

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Farmington Field Office  
Bureau of Land Management

FORM APPROVED

OMB NO 1004-0137

Expires: March 31, 2007

5 LEASE DESIGNATION AND SERIAL NO

Jicarilla Contract 155

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dryb. Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other \_\_\_\_\_

2. Name of Operator

EnerVest Operating, L.L.C.

3. Address

1001 Fannin Street Ste. 800, Houston, Tx 77002

3a. Phone No. (include area code)

713-495-1563

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface

760' FNL &amp; 2570' FWL, Sec 30 T26N R05W (UL C)

At top prod. Interval reported below

At total depth

Same (vertical well)

14. Date Spudded

6/12/2012

15. Date T.D. Reached

8/5/2012

16. Date Completed 08/28/2012

D &amp; A x Ready to Prod.

18. Total Depth:

MD

7538'

TVD

7538'

19. Plug back T.D.:

MD

7533'

TVD

7533'

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric &amp; other Logs Run (Submit a copy of each)

CBL/GR/CC

GR/DEN/NEU Triple Combo

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	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" J-55	36#	0	510'		238 sx Type III	58.95 bbl	Surface (circ)	
8 3/4"	7" J-55	23#	0	3265'	2589'	366 sx Type III	127.75 bbl	Surface (circ)	
6 1/4"	4 1/2" N-80	11.6#	0	7538'		310 sx Type III	112.06 bbl	3486' CBL	
								PCUD OCT 17 '12	
								OIL COME DILL	
								DIST. 2	

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"	7478'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf Status
A) Mesa Verde	4408'	5432'	5296' - 5410'	0.40"	43	Open, producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5296' - 5410'	acidize w/24.4 bbl 15% HCL, frac w/144750# 20/40 mesh sand and N2 foam using 1183 bbl gel water and 1637 Mscf N2 @ 50 bpm.

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
9/27/2012	9/30/2012	8	→	0	123	3			Flowing
Choke Size	Tbg. Press	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
48/64	N/A	100 psi	→	0	368	9		Producing	

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	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	Flowing		→						

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

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OCT 15 2012

NMOC Dv

FARMINGTON FIELD OFFICE  
BY TL Sellers

## 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 (Sold, used for fuel, vented, etc.)

Gas sold with "Test Allowable" C-104 using green completion

## 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

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top Measured Depth
Mesa Verde	4408'	4740'	Sandstone/Shale	Menefee	4796'
Cliffhouse	4740'	4796'	Sandstone	Point Lookout	5432'
Menefee	4796'	5294'	Sandstone/Shale	Greenhorn	7209'
Point Lookout	5294'	5432'	Sandstone	Dakota	7291'
Base Point Lookout/ Top Mancos	5432'	6456'	Shale/Sandstone		
Gallup	6456'	7209'	Sandstone		
Greenhorn	7209'	7266'	Limestone		
Graneros	7266'	7291'	Sandstone		
Dakota	7291'		Sandstone		

## 31. Formation (Log) Markers:

## 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 required)
 ☐ 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) Pamela Fry

Title Associate Regulatory Analyst

Signature



Date 10/15/2012

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.

*Amended*

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 (Sold, used for fuel, vented, etc.)

Gas sold with "Test Allowable" C-104 using green completion

30. Summary of Porous Zones (include Aquifers):

Show all important zones of porosity and contents thereof. Correlate 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 Measured Depth
Mesa Verde	4408'	4740'	Sandstone/Shale	Menefee	4796'
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Point Lookout	5294'	5432'	Sandstone	Dakota	7291'
Base Point Lookout/Top Mancos	5432'	6456'	Shale/Sandstone		
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Greenhorn	7209'	7266'	Limestone		
Graneros	7266'	7291'	Sandstone		
Dakota	7291'		Sandstone		

RCVD OCT 18 '12  
OIL CONS. DIV.  
DIST. 3

32. Additional remarks (include plugging procedure):

The following list contains shallow formation top picks from the well logs of the subject well based on correlations to nearby well control.

Ojam	2293'	2688'	Lewis Shale	3144'	3965'
Kirtland	2688'	2894'	Charca Sand	3965'	
Fruitland	2894'	3061'			
Pictured Cliffs	3061'	3144'			

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

☒ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

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Name (please print) Bart Trevino

Title Regulatory Analyst

Signature



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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office

5. LEASE DESIGNATION AND SERIAL NO

Jicarilla Contract 155

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

b. Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Drift Resvr

Other

2. Name of Operator

EnerVest Operating, L.L.C.

