

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**Amended  
RECEIVED**FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

SEP 12 2011

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other \_\_\_\_\_

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Other \_\_\_\_\_

2. Name of Operator  
**EnerVest Operating, LLC**

3. Address  
**1001 Fannin St Ste 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 **SE/4 SE/4 175' FSL & 130' FEL**  
At top prod. interval reported below  
At total depth

5. Lease Serial No.  
**JIC 108**

6. If Indian, Allottee or Tribe Name  
**Farmington Field Office**

7. New, CA Agreement Name and No.

8. Lease Name and Well No.  
**Jicarilla C No. 2N**

9. APT Well No.  
**30-039-29813-C1**

10. Field and Pool, or Exploratory  
**Basin Dakota**

11. Sec. T, R, M., or Block and Survey or Area  
**UL P, Sec 14, 26N, 05W**

12. County or Parish  
**Rio Arriba**

13. State  
**NM**

14. Date Spudded  
**5/17/11**

15. Date T.D. Reached  
**7/31/11**

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
**8/31/11**

17. Elevations (DF, RKB, RT, GL)\*  
**6,661' GL**

18. Total Depth: MD  
**7,660'**

19. Plug Back T.D.: MD  
**7,650'**

20. Depth Bridge Plug Set: MD  
**TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL, SD/DSEN/ACTR**

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"								
	J-55 STC	36	0	433'		200		surf	10bbls to surf
8 3/4"	7"								
	N-80 LTC	23	0	3608'		132		surf	5bbls to surf
6 1/4"	4 1/2"								
	N-80 LTC	11.6	0	7660'		268		3252'	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	7541'							

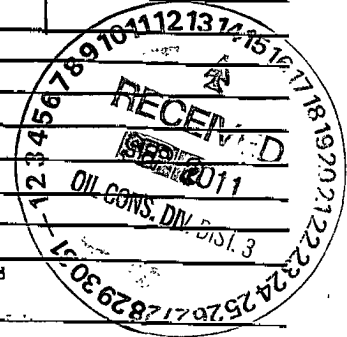
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7448'		7422' to 7630'	0.400	117	Open
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
7422' to 7630'	80,689# 20/40 sd w/ 2669 bbls 3% KCL.

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	

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	

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



ACCEPTED FOR RECORD

SEP 13 2011

FARMINGTON FIELD OFFICE

BY Set

Form 3160-4  
(August 2007)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

SEP 12 2011 JIC 108

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Other

2. Name of Operator  
**EnerVest Operating, LLC**

3. Address  
**1001 Fannin St Ste 800 Houston, Tx 77002**

3a. Phone No. (include area code)  
**713-495-1571**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **SE/4 SE/4 175' FSL & 130' FEL**  
At top prod. interval reported below  
At total depth

5. Lease Serial No.  
**SEP 12 2011 JIC 108**

6. If Indian, Allottee or Tribe Name

7. If Indian, Allottee or Tribe Name

8. Lease Name and Well No.  
**Jicarilla C No. 2N**

9. API Well No.  
**30-039-29813-C2**

10. Field and Pool, or Exploratory  
**Blanco Mesaverde**

11. Sec., T., R., M., or Block and Survey or Area  
**UL P, Sec 14, 26N, 05W**

12. County or Parish  
**Rio Arriba**

13. State  
**NM**

14. Date Spudded  
**5/17/11**

15. Date T.D. Reached  
**7/31/11**

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
**8/31/11**

17. Elevations (DF, RKB, RT, GL)\*  
**6,661' GL**

18. Total Depth: MD  
**7,660'**

19. Plug Back T.D.: MD  
**7,650'**

20. Depth Bridge Plug Set: MD  
**TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL, SD/DSEN/ACTR**

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 Sk. & Type of Cement	Shurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8"								
	J-55 STC	36	0	433'		200		surf	10bbls to surf
8 3/4"	7"								
	N-80 LTC	23	0	3608'		132		surf	5bbls to surf
6 1/4"	4 1/2"								
	N-80 LTC	11.6	0	7660'		268		3252'	

## 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"	7541'							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Blanco Mesaverde	4884'	5603'	4906' to 5442'	0.400	168	Open
B)						
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4906' to 5442'	Stg 1: 62,064# 20/40 sd w/ 1459 bbls 3% KCL.
	Stg 2: 105,028# 20/40 sd w/ 2180 bbls 3% KCL.

