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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

San Juan Field Office
Bureau of Land Management

Lease Serial No.

SF-078502-A

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.,		7. Unit or CA Agreement Name and No. San Juan 28-7 Unit	
Other: RECOMPLETE		8. Lease Name and Well No. Hardie 4E	
2. Name of Operator Hilcorp Energy Company		9. API Well No. 30-035-24938	
3. Address 382 Road 3100, Aztec, NM 87410		3a. Phone No. (include area code) (505) 599-3400	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Unit E (SWNW), 1800' FNL & 790' 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. 24, T29N, R08W, NMPM 12. County or Parish San Juan 13. State New Mexico	
14. Date Spudded 4/30/1981		15. Date T.D. Reached 5/9/1981	
16. Date Completed 3/25/2019 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 6430' GL	
18. Total Depth: 7640'		19. Plug Back T.D.: 7579'	
20. Depth Bridge Plug Set: 7301' & 5595' temporary		MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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"	9-5/8" H-40	36#	0	225'		135			
8-3/4"	7" J-55	20#	0	3233'		325			
6-1/4"	4-1/4" K-55	11.6# & 10.5#		7630'		375			

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"	7521'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cliffhouse	4718'	4886'	1 SPF	0.34"	15	Open
B) Point Lookout	5268'	5482'	1 SPF	0.34"	20	Open
C)						
D) TOTAL					35	

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

Depth Interval	Amount and Type of Material
4718' - 5482'	Acidized w/2000 gal 15% HCL, 195,730 gals 70Q Slickwater, 45 RCN balls, 280,665 #'s 20/40 Premium sand, 2,058,451 scf N2, 39 bbls flush.

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
3/26/2019	3/20/2019	1	→	0	26	4	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	
42/64	160	0	→	0	624	96	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	
			→						

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		1760'	White, cr-gr ss	Ojo Alamo	
Kirtland	1760'	2540'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1760'
Fruitland	2540'	2840'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2540'
Pictured Cliffs	2840'	2957'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2840'
Lewis	2957'	4050'	Shale w/ siltstone stringers	Lewis	2957'
Chacra	4050'	4693'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4050'
Cliffhouse	4693'	6489'	Light gry, med-fine gr ss, carb sh & coal	Cliffhouse	4693'
Menefee	6489'	5263'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4890'
Point Lookout	5263'	5490'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5263'
Mancos	5490'	6373'	Dark gry carb sh.	Mancos	5490'
Gallup	6373'	7250'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6373'
Greenhorn	7250'	7350'	Highly calc gry sh w/ thin lmst.	Greenhorn	7250'
Dakota	7350'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly & shale breaks	Dakota	7350'

32. Additional remarks (include plugging procedure):

Well is now producing as Blanco Mesaverde / Basin Dakota commingled under DHC-4003-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

3/27/19

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.