

OIL CONS. DIV. DIST. 3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Farmington Field Office

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Case Serial No.

NMSF-078415-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.	
Other: <u>RECOMPLETE</u>		8. Lease Name and Well No. <b>Roelofs 2E</b>	
2. Name of Operator <b>Hilcorp Energy Company</b>		9. API Well No. <b>30-045-33894</b>	
3. Address <b>PO Box 4700, Farmington, NM 87499</b>		10. Field and Pool or Exploratory <b>Blanco Mesaverde</b>	
3a. Phone No. (include area code) <b>(505) 599-3400</b>		11. Sec., T., R., M., on Block and Survey or Area <b>Sec. 10, T29N, R08W</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>Unit D (NWNW), 840' FNL &amp; 660' FWL</b>  At top prod. Interval reported below <b>Same as above</b>  At total depth <b>Same as above</b>		12. County or Parish <b>San Juan</b>	
14. Date Spudded <b>11/14/2006</b>		13. State <b>New Mexico</b>	
15. Date T.D. Reached <b>11/27/2006</b>		17. Elevations (DF, RKB, RT, GL)* <b>6345' GL</b>	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			
18. Total Depth: <b>7555'</b>		20. Depth Bridge Plug Set: MD TVD	
19. Plug Back T.D.: <b>7529'</b>		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)	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>no new logs were ran</b>			

## 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
12 1/4"	9 5/8" H-40	32.3#	0	139'	n/a	59 sx (94cf)	17 bbls	surface	3 bbls
8 3/4"	7" J-55	20#	0	3286'	n/a	575 sx (1179cf)	209 bbls	surface	10 bbls
6 1/4"	4 1/2" J-55	10.5#	0	7531'	n/a	1800 sx (2528cf)	450 bbls	2270'	

## 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"	4561'							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	5316'	5366'	1 SPF	.34"	25	open
B) Menefee	4854'	5109'	1 SPF	.34"	25	Producing through Frac Plug
C) Cliffhouse	4560'	4818'	1 SPF	.34"	25	Producing through Frac Plug
D) TOTAL					75	

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
5316' - 5366'	Acidized w/500 gals 15% HCL, frac'd w/ 43920 slickwater gals & 1.43M SCF N2 @ 70Q CIP / 4,546# Mesh & 112,754# 20/40 AZ Sand
4854' - 5109'	Acidized w/500 gals 15% HCL, frac'd w/ 41215 slickwater gals & 1.02M SCF N2 @ 70Q CIP / 4668# Mesh & 86,632# 20/40 AZ Sand
4560' - 4818'	Acidized w/500 gals 15% HCL, frac'd w/ 31851 slickwater gals & 9M SCF N2 @ 70Q CIP / 4,162# Mesh & 117838# 20/40 AZ Sand

## 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
11/18/2017	11/13/2017	10	→	0	484 mcf	14 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	
2"	335 psi	150 psi	→	0	1162 mcf/d	330 bwph	n/a	Producing as MV standalone. Point Lookout open, Menefee & Cliffhouse producing through frac plug	

## 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)

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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):

31. Formation (Log) Markers

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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	1957'	2135'	White, cr-gr ss	Ojo Alamo	1957'
Kirtland	2135'	2703'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2135'
Fruitland	2703'	3060'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2703'
Pictured Cliffs	3060'	3267'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3060'
Lewis	3267'	3754'	Shale w/ siltstone stingers	Lewis	3267'
Huerfano Bentonite	3754'	4035'	White, waxy chalky bentonite		3754'
Chacra	4035'	4555'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4035'
Mesa Verde	4555'	4817'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4555'
Menefee	4817'	5208'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4817'
Point Lookout	5208'	5602'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5208'
Mancos	5602'	6493'	Dark gry carb sh.	Mancos	5602'
Gallup	6493'	7221'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6493'
Greenhorn	7221'	7271'	Highly calc gry sh w/ thin lmst.	Greenhorn	7221'
Graneros	7271'	7310'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7271'
Dakota	7310'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7310'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure):

**Received verbal approval 11/20/17 to produce as a MV standalone with fish in the hole while HEC evaluates options. Will contact agencies with a plan forward.**

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- |                                                                             |                                          |                                     |                                             |
|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------------|
| <input type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd.)     | <input type="checkbox"/> Geologic Report | <input type="checkbox"/> DST Report | <input type="checkbox"/> Directional Survey |
| <input type="checkbox"/> Sundry Notice for plugging and cement verification | <input type="checkbox"/> Core Analysis   | <input type="checkbox"/> 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)	<u>Kandis Roland</u>	Title	<u>Operations/Regulatory Technician</u>
Signature	<u><i>Kandis Roland</i></u>	Date	<u>12-1-17</u>

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.