

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2018  
AUG 31 2013

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **NMSF-078518-A**  
Farmington Field Office  
Bureau of Land Management

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other: **RECOMPLETE - Amended**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
**Huerfano Unit**

2. Name of Operator  
**Hilcorp Energy Company**

8. Lease Name and Well No.  
**Huerfano Unit 137**

3. Address **382 Road 3100, Aztec, NM 87410** 3a. Phone No. (include area code)  
**(505) 599-3400**

9. API Well No.  
**30-045-13030**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **Unit J (NWSE), 1657' FSL & 1600' FEL**  
 At top prod. Interval reported below **Same as above**  
 At total depth **Same as above**

10. Field and Pool or Exploratory  
**Huerfano Pictured Cliffs**  
 11. Sec., T., R., M., on Block and Survey or Area  
**Sec. 31, T26N, R09W**  
 12. County or Parish **San Juan** 13. State **New Mexico**

14. Date Spudded **10/25/1962** 15. Date T.D. Reached **11/5/1962** 16. Date Completed **8/8/2018**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**6643' GL**

18. Total Depth: **6770'** 19. Plug Back T.D.: **6720'**

20. Depth Bridge Plug Set: **MD**  
**TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL 6/28/18**

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 Cements Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12-1/4"	9 5/8" N-80	43.5	0	327'	n/a	232 sx			None
6-3/4"	5 1/2" J-55	15.5	0	6770'	n/a	400 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"	2092'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>Pictured Cliffs</b>	<b>2054'</b>	<b>2126'</b>	<b>2 SPF</b>	<b>.42"</b>	<b>86</b>	<b>open</b>
B)						
C)						
D) <b>TOTAL</b>					<b>86</b>	

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>Pictured Cliffs</b>	<b>2054'</b>	<b>2126'</b>	<b>2 SPF</b>	<b>.42"</b>	<b>86</b>	<b>open</b>

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

Depth Interval	Amount and Type of Material
<b>2054'-2126'</b>	<b>Acidized w/500 GAL 15% HCL, frac'd w/ 152,000# 20/40 AZ sand / 95,200 Gal 70Q water gel #20 / .85M SCF N2</b>

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
<b>8/9/2018</b>	8/8/2018	1	→	0	384	0 bwph	n/a	n/a	<b>NMOC</b> <b>flowing</b>
Choke Size	Tbg. Press. SI	Csg. Press. Flowing	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
1/2"	403	403	→	0	0.53	0	n/a	<b>Flowing</b>	

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
			→						<b>SEP 06 2018</b>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					<b>FARMINGTON FIELD OFFICE</b> <b>By: William Tambekou</b>	

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	1164'	1322'	White, cr-gr ss	Ojo Alamo	1164'
Kirtland	1322'	1633'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1322'
Fruitland	1633'	2052'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1633'
Pictured Cliffs	2052'	2160'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2052'
Lewis	2160'	2925'	Shale w/ siltstone stringers	Lewis	2160'
Huerfano Bentonite	2440'				2440'
Chacra	2925'	3635'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2925'
Mesa Verde	3635'	3678'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	3635'
Menefee	3678'	4470'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3678'
Point Lookout	4470'	4856'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4470'
Mancos	4856'	5510'	Dark gry carb sh.	Mancos	4856'
Gallup	5510'	6426'	Lt. gry to brn calc carb micac gluac silts & very fine gry gr ss w/ irreg. interbed sh.	Gallup	5510'
Greenhorn	6426'	6484'	Highly calc gry sh w/ thin lmst.	Greenhorn	6426'
Graneros	6484'	'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6484'
Dakota			Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	'

32. Additional remarks (include plugging procedure):

**This well is now producing as a single PC well for testing. The DK CIBP will be drilled out at a later date & commingled w/PC.**

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 8-31-18

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.

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**CBL 6/28/18**

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Was DST run?  No  Yes (Submit report)

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-	
-	

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1/2"	403	403	<b>→</b>	0	0.53	0	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
			<b>→</b>						
Choke Size	Tbg. Press. SI	Csg. Press. Flowing	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			<b>→</b>						

**UNPROD**  
**AUG 29 2018**  
**DISTRICT III**

\*(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.)

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