

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Hilcorp Energy Company 382 Road 3100 Aztec, NM 87410		<sup>2</sup> OGRID Number 372171
		<sup>3</sup> Reason for Filing Code/ Effective Date RC
<sup>4</sup> API Number 30-039-20471	<sup>5</sup> Pool Name Blanco Mesaverde	
<sup>6</sup> Pool Code 72319		
<sup>7</sup> Property Code 318708	<sup>8</sup> Property Name San Juan 28-5 Unit	<sup>9</sup> Well Number 87

II. <sup>10</sup> Surface Location

UI or lot no. B	Section 22	Township 28N	Range 05W	Lot Idn	Feet from the 1050	North/South Line North	Feet from the 1840	East/West Line East	County Rio Arriba
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<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County Choose an item.
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F		<sup>14</sup> Gas Connection Date		<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date	

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
248440	Western Refinery	O
151618	Enterprise	G

IV. Well Completion Data

<sup>21</sup> Spud Date 4/23/1972	<sup>22</sup> Ready Date 9/03/2023	<sup>23</sup> TD 8055'	<sup>24</sup> PBTD 7950'	<sup>25</sup> Perforations 5406'-6210'	<sup>26</sup> DHC, MC DHC-5309
<sup>27</sup> Hole Size		<sup>28</sup> Casing & Tubing Size		<sup>29</sup> Depth Set	
13 3/4"		9 5/8", 32.3#, H-40		203'	
8 3/4"		7", 20#, K-55		3907'	
6 1/4"		4 1/2", 11.6# & 10.5#, N-80/K-55		8055'	
		2-3/8", 4.7#, J-55		7876'	

V. Well Test Data

<sup>31</sup> Date New Oil N/A	<sup>32</sup> Gas Delivery Date 9/03/2023	<sup>33</sup> Test Date 9/03/2023	<sup>34</sup> Test Length 4	<sup>35</sup> Tbg. Pressure 400 psi	<sup>36</sup> Csg. Pressure 420 psi
<sup>37</sup> Choke Size 18/64"	<sup>38</sup> Oil 0 bbl	<sup>39</sup> Water 0 bbl	<sup>40</sup> Gas 80 mcf		<sup>41</sup> Test Method Flowing
<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Cherylene Weston			OIL CONSERVATION DIVISION		
Printed name: Cherylene Weston			Approved by: PATRICIA MARTINEZ		
Title:04 Operations Regulatory Tech Sr.			Title: PETROLEUM SPECIALIST		
E-mail Address: cweston@hilcorp.com			Approval Date: 9/25/2023		
Date: 09/12/2023		Phone: 713-289-2615			

<b>Well Name:</b> SAN JUAN 28-5 UNIT	<b>Well Location:</b> T28N / R5W / SEC 22 / NWNE / 36.651031 / -107.343109	<b>County or Parish/State:</b> RIO ARriba / NM
<b>Well Number:</b> 87	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF079519A	<b>Unit or CA Name:</b> SAN JUAN 28-5 UNIT--DK	<b>Unit or CA Number:</b> NMNM78411B
<b>US Well Number:</b> 3003920471	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

