

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB NO. 1004-0137

Expires: March 31, 2007

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 110

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

Other

b. Type of Completion

☒ New Well☐ Workover☐ Deepen☒ Plug Back☐ Diff. Resvr.

Other

FARMINGTON FIELD OFFICE
Bureau of Land Management

INDIAN ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT

8. FARM OR LEASE NAME

Jicarilla A #7F

9. API WELL NO.

30-039-31171-0001

10. FIELD NAME

Basin Dakota

11. SEC. T, R, M., OR BLOCK AND SURVEY

OR AREA Sec 17, T26N, R05W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

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)

713-970-1847

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

At surface

660' FNL & 2053' FWL Unit Letter C, Sec. 17, T26N, R05W

At top prod. Interval reported below

At total depth

Same (vertical well)

14. Date Spudded

3/17/2014

15. Date T.D. Reached

3/24/2014

16. Date Completed

D & A

x Ready to Prod.

5/22/2014

17. ELEVATIONS (DF, RKB, RT, GR, etc.)*

6640' GR; 6653' RKB

18. Total Depth:

MD

7619'

TVD

7619'

19. Plug back T.D.:

MD

7618'

TVD

7618'

20. Depth Bridge Plug Set:

MD

TVD

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

Cased-hole GR/Neutron after casing

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"	8 5/8" J-55	24#	0	505'		297 Tyle III	73 1/2	Surf (circ)	
7 7/8"	4 1/2 N-80	11.6#	0	7614'	2521	522 Prem lite	30	Surface (circ)	
					4420	273 Prem lite	103		
						50 Type III	12		
						355 Prem lite	134		
						50 Type III	12		

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", 4.7# J-55	7479'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Dakota			7360-7410'	0.40"	84	Open, producing
B) Dakota			7449-7588'	0.40"	156	Open, producing
C)						
D)						

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

Depth Interval	Amount and Type of Material
7360-7410'	Acidize w/1000 gal 15% HCl & balls. Frac w/1134000 gal 20# XL gel and 175180# 20/40 sand @ 50.3 bpm & 3830 psi.
7449-7588'	Acidize w/1000 gal 15% HCl & balls. Frac w/135660 gal 20# XL gel and 255262# sand @ 50 bp, & 3492 psi.

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
5/22/2014	5/31/2014	24	→	23	256	41			Flowing
Choke Size	Tbg. Press Flwa. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
64/64		157	→	23	256	41		Producing	

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JUN 09 2014

FARMINGTON FIELD OFFICE
BY: J.L. Salyers

NMOCU

28b. 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 Flwe. SI	Csg Press.	24 Hr. Rate →	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	

28c. 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 Flwe. 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
Ojo Alamo	2524				
Kirtland	2713				
Fruitland Coal	3004				
Pictured Cliffs	3107				
Lewwis Shale	3198'				
Chacra	4047				
Cliffhouse	4787				
Menefee	4840				
Point Lookout	5354				
Mancos	5521				
Gallup	6532				
Greenhorn	7270'				
Graneros Shale	7330				
Dakota	7359				

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: *wellbore schematic*

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) Jeanie McMillan

Title Sr. Regulatory Analyst

Signature

Jeanie McMillan

Date 6/2/2014

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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b. Type of Completion

☒ New Well

☐ Workover

☐ Deepen

☐ Plug Back

☐ Diff. Resvr.

Other

6. INDIAN ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT

2. Name of Operator

EnerVest Operating, L.L.C.

OIL CONS. DIV DIST. 3

JUN 12 2014

8. FARM OR LEASE NAME

Jicarilla A #7F

3. Address

1001 Fannin Street Ste. 800, Houston, Tx 77002

3a. Phone No. (include area code)

713-495-5355

9. API WELL NO.

30-039-31171-0062

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

At surface

660' FNL & 2053' FWL Unit Letter C, Sec. 17, T26N, R05W

At top prod. Interval reported below

At total depth

Same (vertical well)

10. FIELD NAME

Blanco Mesaverde

11. SEC. T, R, M, OR BLOCK AND SURVEY OR AREA

Sec 17, T26N, R05W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

14. Date Spudded

3/17/2014

15. Date T.D. Reached

3/24/2014

16. Date Completed

D & A x Ready to Prod.

5/22/2014

17. ELEVATIONS (DF, RKB, RT, GR, etc.)*

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

Cased-hole GR/Neutron after casing

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
12 1/4"	8 5/8" J-55	24#	0	505'		297 Tyle III	73 1/2	Surf (circ)	
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					4420	273 Prem lite	103		
						50 Type III	12		
						365 Prem lite	134		
						50 Type III	12		

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", 4.7# J-55	7479'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Mesa Verde			4862-4903'	0.40"	63	Open, producing
B) Mesa Verde			5028-5080"	0.40"	81	Open, producing
C) Mesa Verde			5164-5246'	0.40"	84	Open, producing
D) Mesa Verde			5306-5422'	0.40"	105	Open, producing

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

Depth Interval	Amount and Type of Material
4862-4903'	Acidize w/1000 gal 15% HCl & balls. Frac w/90000 gal 70-60% N2 foam (34860 gal 20# gel + 1099000 scf N2) & 124710# 20/40 s @ 50-60 bpm and 2164 psi.
5028-5080'	Acidize w/1000 gal 15% HCl & balls. Frac w/105000 gal 70-60% N2 foam (43134 gal 20# gel + 1283000 scf N2) & 153685# 20/40 sd @ 50-60 bpm & 3100 psi.
5164-5246'	Acidize w/1000 gal 15% HCl & balls. Frac w/117000 gal 70-60% N2 foam (51156 gal 20# gel + 1523500 scf N2 & d 167680# 20/40 sd @ 50-60 bpm & d 3570 psi.
5306-5422'	Acidize w/1000 gal 15% HCl & balls, Frac w/155000 gal 70-60% N2 foam. (60900 gal 20# gel + 1903000 scf N2) & 249160# 20/40 sd @ 50-60 bpm & 3086 psi.

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
5/22/2014	5/31/2014	24	→	29	300	66			Flowing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
64/64	SI	157	→	29	300	66		Producing	

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

ACCEPTED FOR RECORD

NMOCDA

JUN 09 2014

FARMINGTON FIELD OFFICE
BY: TL Salyers

28b. 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	

28c. 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	

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.

31. Formation (Log) Markers:

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Ojo Alamo	2524				
Kirtland	2713				
Fruitland Coal	3004				
Pictured Cliffs	3107				
Lewis Shale	3198'				
Chacra	4047				
Cliffhouse	4787				
Menefee	4840				
Point Lookout	5354				
Mancos	5521				
Gallup	6532				
Greenhorn	7270'				
Graneros Shale	7330				
Dakota	7359				

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)
☐ Sundry Notice for plugging and cement verification

☐ Geologic Report
☐ Core Analysis

☐ DST Report
☐ Directional Survey

☒ Other: *Wellbore schematic*

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) Jeanie McMillan

Title Sr. Regulatory Analyst

Signature

Jeanie McMillan

Date 6/2/2014

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