Form 3160-4
(June 2015)

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.: NMSF078497A

1a. Type of Well: [ ] Oil Well [X] Gas Well [ ] Dry [ ] Other
b. Type of Completion: [ ] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr.
Other: RECOMPLETE

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: San Juan 28-7 Unit

2. Name of Operator: Hilcorp Energy Company

8. Lease Name and Well No.: San Juan 28-7 Unit 220

3. Address: PO Box 4700, Farmington, NM 87499
3a. Phone No. (include area code): (505) 599-3400

9. API Well No.: 30-039-20865

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Unit N (SESW), 1080' FSL & 2480' 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. 22, T28N, R7W

12. County or Parish: Rio Arriba
13. State: New Mexico

14. Date Spudded: 5/23/1974
15. Date T.D. Reached: 6/1/1974
16. Date Completed: [ ] D & A [X] Ready to Prod. 7/25/2021
17. Elevations (DF, RKB, RT, GL)*: 6780'

18. Total Depth: 7987'
19. Plug Back T.D.: 7979'
20. Depth Bridge Plug Set: MD / TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [X] 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
13 3/4"	9 5/8" H-40	32.3#	0	233'	n/a	225 cf			
8 3/4"	7" K-55	20#	0	3738'	n/a	253 cf			
6 1/4"	4 1/2" K-55	10.5 & 11.6#	0	7987'	n/a	649 cf			

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"	7850'							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Point Lookout	5694'	5815'	1 SPF	.33"	25	open
B)	Menefee	5396'	5595'	1 SPF	.33"	25	open
C)	Cliffhouse	5115'	5261'	1 SPF	.33"	25	open
D)	TOTAL					75	

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

Depth Interval	Amount and Type of Material
5694'-5815'	Frac w/ 101,284 gal of 70 Q #20 gel foam, 107,398# 20/40 sand, 1,432,416 SCF N2, 106 bbls foam Flush
5396'-5595'	Frac w/ 93,307 gals of 65 Q #20 gel foam, 87,390# 20/40 sand, 1,408,810 SCF N2, 90 bbls foam flush
5115'-5261'	Frac w/ 74,742 gals of 70Q #20 gel foam, 93,402# 20/40 sand, 1,078,042 SCF N2, 68 bbls Fluid 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
7/25/2021	7/25/2021	24	→	0	534 mcf	0 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
22/64"	345 psi	561 psi	→	0	534 mcf/d	0 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. 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)

ACCEPTED FOR RECORD
SEP 07 2021
FARMINGTON FIELD OFFICE
BY: Kenneth Rennick
BLM Petroleum Engineer

RECEIVED
SEP 7 2021
FARMINGTON FIELD OFFICE
KR

RECEIVED
SEP 7 2021
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	2610'	2725'	White, cr-gr ss	Ojo Alamo	2610'
Kirtland	2725'	3100'	Gry sh interbedded w/tight, gry, fine-gr ss	Kirtland	2725'
Fruitland	3100'	3451'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	3100'
Pictured Cliffs	3451'	3560'	Bn-Gry, fine grn, tight ss	Pictured Cliffs	3451'
Lewis	3560'	4430'	Shale w/ siltstone stringers	Lewis	3560'
Chacra	4430'	5110'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4430'
Cliffhouse	5110'	5265'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5110'
Menefee	5265'	5690'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5265'
Point Lookout	5690'	6190'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5690'
Mancos	6190'	6905'	Dark gry carb sh	Mancos	6190'
Gallup	6905'	7651'	Lt gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh	Gallup	6905'
Greenhorn	7651'	7704'	Highly calc gry sh w/ thin lmst	Greenhorn	7651'
Graneros	7704'	7812'	Dk gry shale, fossil & carb w/ pyrite incl	Graneros	7704'
Dakota	7812'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7812'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure)

Dakota - PA NMNM 78413C - C1

This well is currently producing as a MV/DK commingle per DHC 4957. MV PA - NMNM078413A - C2

KR 9/7/2021

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 **8/24/2021**

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)

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

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 49776
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

☑	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☑	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 49776
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

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