

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
- b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr.  
Other \_\_\_\_\_

2. Name of Operator

EnerVec Operator II

3. Address

1001 Fannin St Ste 800 Houston Tx 77002

3a. Phone No. (include area code)

713-495-6537

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

At surface UL B 750' FNL &amp; 2240' FEL Lat 36.492361 Long 107.381444

At top prod. interval reported below

At total depth

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

☐ D & A☒ Ready to Prod.

4/27/11

6/17/11

7/22/11

18. Total Depth: MD  
TVD

7,675

19. Plug Back T.D.: MD  
TVD

7,644

20. Depth Bridge Plug Set:

MD

TVD

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

22. Was well cored?

☒ No☐ Yes (Submit analysis)

Was DST run

☒ No☐ Yes (Submit report)

Directional Survey?

☒ No☐ Yes (Submit copy)

Spec Den/Array Comp/True Resis

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"	36	0	408		200			
	J55 STC								
8 3/4"	7"	23	0	3570		510			
	N80 LTC								
6 1/4"	4 1/2"	11.6	3550	7665		390			
	N80 LTC								

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"	7,543'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7402		7402 to 7628	0.400	114	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7402 to 7628	80,000# 20/40 Brown Sd plus 3172 BFF.

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
7/23/11	7/27/11	24	→	33	327	17			Flows from well
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
64/64	580	841	→	33	327	17		PGW	

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.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

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

5. Lease Serial No.

JTC 110

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Jicarilla A No. 8M

9. API Well No.

30-039-29848-00-C1

10. Field and Pool, or Exploratory

Basin Dakota

11. Sec., T., R., M., or Block and Survey or Area

UL B. Sec 17. 26N. 05W

12. County or Parish

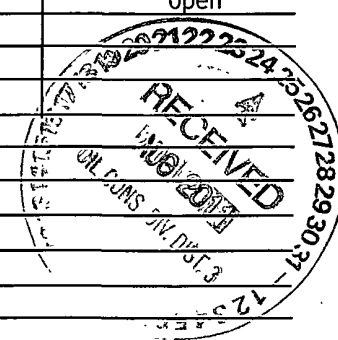
13. State

Rio Arriba

NM

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

6.665' GL

☐ Yes (Submit analysis)☐ Yes (Submit report)☐ Yes (Submit copy)

ACCEPTED FOR RECORD

AUG 2 2 2011

FARMINGTON FIELD OFFICE  
BY SCU

NMOCD A

## 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. →	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. →	Oil BBL	Gas MCF	Water BBL	Gas. Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc)

## 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
Châcra	4103		Siltstone		
Mesaverde	4880		Coal, Sandstone, Shale		
Mancos Shale	5582		Shale		
Gallup	6612		Siltstone, Shale		
Dakota	7402		Sandstone, Shale, Coal		

32. Additional remarks (include plugging procedure):

8/18/11 revised to show correct PBTD of 7644' and to revise Test Data based on new allocations.

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) Bridget HelfrichTitle Regulatory Tech.

Signature

Bridget HelfrichDate 8/18/11

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 MANAGEMENTFORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5<sup>th</sup> Eease Serial No

JIC 110

AUG 19 2011

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion. ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other

16 If Indian, Allottee or Tribe Name

Jicarilla Apache

17 Unit or CA Agreement Name and No

Jicarilla

2. Name of Operator

EnerVest Operating, LLC

3 Address

1001 Fannin St Ste 800 Houston, Tx 77002

3a Phone No. (include area code)

713-495-6537

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

At surface UL B 750' FNL &amp; 2240' FEL Lat 36.492361 Long 107.381444

At top prod. interval reported below

At total depth

8 Lease Name and Well No.

Jicarilla A No. 8M

9 API Well No.

30-039-29848-00-C2

10 Field and Pool, or Exploratory  
Tapacito-Gallup11 Sec., T., R., M., or Block and  
Survey or Area

UL B, Sec 17, 26N, 05W

12. County or Parish

Rio Arriba

13 State

NM

14 Date Spudded

4/27/11

15. Date T D Reached

6/17/11

16 Date Completed

☐ D & A☒ Ready to Prod

7/22/11

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

6,665' GL

18. Total Depth MD

7,675

TVD

19 Plug Back T.D. MD

7,644

TVD

20 Depth Bridge Plug Set: MD

TVD

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

22 Was well cored?

☒ No☐ Yes (Submit analysis)

Was DST run

☒ No☐ Yes (Submit report)

Directional Survey?