### Subsequent Report

**Sundry ID:** 2750601

**Type of Submission:** Subsequent Report

**Type of Action:** Recompletion

**Date Sundry Submitted:** 09/12/2023

**Time Sundry Submitted:** 07:52

**Date Operation Actually Began:** 08/08/2023

**Actual Procedure:** Hilcorp Energy recompleted the subject well into the Mesaverde. Please see attached reports.

### SR Attachments

#### Actual Procedure

SJ\_28\_5\_Unit\_87\_RC\_Subsequent\_Sundry\_20230912075225.pdf

**Well Name:** SAN JUAN 28-5 UNIT

**Well Location:** T28N / R5W / SEC 22 /  
NWNE / 36.651031 / -107.343109

**County or Parish/State:** RIO  
ARRIBA / NM

**Well Number:** 87

**Type of Well:** CONVENTIONAL GAS  
WELL

**Allottee or Tribe Name:**

**Lease Number:** NMSF079519A

**Unit or CA Name:** SAN JUAN 28-5  
UNIT--DK

**Unit or CA Number:**  
NMNM78411B

**US Well Number:** 3003920471

**Well Status:** Producing Gas Well

**Operator:** HILCORP ENERGY  
COMPANY

### Operator

*I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a*

**Operator Electronic Signature:** CHERYLENE WESTON

**Signed on:** SEP 12, 2023 07:52 AM

**Name:** HILCORP ENERGY COMPANY

**Title:** Operations/Regulatory Tech - Sr

**Street Address:** 1111 TRAVIS STREET

**City:** HOUSTON

**State:** TX

**Phone:** (713) 289-2615

**Email address:** CWESTON@HILCORP.COM

### Field

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

### BLM Point of Contact

**BLM POC Name:** MATTHEW H KADE

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5055647736

**BLM POC Email Address:** MKADE@BLM.GOV

**Disposition:** Accepted

**Disposition Date:** 09/13/2023

**Signature:** Matthew Kade

San Juan 28-5 Unit 87

API: 3003920471

Recomplete Subsequent Sundry

- 8/8/2023** MIRU. BH-0, CSG-115, TBG-115. BDW. ND WH. NU BOP. RU FLOOR. PULL TBG HANGER. RU TBG SCANNER. TOO H INSP TBG. RD SCANNERS. MU 3-7/8" STRING MILL & BIT. TIH 106 STDS. SISW.
- 8/9/2023** SICIP-110 PSI, SITP-0 PSI, SIBHP-0 PSI. PJSM. BDW. SWITCH OUT TBG FLOATS. POOH W/TBG & SCRAPER. BD SCRAPER. RIH, SET **CIBP @ 7,794'**. LD 2 JTS. CIRC 210 BBLs DOWN TBG, GAIN CIRC. PUMP 20 BBLs. CU RETURNS. PT CSG 530 PSI. LOST 10 PSI IN 20 MIN. TOO H W/TBG. PT CSG 530 PSI. GOOD TEST. SISW. SDFN.
- 8/10/2023** SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. PJSM. MIRU WELLCHECK. PSI UP CSG TO 560 PSI FOR PRE-TEST. LOST 50 PSI IN 10 MIN. ALL VALVES ON MUD CROSS AND TBG HEAD CHECKED. RE-PT CSG W/SAME RESULT. RDMO TEST TRUCK. MIRU BASIN WELL LOGGING. RIH W/CBL. ERRORS ON TOOL. CHECK TOOL. CONT TO HAVE ERRORS. POOH, CHG OUT CENTRALIZERS & O-RINGS. RIH TO CIBP @ 7,794'. **RUN CBL FROM 7,794'**. RDMO WL. RIH, SET 4-1/2" PKR @ 3,728'. GOOD PT BELOW PKR. FAILED PT ABOVE. REL PKR. TOO H 25 STNDS. RIH, SET 7" PKR @ 33'. GOOD PT ABOVE PKR. FAILED PT BELOW. TOO H W/7" & 4-1/2" PKR. SISW. SDFN.
