Form 3160-4 (March 2012)

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

AUG 29 2013

FORM APPROVED OMB NO. 1004-0137 Expires: October 31, 2014

BUREAU OF LAND MANAGEMENT.
FAIMING ON FIELD Office
WELL COMPLETION OR RECOMPLETION REPORT AND LONG MANAGEMENT 5. Lease Serial No. Jicarilla Contract 109 Gas Well Dry Other
Work Over Deepen Plug Back Diff: Resvr., la. Type of Well Oil Well 6. If Indian, Allottee or Tribe Name b. Type of Completion: Wew Well Jicarilla Apache Tribe 7. Unit of CA Agreement Name and No. Other: 2. Name of Operator EnerVest Operating, L.L.C. Lease Name and Well No. Jicarilla B #3R 3. Address 1001 Fannin St., Suite 800 Houston, TX 77002 9. API Well No. 3a. Phone No. (include area code) 713-659-3500 30-039-31170 - 00C/ 4. Location of Well (Report location clearly and in accordance with Federal requirements)* 10. Field and Pool or Exploratory Basin Dakota 1930' FSL & 2300' FEL (UL J), Sec. 15 T26N R05W 11. Sec., T., R., M., on Block and Survey or Area Sec.15 T26N R05W At top prod. interval reported below 12. County or Parish 13. State At total depth 1921' FSL & 2013' FEL (UL J), Sec. 15 T26N R05W NM Rio Arriba 15. Date T.D. Reached 17. Elevations (DF, RKB, RT, GL)* 14. Date Spudded 16. Date Completed 08/23/2013 05/23/2013 05/30/2013 □ D & A Ready to Prod 6610' GL 18. Total Depth: MD 7710 19. Plug Back T:D.; MD 7657 20. Depth Bridge Plug Set: TVD 7681 TVD 7628' TVD ✓ No Yes (Submit analysis)
✓ No Yes (Submit report) Was well cored? 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Was DST run? GR/CCL/CBL & RMT Directional Survey? ☐ No Yes (Submit copy) 23. Casing and Liner Record (Report all strings set in well) Stage Cementer No. of Sks. & Slury Vol. Hole Size Size/Grade Wt. (#/ft.) Top (MD) Bottoni (MD) Cement Top* Amount Pulled Type of Cement Depth (BBLA 12 1/4" 9 5/8" J-55 523 225 sx Type III 56 bbis Surf (circ) 8 3/4" 3426 7 7/8" 7700 1282 sx P. Lite 462 bbls 4 1/2" N-80 11.6# O Surf (circ) RCJD SFP 3 13 (3 stages) _CONS.DIV 0151.3 Tubing Record Packer Depth (MD) Depth Set. (MD) Size Depth Set. (MD) Size Depth Set (MD) Packer Depth (MD) Size Packer Depth (MD) 2 3/8" 7572' 25. Producing Intervals Perforation Record Bottom Perforated Interval Size No. Holes Perf Status Formation Top A) Dakota 7383' TD 7384' - 7608' 0.40" 64 Open, producing 27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval Amount and Type of Material 7384' - 7419' (28 holes) 17.9 bbls 15% HCl & 42 bio-balls, frac w/83592# 20/40 sand, 2542 bbls slickwater 7471' - 7608' (36 holes) 23.8 bbls 15% HCI & 54 bio-balls, frac w/112880# 20/40 sand, 4763 bbls slickwater 28. Production - Interval A Production Method Date First Test Date Hours l'est Water Oil Gravity Gas Gas BBL MCF Produced Production BBL Corr. API Gravity Tested Flowing 08/14/13 12,47 08/22/13 2.7 189.715 12 Choke Tbg. Press. Csg. 24 Hr. Oil Water Gas/Oil Well Status Gas BBL MCF BBL. Ratio Size Rate Flwg. Press Producing 64/64" 387 psi 5.4 379.43 24.94 153 psi 28a. Production - Interval B Water Oil Gravity Production Method Date First Test Date Hours l'est Gas Gas Produced Tested Production BBL MCF BBL Corr. API Gravity Choke Tbg. Press. Csg. 24 Hr. Water Gas/Oil Well Status Gas Press. Flwg. BBL MCF BBL. Size Rate Ratio

