

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										5. Lease Serial No. <b>Jicarilla Contract 102</b>	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____										6. If Indian, Allottee or Tribe Name <b>Jicarilla Apache</b>	
2. Name of Operator <b>Enervest Operating, LLC</b>										7. Unit or CA Agreement Name and No.	
3. Address <b>1001 Fannin St. Ste 800</b>										8. Lease Name and Well No. <b>Jicarilla 102 #14F</b>	
3a. Phone No. (Include area code) <b>713-495-6537</b>										9. API Well No. <b>30-039-29666</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>120' ENL &amp; 660' FWL</b> At top prod. interval reported below At total depth <b>Farmington Field Office Bureau of Land Management</b>										10. Field and Pool, or Exploratory <b>Blanco-Mesaverde</b>	
11. Sec., T., R., M., or Block and Survey or Area <b>Sec 9, 26N, 4W</b>										12. County or Parish <b>Rio Arriba</b>	
13. State <b>New Mexico</b>										17. Elevations (DF, RKB, RT, GL)* <b>7,111 GL</b>	
14. Date Spudded <b>05/05/10</b>		15. Date T.D. Reached <b>05/20/10</b>		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>07/14/10</b>							
18. Total Depth: MD TVD <b>8,251 8,248</b>		19. Plug Back T.D.: MD TVD <b>8,226</b>		20. Depth Bridge Plug Set: MD TVD <b>MD TVD</b>							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CBL / GR / CCL</b>						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)					
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
<b>12 1/4</b>	<b>9 5/8</b>	<b>36#</b>	<b>0</b>	<b>673</b>		<b>550</b>		<b>0</b>			
<b>8 3/4</b>	<b>7</b>	<b>23#</b>	<b>0</b>	<b>4,198</b>	<b>3,295</b>	<b>150</b>					
						<b>320</b>		<b>1,260</b>			
<b>6 1/8</b>	<b>4 1/2</b>	<b>11.6#</b>	<b>0</b>	<b>8,213</b>		<b>420</b>		<b>3,986</b>			
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
<b>2 3/8</b>	<b>8,105</b>										
25. Producing Intervals						26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) <b>Mesaverde</b>		<b>5,911</b>	<b>6,137</b>	<b>5,951 - 6,068</b>		<b>.42"</b>	<b>16</b>	<b>Open</b>			
B)											
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval		Amount and Type of Material									
<b>5,951 - 6,068</b>		<b>798 gals 15% HCL Acid w/ 120 7/8" 1.18 SG Bio-balls</b>									
		<b>116,748 gals Frac fluid w/ 98,200# 20/40 PRS sand</b>									
28. Production - Interval A											
Date First Produced <b>07/14/10</b>	Test Date <b>07/22/10</b>	Hours Tested <b>24</b>	Test Production <b>→</b>	Oil BBL <b>0</b>	Gas MCF <b>840</b>	Water BBL <b>26</b>	Oil Gravity Corr. API	Gas Gravity	Production Method <b>Flowing</b>		
Choke Size <b>64/64"</b>	Tbg. Press. Flwg. SI <b>324</b>	Csg. Press. <b>587</b>	24 Hr. <b>→</b>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status			
28a. Production-Interval B											
Date First Produced	Test Date	Hours Tested	Test Production <b>→</b>	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method <b>AUG 27 2010</b>		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. <b>→</b>	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status <b>FARMINGTON FIELD OFFICE</b>			

## 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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

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

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Kirkland	3,405		Shale		
Fruitland	3,683		Shale, Sandstone		
Pic Cliffs	3,861		Sandstone		
Chacra	4,782		Siltstone		
Mesaverda	5,511		Sandstone, Shale		
Menefee	5,625		Sandstone, Shale		
Mancos	6,137		Shale		
Gallup	7,179		Siltstone		
Dakota	8,011		Sandstone, Shale		

32. Additional remarks (include plugging procedure):

Please see attached Notarized Deviation Survey.

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:

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) Bridget HelfrichTitle Regulatory Tech.Signature Bridget HelfrichDate 07/30/10

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.