- 8/11/2023** PJSM. SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. RIH 6-1/4" MILL TO LINER TOP. REAM & POOH. SET 7" PKR ABOVE LINER TOP. PT ABOVE PKR, GOOD TEST. PT BELOW PKR, LOST 135 PSI IN 50 MIN. REL PKR. POOH TO SURFACE. BD PKR. MIRU BASIN WL. RIH, **PERF 4-1/2" CSG @ 3,920'**. RIH, SET 4-1/2" PKR @ 3,783'. ATT TO GAIN CIRC DOWN TBG & UP CSG. BROKE CIRC @ 200 PSI. CIRC BOTTOMS UP @ 2.75 BPM W/465 PSI. REL PKR. SISW. SDFWE.
- 8/14/2023** PJSM. SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. RIH, SET **4-1/2" CR @ 3,875'**. MIRU DRAKE CEMENT. EST CIRC. **PUMP 16 SKS OF CLASS-III 14.6# NEAT CEMENT**. DISPLACE TBG. STING OUT OF CR. LD 1 JT. REV CIRC OUT 21 BBLs. RECOVER 1/2 BBL OF CEMENT. TOO H. LD SETTING TOOL. SPOT IN HOT SHOT W/COLLARS. TIH W/ 3 7/8" TRI-CONE BIT & 6 – 3 1/8" DC TO 504'. SISW. SDFN.
- 8/15/2023** PJSM. SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. TIH TO 3,800'. RU FLOW LINES. PT CSG TO 500 PSI X 15 MIN. GOOD TEST. TIH, **TAG CEMENT @ 3,845'**. REV CIRC. **DO CEMENT TO CR & DO CR**. PT CSG TO 570 PSI. LOST 14 PSI FOR 30 MIN. HELD FOR LAST 10 MIN. BLEED OFF. SISW. SDFN.
- 8/16/2023** PJSM. SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. MIRU WILSON SERVICES. PRE-TEST CSG TO 550 PSI. GOOD TEST. **PERFORM MIT @ 550 PSI X 30 MIN, GOOD TEST. THOMAS VERMERSCH, NMOCD WITNESSED**. RDMO WILSON. MIRU BASIN WELL LOGGING. RIH W/3.85" GR TO 6,400'. POOH. RIH, SET **4-1/2" CBP @ 6,317'**. POOH. RIH, **PERF POINT LOOKOUT/LOWER MENEFFEE W/0.33 DIA, 1 SPF @: 5754, 5770, 5775, 5787, 5795, 5812, 5820, 5832, 5841, 5866, 5875, 5883, 5891, 5905, 5918, 5927, 5955, 5985, 6028, 6050, 6118, 6154, 6210' (23 HOLES)**. POOH. SISW. SDFN.
- 8/17/2023** SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. PJSM. TOO H, LD REM TBG. RIH, SET **FRAC PLUG @ 5,741'**. GOOD SET. POOH. RIH, WL SET PKR @ 5,287'. POOH. TIH WITH 2-7/8" FRAC STRING TO 4,400'. SISW. SDFN.
- 8/18/2023** SICIP-0 PSI, SITP-0 PSI, SIBHP-0 PSI. PJSM. CONT TALLY, RIH W/ 2-7/8" FRAC STRING. LAND TBG IN 12K COMPRESSION. RD FLOOR. ND BOP. NU 10K FRAC STACK. TOP OFF TBG & CSG. PT SEALS/VOID ON FRAC STACK/HANGER, GOOD TEST. RU WELLCHECK. PT CSG TO 500 PSI, GOOD TEST. PT FRAC STRING TO 9,000 PSI X 30 MIN, GOOD TEST. RDMO WELLCHECK. MIRU EXPERT SL. RIH, BREAK DUAL DISK SUB W/ 1.75" SPEAR. POOH. RIH W/2.00" GR TO VERIFY CLEARANCE. RIH TO 5,300'. POOH. RDMO EXPERT. RDRR.
- 8/26/2023** MIRU FRAC/WL CREWS. PT FRAC STRING ANNULUS. **FRAC STAGE 1: BDW W/WATER & 500 GAL 15% HCl. FOAM FRAC PT LOOKOUT/LOWER MENEFFEE W/125,197 LBS 20/40 SAND, 42,882 GAL SLICKWATER & 1.64M SCF N2 70 Q. RIH, PERF CLIFFHOUSE/UPPER MENEFFEE W/0.29", 1 SPF @: 5406, 5415, 5426, 5434, 5469, 5481, 5491, 5504, 5517, 5524, 5531, 5548, 5556, 5565, 5581, 5605, 5615, 5628, 5645, 5668, 5682, 5729' (22 HOLES). FRAC STAGE 2: BDW W/WATER & 500 GAL 15% HCl. FOAM FRAC CLIFFHOUSE/UPPER MENEFFEE W/128,407 LBS 20/40 SAND, 43,092 GAL SLICKWATER & 1.61M SCF N2 70 Q. SIW. RD. TOTAL FRAC LOAD = 2,071 BBLs (INCL 24 BBLs ACID). TOTAL SAND = 253,604 LBS. TOTAL N2 = 3.25M SCF.**

