

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.  
**NMNM0558144**

1a. Type of Well:  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
 Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
891000446X

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

8. Lease Name and Well No.  
**TRAIL CANYON 104H**

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

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

9. API Well No.  
**30-045-35884**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **UL: P (SESE) 1294' FSL & 399' FEL**  
 At top prod. Interval reported below  
 ORG HOLE: UL F (SENW) 1777' FNL & 1952' FWL  
 ST1: UL G (SWNE) 2384' FNL & 2423' FEL  
 ST2: UL F (SENW) 1808' FNL & 2114' FWL  
 At total depth **SAME AS ABOVE**

**NMOC**

**AUG 12 2019**

**DISTRICT III**

10. Field and Pool or Exploratory  
**BASIN FRUITLAND COAL**

11. Sec., T., R., M., on Block and Survey or Area  
**SEC. 21, T32N, R08W**

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

14. Date Spudded  
**5/20/2019**

15. Date T.D. Reached  
**6/19/2019**

16. Date Completed **6/25/2019**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**6906' GL**

18. Total Depth:	19. Plug Back T.D.:
Org Hole: MD: <b>6666'</b>	TVD: 3578' <b>ORG HOLE: OPEN HOLE</b>
ST1: MD: <b>5606'</b>	TVD: 3593' <b>ST1: OPEN HOLE</b>
ST2: MD: <b>6475'</b>	TVD: 3576' <b>ST2: MD: 6475'</b>

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
12 1/4"	9 5/8" H-40	32.3	0	501'		268 SKS CLASS G		0	26 BBLs
8 3/4"	7" P-110	32	0	4177'		545 SKS VARICEM		2270'	
6 1/4"	4 1/2" L-80	11.6	4005'	6475'		OPEN HOLE			

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"	3999'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>FRUITLAND COAL</b>	<b>4005'</b>	<b>6475'</b>	<b>ORG HOLE: OPEN HOLE</b>			<b>OPEN HOLE</b>
B)			<b>ST1: OPEN HOLE</b>			<b>OPEN HOLE</b>
C)			<b>ST2: 4005' - 6475'</b>			<b>Pre-Perforated Liner</b>
D)						

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

Depth Interval	Amount and Type of Material

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>7/1/2019</b>	<b>7/1/2019</b>	<b>1 hr</b>	<b>→</b>	<b>0</b>	<b>0.3</b>	<b>2.6</b>			<b>Flowing</b>
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	<b>SI: 72</b>	<b>SI: 148</b>	<b>→</b>	<b>0</b>	<b>7</b>	<b>32</b>		<b>Producing</b>	

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
			<b>→</b>						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	<b>SI</b>		<b>→</b>						

**ACCEPTED FOR RECORD**  
**AUG 07 2019**  
**FARMINGTON FIELD OFFICE**

\*(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 (Sold, 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	2347	2380	White, cr-gr ss	Ojo Alamo	2347
Kirtland	2380	3611	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2380
Fruitland	3611	0	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3611
Pictured Cliffs		0	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	0
Lewis		0	Shale w/ siltstone stingers	Lewis	0
Huerfanito Bentonite		0	White, waxy chalky bentonite	Huerfanito Bentonite	0
Chacra		0	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	0
Cliff House		0	Light gry, med-fine gr ss, carb sh & coal	Cliff House	0
Menefee		0	Med-dark gry, fine gr ss, carb sh & coal	Menefee	0
Point Lookout		0	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	0
Mancos		0	Dark gry carb sh.	Mancos	0
Gallup		0	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	0
Greenhorn		0	Highly calc gry sh w/ thin lmst.	Greenhorn	0
Graneros		0	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	0
Dakota		0	Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	0
Morrison		0	Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0

32. Additional remarks (include plugging procedure):

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) Amanda Walker Title Operations/Regulatory Technician - Sr.  
 Signature  Date 7/24/2019

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.