Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCT 21 2013
Farmington Field Office
Bureau of Land Management

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. Jicarilla Contract 110

1a. Type of Well ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name: Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.: Report To Lease

2. Name of Operator: EnerVest Operating, L.L.C.

8. Lease Name and Well No.: Jicarilla A #7M

3. Address: 1001 Fannin St., Suite 800, Houston, TX 77002

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

9. API Well No.: 30-039-31174 -DOC 1

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

At surface: 1268' FSL & 1658' FWL (UL N), Sec. 17 T26N R05W

At top prod. interval reported below

At total depth: 1258' FSL & 1653' FWL (UL N), Sec. 17 T26N R05W

10. Field and Pool or Exploratory: Basin Dakota

11. Sec., T., R., M., on Block and Survey or Area: Sec. 17 T26N R05W

12. County or Parish: Rio Arriba

13. State: NM

14. Date Spudded: 05/12/2013

15. Date T.D. Reached: 05/18/2013

16. Date Completed: ☐ D & A ☑ Ready to Prod. 10/02/2013

17. Elevations (DF, RKB, RT, GL)*: 6676' GL

18. Total Depth: MD 7740' TVD 7739'

19. Plug Back T.D.: MD 7695' TVD 7694'

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	523'		225 sx Type III	56 bbls	Surf (circ)	
7 7/8"	4 1/2" N-80	11.6#	0	7736'		1171 sxs cmt	209 bbls	Surf (circ)	
						(100sx Type III	(3 stg cmt job)		
						+ 1071sx Pr. Lt.)			

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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"	7585'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Dakota	7387'	TD	7388' - 7620'	0.40"	61	Open, Producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7388' - 7437' (26 holes)	750 gal 15% HCl, frac w/63,000# 20/40 sand & 2679 bbls slickwater
7519' - 7620' (35 holes)	966 gal 15% HCl, frac w/144,000# 20/40 sand & 4100 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
09/24/13	10/09/13	24	→	27.07	319.68	36.51			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
0/64"	n/a	772 psi	→	27.07	319.68	36.51		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
			→					

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FARMINGTON FIELD OFFICE
BY William Tambekou

*(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.)*

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	2511'	2790'		Menefee	4873'
Kirtland	2790'	3045'		Point Lookout	5387'
Fruitland Coal	3045'	3142'		Dakota	7387'
Picture Cliffs	3142'	3240'			
Lewis Shale	3240'	4073'			
Chacra	4073'	4822'			
Cliffhouse	4822'	4873'			
Menefee	4873'	5387'			
Point Lookout	5387'	5887'			
Mancos (Regulatory)	5887'	6549'			
Gallup	6549'	7298'			
Greenhorn	7298'	7360'			
Graneros	7360'	7387'			
Dakota	7387'	TD			

32. Additional remarks (include plugging procedure):

Logs, C-102 (As-Drilled) and Wellbore Diagram submitted with original completion report dated 10/11/2013.

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 Treviño Title Regulatory Analyst

Signature Date 10/16/2013

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)

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

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At top prod. interval reported below

At total depth: 1258' FSL & 1653' FWL (UL N), Sec. 17 T26N R05W

10. Field and Pool or Exploratory: Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area: Sec. 17 T26N R05W

12. County or Parish: Rio Arriba

13. State: NM

14. Date Spudded: 05/12/2013

15. Date T.D. Reached: 05/18/2013

16. Date Completed: ☐ D & A ☑ Ready to Prod. 10/02/2013

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18. Total Depth: MD 7740' TVD 7739'

19. Plug Back T.D.: MD 7695' TVD 7694'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
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Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

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						(100sx Type III	(3 stg cmt job)		
						+ 1071sx Pr. Lt.)			

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Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7585'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde	4822'	5887'	4898' - 5499'	0.40"	70	Open, Producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4898' - 4944' (26 holes)	750 gal 15% HCl, frac w/81,680# 20/40 sand, 20,560# 20/40 resin-coated sand, 944 bbls gelwater, and 1,024,124 scf N2
5246' - 5499' (44 holes)	1000 gal 15% HCl, frac w/164,240# 20/40 sand, 42,900# 20/40 resin-coated sand, 1572 bbls gelwater, and 2,000,571 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
09/24/13	10/09/13	24	→	19.61	390.72	26.44			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
0/64"	n/a	772 psi	→	19.61	390.72	26.44		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
			→					

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BY William Tambekou

*(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.)*

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(Continued on page 3)