- 8/29/2023** MIRU. PJSM. SICP-0 PSI, SITP-1,300 PSI, SIBHP-0 PSI. RU FLOWLINES. BDW. LUBRICATE IN 2-WAY CHECK. ND FRAC STACK. NU BOP. PT BOP, GOOD TEST. RDMO WELLCHECK. STING OUT OF PKR. CSG WENT ON A VACUUM. PULL HANGER TO FLOOR. LUBE 2-WAY CHK OUT OF HANGER. PUMP 18 BBL TBG KILL. RD BIG RED. LD FRAC STRING. CHG OUT PIPE RAMS & EQUIP. SDFN.
- 8/30/2023** SICP-15 PSI, SITP-0 PSI, SIBHP-0 PSI. PJSM. BDW. TIH 3-3/4" WASHOVER SHOE & 6 DCS TO 4,415'. START AIR/MIST, UNLOAD WELL. CUT AIR. CONT TIH. TAG PKR @ 5,092'. RU PWR SWVL. BREAK CIRC. START DO PKR, PARTS IN RETURNS. PKR DROPPED. CIRC WELL CLEAN. TIH TO 5,530', NO PKR. POOH ABOVE LINER TOP TO 3,673'. SISW. SDFN.
- 8/31/2023** SICP-600 PSI, SITP-0 PSI, SIBHP-0 PSI. PJSM. OPEN WELL. TOO H W/REM TBG & WASHOVER SHOE. PUMP 100 BBL KILL. RIH W/ FISHING BHA 3-1/8" TBG SPEAR W/ 2.398" GRAPPLE. TAG PKR @ 5,745'. WORK SPEAR DOWN, GAIN 2'. LD 1 JT. POOH TO SURFACE. ALL FISH RETRIEVED. RIH W/ 3-7/8" 3-BLADE JUNK MILL, TAG FRAC PLUG @ 5,753'. RU PWR SWVL & AIR/MIST. BREAK CIRC. **DO FRAC PLUG**. CIRC & DO. HANG BACK PWR SWVL. PUMP TBG KILL. TIH, TAG PLUG PART @ 6,055'. LD 1 JT. TOO H 40 STNDS. SISW. SDFN.
- 9/1/2023** PJSM. SITP-0, SICP-650, SIBHP-0. BDW. TIH, TAG @ 6023' (294' OF FILL). PU SWIVEL & CO TO PLUG 2 @ 6317'. **DO PLUG #2**. CIRC HOLE CLEAN W/SWEEPS. RIH, TAG @ 7794'. **DO PLUG #3 @ 7794'**. CIRC HOLE CLEAN. TOH ABOVE PERFS. SISW. SDFN.
- 9/2/2023** PJSM. SITP: 0 PSI, SICP: 500 PSI, SIBHP: 0 PSI. BDW. TIH, TAG FILL @ 7930' (20' FILL). PU PWR SWVL. KI AIR/MIST. EST CIRC. CO PLUG PARTS & SAND TO **7950' PBTD**. CIRC CLEAN. PUMP SWEEPS. RACK SWVL. TOO H. LD DC & 3-7/8" CO BHA. PU PROD BHA, TIH W/TBG (DRIFTING). TAG PBTD @ 7950'. LD TBG TO 7876'. LAND 254 JTS 2-3/8", 4.7#, J-55 **TBG @ 7876'** (SN @ 7874'). RD FLOOR. ND BOP. NU WH. PT TBG TO 500 PSI (GOOD). PUMP OFF EXP CHK @ 850 PSI. UNLOAD WELL. RDRR.

