

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.

NMSF077833A

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. 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.: **Mansfield 11**

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

9. API Well No.: **30-045-20992**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface: **Unit N (SE/SW), 830' FSL & 1840' FWL**
 At top prod. Interval reported below: **Same as above**
 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 29, T30N, R09W**
 12. County or Parish: **San Juan** 13. State: **New Mexico**

14. Date Spudded: **7/23/1972** 15. Date T.D. Reached: **8/11/1972** 16. Date Completed: **5/4/2019**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: **5923' GL**

18. Total Depth: **7253'** 19. Plug Back T.D.: **7239'** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): **CBL**
 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
13-3/4"	9-5/8", H-40	32.3#	0	229'	n/a	224 cu ft		0	
7-7/8"	4-1/2", J-55	10.5#/11.6#	0	7253'	5028' & 2752'	1395 cu ft		1660' (3rd stage)	

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"	7065'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	4778'	4912'	1 spf		45	Open
B) Cliffhouse/Menefee	4190'	4571'	1 spf		45	Open
C)						
D) Total					90	

26. Perforation Record

Depth Interval	Amount and Type of Material
5070' and 5170'	Sqz'd perf holes w/ 65 sx Class G 1.18 yd 15.6 wt 13.6 bbl slurry.
3930' and 4030'	Sqz'd perf holes w/ 65 sx Class G 1.18 yd 15.6 wt 13.6 bbl slurry. Re-sqz'd w/ 19 sx 4.5 bbls Type III cmt 14.6#.
4778'-4912'	Foam frac'd Pt. Lookout w/ 142,100 lbs 40/70 and 37,706 gal slickwater and 1.11 million SCF N2. 70 Quality.
4190'-4571'	Foam frac'd Cliffhouse/Menefee w/ 232,500 lbs 40/70 and 57,231 gal slickwater and 1.70 million SCF N2. 70 Quality.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/4/2019	5/4/2019	1	→	0	0.5	1.5	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	SI-231 psi	SI-268psi	→	0	12 mcf	36 bpd	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		→						

ACCEPTED FOR RECORD

MAY 22 2019

FARMINGTON FIELD OFFICE
BY:

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

Rec'd 5-23-19
NMOCD Ar

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
Pictured Cliffs	2552	3307	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2552
Huerfanito Bentonite	3307	4175	White, waxy chalky bentonite	Huerfanito Bentonite	3307
Cliffhouse	4175	4340	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4175
Menefee	4340	4776	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4340
Point Lookout	4776	5125	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4776
Mancos	5125	5740	Dark gry carb sh.	Mancos	5125
Gallup	5740	6794	Lt. gry to brn calc carb micac gluae silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5740
Greenhorn	6794	6847	Highly calc gry sh w/ thin lmst.	Greenhorn	6794
Graneros	6847	6996	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6847
Dakota	6996		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6996
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure):

Well is now producing as Blanco Mesaverde/ Basin Dakota under DHC 4948 AZ and Density Exception R-14817

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) Priscilla Shorty Title Operations/Regulatory Technician - Sr.
 Signature *Priscilla Shorty* Date 5/8/2019

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.