

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 23 2019

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office

5. Lease Serial No.

NMSF078144

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

Other: RECOMPLETE - Amended

2. Name of Operator

Hilcorp Energy Company

3. Address

382 Road 3100, Aztec, NM 87410

3a. Phone No. (include area code)
(505) 599-3400

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

At surface Unit G (SWNE), 1710' FNL & 1660' FEL

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded

1/27/1982

15. Date T.D. Reached

2/7/1982

16. Date Completed

2/8/2019

☐ D & A☒ Ready to Prod.

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

5837' GL

18. Total Depth:

6700'

19. Plug Back T.D.:

6680'

20. Depth Bridge Plug Set:

MD

TVD

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

MAY 02 2019

DISTRICT III

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 | 357' | n/a | 300 sx | | | None |
| 7 7/8" | 4 1/2" J-55 | 10.5# | 0 | 6700' | n/a | 1680 sx | | | None |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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" | 2091' | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|--------------------|-------|--------|---------------------|------|-----------|--------------|
| A) Pictured Cliffs | 2062' | 2091' | 4 SPF | .41" | 72 | open |
| B) | | | | | | |
| C) | | | | | | |
| D) TOTAL | | | | | 72 | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 2071'-2089' | Acidized w/1000 gals 15% HCL, frac'd w/183,160# 20/40 AZ sand w/sandwedge max additive, 59,808 gal #20 water gel, .34M SCF N2 @ 70Q, flushed w/11 foam bbls. |
| 2062'-2071' | Existing holes in casing |
| 2089'-2091' | Existing holes in casing |

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 |
|---------------------|----------------|---------------------|-----------------|---------|---------|-----------|-----------------------|--------------------------------|-------------------|
| N/A | 2/1/2019 | 1 | ➡ | 0 | 6 | 0 | n/a | n/a | flowing |
| Choke Size | Tbg. Press. SI | Csg. Press. Flowing | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| 14/64" | 350 psi | N/A | ➡ | 0 | 144 | 0 | n/a | ACCEPTED FOR RECORD Shut In | |

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 | |
| | | | ➡ | | | | | | |

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

APR 30 2019

FARMINGTON FIELD OFFICE
BY: [Signature]

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.)

Vented

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, 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 | 640' | 757' | White, cr-gr ss | Ojo Alamo | 640' |
| Kirtland | 757' | 1607' | Gry sh interbedded w/tight, gry, fine-gr ss | Kirtland | 757' |
| Fruitland | 1607' | 2062' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. | Fruitland | 1607' |
| Pictured Cliffs | 2062' | 2285' | Bn-Gry, fine grn, tight ss. | Pictured Cliffs | 2062' |
| Lewis | 2285' | | Shale w/ siltstone stringers | Lewis | 2285' |
| Chacra | | | Gry fn grn silty, glauconitic sd stone w/ drk gry shale | Chacra | |
| Mesa Verde | | 3808' | Light gry, med-fine gr ss, carb sh & coal | Mesaverde | |
| Menefee | 3808' | 4407' | Med-dark gry, fine gr ss, carb sh & coal | Menefee | 3808' |
| Point Lookout | 4407' | 4897' | Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation | Point Lookout | 4407' |
| Mancos | 4897' | 5656' | Dark gry carb sh. | Mancos | 4897' |
| Gallup | 5656' | | Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh. | Gallup | 5656' |
| Greenhorn | | | Highly calc gry sh w/ thin lmst. | Greenhorn | |
| Graneros | | 6600' | Dk gry shale, fossil & carb w/ pyrite incl. | Graneros | |
| Dakota | 6600' | | Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks | Dakota | 6600' |

32. Additional remarks (include plugging procedure):

The PC is currently non-productive and will be tested. The DK is isolated by a CIBP @ 2200' and will be drilled out after 90-days.

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) Cherylene WestonTitle Operations/Regulatory Technician-Sr.

