

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
AUG 04 2014

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

FANNIN STREET CIRCLE INDIAN ALLOTTEE OR TRIBE NAME
Bureau of Land Managementb. Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.

Other

Jicarilla Apache Tribe

7. UNIT AGREEMENT

2. Name of Operator

EnerVest Operating, L.L.C.

OIL CONS. DIV. DIST. 3

AUG 05 2014

8. FARM OR LEASE NAME

Jicarilla A #1M

3. Address

1001 Fannin Street Ste. 800, Houston, Tx 77002

3a. Phone No. (include area code)

713-659-3500

9. API WELL NO.

30-039-31172-0001

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

At surface

1807' FSL & 2527' FWL, Sec 18, T26N, R05W (UL K)

At top prod. Interval reported below

At total depth

Same (vertical well)

10. FIELD NAME

Basin Dakota

11. SEC. T, R, M., OR BLOCK AND SURVEY
OR AREA Sec 18, T26N, R05W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

NM

14. Date Spudded

5/11/2014

15. Date T.D. Reached

5/20/2014

16. Date Completed 08/01/2014

D & A

x

Ready to Prod.

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

6616' GL; 6629' KB

18. Total Depth:

MD

7615'

19. Plug back T.D.:

MD

7574'

20. Depth Bridge Plug Set:

MD

TVD

7615'

TVD

7574'

TVD

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

GR/CCL/CBL and GR/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 | Slurry Vol. (Bbl) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|------------|----------------------|-----------------------|-------------------|-------------|---------------|
| 12 1/4" | 8 5/8" J-55 | 24# | 0 | 523' | | 297 sx Type III | 74 bbls | Surf (circ) | |
| 7 7/8" | 4 1/2" N-80 | 11.6# | 0 | 7615' | 2532'/4432' | 1227 sx Type III It | 338 bbls | Surf (circ) | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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" | 7448' | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. of Holes | Perf. Status |
|-----------|-----|--------|---------------------|-------|--------------|-----------------|
| A) Dakota | | | 7313' - 7359' | 0.40" | 35 | Open, producing |
| B) Dakota | | | 7445' - 7540' | 0.40" | 38 | Open, producing |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 7313' - 7359' | 1000 gals 15% HCl, frac w/187351 # 20/40 mesh sand and 184234 gals 20# gel |
| 7445' - 7540' | 1000 gals 15% HCl, frac w/71593 # 20/40 mesh sand and 76003 gals 20# gel |
| | |
| | |

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 |
|---------------------|---------------------|--------------|-----------------|---------|---------|-----------|-----------------------|------------------|-------------------|
| 7/16/2014 | 7/27/2014 | 9 | → | 0 | 59 | 21 | | | 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 | 170 | 185 | → | 0 | 157 | 56 | | Ready to Produce | |

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 | |
| | | | → | | | | | | |

ACCEPTED FOR RECORD

AUG 04 2014

FARMINGTON FIELD OFFICE
BY: J.L. Salazar

NMCOB 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. 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 (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 | 2448' | | sandstone | Pictured Cliffs | 3052' |
| Kirtland | 2683' | | sandstone/shale | Cliffhouse | 4394' |
| Fruitland | 2913 | | coal | Point Lookout | 5300' |
| Pictured Cliffs | 3052' | | sandstone | Dakota | 7310' |
| Lewis Shale | 3133' | | shale | | |
| Chacara | 3986' | | sandstone | | |
| Cliffhouse | 4394' | | sandstone | | |
| Monefsee | 4809' | | sandstone/shale | | |
| Point Lookout | 5300' | | sandstone | | |
| Mancos | 5460' | | shale (regulatory top 5800') | | |
| Gallup | 6484 | | sandstone/shale | | |
| Greenhorn | 7225' | | limestone | | |
| Graneros | 7284' | | shale | | |
| Dakota | 7310' | | sandstone | | |

32. Additional remarks (include plugging procedure):

(Directional Survey and well logs previously submitted)

Production determined by WHC prorated %

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

☒ Other:

☒ Directional Survey

well logs

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) Michelle Doescher

Title Regulatory Consultant

Signature Michelle Doescher

Date 8/4/2014

Title 18 U.S.C. Section 1007 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.

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Other

OIL CONS. DIV DIST. 3

6. INDIAN ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

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At surface

1807' FSL & 2527' FWL, Sec 18, T26N, R05W (UL K)

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 18, T26N, R05W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

14. Date Spudded

5/11/2014

15. Date T.D. Reached

5/20/2014

16. Date Completed 08/01/2014

D & A x Ready to Prod.

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

6616' GL; 6629' KB

18. Total Depth:

MD

7615'

TVD

7615'

19. Plug back T.D.:

MD

7574'

TVD

7574'

20. Depth Bridge Plug Set:

MD

TVD

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

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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 | 523' | | 297 sx Type III | 74 bbls | Surf (circ) | |
| 7 7/8" | 4 1/2" N-80 | 11.6# | 0 | 7615' | 2532'/4432' | 1227 sx Type III lt | 338 bbls | Surf (circ) | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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" | 7448' | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. of Holes | Perf. Status |
|---------------|-----|--------|---------------------|-------|--------------|-----------------|
| A) Mesa Verde | | | 4782' - 5141' | 0.40" | 70 | Open, producing |
| B) Mesa Verde | | | 5179' - 5240' | 0.40" | 44 | Open, producing |
| C) Mesa Verde | | | 5318' - 5459' | 0.40" | 45 | Open, Producing |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 4782' - 5141' | 1000 gal 15% HCL, frac w/220153# 20/40 mesh sand and 153455 gals 70 - 60% N2 foam. |
| 5179' - 5240' | 1000 gals 15% HCL, frac w/144640# of 20/40 mesh sand and 90224 gals 70-60% N2 foam. |
| 5318' - 5459' | 1000 gals 15% HCL, frac w/161800# of 20/40 mesh sand and 105832 gals 70-60% N2 foam. |

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 |
|---------------------|---------------------|--------------|-----------------|---------|---------|-----------|-----------------------|------------------|-------------------|
| 7/16/2014 | 7/27/2014 | 9 | → | 0 | 108 | 23 | | | 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 | 170 | 185 | → | 0 | 288 | 61 | | Ready to Produce | |

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 | |
| | | | → | | | | | | |

ACCEPTED FOR RECORD

AUG 04 2014

FARMINGTON FIELD OFFICE
BY: TL Salvers

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 | |
| | | | → | | | | | | |

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 ☐ DST Report
 ☒ Directional Survey

☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: well logs

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Name (please print) Michelle DoescherTitle Regulatory Consultant

Signature

*Michelle Doescher*Date 8/4/2014

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