FORM 3160-4

(April 2004)

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED OMB NO. 1004-0137 Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FER 05 2013

Jicarilla Contract 110

																		
ta. Type of Well	Oi	il Well	X Gas V	Weii	Dry		Other	Fa	armino	ton Fi	eld D	ffice ^{INI}	DIAN ALLOT	TEE OR TRIE	BE NAME			
b. Type of Comple	etion [New V	Veli X	Workover		Deep	en	Bure	au of إ	and N	/lan ag	geme	th.	la Apache				
o. Type or compre	L		····· <u> </u>	7	1				[F	7. UN	T AGREEM		11100			
			Other		amer	nded b	ox 24	(setting d	lepth)		-	Re	port!	to Leas	e.			
2. Name of Operato						***							RM OR LEAS	·				
EnerVest Ope	rating, L.L.	.C.									-	Jicarilla A #5E						
3. Address							3а.	Phone No. (inc	lude area ce	ode)		9. API WELL NO.						
	Fannin Str						Щ	713	3-495-53	355		30-039-22583 - 0063						
At surface	1560' FSL & 1610' FEL (UL J)												Blanco Mesaverde					
AL SILIACC	Sec. 20 126N R05W												11. SEC. T, R, M., OR BLOCK AND SURVEY					
At top prod. Interval	top prod. Interval reported below													Sec. 20 T2 Parish	26N R05			
At total depth				Sa	me (ver	tical w	ell)						Rio An	iba	N	ſΜ		
14. Date Spudded	1	15. Date T	.D. Reached	l		16. Date	Complete	ed: 1/24/13				17: EI		(DF, RKB, RT	<u> </u>	-		
							D &	A x	Ready to P	rod				~-				
7/11/19		77.40	7/27/	1981 Plug back	TD:	<u> </u>		715	-CI	20 - 10-	pth Bridge	Pluo Sat		GL, 659	5' KB			
18. Total Depth:	MD TVD	749 749	'	. rug back	. 1.10	MD TVD)	745 745		20. De	µu ⊅110ge	. riug ser:	MD TVD					
21. Tyne El				nit c c==	of acal-					22. W	as well cor	ed?	X No		(Submit anal			
1 ype E	lectric & othe	er Logs R	•	nit a copy CCL/CE		,				VV	₩CII UOI		LA INU	∐¹' ^s	Commit anal	701D)		
Was DST run? X No Yes (Submit repo											(Submit repo	rt)						
								,		Dia	rectional S	iurvey?	X No	Yes	(Submit copy	·)		
23. Casing	and Liner Re	ecord (Re	port all s	trings set	in well)													
Hole Size	Size/ Grade		Vt. (#/ft.)		(MD)		n(MD) 45'	Stage Cemen	nter Depth	No. of Sks.	& Type of	Slurry	Vol. (Bbl)	Cement Top		ount Pulled		
7 7/8"	9 5/8" K-5 5 1/2" K-55/N		36# 17#	0			99'	-				+		Surf (cire				
7 7/8"	5 1/2" N-8	_	23#	+	99'		94'	 				+		5060' (CE				
														KCV	DFEB	8113		
							_								CLNS.	DIU.		
24 Tubing	Record			1				L	ŀ						Dibi.	<u></u>		
24. Tubing Size	Depth Set ((MD)	Packer Depth (MD)			ze	Dept	th Set (MD)	Packer I	Depth (MD)	T	Size	Depth	Set (MD)	Packer De	epth (MD)		
2 3/8"	7389)'						•			1		1.					
25. Produc	ing Intervals						26.	Perforation	Record									
	Formation		Top			tom		Perforated In			Size	No. of Holes			Perf. Status			
A)	Mesaverde		4695'		53	5385'		5134' - 5332'		0.40"		40		Open, producing		ng		
B) C)			+									+						
D)					<u> </u>					<u> </u>		+-						
	racture Treat	ment, Ce	ment Squ	eeze, Etc.														
	Depth Interval									nd Type of M								
4167' - 4382'		·	-	 -				t plug & sqz										
4504' - 4768'								mt plug & s ,256# 20/40				ater 9. 4	0am w/00*	1 N2 MSC	F@ 2620			
5134' - 5332'		·····	aciuiz	₩/17.0 E	2013 1370	ACL, II	40 W/00	,200# 20/40	mean Saile	- 02 440 D	ora gerw	aw, & I	оаш w/80/	.1 172 17130	. w 30.3 fc	лаш гате.		
28. Produc	tion- Interva	l A																
Date First Produced	Test Date	Hours		est	Oil Bbl	Gas MC		Water Bbl	Oil Gravity	, Ga	as Gravit	y Pi	oduction Met	nod				
1/14/2013	1/20 & 1/21	1/13	8 -		0		60.3	0				F	lowing					
Choke Size	Tbg. Press	Csg	Press. 24	Hr. Rate	Oil Bbl	Gas MC		Water Bbl	Gas: Oil R	atio	Well Statu	S						
20/64"	N/A		95		0		181	0		P	roducin	ng	0.094	نا الده الحادث لتعالى	A PARTER PA			
	tion- Interva				To:			Trui.	To: -				in state	ساسة المسائد				
Date First Produced	Test Date	Hours		est roduction	Oil Bbl	Gas MC		Water Bbl	Oil Gravity Corr. API		as Gravit	y P	oduction Met		6 201	13		
Choke Size	Tbg. Press	Csg	Press. 24	Hr. Rate	Oil Bbl	Gas		Water	Gas: Oil R	atio	Well Statu	s	يد ومدر مو					
	Flwg. SI					мс	F	Bbl					FAM:	(Οιξηίλ Δυμίλ	I FIELD	Jetilie Walab		
* See instructionsar	nd spaces for add	litional data	on page 2)			L_		MA	MOCI)			1-4 A	A 711 177 (7	M la	MINKE		
									100 100 100									