THE WELL IS PRODUCING AS A MV/DK COMMINGLE ON GAS ALLOWABLE WAITING ON RC C-104 APPROVAL.

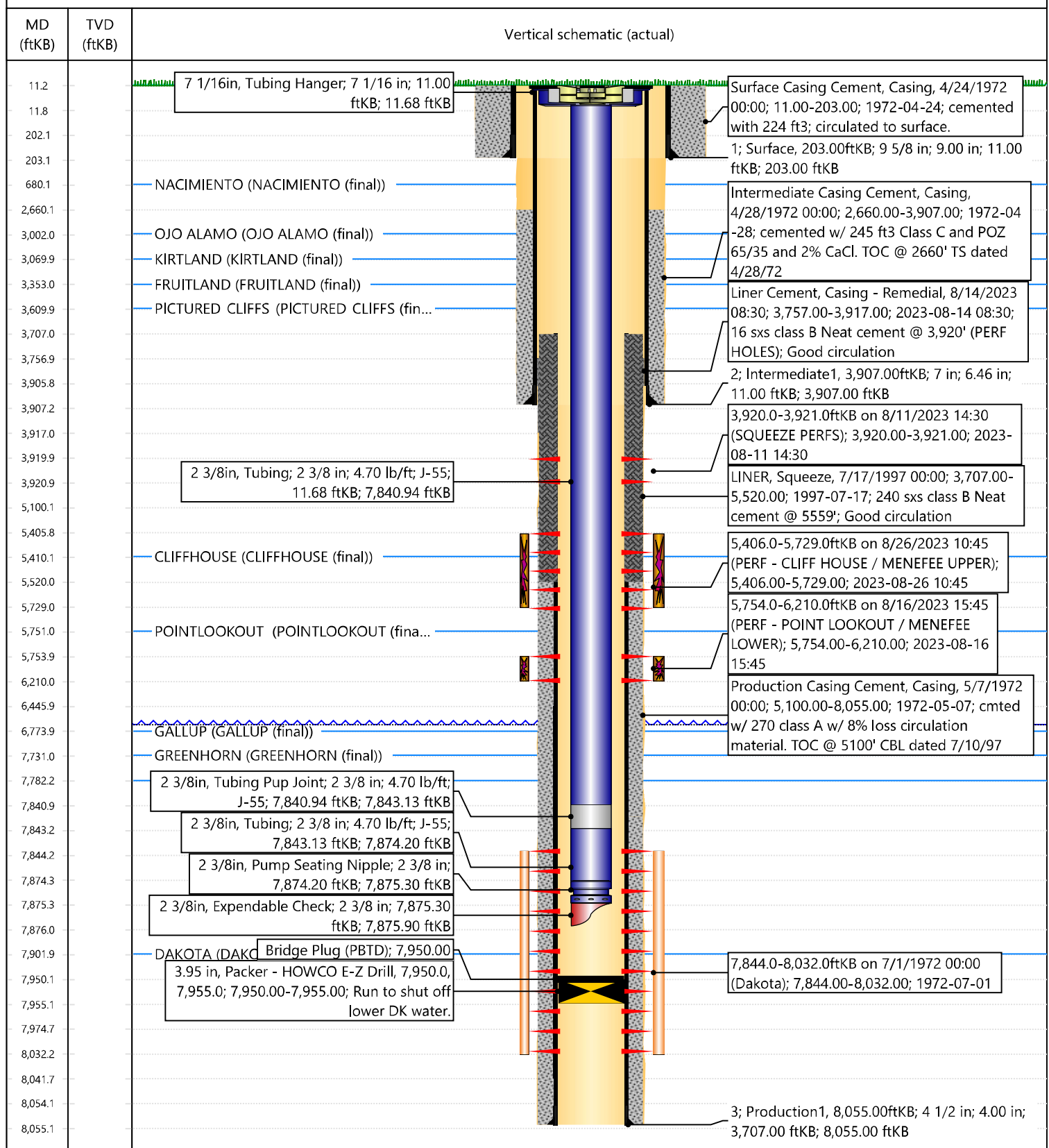


## Current Schematic - Version 3

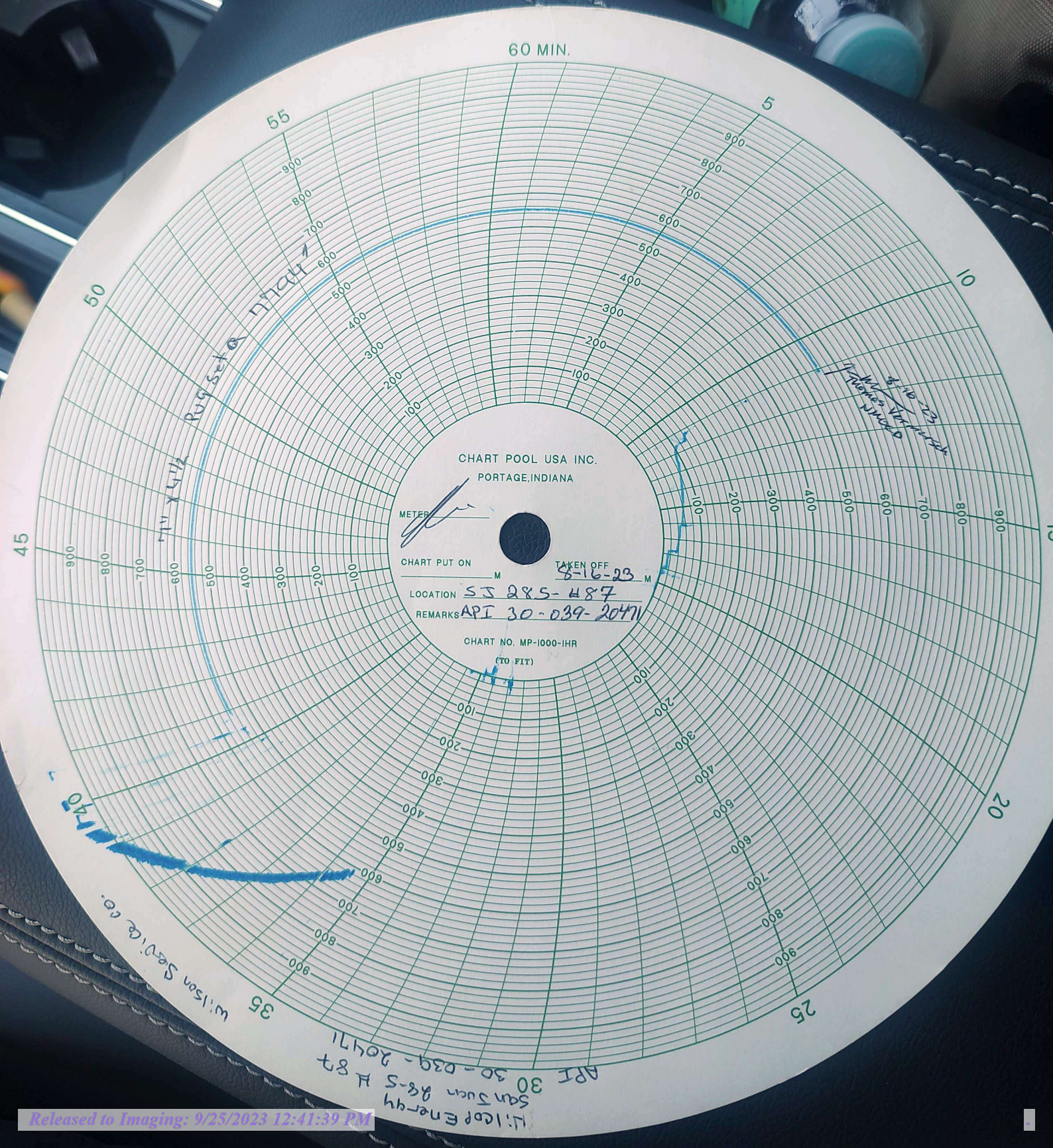
Well Name: SAN JUAN 28-5 UNIT #87

API / UWI 3003920471	Surface Legal Location 022-028N-005W-B	Field Name BSN DK(PRO GAS) #0068	Route 1308	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,674.00	Original KB/RT Elevation (ft) 6,685.00	RKB to GL (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

## Original Hole [VERTICAL]









Cheryl Weston

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From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
Sent: Thursday, August 10, 2023 5:12 PM  
To: Rennick, Kenneth G; Bennett Vaughn  
Cc: James Osborn; Ben Hampton; Cheryl Weston; Scott Matthews; Ray Brandhurst; Brett Houston; Monica Ardoin; Tel Baird - (C)  
Subject: RE: [EXTERNAL] San Juan 28-5 Unit 87 CBL

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

NMOCD approval is given to continue with recomplete through MV perforations from 5408 to 6210

Thank you

Note: in future emails please include api number.

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
Office Phone: 505-334-6178 ext. 123  
Cell Phone: 505-320-0243  
Email - monica.kuehling@emnrd.nm.gov

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From: Rennick, Kenneth G <krennick@blm.gov>  
Sent: Thursday, August 10, 2023 2:05 PM  
To: Bennett Vaughn <Bennett.Vaughn@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
