Form 3160-4 (August 2007)

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

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

								KI AND LO			JIC109		
la. Type o	-	Oil Wel		s Well	Dry			llug Dools	– Diff I	Page 1	6. If Indian, A	Allottee	or Tribe Name
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.  Other									Cesvi.	7. Unit or CA Agreement Name and No. JICARILLA APACHE			
Name of Operator Contact: BRIDGET HELFRICH ENERVEST OPERATING, L.L.C. E-Mail: bhelfrich@enervest.net											Lease Name and Well No. JICARILLA B 1		
3. Address 1001 FANNIN STREET SUITE 800 3a. Phone No. (include area code) HOUSTON, TX 77002 Ph: 713-495-6537										)	9. API Well No. 30-039-06402 400		
Location	of Well (R	eport locat	tion clearly	and in ac	cordance	with Fed	eral requiremen	nts)*			10. Field and BLANÇO	Pool, o	r Exploratory
At surface SWNE 1450FNL 1850FEL										11. Sec., T., R., M., or Block and Survey			
At top prod interval reported below SWNE 1450FNL 1850FEL										or Area Sec 22 T26N R5W Mer  12. County or Parish 13. State			
At total depth SWNE 1450FNL 1850FEL									RIO ARRIBA NM				
					e T.D. Reached 16. Date Completed 13/1963 D & A Note Ready to Prod. 03/13/2011					rod.	17. Elevations (DF, KB, RT, GL)* 6605 GL		
18. Total Depth: MD 7647 19. Plug Back T.D.: MD 7613 TVD						3	20. Depth Bridge Plug Set: MD TVD						
21. Type El	ectric & Ot	her Mecha	anical Logs	Run (Sub	omit copy	of each)		2	Was I	well cored? OST run? tional Surv	No.	- <b>⊢</b> Ye	es (Submit analysis) es (Submit analysis) es (Submit analysis)
. Casing ar	nd Liner Red	cord (Repo	ort all string	s set in v	well)				Direct	- Conai Surv	cy: 🛛 140	<u> </u>	is (Sublint anarysis)
Hole Size	Size/C	Grade	Wt. (#/ft.)	To (MI	. ,	ottom MD)	Stage Cement Depth	er No. of S Type of C		Slurry \ (BBL	l ('ement	Top*	Amount Pulled
12.250	8.625 J-55			<del></del>	0	519			300		0		
7.875	4.	500 J-55	10.5		0 _	764 <b>b</b>	5548'	<del> </del>	375	<u> </u>	483	50'	
24. Tubing	Record -			<u> </u>	L_			.1		<u> </u>			
Size [	Depth Set (N	MD) Pa	acker Depth	(MD)	Size	Denth	Set (MD)	Packer Depth	(MD)	Size	Depth Set (N	(D)	Packer Depth (MD)
	<del>_`</del>	<del></del>			5.20	P	Det (IVID)		<del></del>			-	
2.375		7272		<u> </u>	5.20		Perforation Rec						
2.375 25. Producin		7272	Тор		Bottom			cord		Size	No. Holes		Perf. Status
2.375 25. Producin For A) BLANCO	g Intervals			4788			Perforation Re	cord	5451	Size 0.340	No. Holes	OPE	N
2.375 25. Producin For A) BLANCO	g Intervals			4788			Perforation Re	cord d Interval	5451		No. Holes		N /2712829 3
2.375 25. Producin For A) BLANCO B) C)	g Intervals rmation O MESAVE	ERDE	Тор				Perforation Re	cord d Interval	5451		No. Holes	OPE	N 252529,3 N A
2.375 Forducin For A) BLANCO B) C) 7. Acid, Fra	g Intervals rmation  O MESAVE	ERDE	Тор				Perforation Rec	cord d Interval 5310 TO		0.340	No. Holes	OPE	N 6.712829.3
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra	g Intervals rmation  O MESAVE  acture, Treat	ERDE	Top	e, Etc.	Bottom	26.1	Perforation Rec	cord d Interval 5310 TO 5	vpe of Ma	0.340	No. Holes	POPE	N 62128293
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra	g Intervals rmation  O MESAVE  acture, Treat	ERDE	Top	e, Etc.	Bottom	26.1	Perforation Rec	cord d Interval 5310 TO 5	vpe of Ma	0.340	No. Holes	OPE	MAG CUIT
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra	g Intervals rmation  O MESAVE  acture, Treat	ERDE	Top	e, Etc.	Bottom	26.1	Perforation Rec	cord d Interval 5310 TO 5	vpe of Ma	0.340	No. Holes	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra D	g Intervals rmation  O MESAVE  acture, Treat cepth Interval	ERDE Liment, Central Line 10 TO 54	Top  Top  nent Squeez	e, Etc.	Bottom	26.1	Perforation Rec Perforated	cord d Interval 5310 TO 5	pe of Ma	0.340	No. Holes	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra D  28. Production ate First oduced  T	g Intervals rmation  O MESAVE  acture, Treat Pepth Interval  53  on - Interval	ERDE  Iment, Cen al 10 TO 54  A  Hours Tested	Top	e, Etc.	