District J 1625 N. French Dr.: Hobbs: NM 58240 Phone: (575) 393-6161 Fax: (575) 393-0720 Distingt H 811.8. First St., Artiesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-0720 <u>District H</u> 1000 Rio B. azus Road. Aztee: NM 87410 Phone. (505) 134-6178 Fax: (505) 334-6170			State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr.						Form C-10 Revised December 16, 201 Permit	
hstrict IV 220.5 Sr. Francis Dr hone (50°) 476-3400										
API	PLICA		Operator Name	and Address	RILL, RE-I	ENTER, DE	EPEN, PLUG	BACK, O	R ADD A ZON	
		1 1(H	Enervest Opera 201 Fannin Stro ouston, Texas	ting, L.L.C. eet, Suite 800 77002-6707			143199 API Number 30-025-29564			
* Property Code			Property Name Pyro ABK State					* Well No 2		
		<u> </u>			⁷ Surface	Location				
UL-Lot S C	Section 33	Township 13S	Range 33E	Lot Idn C	Feet from 660	∿/S Line North	Feet From 2310	E/W Line West	County , Lea	
					⁸ Pool Inf	ormation				
Current C	ompleti	on: Lazy	J Upper-Penn			ne: South Bai Il Informati	um-Wolfcamp Poo	l (4967)		
Work Type			¹⁶ Well Type O		¹ Cable/Rotary R			¹³ Ground Level Elevation 4247 ³		
¹ Maluple N			¹⁵ Proposed Depth 0.110' (Curren	th ¹⁶ Forman			¹⁷ Contractor		[™] Spud Date	
Depth to Ground	water	105	Dist		t fresh water well			o nearest surface	e waler	
		, 		¹⁹ Propose	ed Casing a	nd Cement	Program			
Гуре	Hole		Casing Size	Casing W		Setting Depth	Sacks of C		Estimated TOC	
Surface	17		13 3/8"	61#		450'	450		Surface	
ntermediate	11		8 5/8"	32#		4,205`	· 180		· Surface	
Production	77,	/8"	5 1/2**	17 &	17 & 20' 10,110		117	0	7,114' (CBL)	
	<u> </u>	l	Ca	 sing/Ceme	nt Program	: Additiona	l Comments			
				J Upper-Penn	Pool and comple	ete the well in the		amp Pool (See	attached procedure)	
				Proposed	l Blowout P	revention P	rogram			
Гуре				Working Pressure		Fest Pressure		Manufactmer		
Ram				3000 psi 3000 psi 3000 psi Permit Expires 2 Years Fro			0 psi	Cameron		

of my knowledge and behef. I further cettify that the drilling pit will be constructed according to	OIL CONSERVATION DIVISION Approved By			
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .				
Signature David Catand	1 Cherry			
Printed name David Catanach	Title PETROLEUM:ENGINESE			
Title: Agent-Enervest Operating, L.L.C	Approved Date Expiration Date			
E-mail Address dreatanach@netscape.com	JUL 26 2012			
Date 7/24/12 Phone (505) 690-9453	Conditions of Approval Attached			

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Pyro ABK State No. 2 Attachment to C-101 dated 7/20/2012 Perforate Additional Cisco Interval & Complete Wolfcamp Formation

Lea County, New Mexico 6/8/2012

Well Data:

Location:	660' FNL & 2310' FWL (C) Section 33, T-13S, R-33E			
GL:	5,247.5'			
TD:	10,110			
Surface Casing:	13 3/8" 61# J-55 @ 450" Cmt. w/450 sx. (Circulated to Surface)			
Intermediate Casing:	8 5/8" 32# J-55 @ 4,205' Cmt. w/1800 sx. (Circulated to Surface)			
Production Casing:	5 ¹ / ₂ " @ 10,110' 82 jts 20# N-80 93 jts 17# J-55 72 jts 17# N-80 Cmt. w/1170 sx. (TOC @ 7,114' by CBL)			
Current PBTD:	10,042'			
Current Perforations:	9,718-9,720', 9,792'-9,796', 9,818'-9,822', 9,843'-9,848' 9.878'-9,884', 9,940'-9,950', 10,013'-10,019', 10,022'-10,030'			

Procedure:

- 1. Clean Location; Test anchors.
- 2. MIRU workover unit
- 3. If necessary, kill well with 2% KCl... keep kill truck on location as needed

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4. POOH w/rods and pump; carefully inspect for any buildup and/or rod damage; LD and send to Loco Hills yard.

- 5. NDWH, NUBOP and test
- 6. Unseat TAC and POOH with tubing
- 7. LD all polylined tubing (should be bottom 55 jts.)
- 8. MIRU wireline. RIH w/perf guns and perforate additional pay in the Cisco formation as follows:

9,732'-9,738', 9,742'-9,749', 9760'-9,770', 9,852'-9,858', 9,903'-9,912', 9,974'-10,004'

- 9. POOH w/guns and RD wireline. Verify that guns fired.
- 10. RU pump truck. Acidize perfs according to service company recommendation
- 11. RU wirline. RIH and set RBP @ 9,500'. Perforate Wolfcamp formation as follows:

8,998'-9,024', 9,074'-9,088', 9,108'-9,120'

- 12. POOH w/guns and RD wireline. Verify that guns fired
- 13. RU frac crew and NU frac valve. Frac as per service company recommendation
- 14. RDMO frac crew
- 15. RIH catch RBP, unseat and POOH, RDMO wireline
- 16. ND frac valve, PU production tubing (will require extra 55 jts.) and jetpump BHA along with production packer
- 17. Set packer at desired depth
- 18. NDBOP, NUWH and start-up jet-pump

Application will be filed to downhole commingle the Lazy J Upper-Penn and South Baum-Wolfcamp Pool.

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised July 16, 2010 Submit one copy to appropriate District Office

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

······										
A	PI Number		100	I Code	Pool Name					
30-025-29564			4967		South Baum-Wolfcamp Pool					
Propert	Property Code				Property Name		Well Number			
				ł	. 2					
OCRI	D No.			Elevation						
143	143199		Enervest Operating, L.L.C.					4,247' Gr		
Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
C	33	13 South	33 East		660	North	2310	West	Lea	
Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre	Dedicated Acres Joint or Infill		Consolidate Code Order No.							
40	40					, ·	•			

No Allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the Division

660' 2310' Pyro ABK State 2		OPERATOR CERTIFICATION I haveby certify that the information contained morein is in we and complete to the best of not knowledge and belief, and that this organization either cours as orking interest or infeased mineral interest in the load including the proposed batanthole location or hiss a right in dvill this well at this location prostavel to a contract with an owner of such a material or working interest, or to a solution y pooling agreement or a computer y pooling order hereinfor entered by the Division
\$\$-&}-&}-&}-&	,	Dauld (<u>c'hue</u> 7/19/12 Signature Date David Catanach Printed Nante <u>dreatanach@netscape.com</u> E-mail Address
	,	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey
		Signature and Seal of Professional Surveyor Originally surveyed by Herschel Jones on December 5, 1985. Certificate No. 3640 Certificate Number