28b. Produc	ction- Inte											
Date First	Test Date		Yours Tested	Test	Оіі Вы	Gas	Water		Gravity	Gas Gravity	Production Method	
Produced				Production		MCF	Вы	Con	r. API		1	
Choke Size	Tbg. Press		Csg Press.	24 Hr. Rate	Oil Bbl	Gas	Water		; Oil Ratio	Well Status		
	Flwg.		Jag Ficas.	24 H. Kate	Oil Box	MCF	Bbl	المقا	, Ou Kauo	Wen Status		
· •	SI											
28c. Produc	ction- Inte	rval D		<u>F</u>								
Date First	Test Date		Jours Tested	Test	Oil Bbl	Gas	Water	Oil	Gravity	Gas Gravity	Production Method	
Produced	l	- 1		Production		MCF	ВЫ	Con	r. API		ļ	
	<u> </u>										<u> </u>	
Choke Size	Tbg. Press		Sg Press.	24 Hr. Rate	Oil Bbl	Gas	Water	Gas	Oil Ratio	Well Status		
	Flwg. SI					MCF	ВЫ					
			10.0		<u> </u>							
29. Disposition		,			•							
Gas sold wit	th "Test A	llowable	e" C-104 us	sing green o	ompletion							
30. Summary	of Porous	Zones (include A	quifers):					31. Form	nation (Log) Ma	rkers:	
						drill-stern tests	, including deptl	interval				
tested, cushion	used, time to	ool open, flo	owing and shu	t-in pressures a	nd recoveries.		•					
									 			7
Forma	tion	Top	Botto	m	Descrip	otions Cont	ents, Etc.		ļ	Name		Тор
												Measured Depth
Nacimiento	[0	0	1060'	sand,	shale				Menefee	•		4808'
Ojo Alamo]:	1060'	1610'	sand,	shale				Point Lo	okout		5191'
Fruitland	į.	1610'	2400'	shale					[
Kirtland		2400'	2680'	water	, sand, ga	s						
Pictured Clif		2680'	3060'		, sand, ga				ŧ			
			' I		, sanu, ga	3			l			
Lewis Shale		3060'	4695'	shale								
Cliffhouse	use 4695' 4808' sand											
Menefee	4808' 5191' sand, shale, water											
Point Lookou	ıt :	5191'	5385'	sand								
Mancos	l:	5385'	5875'	shale					ł			
Gallup		5875"	7150	sand,	water				i			
_		7150'	7175'	shale	Willer				Į.			
Graneros	1		1/1/3									
Dakota	ľ	7175'		sand,	gas				\$			
									<u> </u>			
32. Additiona	ıl remarks	(include	plugging	procedure):								
										•		
33. Indicate v	vhich item	is have b	een attach	ed by placin	ng a check	in the appro	opriate boxe	s:				
Electrical	l/ Mechanical	Logs (1 fu	all set required)	Г	Geologic R	teport		DST R	eport	Directional Su	rvey
=		-				=			片	• •	Ш	·
Sundry N	Notice for plu	gging and c	ement verifica	ition	L	Core Analy	ysis		Other:			
24 I hougher oor	eif. that th	a faragair	ag and attack	had informat	on is sompl	ate and corre	ant on determin	and from	a all availab	lo rocarda (can atta	ached instructions)*	
34. I hereby cer	гшу шат ш	e toregon	ig and attac	пеа ппогшас	ion is compi	ete and come	eci as determi	ned from	п ан ауанао	ne records (see and	iched hish achons).	
Name (plea	se print)	Bart Tre	evino				Tit	ie Re	gulatory	Analyst		