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DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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FORM APPROVED  
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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG 02 2010

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		Farmington Field Office							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Other		1. Plug Back Log <input type="checkbox"/> 1. Diff. Recorder							
2. Name of Operator Enervest Operating, LLC									
3. Address 1001 Fannin St. Ste 800		3a. Phone No. (include area code) 713-495-6537							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 120' FNL & 660' FWL At top prod. interval reported below At total depth									
14. Date Spudded 05/05/10		15. Date T.D. Reached 05/20/10							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/14/10		17. Elevations (DF, RKB, RT, GL)* 7,111 GL							
18. Total Depth: MD 8,251 TVD 8,248		19. Plug Back T.D.: MD 8,226 TVD							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL / GR / CCL							
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	9 5/8	36#	0	673		550		0	
8 3/4	7	23#	0	4,198	3,295	150		1,260	
						320		1,260	
6 1/8	4 1/2	11.6#	0	8,213		420		3,986	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 3/8	8,105								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Gallup	7,179	7,933	7,542 - 7,550	.42"	16	Open			
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
7,542 - 7,550	500 gals 15% HCL Acid w/ 120 7/8" 1.18 SG Bio-balls								
	53,327 gals Frac fluid w/ 34,100# 20/40 PRS sand								
RCVD AUG 30 '10 OIL CONS. DIV. DIST. 3									
28. Production - Interval A									
Date First Produced 07/14/10	Test Date 7/22/10	Hours Tested 24	Test Production →	Oil BBL 0	Gas MCF 840	Water BBL 26	Oil Gravity Corr. API	Gas Gravity	Production Method Flowing
Choke Size 64/64"	Tbg. Press. Flwg. SI 324	Csg. Press. SI 587	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
28a. Production-Interval B									
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. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

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## 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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

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

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Kirkland	3,405		Shale		
Fruitland	3,683		Shale, Sandstone		
Pic Cliffs	3,861		Sandstone		
Chacra	4,782		Siltstone		
Mesaverda	5,511		Sandstone, Shale		
Menefee	5,625		Sandstone, Shale		
Mancos	6,137		Shale		
Gallup	7,179		Siltstone		
Dakota	8,011		Sandstone, Shale		

32. Additional remarks (include plugging procedure):

Please see attached Notarized Deviation Survey.

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:

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) Bridget HelfrichTitle Regulatory Tech.

Signature

Bridget HelfrichDate 07/30/10

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AUG 02 2010

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		Farmington Field Office Bureau of Land Management	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resv.		Other	
2. Name of Operator Enervest Operating, LLC			
3. Address 1001 Fannin St. Ste 800		3a. Phone No. (include area code) 713-495-6537	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 120' ENL & 660' FWL  At top prod. interval reported below  At total depth			
14. Date Spudded 05/05/10	15. Date T.D. Reached 05/20/10	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/14/10	17. Elevations (DF, RKB, RT, GL)* 7,111 GL
18. Total Depth: MD 8,251 TVD 8,248		19. Plug Back T.D.: MD 8,226 TVD	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL / GR / CCL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	9 5/8	36#	0	673		550		0	
8 3/4	7	23#	0	4,198	3,295	150			
						320		1,260	
6 1/8	4 1/2	11.6#	0	8,213		420		3,986	

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 3/8	8,105								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	8,011	8,264		8,016 - 8,171	.42"	58	Open
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.			RCUD AUG 30 '10 OIL CONS. DIV. DIST. 3				
Depth Interval	Amount and Type of Material						
8,016 - 8,171	750 gals 15% HCL Acid w/ 120 7/8" 1.18 SG Bio-balls						
	115,998 gals Frac fluid w/ 143,100# 20/40 Ottawa sand						

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/14/10	07/22/10	24	→	0	840	26			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
64/64"	324	587	→						

28a. Production-Interval B									
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. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

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

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## 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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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Mesaverda	5,511		Sandstone, Shale		
Menefee	5,625		Sandstone, Shale		
Mancos	6,137		Shale		
Gallup	7,179		Siltstone		
Dakota	8,011		Sandstone, Shale		

32. Additional remarks (include plugging procedure):

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