

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 23 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office

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. Jicarilla Contract 110	
b. Type of Completion: <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.,		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe	
Other: _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator EnerVest Operating, L.L.C.		8. Lease Name and Well No. Jicarilla A #2F	
3. Address 1001 Fannin Street, Ste. 800, Houston, TX 77002		9. API Well No. 30-039-31166 - 00C2	
3a. Phone No. (include area code) 713-659-3500		10. Field and Pool or Exploratory Blanco Mesaverde	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 1850' FNL & 1045' FEL (UL H), Sec. 18 T26N R05W At surface At top prod. interval reported below At total depth 1881' FNL & 1062' (UL H), Sec. 18 T26N R05W		11. Sec., T., R., M., on Block and Survey or Area Sec. 18 T26N R05W	
14. Date Spudded 05/04/2013		15. Date T.D. Reached 05/08/2013	
16. Date Completed 09/20/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 6689' GL	
18. Total Depth: MD 7772' TVD 7772'		19. Plug Back T.D.: MD 7720' TVD 7720'	
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? <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)			

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 Sk. & 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)	
8 3/4"			0	3418'					
7 7/8"	5 1/2"	17#	0	7767'		1159 sx Prem Lt	481 bbls	Surf (circ)	
						(3 stg cmt job)			

RCVD SEP 27 '13
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 7/8"	7561'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Blanco Mesaverde	4421'	5887'	4910' - 5518'	0.40"	80	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4910' - 5296' (42 holes)	29.7 bbls 15% HCl & bio-balls, frac w/193,000# 20/40 sand, 1,218 bbls gelwater, and 1,604,100 scf N2
5412' - 5518' (38 holes)	19.3 bbls 15% HCl & bio-balls, frac w/170,000# 20/40 sand, 1,150 bbls gelwater, and 1,466,300 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
08/30/13	09/15/13	24	→	0	374.1	0			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	n/a	113 psi	→	0	374.1	0		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)

SEP 26 2013

NMOCD

William Tambekou

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 w/ "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
Ojo Alamo Kirtland	2562' 2795'	2795' 3054'		Menefee Point Lookout	4858' 5400'
Fruitland Coal Pictured Cliffs	3054' 3171'	3171' 3263'		Dakota	7373'
Lewis Shale Chacra	3263' 4087'	4087' 4822'			
Cliffhouse Menefee	4822' 4858'	4858' 5387'			
Point Lookout Manos (Regulatory)	5400' 5900'	5900' 6565'			
Gallup Greenhorn	6565' 7294'	7294' 7350'			
Graneros Dakota	7350' 7373'	7373' TD			

32. Additional remarks (include plugging procedure):

- GR/CCL/CBL & RMT log online in NMOCD log file.

- C-104 Test Allowable expired 9/18/2013, well shut in @ end of day 9/18/2013. Will be put back on production when C-104 for new well have been approved.

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 TreviñoTitle Regulatory AnalystSignature Date 09/23/2013

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)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 23 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Houston 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: _____

5. Lease Serial No.

Jicarilla Contract 110

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

7. Unit or CA Agreement Name and No.

2. Name of Operator
EnerVest Operating, L.L.C.8. Lease Name and Well No.
Jicarilla A #2F3. Address
1001 Fannin Street, Ste. 800, Houston, TX 770023a. Phone No. (include area code)
713-659-35009. API Well No.
30-039-31166-0001

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

1850' FNL & 1045' FEL (UL H), Sec. 18 T26N R05W

10. Field and Pool or Exploratory
Basin Dakota11. Sec., T., R., M., on Block and
Survey or Area
Sec. 18 T26N R05W12. County or Parish
Rio Arriba13. State
NM

At top prod. interval reported below

At total depth 1881' FNL & 1062' (UL H), Sec. 18 T26N R05W

14. Date Spudded
05/04/201315. Date T.D. Reached
05/08/201316. Date Completed 09/20/2013
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
6689' GL18. Total Depth: MD 7772'
TVD 7772'19. Plug Back T.D.: MD 7720'
TVD 7720'20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CCL/CBL & RMT22. 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	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)	
8 3/4"			0	3418'					
7 7/8"	5 1/2"	17#	0	7767'		1159 sx Prem Lt (3 stg cmt job)	481 bbls	Surf (circ)	

RCVD SEP 27 2013
OIL GUNS 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 7/8"	7561'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7373'	TD	7377' - 7599'	0.40"	62	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7377' - 7421' (26 holes)	21 bbls 15% HCl & bio-balls, frac w/66,000# 20/40 sand and 2,280 bbls slickwater
7502' - 7599' (36 holes)	23.9 bbls 15% HCl & bio-balls, frac w/159,000# 20/40 sand and 4,300 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
08/30/13	09/15/13	24	→	0	270.9	0			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	n/a	113 psi	→	0	270.9	0		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)

SEP 26 2013

NMOCDA

WILLIAM TAMBORON

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 w/ "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
Ojo Alamo	2562'	2795'		Menefee	4858'
Kirtland	2795'	3054'		Point Lookout	5400'
Fruitland Coal	3054'	3171'		Dakota	7373'
Pictured Cliffs	3171'	3263'			
Lewis Shale	3263'	4087'			
Chacra	4087'	4822'			
Cliffhouse	4822'	4858'			
Menefee	4858'	5387'			
Point Lookout	5400'	5900'			
Mancos (Regulatory)	5900'	6565'			
Gallup	6565'	7294'			
Greenhorn	7294'	7350'			
Graneros	7350'	7373'			
Dakota	7373'	TD			

32. Additional remarks (include plugging procedure):

- GR/CCL/CBL & RMT log online in NMOCD log file.

- C-104 Test Allowable expired 9/18/2013, well shut in @ end of day 9/18/2013. Will be put back on production when C-104 for new well have been approved.

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 09/23/2013

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.