C:							D	to 2//	4/2013			
Signature							Da	<u> 2/2</u>	1/2013			
Title 18 U.S.C. S∞	tion 1001 and	d Title 43 U	J.S.C. Section	1212, make it a	crime for any	person knowir	ngly and willfully	to make	to any depart	ment or agency of the	United States any false	, fictitious or fraudulent statements or
representations as to						****						

(Form 3160-4, page 2)

FORM 3160-4

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Field

March 31, 2007

Contract 110

·						F	armin	المان	1 1010		_{ுட்} , Jicar	illa Contra	ict 110			
la. Type of Well	Oil V	Vell X	Gas Well	Dry	o	Bure	ลน จา	Laii	<u> </u>		INDIAN ALLO	ITEE OR TRI	BE NAME	i i		
b. Type of Comp	eletion	New Well	X Worko	ver [Deepen	Plug B	nck	☐ ¹	Diff. Resvr		Jicari	lla Apach	e Tribe	· (*)		
2	other added & completed perfs in Mesaverde									,	UNIT AGREEN	IEIVI		DIST.	13	
2. Name of Opera	lor									-	FIRMADRIES	CT MAN CT		$\overline{}$	JAN 3 0 2013	
	EnerVest Operating, L.L.C.												8. FARM OR LEASE NAME Jicarilla A #5E 9. API WELL NO. 30-039-22583			
3. Address			·			3a. Phone No. (ii)	while and	-a Jal			API WELL NO.	carilla A #	SE			
	I Fannia Strae	at Cta Onn	Hauston	T., 77002		1				, ,	30-039-22583				A	
1001 Fannin Street Ste. 800, Houston, Tx 77002 . 713-495-5355 4. Location of Well (Report location elearly and in accordance with Federal requirements)*												0-039-223	83	-Ծ-		
1560 FSL & 1610 FEL (UL J) At surface Sec. 20 T26N R05W												10. FIELD NAME Blanco Mesaverde 11. SEC. T. R. M., OR BLOCK AND SURVE				
At top prod. Interva	At top prod. Interval reported below												26N R			
At total depth			. \$	Same (verti	cal well)						Rio Ar	riba		NM		
14. Date Spudded	15.	Date T.D. Re	ached	Į.	6. Date Con	npleted: 1/24/13	Ready to	Prod		17,	ELEVATIONS		GR, etc.			
7/11/1	981	7/	27/1981			van X	ready to	TOOL			6582	GL, 659	5' KB			
18. Total Depth:	MD	7494'	19. Plug bi	ick T.D.;	MD	74	56'	20	Depth B	ridge Plug S		00,000	ON CO			
	TVD	7494'	<u> </u>		TVD	74			-		TVE)				
21. Type E	Electric & other	-	Submit a co GR/CCL/C					22.	Was we	II cored?	X No	Yes	(Submit	analysis)		
		,	JR/CCL/C	.DI.					Was DS	Trun?	X No	Yes	(Submit	report)		
							•		Directio	nal Survey?	XNo	Ycs	(Submit	сору)		
23. Casing	and Liner Reco	ord (Report o	all strings s	et in well)				·								
Hole Size	Size/ Grade	Wt. (#/fi		p (MD)	Botton(MI	D) Stage Cem	ater Depth	No. of	Sks. & Ty	pe of S	lurry Vol. (BbI)	Cement To		Ansount Po	lled	
12 1/4"	9 5/8" K-55	36#)	345' 5599'							Surf (cir				
7 7/8"	5 1/2" K-55/N-80	23#		5599'								Surf (cir				
1 1/8	5 1/2" N-80	23#	- - :	1399	7494'							5060' (CI	31.)			
	 	 														