Bottom	26.1	Perforation Rec Perforated  A B GAL 63.5Q D	cord d Interval 5310 TO 6	vpe of Ma	0.340	No. Holes 42 duction Method	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra D 28. Productio te First   T dduced   D 3/13/2011   O oke   T	g Intervals rmation  O MESAVE  acture, Treat Depth Interval  on - Interval  est old acture  03/15/2011  bg Press.	ERDE  A  Hours Tested 24  Csg.	Top  Top  nent Squeez  151 750 GA  Test Production 24 Hr.	e, Etc. L 15% FE	Bottom  E/HCL ACII  Gas  MCF  Gas	). 62,008 BB	Perforation Rec Perforated  Perforated  A  A  B GAL 63.5Q Di  ter Corr.  ter Gas:	cord d Interval 5310 TO 5	Ppe of Market RAC FLU	0.340	No. Holes 42 duction Method	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra D 28. Productio tete First   T oduced   D 03/13/2011   O 00ke   T	g Intervals rmation  O MESAVE  acture, Treat pepth Interval  fest pate 03/15/2011  Tog. Press. lwg. 340	ERDE  Iment, Cen al 10 TO 54  A  Hours Tested 24	Top  Top  Top  Top  Top  Top	e, Etc.	Bottom  E/HCL ACII  Gas MCF	D. 62,008	Perforation Rec Perforated  Perforated  A  A  B GAL 63.5Q Di  ter Corr.  ter Gas:	cord d Interval 5310 TO 5	Ppe of Market RAC FLU	0.340 aterial	No. Holes 42 duction Method	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra D 28. Production te First oduced 3/13/2011 oke F 8a. Production	g Intervals rmation  O MESAVE  acture, Treat bepth Interval  6st 03/15/2011 bg Press. lwg. 340 I on - Interval	ERDE  Iment, Cen al IO TO 54  A  Hours Tested 24  Csg. Press.	Top  Top  Top  Test Production  24 Hr. Rate	e, Etc. L 15% FE Oil BBL Oil BBL 12	Bottom  E/HCL ACII  Gas MCF  Gas MCF  62	26. l	Perforation Rec Perforated  A B GAL 63.5Q Di  ter L Corr.  ter Cas: C Ratio	Sand TO Sand T	Gas Gravity Well Stat	0.340  aterial ID  Pro	No. Holes 42  duction Method	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) C) C) C7. Acid, Fra D C8. Productio te First dduced 3/13/2011 Coke F S 8a. Productio	g Intervals rmation  O MESAVE  acture, Treat Depth Interval  on - Interval  est Date 03/15/2011  bg Press. lwg. 340 I	ERDE  A  Hours Tested 24  Csg. Press.	Top  Top  nent Squeez  151 750 GA  Test Production 24 Hr.	e, Etc. L 15% FE	Bottom  E/HCL ACII  Gas MCF  Gas MCF	D. 62,008	Perforation Rec Perforated  Perforated  A  A  B GAL 63.5Q Di  ter L  ter L  Z2  ter Corr.	STATE TO SET TO	gas Gravity Well Stat	0.340  aterial ID  Pro	No. Holes 42 duction Method	OPE	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) C) 7. Acid, Fra D 8. Production te First diduced Soke T e S8a. Production coke T f s S8a. Production coke T	g Intervals rmation  O MESAVE  acture, Treat pepth Interval  6st Pate 03/15/2011  bg. Press. lwg. 340 I  on - Interval  con - Interval  graph interval  graph interval  con - Interval	ERDE  Iment, Cen al into TO 54  A  Hours Tested 24  Csg. Press.  B  Hours Tested  Csg.	Top  Top  Test Production  24 Hr.  Test Production  24 Hr.	e, Etc.  Coil BBL Oil BBL 12 Oil BBL Oil Oil	Bottom  Gas MCF Gas MCF 62  Gas MCF 62	D. 62,008  Wa BB  Wa Wa'	Perforation Rec Perforated  Perforated  A  A  B GAL 63.5Q Di  ter Corr.  ter Cas:( Corr.  ter Cas:( Corr.  ter Gas:( Corr.	STATE TO SET TO	Gas Gravity Well Stat	0.340  aterial  ID  Pro	No. Holes 42  duction Method FLOV	VS FRO	MAG ZUIL CONS. DIV. DIS
2.375 25. Producin For A) BLANCO B) C) D) 27. Acid, Fra D 28. Production at First of the control	g Intervals rmation  O MESAVE  acture, Treat cepth Interval  6st on - Interval  1 bg. Press. lwg. 340 I  on - Interval  on - Interval  on - Interval	ERDE  Iment, Cen al into TO 54  A  Hours Tested 24  Csg. Press.  B  Hours Tested  Csg. Press.	Top  Top  Test Production  24 Hr. Rate  24 Hr. Rate	e, Etc.  Oil BBL Oil BBL 12 Oil BBL	Bottom  E/HCL ACII  Gas MCF  Gas MCF  62  Gas MCF  Gas MCF	D. 62,008  Wa BB	Perforation Rec Perforated  Perforated  A  A  B GAL 63.5Q Di  ter Corr.  ter Corr.  ter Corr.  Gas:C  ter Gas:C  Corr.	STATE TO SET TO	Gas Gravity  Well Stat PG  Gas Gravity	0.340  aterial  ID  Pro	No. Holes 42  duction Method FLOV	VS FRO	MAR AND

