

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

MAR 19 2018

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

NMOCB
DISTRICT III
NMSF079049B

5. Lease Serial No. **Farmington Field Office**

6. Indian, Allottee or Tribe Name **Bureau of Land Management**

7. Unit or CA Agreement Name and No. **San Juan 28-6 Unit 167**

1a. Type of Well Oil Well Gas Well Dry Other

1b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.,

Other: **RECOMPLETE**

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

8. Lease Name and Well No. **San Juan 28-6 Unit 167**

3. Address **PO Box 4700, Farmington, NM 87499**

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

9. API Well No. **30-039-20483**

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

At surface **Unit K (NESW), 1750'FSL & 1500' FWL**

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

At top prod. Interval reported below **Same as above**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 4, T27N, R06W, NMPM**

At total depth **Same as above**

12. County or Parish **Rio Arriba**

13. State **New Mexico**

14. Date Spudded **5/24/1972**

15. Date T.D. Reached **6/2/1972**

16. Date Completed **3/14/2018**

17. Elevations (DF, RKB, RT, GL)* **6465' GL**

18. Total Depth: **7672'**

19. Plug Back T.D.: **7663'**

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

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **Spectra 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
13-3/4"	9-5/8" H40	32.3#	0	205'	n/a	190 sx	224 cf	Surface	5 bbls
8-3/4"	7" K55	20#	0	3495'	2503'	115 sx	234 cf	2680'	
6-1/4"	4-1/2" K55	11.6 & 10.5#	0	7672'	n/a	352 sx	643 cf	2970'	

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"	7631'							

25. Producing Intervals

Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status
A) Point Lookout / Lwr Menefee	5110'	5470'	1 SPF	0.34"	40	Open
B) Upper Menefee / Cliffhouse	4804'	5084'	1 SPF	0.34"	42	Open
C)						
D) TOTAL					82	

26. Perforation Record

Depth Interval	Amount and Type of Material
5110-5470'	Acidized w/500 gal 15% HCL. Foam FRAC'D w/5000# 100 MESH & 145,000# 40/70 sd, 51,116 gal slkwr & 1.79M SCF N2 70Q
4804-5084'	Acidized w/500 gal 15% HCL. Foam FRAC'D w/5340# 100 MESH & 146,800# 40/70 sd, 50,962 gal slkwr & 1.86M SCF N2 70Q

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

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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
3/16/2018	3/16/2018	1	→	0	32 mcf	0 bwph	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	
7/8"	675 psi	682 psi	→	3 bopd	777 mcf	2.5 bwph	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.)

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	2415'	2548'	White, cr-gr ss	Ojo Alamo	2415'
Kirtland	2548'	2794'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2548'
Fruitland	2794'	3082'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Fruitland	2794'
Pictured Cliffs	3082'	4114'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	3082'
Chacra	4114'	4801'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	4114'
Cliffhouse	4801'	5359'	Light gry, med-fine gr ss, carb sh & coal	Cliffhouse	4801'
Point Lookout	5359'	5828'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5359'
Mancos	5828'	6613'	Dark gry carb sh.	Mancos	5828'
Gallup	6613'	7284'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6613'
Greenhorn	7284'	7348'	Highly calc gry sh w/ thin lmst.	Greenhorn	7284'
Graneros	7348'	7386'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7348'
Dakota	7386'		Lt to dark gry foss carb sl calc sl sixty ss w/ pyrite incl thin sh bands clay & shale breaks	Dakota	7386'

32. Additional remarks (include plugging procedure):

Well is now producing as Blanco Mesaverde/Basin Dakota commingle under DHC4011AZ.

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) Tammy Jones Title Operations/Regulatory Technician - Sr.
 Signature Tammy Jones Date 3/19/2018

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.