		†										_				
24. Tubing	Record		_													
- CHECK	Depth Sci (MI	Packe	r Depth (MD)	Size		Depth Set (MD)	Packer	Depth (1	/ID)	Size	Depth	Set (MD)	Packe	er Depth (M	(D)	
2 3/8"	8307"	<u> </u>					1		_			· · · · · · · · · · · · · · · · · · ·	 			
	ing Intervals			<u> </u>		6. Perforatio	n Record				J					
	Formation		Тор	Botto		Perforated i			Size		No. of Holes		Perf. Stat	tus		
Λ)	Mesaverde		4695' 53			5134' - 5		0.40"			40 Open, pro					
В)																
C)				· · · · · · · ·												
D)				., .,												
	racture Treatme	nt, Cement !	Squeeze, Et	c.			Amount a	and Type	of Materia	ď						
4167' - 4382'		cm	it sqz casini	leak; 5 bbl	balanced	cmt plug & sq				················						
4504' - 4768'	······································					d cmt plug & s					······································					
5134' - 5332'	W			-		/80,256# 20/40				elwater, à	& foam w/807	.1 N2 MSC	F @ 36.	3 foam ra	ate.	
	··········															
28. Produc	tion- Interval A		······································		***************************************					· · · · · · · · · · · · · · · · · · ·		—				
Date First	Test Date	Hours Tested	Test	Oil Bb!	Gas	Water	Oil Gravit		Gas Gr	avity	Production Meth	rod		***************************************		
Produced 1/14/2013	1/20 & 1/21/12	8	Production		MCF 60.3	Bb) 0	Corr. API		1		Elawin-					
1/14/2013 Choke Size	1/20 & 1/21/13 Tbg. Press	Csg Press.	24 Hr. Rate	Oil Bbl	Gas Gas	Water	Gas: Oil R	latio	Well S	tatus	Flowing					
				1.	MCF	вы.			1							
20/64"	N/A	95			181	0	<u> </u>		Produ	icing		 				
	tion- Interval B	11. ±	1= -	los su	la.	Inv.	Lavier		Ta		15	Plant then will be	A Park Brown E.	A-12		
Date First Produced	Test Date	Hours Tested	Test Production	Ой вы	Gas MCF	Water Bbf	Oil Gravit Corr. API		Gas Gr	avily	Production Med			mm	evji i	
Choke Size	Tby Press Flug SI	Csg Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil R	lalio	Well S	lahus	l	JAN	129) 201	3	
	L	ــــــــــــــــــــــــــــــــــــــ		· I					.1		ma p ath	D SOLA HE VE	FUME BA	Son Fa		

