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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 15 2013

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office  
Bureau of Land Management

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,  
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)  
713-659-3500

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

At surface 1550' FSL & 1810' FWL (UL K), Sec. 30 T26N R05W

At top prod. interval reported below

At total depth 1484' FSL & 1803' FWL (UL K), Sec. 30 T26N R05W

14. Date Spudded  
04/15/2013

15. Date T.D. Reached  
04/23/2013

16. Date Completed 08/08/2013  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6539' GL

18. Total Depth: MD 7390'  
TVD 7388'

19. Plug Back T.D.: MD 7330'  
TVD 7328'

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

GR/CCL/CBL & RMT

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	36#	0	522'		225 sx Type III	56 bbls	Surf (circ)	
8 3/4"				3044'					
7 7/8"	5 1/2" L-80	17#	0	7380'		1160 sx Pr. Lite	415 bbls	Surf (circ)	
						3 stage cmt job			

RCVD AUG 22 '13  
OIL CONS. DIV.  
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 7/8"	7290'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	7077'	7390'	7082' - 7292'	0.40"	56	Open, producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7082' - 7124' (28 holes)	18.4 bbls 15% HCl & 42 bio-balls, frac w/9,137# Lite Prop 108 + 1,720 bbls slickwater
7212' - 7292' (28 holes)	18.4 bbls 15% HCl & 42 bio-balls, frac w/12,260# Lite Prop 108 + 2,857 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
07/31/13	08/08/13	8 hrs	→	0.78 bbl	150.54 mcf	36.96 bbls			flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
25/64"	n/a	184 psi	→	2.34 bbl	451.63 mcf	110.88 bbl		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. SI	Csg. Press. SI	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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FARMINGTON FIELD OFFICE  
BY William Tarnakou

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.)

Gas sold with C-104 Test Allowable 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo Kirtland	2226' 2463'	2463' 2730'		Cliffhouse Menefee	4530' 4557'
Fruitland Coal Pictured Cliffs	2730' 2872'	2872' 3019'		Point Lookout Dakota	5048' 7077'
Lewis Shale Chacra	3019' 3749'	3749' 4530'			
Cliffhouse Menefee	4557' 5048'	5048' 5548'			
Mancos (Regulatory) Gallup	5548' 6238'	6238' 6944'			
Greenhorn Graneros Shale	6944' 7050'	7050' 7077'			
Dakota	7077'	TD			

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:

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) Bart Trevino

Title Regulatory Analyst

Signature Bart Trevino Date 08/15/2013

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)

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office  
Bureau of Land Management

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		15. Lease Serial No.							
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. Resrv.,		Jicarilla Contract 155							
Other: _____		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe							
2. Name of Operator EnerVest Operating, L.L.C.		7. Unit or CA Agreement Name and No.							
3. Address 1001 Fannin Street, Ste. 800 Houston, TX 77002		8. Lease Name and Well No. Jicarilla Contract 155 #13N							
3a. Phone No. (include area code) 713-659-3500		9. API Well No. 30-039-29936-0002							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 1550' FSL & 1810' FWL (UL K), Sec. 30 T26N R05W At surface		10. Field and Pool or Exploratory Blanco Mesaverde							
At top prod. interval reported below		11. Sec., T., R., M., on Block and Survey or Area Sec. 30 T26N R05W							
At total depth 1484' FSL & 1803' FWL (UL K), Sec. 30 T26N R05W		12. County or Parish Rio Arriba							
14. Date Spudded 04/15/2013		13. State NM							
15. Date T.D. Reached 04/23/2013		17. Elevations (DF, RKB, RT, GL)* 6539' GL							
16. Date Completed 08/08/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.									
18. Total Depth: MD 7390' TVD 7388'		19. Plug Back T.D.: MD 7330' TVD 7328'							
20. Depth Bridge Plug Set: MD TVD		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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CCL/CBL & RMT									
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" J-55	36#	0	522'		225 sx Type III	56 bbls	Surf (circ)	
8 3/4"				3044'					
7 7/8"	5 1/2" L-80	17#	0	7380'		1160 sx Pr. Lite	415 bbls	Surf (circ)	
						3 stage cmt job			
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 7/8"	7290'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Mesaverde	4530'	5548'	4550' - 5164'	0.40"	64	Open, producing			
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
4550' - 4996' (34 holes)	8 bbls 15% HCl & 45 bio-balls, frac w/129,453# 20/40 sand + 838 bbs gelwater & 1,068,700 scf N2								
5054' - 5164' (30 holes)	18.1 bbls 15% HCl & 45 bio-balls, frac w/137,112# 20/40 sand + 926 bbs gelwater & 1,048,900 scf N2								
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
07/31/13	08/08/13	8 hrs	→	0.22 bbl	104.62 mcf	29.04 bbls			flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
25/64"	n/a	184 psi	→	0.66 bbl	313.86 mcf	87.12 bbl		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. 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)

ACCEPTED FOR RECORD

AUG 21 2013

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FARMINGTON FIELD OFFICE  
BY William Tambor

## 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.)

Gas sold with C-104 Test Allowable 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.

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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
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Kirtland	2463'	2730'		Menefee	4557'
Fruitland Coal	2730'	2872'		Point Lookout	5048'
Pictured Cliffs	2872'	3019'		Dakota	7077'
Lewis Shale	3019'	3749'			
Chacra	3749'	4530'			
Cliffhouse	4557'	5048'			
Menefee	5048'	5548'			
Mancos (Regulatory)	5548'	6238'			
Gallup	6238'	6944'			
Greenhorn	6944'	7050'			
Graneros Shale	7050'	7077'			
Dakota	7077'	TD			

## 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.)
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