

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

5. Lease Serial No.

**NMSF078496A**

1a. Type of Well ☐ Oil Well ☒ 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 225**

3. Address

**PO Box 4700, Farmington, NM 87499**

3a. Phone No. (include area code)

**(505) 599-3400**

9. API Well No.

**30-039-20864**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface **Unit A (NENE), 970' FNL & 860' FEL,**

At top prod. Interval reported below

**Same as above**

At total depth

**Same as above**

14. Date Spudded

**3/14/1977**

15. Date T.D. Reached

**3/23/1977**

16. Date Completed

**11/1/2021**☐ D & A☒ Ready to Prod.

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

**6091' GL**

18. Total Depth:

**7212'**

19. Plug Back T.D.:

**6233'**

20. Depth Bridge Plug Set:

**MD****TVD**

21. Type Electric &amp; 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
<b>13 3/4"</b>	<b>9 5/8" H-40</b>	<b>32.3#</b>	<b>0</b>	<b>220'</b>	<b>n/a</b>	<b>224 cf</b>			
<b>8 3/4"</b>	<b>7" K-55</b>	<b>20#</b>	<b>0</b>	<b>3036'</b>	<b>n/a</b>	<b>248 cf</b>			
<b>6 1/4"</b>	<b>4 1/2" K-55</b>	<b>11.6 &amp; 10.5#</b>	<b>0</b>	<b>7212'</b>	<b>n/a</b>	<b>647 cf</b>			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
<b>2 3/8"</b>	<b>5050'</b>							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>Point Lookout</b>	<b>4964'</b>	<b>5080'</b>	<b>1 SPF</b>	<b>.33"</b>	<b>25</b>	<b>open</b>
B) <b>Menefee</b>	<b>4614'</b>	<b>4892'</b>	<b>1 SPF</b>	<b>.33"</b>	<b>25</b>	<b>open</b>
C) <b>Cliffhouse</b>	<b>4374'</b>	<b>4480'</b>	<b>1 SPF</b>	<b>.234"</b>	<b>25</b>	<b>open</b>
D) <b>TOTAL</b>					<b>75</b>	

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

Depth Interval	Amount and Type of Material
<b>1282'-1316'</b>	Cement Squeeze: 150 sx, 205 CuFt, 1.37 Yld, type 3 cement
<b>4964'-5080'</b>	Frac w/ 69,750 gal of 70 Q #20 gel foam, 107,000# 20/40 sand, 906,00 SCF N2, 27 bbls Fluid Flush w/ FW
<b>4614'-4892'</b>	Frac w/ 75,319 gals of 60 Q 20# gel foam, 96,000# 20/40 sand, 960,000 SCF N2, 85 bbls Foam Fluid flush
<b>4374'-4480'</b>	Frac w/ 79,582 gals of 70 Q 20# gel foam, 121,000# 20/40 sand, 904,214 SCF N2, 38bbls Foam 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
<b>11/3/2021</b>	11/3/2021	24		0	423 mcf	96 bbls	n/a	n/a	<b>Flowing</b>
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
48/64"	0 psi	200 psi		0	423 mcf/d	96 bwpd	n/a		<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
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)

## 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	1935'	2020'	White, cr-gr ss	Ojo Alamo	1935'
Kirtland	2020'	2450'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2020'
Fruitland	2450'	2735'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Fruitland	2450'
Pictured Cliffs	2735'	2835'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	2735'
Lewis	2835'	3662'	Shale w/ siltstone stingers	Lewis	2835'
Chacra	3662'	4370'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	3662'
Cliffhouse	4370'	4487'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4370'
Menefee	4487'	4951'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4487'
Point Lookout	4951'	5460'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4951'
Mancos	5460'	6135'	Dark gry carb sh.	Mancos	5460'
Gallup	6135'	6880'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6135'
Greenhorn	6880'	6941'	Highly calc gry sh w/ thin lmst.	Greenhorn	6880'
Graneros	6941'	7100'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6941'
Dakota	7100'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7100'
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss		

32. Additional remarks (include plugging procedure):

**This well is currently producing as a MV Standalone, DK is plugged back. MV PA - NMNM078413A**

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 11/16/2021

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.