28b. Produc	tion- Inte	rval C													
Date First	Test Date 3		1 1		Test	Oil Bb!	Gas	Water		Gravity	Gas Gravity	Production Method			
Produced					Production		MCF	Вы	Con	r, API					
Choke Size	Tbg Press Co		s Csg Press. 24		24 Hr. Rate	Oil Bbl	Cias	Water	Gas	Oil Ratio	Well Status				
	Flug		-			ľ	MCF	Bb1							
	SI					<u> </u>	<u> </u>								
Date First	Test Date		Mayer	Touted	Test	Oil Bbl	Gas	Water	lon	C	Gas Gravity	D. A. din Maked			
Produced	Test Date H		Hours Tested		Production	OII BUI	MCF	Bbl		Gravity r. API	Uss Gravity	Production Method			
					-	[
Choke Size				Press.	24 Hr. Rate	Oil Bbl	Gas	Water	Gas	Oil Ratio	. Well Status				
٤	Flug SI	1					MCF	Вы							
29. Disposition of Gas (Sold, used for fuel, vented, etc.)															
Gas sold with "Test Allowable" C-104 using green completion															
30. Summary	of Porous	Zones	(incl	ude Ac	uifers):					31. Forma	ation (Log) Mar	kers:			
30. Summary of Porous Zones (include Aquifers): Show all important zones of porosity and contents thereoft. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shur-in pressures and recoveries.															
Tr												Тор			
Format	lion	Тор		Botto	m	Descript	ions Conte	nts, etc.			Name		Measured Depth		
Nacimiento	- 10	0	1	1060'	sand,	shale				Menefee			4808'		
Ojo Alamo	1:	1060'	l	1610'	sand,					Point Loo	kout		5191'		
Fruitland	- 1	1610'	- 1	2400'	shale										
Kirtland		2400'	- 1	2680'		sand, gas				1					
Pictured Cliff		2680'	- 1	3060'		sand, gas									
Lewis Shale	. 1.	3060'	- 1	4695' shale											
Cliffhouse		4695'	- 1	1808'	sand,	water									
Menefee	1	4808'	- 1	5191'	1 .										
Point Lookout	- 1	1000 5191'		5385	sand,	shale, wate									
Mancos	- 1	5385'	- 1	5875'	1	shale									
			- 1												
Gallup		5875"	- 1	7150	sand,	water									
Graneros		7150'	- 1'	7175'	shale										
Dakota	,	7175'			sand,	gas									
32. Additional	remarks	(include	e plu	gging p	orocedure);					<u> </u>					
33. Indicate which items have been attached by placing a check in the appropriate boxes:															
Electrical/	Electrical/ Mechanical Logs (1 full set required) Géologic Report DST Report Directional Survey														
Sundry No	Sundry Notice for plugging and central verification Core Analysis Other:														
						. t		***							
34. Thereby cert	ify that the	e foregois	ng an	d attach	ed information	on is complet	e and correct	t as determin	ed from	all available	records (see attac	:hed instructions)*			
Name (please print) Bart Trevino Title Regulatory Analyst															
Signature	Box	nita	*	/wr	t ens	or Ba	.t Tr.	u)(~ð)at	e 1/2	5/2013					
Tid- 10 H C C C		Tid. (2.1	10.0	· · · · ·	313 3	- (11° ° ° 99)						Cited Part All			
representations as to					212, make ii a	crime for any pa	ason knowing	y and willfully	io make i	to any ocpartine	in or agency of the U	nuico oraces any talse,	fictitious or fraudulent statements or		

(Form 3160-4, page 2)