

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

RECEIVED

OCT 05 2010

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		16. Date Completed 09/07/2010 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		5. Lease Serial No. JIC 102	
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: _____		Farmington Field Office Bureau of Land Management		6. If Indian, Allottee or Tribe Name Jicarilla Apache	
2. Name of Operator Enervest Operating, L.L.C.				7. Unit or CA Agreement Name and No.	
3. Address 1001 Fannin Street, Suite 800 Houston, TX 77002		3a. Phone No. (include area code) 713-495-6537		8. Lease Name and Well No. Jicarilla 102 No. 9M	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface SW/4 SE/4 935' FSL & 2225' FEL  At top prod. interval reported below  At total depth				9. API Well No. 30-039-29771	
14. Date Spudded 06/05/2010		15. Date T.D. Reached 06/23/2010		10. Field and Pool or Exploratory BS Mesa-Gallup	
18. Total Depth: MD 8285' TVD		19. Plug Back T.D.: MD 8245' TVD		11. Sec., T., R., M., on Block and Survey or Area Sec 4; Twp 26N; Rge 4W UL (O)	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR / CCL / CBL		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)		12. County or Parish Rio Arriba	
23. Casing and Liner Record (Report all strings set in well)				13. State NM	
				17. Elevations (DF, RKB, RT, GL)* 7136' GL	

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	398'		230sx		0	
	J-55								
8-3/4"	7"	23	0	4258'		100sx			
	N-80				3332'	385sx		0	
6-1/8"	4-1/2"	11.6	0	8245'		415sx		5760'	
	N-80								

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	8132'							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BS Mesa-Gallup	7244'		7592' - 7606'	0.42	28	Open
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
7592' - 7606'	500 gal 15% HCL acid; Frac w/ 62,194 gal FR frac fluid w/ 33,200 pounds 20/40 sand.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
9-20-10	9-22-10	24	→						Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
64/64	489	779	→	7	152	12		Producing

RECD OCT 8 '10  
OIL CONS. DIV.  
DIST. 3

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. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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FARMINGTON FIELD OFFICE

\*(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. Rate	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. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

## 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 Fruitland	3473' 3792'		Shale Coal, Shale, Sandstone		
Pictured Cliffs Chacra	3972' 4841'		Sandstone Siltstone		
Mesaverde Menefee	5582' 5684'		Coal, Shale, Sandstone Coal, Shale, Sandstone		
Mancos Gallup	6196' 7244'		Shale Siltstone, Shale		
Dakota	8048'		Coal, Shale, Sandstone		

32. Additional remarks (include plugging procedure):

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: Deviation Report

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 10/01/2010

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.

(Continued on page 3)

(Form 3160-4, page 2)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCT 05 2010

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. JIC 102	
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.		6. If Indian, Allottee or Tribe Name Jicarilla Apache	
Other: _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator Enervest Operating, L.L.C.		8. Lease Name and Well No. Jicarilla 102 No. 9M	
3. Address 1001 Fannin Street, Suite 800 Houston, TX 77002		9. API Well No. 30-039-29771	
3a. Phone No. (include area code) 713-495-6537		10. Field and Pool or Exploratory Basin Dakota	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface SW/4 SE/4 935' FSL & 2225' FEL  At top prod. interval reported below  At total depth		11. Sec., T., R., M., on Block and Survey or Area Sec 4; Twp 26N; Rge 4W UL (O)	
14. Date Spudded 06/05/2010		15. Date T.D. Reached 06/23/2010	
16. Date Completed 09/07/2010 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 7136' GL	
18. Total Depth: MD 8285' TVD		19. Plug Back T.D.: MD 8245' TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR / CCL / CBL	
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)			

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	398'		230sx		0	
	J-55								
8-3/4"	7"	23	0	4258'		100sx			
	N-80				3332'	385sx		0	
6-1/8"	4-1/2"	11.6	0	8245'		415sx		5760'	
	N-80								

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	8132'							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	8048'		8048' - 8197'	0.42	48	Open
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
8048' - 8197'	750 gal 15% HCL acid w/ 72 Bio-Balls; Frac w/ 162,915 gal FR frac fluid w/ 141,800 pounds 20/40 sand.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
9-20-10	9-22-10	24	→						Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	489	779	→	13	532	20		Producing	

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	
			→						

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

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OIL CONS. DIV.  
DIST. 3

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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. Rate	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. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

## 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 Fruitland	3473' 3792'		Shale Coal, Shale, Sandstone		
Pictured Cliffs Chacra	3972' 4841'		Sandstone Siltstone		
Mesaverde Menefee	5582' 5684'		Coal, Shale, Sandstone Coal, Shale, Sandstone		
Mancos Gallup	6196' 7244'		Shale Siltstone, Shale		
Dakota	8048'		Coal, Shale, Sandstone		

## 32. Additional remarks (include plugging procedure):

## 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: Deviation Report

## 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 10/01/2010

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCT 05 2010

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other: \_\_\_\_\_

2. Name of Operator  
Enervest Operating, L.L.C.

3. Address 1001 Fannin Street, Suite 800  
Houston, TX 77002

3a. Phone No. (include area code)  
713-495-6537

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface SW/4 SE/4 935' FSL & 2225' FEL  
At top prod. interval reported below  
At total depth

5. Lease Serial No.  
JIC 102

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Jicarilla 102 No. 9M

9. API Well No.  
30-039-29771

10. Field and Pool or Exploratory  
Blanco Mesaverde

11. Sec., T., R., M., on Block and  
Survey or Area Sec 4; Twp 26N; Rge 4W UL (O)

12. County or Parish  
Rio Arriba

13. State  
NM

14. Date Spudded  
06/05/2010

15. Date T.D. Reached  
06/23/2010

16. Date Completed 09/07/2010  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
7136' GL

18. Total Depth: MD 8285'  
TVD

19. Plug Back T.D.: MD 8245'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
GR / CCL / CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ 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	398'		230sx		0	
	J-55								
8-3/4"	7"	23	0	4258'		100sx			
	N-80				3332'	385sx		0	
6-1/8"	4-1/2"	11.6	0	8245'		415sx		5760'	
	N-80								

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"	8132'								
25. Producing Intervals									
Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status			
A) Blanco Mesaverde	5582'		6037' - 6113'	0.42	50	Open			
B)									
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
6037' - 6113'	750 gal 15% HCL acid w/ 75 Bio-Balls; Frac w/ 124,176 gal FR frac fluid w/ 107,300 pounds 20/40 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 Flowing
9-20-10	9-22-10	24	→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	489	779	→	3	161	5		Producing	

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OIL CONS. DIV.

DIST. 3

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.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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OCT 05 2010

FARMINGTON FIELD OFFICE

\*(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. Rate	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. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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

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.	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Kirkland Fruitland	3473' 3792'		Shale Coal, Shale, Sandstone		
Pictured Cliffs Chacra	3972' 4841'		Sandstone Siltstone		
Mesaverde Menefee	5582' 5684'		Coal, Shale, Sandstone Coal, Shale, Sandstone		
Mancos Gallup	6196' 7244'		Shale Siltstone, Shale		
Dakota	8048'		Coal, Shale, Sandstone		

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

<input checked="" type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd.)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input type="checkbox"/> Directional Survey
<input checked="" type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input checked="" type="checkbox"/> Other: Deviation Report	

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 Helfrich Title Regulatory Tech.  
Signature Bridget Helfrich Date 10/01/2010

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(Form 3160-4, page 2)