3. Address

1001 Fannin Street Ste. 800, Houston, Tx 77002

3a. Phone No (include area code)

713-495-1563

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

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15. Date T.D. Reached

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16. Date Completed 08/28/2012

D & A x Ready to Prod.

18. Total Depth

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7538'

TVD

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MD

7533'

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7533'

20. Depth Bridge Plug Set.

MD

TVD

21. Type Electric & other Logs Run (Submit a copy of each)

CBL/GR/CC

GR/DEN/NEU Triple Combo

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	Slurry Vol (Bbl)	Cement Top*	Amount Pulled
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8 3/4"	7" J-55	23#	0	3265'	2589'	366 sx Type III	127.75 bbl	Surface (circ)	
6 1/4"	4 1/2" N-80	11.6#	0	7538'		310 sx Type III	112.06 bbl	3486' CBL	
								RECDUG 17-12	
								OIL CONS. DIV.	
								DIST. 3	

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"	7478'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No of Holes	Perf. Status
A) Dakota	7291'		7294' - 7520'	0.40"	64	Open, producing
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7294' - 7320'	acidize w/17.9 bbls 15% HCL, frac w/68102# 20/40 mesh sand and 2672 bbls slickwater
7429' - 7520'	acidize w/17.9 bbls 15% HCL, frac w/113000# 20/40 mesh sand and 3408 bbls slickwater

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
10/1/2012	10/8/2012	24	→	29	289	33			Flowing
Choke Size	Tbg. Press Flwg.	Csg. Press SI	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas. Oil Ratio	Well Status	
48/64	150 psi	450 psi	→	29	289	33		Producing	

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.	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas. Oil Ratio	Well Status	

ACCEPTED FOR RECORD

OCT 16 2012

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FARMINGTON FIELD OFFICE  
BY TL Salinas

## 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 (Sold, used for fuel, vented, etc.)

Gas sold with "Test Allowable" C-104 using green completion

## 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

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top Measured Depth
Mesa Verde	4408'	4740'	Sandstone/Shale	Menefee	4796'
Cliffhouse	4740'	4796'	Sandstone	Point Lookout	5432'
Menefee	4796'	5294'	Sandstone/Shale	Greenhorn	7209'
Point Lookout	5294'	5432'	Sandstone	Dakota	7291'
Base Point Lookout/ Top Mancos	5432'	6456'	Shale/Sandstone		
Gallup	6456'	7209'	Sandstone		
Greenhorn	7209'	7266'	Limestone		
Graneros	7266'	7291'	Sandstone		
Dakota	7291'		Sandstone		

## 31. Formation (Log) Markers:

32. Additional remarks (include plugging procedure):

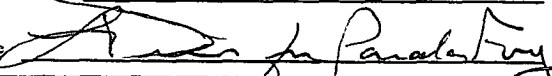
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/ Mechanical Logs (1 full set required)
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 ☐ 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) Pamela FryTitle Associate Regulatory Analyst

Signature

Date 10/15/2012

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*Amended*

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. St	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. St	Csg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	

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

Gas sold with "Test Allowable" C-104 using green completion

**30. Summary of Porous Zones (include Aquifers):**

Show all important zones of porosity and contents thereof. Core intervals and all drill-stem tests, including depth interval tested, cushion used, firm tool open, flowing and shut-in pressures and recoveries

**31. Formation (Log) Markers:**

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Mesa Verde	4408'	4740'	Sandstone/Shale	Menefee	4796'
Cliffhouse	4740'	4796'	Sandstone	Point Lookout	5432'
Menefee	4796'	5294'	Sandstone/Shale	Greenhorn	7209'
Point Lookout	5294'	5432'	Sandstone	Dakota	7291'
Base Point Lookout/					
Top Mancos	5432'	6456'	Shale/Sandstone		
Gallup	6456'	7209'	Sandstone		
Greenhorn	7209'	7266'	Limestone		
Graneros	7266'	7291'	Sandstone		
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OIL CONS. DIV.  
DIST. 3

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Fruitland	2894'	3061'			
Pictured Cliffs	3061'	3144'			

**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 required)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input checked="" type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input type="checkbox"/> Other	

**34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\***

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