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

ACCEPTED FOR RECORD

AUG 3 n 2013

FARMINGTON FIELD OFFICE BY William Tambokou

28b. Prod Date First Produced	Test Date	Hours Tested	Fest Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method					
Choke Size	Tbg. Press Flwg. SI	: Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		**				
	uction - Inte			<u> </u>										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method					
Choke Size	Tbg. Press. Flwg. SI	.Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status						
29. Dispos	l sition of Ga	s (Solid, us	ed for fuel, ve	nted, etc.)	<u> </u>	<u> </u>								
3as sold∶uti	lizing C-104 "	Test Allowa	ble" and "Green	Completion										
0. Sumn	Summary of Porous Zonés (Include Aquifers): 31. Formation (Log) Markers													
	ng depth int				reof: Cored int Lopen, flowing		drill-stem tests, pressures and							
Form	nation	Тор	Bottom		Descri	ptions, Conte	nts, etc.		Name N	Top Ieas, Depth				
Djo Alamo Kirtland		2480' 2830'	2830' 3053'					Cliffhouse Menefee	4828' 4878'					
ruitland Co Pictured Cli		3053' 3172'	3172' 3311'					Point Lookout Dakota	5379' 7383'					
ewis Shale 3311' 4828' 4878'														
Menefee Point Looka	ul	4878' 5379'	5379' 5879'											
Mancos (Re Sallup	egulatory)	5879' 6535'	6535' 7289'											
Greenhom Graneros		7289' 7350' 7383' 7350' 7383'												
)akota		7383'	TD		Ÿ									
2. Additi	onal remark	 ks (include	plugging proc	edure):	1				AMANDAHAN MANAGAMAN AMANA MANAGAMAN AMANA MANAGAMAN AMANA MANAGAMAN AMANA MANAGAMAN MANAGAMAN AMANA MANAGAMAN					
3R/CCL/		MT logš o	nline in NM0	OCD log (īle.									
3. Indica	te which ite	ms have be	en attached by	y placing a	check in the ap	opropriate box	res:							
☐ Elec	trical/Mecha	mical Logs	(4 full set req'o	d.)	□ G	eologic Report	☐ DST R	eport	☑ Directional Survey					
		-	and cement ver			ore Analysis		As-Drilled C-10	02 plat					
4. I heret	y certify th	at the fores	going and attac	ched inform	nation is compl	ete and correc	t as determined from	m all available red	cords (see attached instructions)*					
Na	ıme <i>(please</i>	print) Ba	rt Trevino				Title Regulator	y Analyst						
Si	gnature	4	36	and the same of th			Date 08/29/201	3						
alse, tictit	ious or frau	dulent state			as to any matt	er within its ju		and willfully to r	make to any department or agency of the Un					
Jontinuec	I on page 3)	·			1 5				(For	m 3160-4, page				

