

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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 N (SESW), 955' FSL & 1515' FWL**
At top prod. Interval reported below
At total depth **Same as above**

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No. **Fogelson Gas Com 1E**

9. API Well No. **30-045-30274**

10. Field and Pool or Exploratory **Blanco Mesaverde**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 26, T30N, R11W, NMPM**

12. County or Parish **San Juan** 13. State **New Mexico**

14. Date Spudded **9/21/2000** 15. Date T.D. Reached **10/30/2000** 16. Date Completed **3/22/2019**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **5922' GL**

18. Total Depth: **7160'** 19. Plug Back T.D.: **7110'** 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & 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)

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	404'		250 sx			
7-7/8"	5-1/2" J-55	15.5#	0	7157'		1050 sx			

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"	6850'							

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Menfee	4299'	4587'	1 SPF	0.34"	26	Open
B) Point Lookout	4617'	4937'	1 SPF	0.34"	30	Open
C)						
D) TOTAL					56	

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

Depth Interval	Amount and Type of Material
4299' - 4587'	89,460 gals 70Q #20 gel foam @ 50 bpm, 140,000 #'s 20/40 AZ sand, N2: 1,113,504 scf, Flush: 102 fluid bbls.
4617' - 1937'	87,087 gal 70Q #20 Gel Foam @ 50 BPM, 152,660 #'s 20/40 AZ sand, N2: 838,692 SCF, Flush: 109 fluid 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
3/22/2019	3/21/2019	1	→	0	81 mcf	1 bbl	N/A	N/A	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1"	0	74 psi	→	0	1966 mcf	24 bbl	N/A	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.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

NMOCD

REC-2019
APR 19 2019
Farmington Field Office
Bureau of Land Management

SF-078144

NMOCD

APR 24 2019

DISTRICT III

ACCEPTED FOR RECORD
Producing

APR 24 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	950'		White, cr-gr ss	Ojo Alamo	950'
Kirtland	1101'		Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1101'
Fruitland	1750'		Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1750'
Pictured Cliffs	2303'		Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2303'
Lewis	2426'		Shale w/ siltstone stingers	Lewis	2426'
Huerfanito Bentonite	3020'			Huerfanito Bentonite	3020'
Chacra	3309'		Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3309'
Cliffhouse	3800'		Light gry, med-fine gr ss, carb sh & coal	Cliffhouse	3800'
Menefee	4017'		Med-dark gry, fine gr ss, carb sh & coal	Menefee	4017'
Point Lookout	4612'		Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4612'
Mancos	5112'		Dark gry carb sh.	Mancos	5112'
Gallup	5861'		Lt. gry to brn calc carb micac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5861'
Greenhorn	6601'		Highly calc gry sh w/ thin lmst.	Greenhorn	6601'
Graneros	6658'				6658'
Dakota	6720'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly & shale breaks	Dakota	6720'

32. Additional remarks (include plugging procedure):

Well is producing as Blanco Mesaverde / Basin Dakota commingle under DHC-4956-0.

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:

ACCEPTED FOR RECORD

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) Christine BrockTitle Operations/Regulatory Technician - SrSignature Christine BrockDate 4/18/19FARMINGTON FIELD OFFICE
BY: _____

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.

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 27 2019

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office
Bureau of Land Management

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. SF-078144	
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., Other: RECOMPLETE		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Hilcorp Energy Company		7. Unit or CA Agreement Name and No.	
3. Address 382 Road 3100, Aztec, NM 87410		8. Lease Name and Well No. Fogelson Gas Com 1E	
3a. Phone No. (include area code) (505) 599-3400		9. API Well No. 30-045-30274	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Unit N (SESW), 955' FSL & 1515' FWL At top prod. Interval reported below At total depth Same as above		10. Field and Pool or Exploratory Blanco Mesaverde	
15. Date T.D. Reached 10/30/2000		11. Sec., T., R., M., on Block and Survey or Area Sec. 26, T30N, R11W, NMPM	
16. Date Completed 3/22/2019 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		12. County or Parish San Juan	
17. Elevations (DF, RKB, RT, GL)* 5922' GL		13. State New Mexico	
18. Total Depth: 7160'		19. Plug Back T.D.: 7110'	
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	404'		250 sx			
7-7/8"	5-1/2" J-55	15.5#	0	7157'		1050 sx			

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"	6850'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Menfee	4299'	4587'	1 SPF	0.34"	26	Open
B) Point Lookout	4617'	4937'	1 SPF	0.34"	30	Open
C)						
D) TOTAL					56	

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

Depth Interval	Amount and Type of Material
4299' - 4587'	89,460 gals 70Q #20 gel foam @ 50 bpm, 140,000 #'s 20/40 AZ sand, N2: 1,113,504 scf, Flush: 102 fluid bbls.
4617' - 1937'	87,087 gal 70Q #20 Gel Foam @ 50 BPM, 152,660 #'s 20/40 AZ sand, N2: 838,692 SCF, Flush: 109 fluid 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
3/22/2019	3/21/2019	1	→	0	81 mcf	1 bbl	N/A	N/A	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1"	0	74 psi	→	0	1966 mcf	24 bbl	N/A	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			→						

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

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			White, cr-gr ss	Ojo Alamo	0
Kirtland			Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	0
Fruitland			Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	0
Pictured Cliffs			Br-Gry, fine grn, tight ss.	Pictured Cliffs	0
Lewis			Shale w/ siltstone stringers	Lewis	0
Huerfano Bentonite				Huerfano Bentonite	0
Chacra			Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	0
Cliffhouse			Light gry, med-fine gr ss, carb sh & coal	Cliffhouse	0
Menefee			Med-dark gry, fine gr ss, carb sh & coal	Menefee	0
Point Lookout			Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	0
Mancos			Dark gry carb sh.	Mancos	0
Gallup	5861'		Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5861'
Greenhorn	6601'		Highly calc gry sh w/ thin lmst.	Greenhorn	6601'
Graneros	6658'				6658'
Dakota	6720'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands clay & shale breaks	Dakota	6720'

32. Additional remarks (include plugging procedure):

Well is producing as Blanco Mesaverde / Basin Dakota commingle under DHC-4956-0.

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)

Christine Brock

Title

Operations/Regulatory Technician - Sr.

Signature

Christine Brock

Date

3/26/19

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.