Cc: James Osborn <josborn@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; Cheryl Weston <cweston@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Ray Brandhurst <rbrandhurst@hilcorp.com>; Brett Houston <Brett.Houston@hilcorp.com>; Monica Ardoin <mardoin@hilcorp.com>; Tel Baird - (C) <Tel.Baird@hilcorp.com>  
Subject: Re: [EXTERNAL] San Juan 28-5 Unit 87 CBL

The BLM finds the proposed perforations appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer



Bureau of Land Management  
Farmington Field Office  
6251 College Blvd  
Farmington, NM 87402

Email: [krennick@blm.gov](mailto:krennick@blm.gov)  
Mobile & Text: 505.497.0019

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From: Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>  
Sent: Thursday, August 10, 2023 1:43 PM  
To: [monica.kuehling@state.nm.us](mailto:monica.kuehling@state.nm.us) <[monica.kuehling@state.nm.us](mailto:monica.kuehling@state.nm.us)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Cheryl Weston <[cweston@hilcorp.com](mailto:cweston@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Monica Ardoin <[mardoin@hilcorp.com](mailto:mardoin@hilcorp.com)>; Tel Baird - (C) <[Tel.Baird@hilcorp.com](mailto:Tel.Baird@hilcorp.com)>  
Subject: [EXTERNAL] San Juan 28-5 Unit 87 CBL

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Afternoon Monica and Kenny,

Attached is the CBL for the MV recomplete on San Juan 28-5 Unit 87. We are requesting to perforate this well from 5,408' – 6,210'.

