl	1									
Greenhorn	7225		<b>\</b>	limes	- 1				1	1				}	
Graneros	7284		Í	shale	- 1	·:	:			1					
			!	ļ	1	1									
Dakota 32. Additiona	7310		lugging	sand			· · · · · · · · · · · · · · · · · · ·							<u>.                                    </u>	
						.1 .1.1 .1.2∎									
( Dire	ectional Su	rvey ar	ia wen	iogs pr	evio	usiy :	Submitte	eu)			-				-10
<b>~</b> /~	2	~ 7	4			/		.م. ر - د ر	D	L	as h	97/0	pro	rate	1 /
	LOXL	سعت د	) vy	_ 0	٩		273				7	- / ·	pro		
						7	1								
			•		1	i	i								
	<del> </del>					<u> </u>						<del>,</del>			
33. Indicate v					cing	a chec			oxes:	-	_		·		
Electrica	al/ Mechanical Lo	gs (1 full s	et required	)	Ì	F	Gcold	ogic Report	:	L.	DST Re	port	x Directional Su	rvey	
Sundry l	Notice for pluggin	g and cem	ent verifica	tion		6- 1-	Core	Analysis		Γ	x Other:		well !	ogs	
						i .					<u></u>				
34. I hereby ce	ertify that the fo	regoing	and attac	hed infor	nation	ı is con	nplete and	correct as deter	mine	d from a	ll availabl	e records (see atta	ched instructions)	•	
						5.4			:						
Name (plea	asc print) Mi	chelle	Doesch	er		<u>}</u> •			Title	Reg	ulatory (	Consultant			
			1		1	2	,								
Signature	M	. 7	200	2.		مو	کے سر کے	2	: Date	8/4/	2014				
		e de	ب حب			- 7									
Title 18 U.S.C. Se representations as				1212, mak	e it a c	rime for	any person k	nowingly and will	fully to	make to	any departn	nent or agency of the	United States any false	e, fictitious or fr	audulent statements or
representations as	as day matter was	an ito juito				<del></del>					<del></del>				G 2160 4 20
					1	; · ·	1		:						(Form 3160-4, page 2)
						1									
					ı	1									
					- 1	14									
			•												
			,						;						
						7.4.7.7.4.4.			; ;						
			:			The second secon			; ;						
			:			The second secon									
			:			Production of Spanish and Spanish									
			:			With the Control of t									
			*			Michael Commission was a second of the commission of the commissio			*						
			* * * * * * * * * * * * * * * * * * * *			関係の使用できない。 And									
						関語の (A C T M T o A Special A C T ) 「 「 「 」 「 T 」 「 T 」 「 T 」 「 T 」 「 T 」 ・ A Special A C T 和									
						The second secon									
			And the second s			The first of the f									
			and the second s			The first of the second									
			and the second s			The Company of the Co									<b>.</b> , * .

( April 2004)

UNITED STATES

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** 

FORM APPROVED OMB NO. 1004-0137

WELL COMPLETION OR RECOMPLETION REPORT AND LOG 04 2014

Expires: March 31, 2007 LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 110