MMCCD

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28b. Pro	duction - Inte	rval C	····			<del></del>		<del></del>				
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gra	s vity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas;Oil Ratio	We	ll Status	<u> </u>		
28c. Proc	luction - Inte	rval D		<u> </u>	1							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gra	vity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Wel	I Status			
29. Dispo		(Sold, use	d for fuel, ven	ted, etc.)	<del>'</del>							
		ıs Zones (l	nclude Aquife	ers):					31. Fc	rmation (Log) Marke	rs	
tests,							d all drill-stem nd shut-in press					
Formation			Тор	Bottom		Descriptions, Contents, etc.				Name	Top Meas. Depth	
MESAVEI LOW MAI GREENH GRANER GRANER DAKOTA MORRISC	NCOS ORN OS SHALE OS SAND SAND ON		3089 4788 7016 7208 7265 7294 7385 7617	7208 7265 7294 7385 7617 7647	SA SH SH SA SA	ANDSTONE ANDSTONE HALE HALE HALE HANDSTONE ANDSTONE						
CBL t	o be mailed	in.			·						*	
1. Elec	Circle enclosed attachments:     Electrical/Mechanical Logs (1 full set req'd.)     Sundry Notice for plugging and cement verification     Core Analysis								DST Rep	port 4.	4. Directional Survey	
34. 1 hereb	y certify that	the forego	~	onic Submis	sion #105	161 Verifie	orrect as determed by the BLM	Well Inforn	nation Sy	e records (see attached stem.	finstructions):	
Name (	(please print)	BRIDGE	T HELFRICH					REGULATO		ΣΗ		
Signatu	Signature (Electronic Submission)						Date	Date 03/24/2011				
<b>\</b>											_	
Title 18 U. of the Unit	S.C. Section ed States any	1001 and false, ficti	Title 43 U.S.C	C. Section 12 Ilent stateme	12, make nts or repr	it a crime fo esentations	r any person kn as to any matter	nowingly and r within its ju	willfully irisdiction	to make to any depar	tment or agency	