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UNITED STATES DEPARTMENT OF THE INTERIOR BURGALL OF LAND MANAGEMENT

AUG 29 2013

FORM APPROVED OMB NO. 1004-0137 Expires: October 31, 2014

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	W	ELL CO	DMPL	ETIC	N OR F	RECOMPLE	ΞTΙ	ON REP	oßî!	AND I	OG.	and f	vian:	Office agential	case S	erial No. Contract 109	l	
ta. Type of b. Type of		∐Oil IZI Nev		Z	Gas Well Vork Over	Dry Deepen		Other Plug-Back	□ Dif	T Resvr				6.1	f India	n, Allottee or	Tribe Nanie	
Other:												7. Unit or CA Agreement Name and No.						
2. Name of	Operator					:									8. Lease Mame and Well No.			
EnerVest (lìà	Phone	No live	luida av	aa caa	la)		Jicarilla B #3R 9. API Well No.			
	Houston, TX 77002 713-659-3500													30-	30-039-31170 - BOCZ			
4. Location	1930' FSL,& 2300' FEL (UL J), Sec. 15 T26N R05W														Field and Pool or Exploratory Blanco Mesaverde			
At-surface												111	Sac T	P M on B	Block and IS T26N R05W			
At top pro	At top prod. interval reported below															or Parish	13. State	
At total de	At total depth 1921' FSL & 2013' FEL (UL J), Sec. 15 T26N R05W												Rio	Rio Arriba NM		NM		
At total depth 152.7 SE & 2013 / EE (OE 3), Sec. 13 1201 No. 14. Date Spudded 15. Date T.D. Reached 05/23/2013. 05/30/2013 16. Date Completed 08/23/2013 □ D.& A ✓ Ready to Prod.													17. Elevations (DF, RKB, RT, GL)*					
18. Total De		7710'		30/20		ig Back T.D.:		7657	JD.& A					lug Set:	MD			
21. Type E		D 7681'	ical Loc	e Dun	ČŠubmiticou	ov of each)	TV	D 7628'			22. V	Was we	Il cored	? Z N	TVD	Yes (Submit	t analysis)	
GR/CCL/C	BL & RM	Т									١	Was DS	T run?	vey?	40 E	Yes (Submit Yes (Submit	t report)	
23. Casing	Size/Gr		e <i>port all</i> L:(#/ft.)	T	siset in wet op (MD)	Bottom (MI	D)	Stage Co	menter	No.	of Sks	s. &	Sli	any Vol.	Con	nent Top*	Amount Pulled	
12 1/4"	9 5/8" J			0		523'		Dep	oth	225 s	of Cer		56 bl	(BBL)	Surf		Attious Lanca	
8 3/4"	3.5/6, 3-	33 30	<u></u>	0		3426'				220 8	к туре	3 111	30 01	715	Juli	(Circ)	······································	
7 7/8"	4 1/2" N	-80 11	.6#	0		7700'				1282	x P. Lite 462 bbls			obls	Surf (circ)			
						(3 stages)					KC\ND 2FL 3 , TA							
	 			ļ		 							ļ		ļ	UII	<u>COMS.DIV.</u> DIST.J	
24. Tubing	Record			<u></u>		<u>. L</u>				<u></u>			L	·	<u> </u>		Land 1. Car	
Size 2 3/8"		Set (MD)	Pack	er Dept	h (MD)	Size		Depth Se	1 (MD)	Packer	Depth ((MD)		Siže	Dej	oth Set (MD)	Packer-Depth (MD)	
25. Prodúci								26. Pcr	foration	Record		I					<u></u>	
A) Mesave	Formatio	n	1	T' 828'	ор	Bottom 5879'			orated In	terval					No. Holes Perf. Status Open, producing		Perf. Status	
B)	erue	·····		020		5879' 4908' - 5529'						0.40" {			32 Open, producing			
C)						<u> </u>		-										
D)				***************************************														
27. Acid, Fr	racture, Trea		ment Sc	ueeze,	etc.					Amount	and Ty	ne of l	Materia	1			, mr m	
4908' - 528			3	.7 bb	ls 15% H	Cl & 63 bio-bi	alls,	frac w/15							d 120	3.4 mscf N2	······································	
5360' - 55	29' (42 ho	les)	28	3.7 bb	ls 15% Ḥ(Cl & 63 bio-ba	alls,	frac w/15	52510#	20/40 s	and,	1057	bbls g	elwater, a	nd 118	33.4 mscf N	2	
	· · · · · · · · · · · · · · · · · · ·	,			·													
28. Producti									·			· · · · · · · · · · · · · · · · · · ·						
Date First Produced	Test Date	Hours Tested	Test Produ		Oil BBL	Gas MCF	Wa BB		Oil Grav Corr. Al		Ga Gr	s avity	P	roduction M	lethod			
	08/22/13		_	>	2.3	241.45	1	5.53						lowing				
	Tbg. Press. Flwg.	Csg. Press.	24 Hr Rate		Oil BBL	Gas MCF	Wa BB		Gas/Oil Ratio		We	Well Status			••••••••••	***************************************	<u> </u>	
64/64" St 387 psi 153 psi							3.06	Producing			ng							
28a. Produc Date First		/al B Hours	Γest		Oil	Gas	Wa	ter	Oil Grav	/its/	И.	e :	ln.	roduction N	fathed			
Produced	i esi Date	Tested	Produ		BBL	MCF	BB		Corr. Al		Gra	Gas Product Gravity		roduction iv	Domes			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr Rate		Oil BBL	Gas MCF	Wa BB		Gaș/Oil Ratio			us 1						

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

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FARMINGTON FIELD OFFICE BY William Tambelkon

28b. Production - Interval C																	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	·								
	uction - Inte																
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status									
29. Dispos	L sition of Gas	Solid, use	ed for fuel, ve	nted, etc.)	1	<u> </u>											
Gas sold uti	lizina C-104 *	Test Allowah	le" and "Green	Completion*													
	Gas sold utilizing C-104 "Test Allowable" and "Green Completion" 30. Summary of Porous Zones (Include Aquifers): 31. Formation (Log) Markers																
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.																	
										Тор							
Forn	nation	Тор	Bottom		Descrip	tions, Contents	s, etc.		Name	Meas. Depth							
Ojo Alamo Kirtland										4828' 4878'							
Fruitland Co Pictured Clif		3053' 3172'	3172' 3311'					Point Lookout Dakota		5379' 7383'							
Lewis Shale Cliffhouse		3311' 4828'	4828' 4878'														
Menefee Point Looko	ut	4878' 5379'	5379' 5879'														
Mancos (Re Gallup	egulatory)	.5879' 6535'	6535' 7289'														
Greenhom Graneros		7289 7350	7350' 7383'														
Dakota		7383'	TD		Ť												
32. Additi	onal remark	l s (include	l plugging proc	edure):	<u> </u>	<u> </u>		1									
GR/CCL/CBL & RMT logs online in NMOCD log file.																	
						et											
33. Indicate which items have been attached by placing a check in the appropriate boxes:																	
☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey ☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other: As-Drilled C-102 plat																	
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*																	
Name (please print) Bart Trevino Title Regulatory Analyst																	
Signature Date 08/29/2013																	
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.																	

(Form 3160-4, page 2)

(Continued on page 3) . . .

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