

NMOCB

NOV 07 2018

RECEIVED  
OCT 30 2018

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **NM03154**

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**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No. **Ballard 14F**

3. Address **382 Road 3100, Aztec, NM 87410**

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

9. API Well No. **30-045-33910**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **Unit N (SESW), 985' FSL & 1380' FWL**  
 At top prod. Interval reported below  
 At total depth **Same as above**

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

11. Sec., T., R., M., on Block and Survey or Area **Sec. 14, T26N, R09W, NMPM**

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

14. Date Spudded **1/16/2007**

15. Date T.D. Reached **2/3/2007**

16. Date Completed **10/20/2018**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **6353' GL**

18. Total Depth: **6767'**

19. Plug Back T.D.: **6764'**

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **Temp & Sound Log**

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	361'		250 sx (295 cf)			
7-7/8"	4-1/2" N-80	11.6#	0	6765'		1167 sx (2166 cf)			

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"	6636'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>Cliffhouse</b>	<b>3586'</b>	<b>3594'</b>	<b>6 SPF</b>	<b>0.42"</b>	<b>48</b>	<b>Open</b>
B)						
C)						
D) <b>TOTAL</b>					<b>48</b>	

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

Depth Interval	Amount and Type of Material
<b>3586' - 3594'</b>	Acidized w/1000 gal 15% HCL
<b>3495' - 3596'</b>	Cement Squeeze w/ 150 sx (173 cf - 31 = 1.15 yld) Type G cement

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>10/23/2018</b>	N/A	N/A	→	N/A	N/A	N/A	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	
	N/A	N/A	→	N/A	N/A	N/A	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)

NMOCB

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	1222'	1323'	White, cr-gr ss	Ojo Alamo	1222'
Kirtland	1323'	1753'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1323'
Fruitland	1753'	2025'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1753'
Pictured Cliffs	2025'	2100'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2025'
Lewis	2100'	2896'	Shale w/ siltstone stringers	Lewis	2100'
Chacra	2896'	3585'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2896'
Cliffhouse	3585'	3664'	Light gry, med-fine gr ss, carb sh & coal	Cliffhouse	3585'
Menefee	3664'	4437'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3664'
Point Lookout	4437'	4705'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4437'
Mancos	4705'	5481'	Dark gry carb sh.	Mancos	4705'
Gallup	5481'	6337'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5481'
Greenhorn	6337'		Highly calc gry sh w/ thin lmst.	Greenhorn	6337'
Dakota	6418'		Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly & shale breaks	Dakota	6418'

32. Additional remarks (include plugging procedure):

**Well is now producing as Blanco Mesaverde / Basin Dakota commingle under DHC-4084 AZ.**

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 10/30/18

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.