

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 20 2012

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

3. Address 1001 Fannin, Suite 800 Houston, TX 77002-6707

3a. Phone No. (include area code)
713-659-3500

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

1970' FSL & 2100' FEL, Unit J, Sec 10, T26N, R04W
At surface

Same

At top prod. interval reported below

At total depth Same, (vertical well)

14. Date Spudded
06/07/201215. Date T.D. Reached
06/25/201216. Date Completed 08/16/2012
☐ D & A ☒ Ready to Prod17. Elevations (DF, RKB, RT, GL)*
6814' GL, 6827' KB18. Total Depth: MD 7898'
TVD 7898'19. Plug Back T.D.: MD 7881'
TVD 7881'20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CBL, GR/RMT (pulsed neutron)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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" J-55	36#	0	510'		238 sx Typelll	59	Surf (circ)	
8 3/4"	7" J-55	23#	0	3875'	3115'	415 Type III poz	141	1000' (TS)	
6 1/4"	4 1/2" N-80	11.6#	0	7897'		228 Typelll poz	114	4370' (CBL)	

RCVD AUG 21 '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"	7804'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	7668	7828	7674-7828	0.40	26	Open, producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7674-7828	750 gal 15% HCl, Frac w/ 580 bbl 2% KCl water and 1519000 scf N2 (70% foam) with 81000 # 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
8-14-12	8-15-12	24	→	0	454	18			Flowing, rate calc from Dak/MV flow test using subtraction method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
32/64	NA	320	→	0	454	18		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 20 2012

NMOCD

FARMINGTON FIELD OFFICE
BY TL Salyers

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 "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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Pictured Cliffs	3542	3641	Sandstone	Pictured Cliffs	3542'
Lewis	3641	4465	Shale	Mesa Verde	4465'
Mesa Verde	4465	5733	Sandstone/Shale	Greenhorn	7591'
Mancos	5733	7591	Shale/Sandstones	Dakota	7668'
Greenhorn	7591	7646	Limestone		
Graneros	7646	7668	Sandstone		
Dakota	7668	Not reached	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 NOTE: Logs submitted to NMOCD

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) Loren DiedeTitle Contract AgentSignature Date 08/17/2012

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

(Continued on page 3)

(Form 3160-4, page 2)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 20 2012

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office
Bureau of Land ManagementLease Serial No.
Jicarilla Contract 102

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe	
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., Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator EnerVest Operating, LLC		8. Lease Name and Well No. Jicarilla Apache 102 # 13M	
3. Address 1001 Fannin, Suite 800 Houston, TX 77002-6707		9. API Well No. 30-039-30036-0002	
3a. Phone No. (include area code) 713-659-3500		10. Field and Pool or Exploratory Blanco Mesa Verde	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 1970' FSL & 2100' FEL, Unit J, Sec 10, T26N, R04W At surface Same At top prod. interval reported below At total depth Same, (vertical well)		11. Sec., T., R., M., on Block and Survey or Area Sec 10, T26N, R04W	
14. Date Spudded 06/07/2012		15. Date T.D. Reached 06/25/2012	
16. Date Completed 08/16/2012 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17. Elevations (DF, RKB, RT, GL)* 6814' GL, 6827' KB	
18. Total Depth MD 7898' TVD 7898'		19. Plug Back T.D.: MD 7881' TVD 7881'	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CBL, GR/RMT (pulsed neutron)	
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)			

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" J-55	36#	0	510'		238 sx Type III	59	Surf (circ)	
8 3/4"	7" J-55	23#	0	3875'	3115'	415 Type III poz	141	1000' (TS)	
6 1/4"	4 1/2" N-80	11.6#	0	7897'		228 Type III poz	114	4370' (CBL)	

RCVD AUG 21 '12
OIL CONS. DIV.
DIST. 3

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7804'							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesa Verde	5645	5733	5672-5727	0.40	27	Open, producing
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
5672-5727	750 gal 15% HCl, Frac w/ 625 bbl 2% KCl water and 795000 scf N2 (70% foam) with 105721 # 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
8-7-12	8-9-12	24	→	0	686	16			Flowing ✓
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
38/64	NA	110	→	0	686	16		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)

ACCEPTED FOR RECORD

AUG 20 2012

NMOCD AV

FARMINGT FIELD OFFICE
BY_

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 "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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Pictured Cliffs	3542	3641	Sandstone	Pictured Cliffs	3542'
Lewis	3641	4465	Shale	Mesa Verde	4465'
Mesa Verde	4465	5733	Sandstone/Shale	Greenhorn	7591'
Mancos	5733	7591	Shale/Sandstones	Dakota	7668'
Greenhorn	7591	7646	Limestone		
Graneros	7646	7668	Sandstone		
Dakota	7668	Not reached	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: NOTE: Logs submitted to NMOCD

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) Loren DiedeTitle Contract AgentSignature Date 08/17/2012

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.

(Continued on page 3)

(Form 3160-4, page 2)