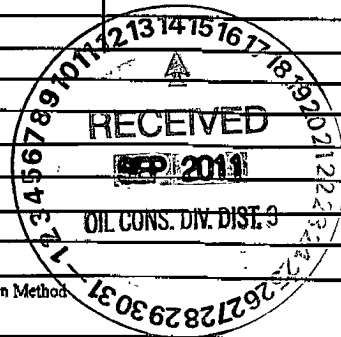
## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	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.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

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

This fax was received by GFI FAXmaker fax server For more information, visit <http://www.gfi.com>Amended  
RECEIVED

ACCEPTED FOR RECORD

SEP 13 2011

FARMINGTON FIELD OFFICE  
BY 380

NMOCD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

SEP 01 2011

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"/> Diff. Resvr.		Bureau of Land Management	
2. Name of Operator EnerVest Operating, LLC			
3. Address 1001 Fannin St Ste 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 SE/4 SE/4 175' FSL & 130' FEL  At top prod. interval reported below  At total depth			
14. Date Spudded 5/17/11	15. Date T.D. Reached 7/31/11	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 8/31/11	
18. Total Depth: MD TVD 7,660'	19. Plug Back T.D.: MD TVD 7,635'		20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, SD/DSEN/ACTR ✓		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"								
	J-55 STC	36	0	433' ✓		200		surf	10bbls to surf ✓
8 3/4"	7"								
	N-80 LTC	23	0	3608' ✓		132		surf	5bbls to surf ✓
6 1/4"	4 1/2"								
	N-80 LTC	11.6	0	7660' ✓		268		3252' ✓	

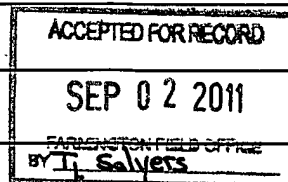
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-3/8"	7541'								
25. Producing Intervals									
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Basin Dakota		7448'		7422' to 7630'		0.400	117	Open	
B)									
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.		RCUD SEP 9 '11	
Depth Interval	Amount and Type of Material	OIL CONS. DIV.	
7422' to 7630'	80,689# 20/40 sd w/ 2669 bbls 3% KCL.	DIST. 3	

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
			→						
Choke Size	Tbg Press. Flwg SI	Csg. Press	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	24 Hr	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

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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
Fruitland	3027'		Coal, Shale, Sandstone		
Pict. Cliffs	3234'		Sandstone		
Chacra	4127'		Siltstone		
Mesaverde	4884'		Coal, Sandstone, Shale		
Mancos	5604'		Shale		
Gallup	6598'		Siltstone, Shale		
Dakota	7448'		Sandstone, Shale, Coal		

32. Additional remarks (include plugging procedure).

## Attachments:

CBL

Deviation Report

SD/DSEN/ACTR

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 8/29/11

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  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0137  
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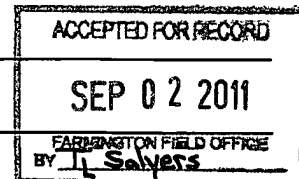
## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

SEP 01 2011

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 108							
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		6. If Indian, Allottee or Tribe Name Blanco Mesaverde							
2. Name of Operator EnerVest Operating, LLC		7. Unit or CA Agreement Name and No.							
3. Address 1001 Fannin St Ste 800 Houston, Tx 77002		8. Lease Name and Well No. Jicarilla C No. 2N							
3a. Phone No. (include area code) 713-495-6537		9. API Well No. 30-039-29813-C2							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SE/4 SE/4 175' FSL & 130' FEL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory Blanco Mesaverde							
14. Date Spudded 5/17/11		11. Sec, T., R., M., or Block and Survey or Area UL P, Sec 14, 26N, 05W							
15. Date T.D. Reached 7/31/11		12. County or Parish Rio Arriba							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 8/31/11		13. State NM							
18. Total Depth: MD TVD 7,660'		17. Elevations (DF, RKB, RT, GL)* 6,661' GL							
19. Plug Back T.D.: MD TVD 7,635'		20. Depth Bridge Plug Set: MD TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL. SD/DSEN/ACTR		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"								
	J-55 STC	36	0	433' ✓		200		surf	10bbls to surf ✓
8 3/4"	7"								
	N-80 LTC	23	0	3608' ✓		132		surf	5bbls to surf ✓
6 1/4"	4 1/2"								
	N-80 LTC	11.6	0	7660' ✓		268		3252'	
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"	7541'								
25. Producing Intervals				26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf. Status	
A) Blanco Mesaverde		4884'	5603'	4906' to 5442'		0.400	168	Open	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
4906' to 5442'		Stg 1: 62,064# 20/40 sd w/ 1459 bbls 3% KCL.							
		Stg 2: 105,028# 20/40 sd w/ 2180 bbls 3% KCL.							
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
Choke Size	Tbg Press Flwg SI	Csg Press.	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	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
Fruitland	3027'		Coal, Shale, Sandstone		
Pict. Cliffs	3234'		Sandstone		
Chacra	4127'		Siltstone		
Mesaverde	4884'		Coal, Sandstone, Shale		
Mancos	5604'		Shale		
Gallup	6598'		Siltstone, Shale		
Dakota	7448'		Sandstone, Shale, Coal		

32 Additional remarks (include plugging procedure).

## Attachments:

CBL

Deviation Report

SD/DSEN/ACTR

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 8/29/11

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.