☒ No☐ Yes (Submit copy)

Spec Den/Array Comp/True Resis

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"	36	0	408		200			
	J55 STC								
8 3/4"	7"	23	0	3570		510			
	N80 LTC								
6 1/4"	4 1/2"	11.6	3550	7665		390			
	N80 LTC								

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"	7,543'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Tapacito-Gallup	6612		6898 to 6923	0.400	36	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6898 to 6923	30,000# 20/40 Brown Sd plus 1071 BFF.

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
7/27/11	7/27/11	24	→	6	58	3			Flows from well
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
64/64	580	841	→	6	58	3		PGW	

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	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

AUG 22 2011

FARMINGTON FIELD OFFICE  
BY SA

NMOC

## 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 →	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 →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

29 Disposition of Gas (*Sold, used for fuel, vented, etc*)

## 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
Chacra	4103		Siltstone		
Mesaverde	4880		Coal, Sandstone, Shale		
Mancos Shale	5582		Shale		
Gallup	6612		Siltstone, Shale		
Dakota	7402		Sandstone, Shale, Coal		

## 32 Additional remarks (include plugging procedure)

8/18/11 revised to show correct PBTD of 7644' and to revise Test Data based on new allocations.

## 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) Bridget HelfrichTitle Regulatory Tech.Signature Bridget HelfrichDate 8/18/11

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
- b. Type of Completion. ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator

EnerVest Oper ir ll

3. Address:

1001 Fannin St Ste 800 Houston Tx 77002

3a. Phone No. (include area code)

713-495-6537

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

At surface UL B 750' FNL &amp; 2240' FEL Lat 36.492361 Long 107.381444

At top prod. interval reported below

At total depth

14. Date Spudded

4/27/11

15. Date T.D. Reached

6/17/11

16. Date Completed

☐ D & A☒ Ready to Prod.18. Total Depth: MD  
TVD

7,675

19. Plug Back T.D.: MD  
TVD

7,644

20. Depth Bridge Plug Set: MD  
TVD

6.665' GL

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

Spec Den/Array Comp/True Resis

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"	36	0	408		200			
	J55 STC								
8 3/4"	7"	23	0	3570		510			
	N80 LTC								
6 1/4"	4 1/2"	11.6	3550	7665		390			
	N80 LTC								

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"	7,543'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Blanco Mesaverde	4880		5284 to 5532	0.400	104	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5284 to 5532	135.675# 20/40 Brown Sd plus 3675 BFF.

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
7/23/11	7/27/11	24	→	26	257	14			Flows from well
Choke Size	Tbg Press Flwg. SI	Csg Press	24 Hr	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
64/64	580	841	→	26	257	14		PGW	

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	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

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

5. Lease Serial No.

JTC 110

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Jicarilla A No. 8M

9. API Well No:

30-039-29848-00-C3

10. Field and Pool, or Exploratory

Blanco Mesaverde

11. Sec., T., R., M., or Block and Survey or Area

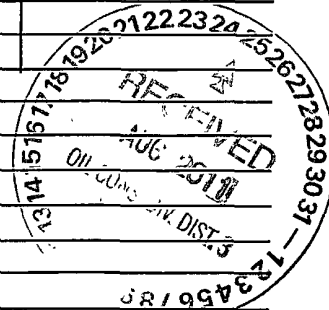
UL B. Sec 17. 26N, 05W

12. County or Parish

13. State

Rio Arriba NM

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



NMOCD

## 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. →	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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29 Disposition of Gas (Sold, used for fuel, vented, etc)

## 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
Chacra	4103		Siltstone		
Mesaverde	4880		Coal, Sandstone, Shale		
Mancos Shale	5582		Shale		
Gallup	6612		Siltstone, Shale		
Dakota	7402		Sandstone, Shale, Coal		

## 32. Additional remarks (include plugging procedure):

8/18/11 revised to show correct PBTD of 7644' and to revise Test Data based on new allocations.

## 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) Bridget HelfrichTitle Regulatory Tech.

Signature

Bridget HelfrichDate 8/18/11

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.