

NMOC

DEC 04 2018

DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 13 2018

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

NMSF-046563

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

6. Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

N/A

2. Name of Operator

Hilcorp Energy Company

8. Lease Name and Well No.

Fred Feasel H 1F

3. Address

382 Road 3100, Aztec, NM 87410

3a. Phone No. (include area code)

(505) 599-3400

9. API Well No.

30-045-33367

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

At surface Unit B (NWNE), 665' FNL &amp; 1965' FEL

10. Field and Pool or Exploratory

Basin Dakota

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

Sec. 33, T28N, R10W

At top prod. Interval reported below

Same as above

12. County or Parish

San Juan

13. State

New Mexico

At total depth

Same as above

14. Date Spudded

7/20/2006

15. Date T.D. Reached

7/30/2006

16. Date Completed

11/7/2018

☐ D & A☒ Ready to Prod.

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

6144' GL

18. Total Depth:

7140'

19. Plug Back T.D.:

6770' (new)

20. Depth Bridge Plug Set:

6770' 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)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12-1/4"	8 5/8" K-55	24#	0	377'	n/a	255 sx			None
7 7/8"	5 1/2" J-55	15.5#	0	7138'	n/a	900 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"	6721'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Basin Dakota	6498'	6748'	1 SPF	.29"	50	open
TOTAL					50	

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

Depth Interval	Amount and Type of Material
6498'-6748'	Acidized w/500 gal 15% HCL, frac'd w/100,700# 20/40 AZ sand, 157,080 gal SW, 2.58M SCF N2 @ 70Q, flush w/150 bbl foam fluid

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
11/8/2018	11/7/2018	1	→	0	25	1	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	
16/64"	472	536	→	0	600	22	n/a	Flowing	

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)

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. 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.)

sold

## 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	1111'	1250'	White, cr-gr ss	Ojo Alamo	1111'
Kirtland	1250'	1686'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1250'
Fruitland	1686'	2109'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1686'
Pictured Cliffs	2109'	2306'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2109'
Lewis	2306'	3044'	Shale w/ siltstone stringers	Lewis	2306'
Chacra	3044'	3678'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3044'
Mesa Verde	3678'	3770'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	3678'
Menefee	3770'	4455'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3770'
Point Lookout	4455'	4791'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4455'
Mancos	4791'	5635'	Dark gry carb sh.	Mancos	4791'
Gallup	5635'	6402'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5635'
Greenhorn	6402'	6467'	Highly calc gry sh w/ thin lmst.	Greenhorn	6402'
Graneros	6467'	6497'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6467'
Dakota	6497'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6497'

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

**New perfs were added to the existing Dakota formation. The existing Burro Canyon perfs were covered by a 5.5" CIBP @ 6770'.**

## 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

11-13-18

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.