

9/30/21

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

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. <b>NMSF079050C</b>	
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.		6. If Indian, Allottee or Tribe Name	
Other: <b>RECOMPLETE</b>		7. Unit or CA Agreement Name and No. San Juan 28-6 Unit	
2. Name of Operator <b>Hilcorp Energy Company</b>		8. Lease Name and Well No. <b>San Juan 28-6 Unit 155</b>	
3. Address <b>382 Rd 3100, Aztec NM 87410</b>		9. API Well No. <b>30-039-20397</b>	
3a. Phone No. (include area code) <b>(505) 333-1700</b>		10. Field and Pool or Exploratory <b>Blanco Mesaverde</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>Unit L (NWSW), 1550' FSL &amp; 1190' FWL,</b>  At top prod. Interval reported below <b>Same as above</b>  At total depth <b>Same as above</b>		11. Sec., T., R., M., on Block and Survey or Area <b>Sec. 28, T28N, R6W</b>	
14. Date Spudded <b>7/13/1971</b>		12. County or Parish <b>Rio Arriba</b>	
15. Date T.D. Reached <b>7/21/1971</b>		13. State <b>New Mexico</b>	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>8/2/2021</b>		17. Elevations (DF, RKB, RT, GL)* <b>6605'</b>	
18. Total Depth <b>7911'</b>		20. Depth Bridge Plug Set: <b>MD</b> <b>TVD</b>	
19. Plug Back T.D. <b>7895'</b>		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
13 3/4"	9 5/8" H-40	32.3#	0	236'	n/a	190 sx			
8 3/4"	7" K-55	20#	0	3659'	n/a	150 sx			
6 1/4"	4 1/2" K-55	10.5 & 11.6#	0	7911'	n/a	330 sx			

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"	7788'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout/Lower Menefee	5495'	5727'		1 SPF	.33"	25	open
B) Cliffhouse/Upper Menefee	5062'	5424'		1 SPF	.33"	25	open
C)							
D) TOTAL						50	

27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval			Amount and Type of Material						
5495'-5727'			Broke well w/ H2O and 500 gal 15% HCL. Foam Frac w/ 48,570 gal of 70 Q slick water. 144,379# 20/40 sand. 1.71M SCF N2						
5062'-5424'			Broke well w/ H2O and 500 gal 15% HCL. Foam frac w/ 42,860 gal of 70 Q slickwater. 140,446# 20/40 sand. 1.57M SCF N2						
-									

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
8/2/2021	8/2/2021	24	→	0	486 mcf	10 bbls	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	
18/64"	220 psi	452 psi	→	0	486 mcf/d	10 bwpd	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			→					Producing	

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

ACCEPTED FOR RECORD

RECEIVED

SEP 7 2021

FARMINGTON FIELD OFFICE  
BY: [Signature]

FARMINGTON FIELD OFFICE

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	2460'	2725'	White, cr-gr ss	Ojo Alamo	2460'
Kirtland	2725'	3060'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	2725'
Fruitland	3060'	3370'	Dk gry-gr carb sh. coal, gm silts, light-med gry, tight, fine gr ss	Fruitland	3060'
Pictured Cliffs	3370'	5031'	Gray, fine gm, tight ss	Pictured Cliffs	3370'
Lewis	5031'	4315'	Shale w/ siltstone stringers	Lewis	5031'
Chacra	4315'	5031'	Gry fn gm silty, glauconitic sd stone w/ dk gry shale	Chacra	4315'
Cliffhouse	5031'	5547'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5031'
Point Lookout	5547'	6047'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5547'
Mancos	6047'	6665'	Dark gry carb sh	Mancos	6047'
Gallup	6665'	7517'	Lt gry to bm calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh	Gallup	6665'
Greenhorn	7517'	7579'	Highly calc gry sh w/ thin lsst	Greenhorn	7517'
Graneros	7579'	7617'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7579'
Dakota	7617'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7617'
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss		

32 Additional remarks (include plugging procedure)

*Dakota - PA ~~AAAA~~ NMNM 78412C - C1*  
 This well is currently producing as a MV/DK commingle per DHC 4928. MV PA - NMNM078412A - C2

KR 09/10/2021

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) Kandis Roland Title Operations/Regulatory Technician

Signature Kandis Roland Date 9/2/2021

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.

(Continued on page 3)

(Form 3160-4, page 2)

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 49835

**ACKNOWLEDGMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 49835
	Action Type: [C-105] Well (Re)Completion (C-105)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

COMMENTS

Action 49835

## COMMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 49835
	Action Type: [C-105] Well (Re)Completion (C-105)

## COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 9/22/2021	9/22/2021

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 49835

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 49835
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/22/2021