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

# Well Completion Print Report

11/29/2021

**Operator Name** HILCORP ENERGY COMPANY    **Well Name** SAN JUAN 28-7 UNIT    **Well Number** 225    **US Well Number** 3003920864

**SHL NENE** Sec 34 28N 7W    **County** RIO ARRIBA    **State** NM    **Lease Number(s)** NMSF078496A, NMSF078496A

**Well Type** CONVENTIONAL GAS WELL    **Well Status** Producing Gas Well    **Agreement Name** SAN JUAN 28-7 UNIT--DK    **Agreement Number(s)** NMNM78413C

**Allottee/Tribe Name**    **Well Pad Name** null    **Well Pad Number** null    **ID** 96AIR1147AFEF

## Section 1 - General

**Well Completion Report Id:** 82005**Submission Date:** N/A until DB Work**BLM Office:** Farmington Field Office**User:** Kandis Roland**Title:** Operation Regulatory Tech**Federal/Indian:** FEDERAL**Lease Number:****Lease Acres:****Agreement in place?:** NO**Federal or Indian Agreement:** FEDERAL**Agreement Number:** NMNM78413C**Agreement Name:** SAN JUAN 28-7**APD Operator:** HILCORP ENERGY COMPANY

## Section 2 - Well Information

**Field/Pool or Exploratory:** Field/Pool**Pool Name:** BASIN DAKOTA**Field Name:** BLANCO MESAVERDE**Well Type:** CONVENTIONAL GAS WELL**Spud Date:** 03-14-1977**Date Total Measured Depth Reached:****Well Class:** VERTICAL

## Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
DAKOTA							
DAKOTA							

<b>Operator Name</b> HILCORP ENERGY COMPANY	<b>Well Name</b> SAN JUAN 28-7 UNIT	<b>Well Number</b> 225	<b>US Well Number</b> 3003920864
<b>SHL NENE</b> Sec 34 28N 7W	<b>County</b> RIO ARRIBA	<b>State</b> NM	<b>Lease Number(s)</b> NMSF078496A, NMSF078496A
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Producing Gas Well	<b>Agreement Name</b> SAN JUAN 28-7 UNIT--DK	<b>Agreement Number(s)</b> NMNM78413C
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> null	<b>Well Pad Number</b> null	<b>ID</b> 96AIR1147AFEF

### Completion and Completed Intervals

#### Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	C1	1	NMNM78413C	NMSF078496A	A1_NU LL		P+A	12-31-1969		DAKOTA						OPEN
00	C2	1		NMSF078496A	WORK OVER		PGW	11-02-2021	11-02-2021	POINT LOOKOUT	4964	5080	Y	.33	25	OPEN
00	C2	2		NMSF078496A	WORK OVER		PGW	11-02-2021	11-02-2021	MENEFEE	4614	4892	Y	.33	25	OPEN
00	C2	3		NMSF078496A	WORK OVER		PGW	11-02-2021	11-02-2021	CLIFFHOUSE	4374	4480	Y	.234	25	OPEN

#### Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	C1	1					
00	C2	1	Y	FRAC			
00	C2	2	Y	FRAC			
00	C2	3	Y	FRAC			

<b>Operator Name</b> HILCORP ENERGY COMPANY	<b>Well Name</b> SAN JUAN 28-7 UNIT	<b>Well Number</b> 225	<b>US Well Number</b> 3003920864
<b>SHL NENE</b> Sec 34 28N 7W	<b>County</b> RIO ARRIBA	<b>State</b> NM	<b>Lease Number(s)</b> NMSF078496A, NMSF078496A
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Producing Gas Well	<b>Agreement Name</b> SAN JUAN 28-7 UNIT--DK	<b>Agreement Number(s)</b> NMNM78413C
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> null	<b>Well Pad Number</b> null	<b>ID</b> 96AIR1147AFEF

### Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	C1	1			GAS LIFT			
00	C2	1			FLows FROM WELL		SOLD	
00	C2	2			FLows FROM WELL		SOLD	
00	C2	3			FLows FROM WELL		SOLD	

### Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	C1	1										
00	C2	1										
00	C2	2										
00	C2	3										

<b>Operator Name</b> HILCORP ENERGY COMPANY	<b>Well Name</b> SAN JUAN 28- 7 UNIT	<b>Well Number</b> 225	<b>US Well Number</b> 3003920864
<b>SHL NENE</b> Sec 34 28N 7W	<b>County</b> RIO ARRIBA	<b>State</b> NM	<b>Lease Number(s)</b> NMSF078496A, NMSF078496A
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Producing Gas Well	<b>Agreement Name</b> SAN JUAN 28-7 UNIT--DK	<b>Agreement Number(s)</b> NMNM78413C
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> null	<b>Well Pad Number</b> null	<b>ID</b> 96AIR1147AFEF

### Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	RIO ARRIBA	36.6223	-107.55418		FEDERAL	NMSF078496A				970	FNL	860	FEL	28N	7W	34	NENE

### Casing, Liner and Tubing

<b>Operator Name</b> HILCORP ENERGY COMPANY	<b>Well Name</b> SAN JUAN 28-7 UNIT	<b>Well Number</b> 225	<b>US Well Number</b> 3003920864
<b>SHL NENE</b> Sec 34 28N 7W	<b>County</b> RIO ARRIBA	<b>State</b> NM	<b>Lease Number(s)</b> NMSF078496A, NMSF078496A
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Producing Gas Well	<b>Agreement Name</b> SAN JUAN 28-7 UNIT--DK	<b>Agreement Number(s)</b> NMNM78413C
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> null	<b>Well Pad Number</b> null	<b>ID</b> 96AIR1147AFEF

### Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00									

### Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	YES	NO	NO	NO	NO	YES

<b>Operator Name</b> HILCORP ENERGY COMPANY	<b>Well Name</b> SAN JUAN 28-7 UNIT	<b>Well Number</b> 225	<b>US Well Number</b> 3003920864
<b>SHL NENE</b> Sec 34 28N 7W	<b>County</b> RIO ARRIBA	<b>State</b> NM	<b>Lease Number(s)</b> NMSF078496A, NMSF078496A
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Producing Gas Well	<b>Agreement Name</b> SAN JUAN 28-7 UNIT--DK	<b>Agreement Number(s)</b> NMNM78413C
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> null	<b>Well Pad Number</b> null	<b>ID</b> 96AIR1147AFEF

### Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

**Name:** HILCORP ENERGY COMPANY

**Signed By:** Kandis Roland

**Title:** Operation Regulatory Tech **Signed on:** 11/17/2021

**Street Address:** 382 Road 3100

**City:** Farmington

**State:** NM

**Zip:** 87410

**Phone:** (505)599-3400

**Email address:** kroland@hilcorp.com

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Extension:**

**Email address:**

### Attachments

San\_Juan\_28\_7\_Unit225\_20211117101535.pdf

SJ\_28\_7\_Unit\_225\_BLM\_FORM\_3160\_4\_MV\_Completion\_Report\_20211117101610.pdf

SJ\_28\_7\_Unit\_225\_Current\_Schematic\_20211117101610.pdf



**Kandis Roland**

---

**From:** AFMSS <blm-afmss-notifications@blm.gov>  
**Sent:** Monday, November 22, 2021 6:04 PM  
**To:** Kandis Roland  
**Subject:** [EXTERNAL] Well Name: SAN JUAN 28-7 UNIT, Well Number: 225, Notification of Sundry Accepted

**The Bureau of Land Management**

---

**Notice of Subsequent Report Approval**

---

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **SAN JUAN 28-7 UNIT**
- Well Number: **225**
- US Well Number: **3003920864**
- Sundry ID: **2644678**

The BLM received your Subsequent Report, Recompletion on 11/17/2021. This is to notify you that we are Accepting your Subsequent Report Recompletion. Please login to your account in AFMSS II to see the final documents.

You may contact the field office if you have any questions.

---

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

**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 63938

**ACKNOWLEDGMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 63938
	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**

CONDITIONS  
  
Action 63938

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 63938
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	1/27/2022