la. Type of Well	Oily	Well x	Gas Well	Dry		Other	[-	Gu b u bu			, , , , , , , , , , , , , , , , , , ,	IÀN ALLOT	TEE OR TRIB	E NAME	
••	ш			•			807	2015	Altu	- for .	ا المار				
b. Type of Comple	tion x	New Well	Workover		Decpe	n [	Plug Back		Diff	Resvr.		Jicari	lla Apache	Tribe	
											7. UNI	T AGREEM	ENT		
		Other			Oll	_CO	NS. DIV	DIS	<u> 1. 3</u>	-					
2. Name of Operato				-							8. FAF	M OR LEA	SE NAME		
EnerVest Ope	rating, L.L.C	<b>).</b>				A	JG-05	2017				r:	::11- A #1	13.4	
3. Address						3a.	Phone No. (incli	ide area o	ode)		9. API	WELL NO.	arilla A #	IM	
1001	Fannin Stre	et Ste. 800,	Houston, T	x 77002			713	-659-3	500			30	0-039-311	72-0062	
4. Location of Well	(Report location c	learly and in acc	cordance with Fea	eral requireme	nts)*						10. FII	ELD NAME			
At surface		1807' FSL	& 2527' FW	/L, Sec 18	, T2 <i>6</i>	6N, R0	5W (UL K	)		-	II. SE		OR BLOCK A		
At top prod. Interval	reported below										OR AR			6N, R05W	
At total depth Same (vertical well)												OUNTY OR	PARISH	13, STATE	
				<u> </u>								Rio Ar		NM_	
<ol><li>Date Spudded</li></ol>	15	. Date T.D. Rea	ached	16.	Date	Completed D &	1 08/01/2014	Ready to	Dan d		17. EL	EVATIONS	(DF, RKB, RT	, GR, ctc.)*	
5/11/20	014	5/	20/2014			Da	A x	ready to	riou.			6616	' GL; 662	9' KB	
18. Total Depth:	MD	7615'	19. Plug back	T.D.:	MD		7574	į'	20.	Depth Bridge	Plug Sct:	MD	,,,,,,	-	
	TVD	7615'	<u> </u>		TVD		7574	<u>'</u>				TVE	)		
21. Type E	lectric & other	•		,					22.	Was well con	cored? Yes (Submit analysis)				
		GR/CC	L/CBL and	GR/KM I						Was DST rui	ST run? X No Yes (Submit report)				
											onal Survey? No x Yes (Submit copy)				
						<del></del>				Directional 5	nvey:		<u>X</u>	(Submit copy)	
23. Casing Hole Size	and Liner Rec	ord (Report   Wt. (#/f			Bottom	(MD)	Stage Cement	er Depth	No. of S	ks. & Type of	Slurry	/ Vol. (Bbl)	Cement To	p* Amount Pulled	
12 1/4"	8 5/8" J-55	24#	0		52				<del>+</del>	Type III		4 bbls	Surf (cir		
7 7/8"	4 1/2" N-80	11.6#	# 0		761	15'	5' 2532'/4432'			1227 sx Type III lt		8 bbls	Surf (cir	c)	
		<del> </del>									+			+	
	ļ										1		<del></del>		
						-									
	Record	ID. 1 B.	D 1 (10)	6:	<del></del>		0.0.000		5 4 44	<u> [                                  </u>	o:	<del></del>	1.0.00	I n 1 n 1 am	
Size	Depth Set (M	D) Pack	er Depth (MD)	Size	$\dashv$	Dept	h Set (MD)	Раске	r Depth (MI	"	Size	Бері	h Sct (MD)	Packer Depth (MD)	
	ing Intervals		<del>-</del>	<u> </u>		26.	Perforation	Record							
	Formation		Тор	Bottom			Perforated Int	eval		Size	No.	of Holes		Perf. Status	
A)	Mesa Verde				4782' - 5141'					0.40"		70	Open, producing		
B)	Mesa Verde Mesa Verde						5179' - 5240' 5318' - 5459'			0.40"	+	44	Open, producing Open, Producing		
C) D)	Wiesa Verue		<del></del>				3316 - 34			0.40	+	45	Ορλ	on, i roddenig	
	racture Treatm	ent, Cement	Squeeze, Etc												
	Depth Interval							Amount	and Type o	f Material			4		
4782' - 5141'			000 gal 15% H							_					
5179' - 5240' 5318' - 5459'			000 gals 15% 000 gals 15%												
3310 - 3439		<del></del>		,,,,,,						5					
28. Produc	tion- Interval	Α													
Date First Produced	Test Date	Hours Tester	Test Production	Oil Bbl	Gas MCF	;	Water Bbl	Oil Grav Corr. AP	-	Gas Gravit	y Pi	roduction Mo	thod		
7/16/2014	7/27/2014	9		0		108	23					lowing			
Choke Size	Tbg. Press Flwg.	Csg Press	. 24 Hr. Rate	Oil Bbl	Gas MCF	7	Water Bbl	Gas: Oil	Ratio	Well Statu	5				
64/64	SI 170	185	<b>⊥</b> →	0	1	288	61			Ready to	Produce	·	<del>APPERTO</del>	n the erea-	
Date First	Test Date	B Hours Teste	d Test	Oil Bbl	Gas		Water	Oil Grav	itv	Gas Gravit	v IP	roduction Me		D FOR RECOR	
Produced	1.00.000		Production		MCF	:	Вы	Corr. AF						0 4 2014	
Choke Size	Tbg. Press	Csg Press	. 24 Hr. Rate	Oil Bbl	Gas		Water	Gas; Oil	Ratio	Well Statu	s				
	Flwg.				MCI	7	Вы	[				1	ARMINGT	ON FIELD OFFICE Salvers	
* See instructionsal	<u> </u>	ional data an na	ge 2)	1.			<u> </u>	1		<u> </u>			016 <u> </u>	DAIVETS	