Let me know if you have any questions!

Thanks,

Bennett Vaughn  
*Ops Engineer*  
San Juan East Asset Team  
Hilcorp Energy Company  
o: (346) 237-2195 | c: (281) 409-5066  
e: [Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)

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While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission,

Cheryl Weston

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From: blm-afmss-notifications@blm.gov  
Sent: Wednesday, September 13, 2023 8:10 AM  
To: Cheryl Weston  
Subject: [EXTERNAL] Well Name: SAN JUAN 28-5 UNIT, Well Number: 87, Notification of Well Completion Acceptance

**CAUTION:** External sender. DO NOT open links or attachments from UNKNOWN senders.

## The Bureau of Land Management

### Notice of Acceptance for Well Completion Report

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **SAN JUAN 28-5 UNIT**
- Well Number: **87**
- US Well Number: **3003920471**
- Well Completion Report Id: **WCR2023091389291**

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

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

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

2. Name of Operator

Hilcorp Energy Company

3. Address

382 Rd 3100, Aztec NM 87410

3a. Phone No. (include area code)

(505) 333-1700

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

At surface Unit B (NWNE), 1050' FNL &amp; 1840' FEL

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded

4/23/1972

15. Date T.D. Reached

5/9/1972

16. Date Completed

9/3/2023

☐ D & A☒ Ready to Prod.

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

6,689'

18. Total Depth:

8,055'

19. Plug Back T.D.:

7,950'

20. Depth Bridge Plug Set:

MD

7950'

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
13 3/4"	9 5/8" H-40	32.3#	0	203'	n/a	224 cf			
8 3/4"	7" K-55	20#	0	3,907'	n/a	245 cf			
6 1/4"	4.5" N-80/K-55	11.6#,10.5#	0	8,055'	n/a	685 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"	7,876'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cliffhouse /Upper Menefee	5,406'	5,729'	1 SPF	.29"	22	open
B) Point Lookout/Lower Menefee	5,754'	6,210'	1 SPF	.33"	23	open
C) Squeeze Perfs	3,920'	3,921'	3 SPF		3	squeezed
D)						
TOTAL					48	

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

Depth Interval	Amount and Type of Material
5406-5729	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 43,092 gal 70 Q slickwater, 128,407# 20/40 sand, 1.61M SCF N2.
5754-6210	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 42,882 gal 70 Q slick water, 125,197# 20/40 sand, 1.64M SCF N2
3920-3921	16 sxs class B Neat cement @ 3,920'

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
9/3/2023	9/3/2023	4	➡	0	80 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	
18/64"	400 psi	420 psi	➡	0	80 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)



## 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		0	White, cr-gr ss	Ojo Alamo	
Kirtland		0	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	
Fruitland		0	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	
Pictured Cliffs		0	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	
Lewis		0	Shale w/ siltstone stingers	Lewis	
Huerfanito Bentonite		0	White, waxy chalky bentonite	Huerfanito Bentonite	
Chacra		5,410'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	
Cliff House	5,410'		Light gry, med-fine gr ss, carb sh & coal	Cliff House	5,410'
Menefee		5,751'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	
Point Lookout	5,751'		Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5,751'
Mancos		6,774'	Dark gry carb sh.	Mancos	
Gallup	6,774'	7,731'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6,774'
Greenhorn	7,731'	7,782'	Highly calc gry sh w/ thin lmst.	Greenhorn	7,731'
Graneros	7,782'	7,902'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7,782'
Dakota	7,902'		Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7,902'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

This well is currently producing as a MV/DK commingle per DHC-5309. MV PA - NMNM078411A

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) Cherylene Weston Title Operations/Regulatory Technician

Signature Cherylene Weston Date 9/12/2023

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.

**District I**  
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Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
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**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 264854

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 264854
	Action Type: [C-104] Completion Packet (C-104C)

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.

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Energy, Minerals and Natural Resources  
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CONDITIONS  
  
Action 264854

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/25/2023