Signature

Cherylene Weston

Date

4-29-19

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, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | | | | | | | | | |
|--|----------------------|--|---------------------|----------------|----------------------|------------------------------|-----------------------|-------------------|-------------------|
| 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. NMSF078144 | | | | | | | |
| b. Type of Completion: <input type="checkbox"/> New Well <input 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 | | | | | | | |
| Other: RECOMPLETE | | 7. Unit or CA Agreement Name and No. N/A | | | | | | | |
| 2. Name of Operator Hilcorp Energy Company | | 8. Lease Name and Well No. Pan American Federal Gas Com B 1E | | | | | | | |
| 3. Address 382 Road 3100, Aztec, NM 87410 | | 9. API Well No. 30-045-24842 | | | | | | | |
| 3a. Phone No. (include area code) (505) 599-3400 | | 10. Field and Pool or Exploratory Aztec Pictured Cliffs | | | | | | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Unit G (SWNE), 1710' FNL & 1660' FEL At top prod. Interval reported below Same as above At total depth Same as above | | 11. Sec., T., R., M., on Block and Survey or Area Sec. 31, T30N, R11W | | | | | | | |
| 14. Date Spudded 1/27/1982 | | 15. Date T.D. Reached 2/7/1982 | | | | | | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. | | 17. Elevations (DF, RKB, RT, GL)* 5837' GL | | | | | | | |
| 18. Total Depth: 6700' | | 19. Plug Back T.D.: 6680' | | | | | | | |
| 20. Depth Bridge Plug Set: MD TVD | | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) | | | | | | | |
| 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 checked="" type="checkbox"/> No <input 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 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 | 357' | n/a | 300 sx | | | None |
| 7 7/8" | 4 1/2" J-55 | 10.5# | 0 | 6700' | n/a | 1680 sx | | | None |
| 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" | 2091' | | | | | | | | |
| 25. Producing Intervals | | | | | | | | | |
| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status | | | |
| A) Pictured Cliffs | 2071' | 2089' | 4 SPF | .41" | 72 | open | | | |
| B) | | | | | | | | | |
| C) | | | | | | | | | |
| D) TOTAL | | | | | 72 | | | | |
| 26. Perforation Record | | | | | | | | | |
| 27. Acid, Fracture, Treatment, Cement Squeeze, etc. | | | | | | | | | |
| Depth Interval | | Amount and Type of Material | | | | | | | |
| 2071'-2089' | | Acidized w/1000 gals 15% HCL, frac'd w/183,160# 20/40 AZ sand w/sandwedge max additive, 59,808 gal #20 water gel, .34M SCF N2 @ 70Q, flushed w/11 foam bbls. | | | | | | | |
| 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 |
| N/A | 2/1/2019 | 1 | → | 0 | 6 | 0 | n/a | n/a | flowing |
| Choke Size | Tbg. Press. SI | Csg. Press. Flowing | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| 14/64" | 350 psi | N/A | → | 0 | 144 | 0 | n/a | Shut In | |
| 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 | |
| | | | → | | | | | | |

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

Dave Mankiewicz
4/2/19

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.)

Vented

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, 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 | 640' | 757' | White, cr-gr ss | Ojo Alamo | 640' |
| Kirtland | 757' | 1607' | Gry sh interbedded w/tight, gry, fine-gr ss | Kirtland | 757' |
| Fruitland | 1607' | 2062' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss. | Fruitland | 1607' |
| Pictured Cliffs | 2062' | 2285' | Bn-Gry, fine grn, tight ss | Pictured Cliffs | 2062' |
| Lewis | 2285' | ' | Shale w/ siltstone stringers | Lewis | 2285' |
| Chacara | | ' | Gry fn grn silty, glauconitic sd stone w/ drk gry shale | Chacara | ' |
| Mesa Verde | | 3808' | Light gry, med-fine gr ss, carb sh & coal | Mesaverde | ' |
| Menefee | 3808' | 4407' | Med-dark gry, fine gr ss, carb sh & coal | Menefee | 3808' |
| Point Lookout | 4407' | 4897' | Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation | Point Lookout | 4407' |
| Mancos | 4897' | 5656' | Dark gry carb sh. | Mancos | 4897' |
| Gallup | 5656' | ' | Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg interbed sh. | Gallup | 5656' |
| Greenhorn | | ' | Highly calc gry sh w/ thin lmst. | Greenhorn | ' |
| Graneros | | 6600' | Dk gry shale, fossil & carb w/ pyrite incl | Graneros | ' |
| Dakota | 6600' | | Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks | Dakota | 6600' |

32. Additional remarks (include plugging procedure):

The PC is currently non-productive and will be tested. The DK is isolated by a CIBP @ 2200' and will be drilled out after 90-days.

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)

Cherylene Weston

Title

Operations/Regulatory Technician-Sr.

Signature

Cherylene Weston

Date

2-21-19

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.