28b. Production- Interval C															
Date First	Test Date Hours Tested		Test	Oil Bbl	Gas	,			Gas Gravity	Production Method	oduction Method				
Produced		- 1		1	Production		MCF	Bbl	Corr.	. API	ļ				
Choke Size	77. D		-			07.01		117	-	O'I P-d'-	31/-11 Co.	L			
Clioke Size	Tbg. Press Flwg.	css Csg Press. 24 H		24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas:	Oil Ratio	Well Status					
	sı				-				-						
28c. Produc	tion- Inte	rval D	-			<u> </u>							<del></del>		
Date First	Test Date		Hours	Tested	Test	Oil Bbl	Gas	Water		Gravity	Gas Gravity	Production Method			
Produced					Production		MCF	Вы	Соп	. API					
Choke Size	The Brees		C	D	24 11. Par	O'I BU	C	Water	Gasi	Oil Ratio	Well Status				
Choke Size	Tbg. Press Flwg.		Csg	Press.	24 Hr. Rate	Oil Bb!	Gas MCF	Bbl	Uas.	Oli Rano	Well Status				
	SI		Ì		-	ļ			-		ļ				
29. Disposition	on of Gas	(Sold, 1	used	for fuel	vented, etc	:.)					<del></del>		<del></del>		
Gas sold wit						•									
30. Summary						ompletion				31 Forms	ation (Log) Marl	erc.			
•			•		. ,	tervals and all di	rill etam tasts is	neludina denth i	internal	131. 101ni	ation (Log) Mair	CC13.			
					t-in pressures a		mi-siem iesis, ii	nciuunig ucpin	nuci vai						
													_		
Forma	ntion	Top	,	Botto	.m.	Descript	ions Conter	its Etc			Name		Top -		
						эсэстр	ions conto						Measured Depth		
Ojo Alamo		2448'			sandston	e				Pictured Cliffs	s		3052'		
Kirtland		2683'	Į		sandston	c/shalc				Cliffhouse			4394'		
Fruitland	1 1									Point Lookout	ı		5300'		
Pictured Cliffs	I	3052			coal	•				Dakota			7310		
		Sandstone											1310		
Lewis Shale		3133'	shale												
Chacra		3986'	I		sandston										
Cliffhouse		4394'	1		sandston	С							}		
Menefee		4809'			sandston	c/shale									
Point Lookout		5300'			sandston	c				ł					
Mancos		5460	1		shale (re	gulatory top 580	00')						Ì		
Gallup		6484	- 1		sandston	c/shale							ľ		
Greenhorn		7225'			limeston	e									
Graneros		7284'			shale										
Dakota		7310'			sandston					i					
	al remark		de ni	ngoing	procedure)					<u> </u>	··· <del>·</del>		<u> </u>		
		-	-		• ′										
( Dire	ectional	Surve	y an	id well	logs prev	iously sub	omitted)				•				
$\mathcal{O}$	_	1				1 -		_	_	1	رصہ ۱۵	'n .	- 1 am		
Tr	od.	uc	Z	700		سرس	عرسه	cen	بلمع	ay	a) 780	- Pr	oratal %		
	_	-													
												_	_		
33. Indicate	which ite	ms have	e bee	n attach	ned by placi	ng a check i	n the appro	priate boxe	s:						
Electric	al/ Mechanic	al Logs (I	l full s	et requires	d)		Geologic Re	port		DST R	eport	x Directional Su	irvey		
H		-		-		<u> </u>	룩			H		11	<b></b>		
Sundry	Notice for pl	ugging an	d ccm	ant verific	ation	L	Core Analys	is		x Other:		well l	ogs		
34 I hereby co	ertify that t	he fores	oing	and attac	hed informs	tion is comple	ete and correc	t as determin	ed fro	m all availab	le records (see atta	ched instructions)	1		
54. Thereby 00	citily that t	c rores	, o	uno attat	inca miorina	non is compic	ne and conce	t as setermin				,			
											a .				
Name (ple	ase print)	Miche	elle l	Doesch	ner			Tit	le <u>R</u>	egulatory (	Consultant				
				_	,		0								
Signature	-71	Dic	L	000	200	/sen	che	Da	te <u>8/</u>	4/2014					
Tal- 19 U.S.S.		nd 7000 40	2110	C 6:	1212			du and mille II.	to mat	n to any done	ment or appear of the	United States and false	fictitious or fraudulent etetomente -		
representations as					ı ızız, make it	a crune for any	person knowing	gry and winnully	to mak	c to any ocpanir	ment of agency of the	omico omics any faise	e, fictitious or fraudulent statements or		
			<u> </u>								<del></del>		(Form 3160-4, page 2)		
													(, o.m. 5100→, page 2)		