

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

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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 30-039-07528	<sup>5</sup> Pool Name Blanco-Mesaverde (Prorated Gas)	<sup>6</sup> Pool Code 72319
<sup>7</sup> Property Code 318838	<sup>8</sup> Property Name San Juan 29-6 Unit	<sup>9</sup> Well Number 81

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

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
L	25	29N	6W		1675	South	1190	West	Rio Arriba

**<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
<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
373888	Harvest Four Corners, LLC	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date 11/19/1963	<sup>22</sup> Ready Date 6/5/2023	<sup>23</sup> TD MD 7791'	<sup>24</sup> PBTD MD 7775'	<sup>25</sup> Perforations 5113'-5658'	<sup>26</sup> DHC, MC DHC-5289
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
12 1/4"	8 5/8", 24#, J-55	321'	175 sx		
7 7/8"	4 1/2", 11.6#, ST&C	7791'	530 cf		
	2 3/8", 4.7#, J-55	7710'			

**V. Well Test Data**

<sup>31</sup> Date New Oil N/A	<sup>32</sup> Gas Delivery Date 6/5/2023	<sup>33</sup> Test Date 6/5/2023	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 390 psi	<sup>36</sup> Csg. Pressure 470 psi
<sup>37</sup> Choke Size 24/64"	<sup>38</sup> Oil 0	<sup>39</sup> Water 0 bwpd	<sup>40</sup> Gas 392 mcf/d		<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: <i>Cherylene Weston</i> Printed name: Cherylene Weston Title: Operations Regulatory Tech Sr. E-mail Address:p cweston@hilcorp.com Date: 6/14/2023	OIL CONSERVATION DIVISION				
	Approved by: Sarah McGrath				
	Title: Petroleum Specialist - A				
	Approval Date: 07/06/2023				
	Upload CBLs to OCD Permitting/ Well Logs				
Phone: (713) 289-2615					

<b>Well Name:</b> SAN JUAN 29-6 UNIT	<b>Well Location:</b> T29N / R6W / SEC 25 / NWSW / 36.693909 / -107.418686	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 81	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM012671	<b>Unit or CA Name:</b> SAN JUAN 29-6 UNIT--DK	<b>Unit or CA Number:</b> NMNM78416B
<b>US Well Number:</b> 300390752800S1	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

**Subsequent Report**

**Sundry ID:** 2734531

**Type of Submission:** Subsequent Report

**Type of Action:** Recompletion

**Date Sundry Submitted:** 06/13/2023

**Time Sundry Submitted:** 12:38

**Date Operation Actually Began:** 03/29/2023

**Actual Procedure:** The subject well was recompleted into the Mesaverde and downhole commingled with the existing Dakota. Please see attached reports.

**SR Attachments**

**Actual Procedure**

SJ\_29\_6\_Unit\_81\_RC\_Subsequent\_SR\_20230613123803.pdf

**Well Name:** SAN JUAN 29-6 UNIT

**Well Location:** T29N / R6W / SEC 25 /  
NWSW / 36.693909 / -107.418686

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

**Well Number:** 81

**Type of Well:** CONVENTIONAL GAS  
WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM012671

**Unit or CA Name:** SAN JUAN 29-6  
UNIT--DK

**Unit or CA Number:**  
NMNM78416B

**US Well Number:** 300390752800S1

**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:** JUN 06, 2023 11:14 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:** 06/14/2023

**Signature:** Matthew Kade

San Juan 29-6 Unit 81  
API # 30-039-07528  
Recomplete Subsequent Sundry

3/29/23 BH- 0, CSG-35, TBG-30. MIRU. BWD. ND WH, NU BOP. PT BOP, good test. Worked stuck hanger & parted tbg. SIW. SDFN.

3/30/23 BH-0 PSI, CSG-35 PSI, TBG-35 PSI. BWD. LD 1823' Tbg. MU overshot. Engage fish @ 1835'. Worked tbg free, LD all tbg. SDFN.

3/31/23 BH-0 PSI, CSG-90 PSI. BWD. TIH w/mill. Obstruction @ 7651' (8' above CIBP set depth). TOO H & LD mill. MU 3-3/4" OS, TIH & tag @ 7651'. Unable to get past tag. SDFN.

4/3/23 BH-0 PSI, CSG-230 PSI, TBG-80 PSI. TOH tbg & OS. TIH w/2-3/8" tbg, tag @ 7745'. TOO H. SIW. SDFN.

4/4/23 BH-0 PSI, CSG-150 PSI. Received verbal approval from Monica Kuehling, NMOCD & Kenny Rennick, BLM to set RBP @ 7631' instead of CIBP @ 7659'. TIH & set RBP @ 7631'. Load csg & circ well. PT csg to 560 psi, lost 100 psi/min. TOO H w/tbg. TIH w/4.5" packer. Test 0-3488', good test. Test 3448'-7631', lost 10 psi/min. Secure well & SDFN.

4/5/23 BH-0 PSI, CSG-0 PSI, TBG-0 PSI. Cont PT casing. Isolated leak 6638'-7534'. Replace packer, TIH & cont PT csg. All good tests. Test 0-7631' (RBP), held 1 hr. Secure well & SDFN.

4/6/23 BH-0 PSI, CSG-0 PSI, TBG-0 PSI. MIT casing 0-7631' to 560 psi, witnessed/approved by Lenny Moore, NMOCD. TOO H & LD 2400' tbg & pkr. RU Basin WL. Run CBL from 7631' - surface. Dump bail 15' sand above RBP. TIH, set CBP @ 5670'. RD WL. Secure well & SDFN.

4/10/23 BH-0 PSI, CSG-0 PSI. Sent CBL to Monica Kuehling, NMOCD & Kenny Rennick, BLM. Received verbal approval to adjust perf range to 5113'-5658'.

OA

4/12/23 BH-0 PSI, CSG-0 PSI. Perf Mesaverde w/0.34" diam. @ 3 SPF at: 5420', 5430', 5441', 5451', 5462', 5472', 5480', 5488', 5507', 5523', 5538', 5547', 5572', 5591', 5595', 5610', 5627', 5638', 5653', 5658'= 20 holes. Set frac plug @ 5395'. Att to work frac plug free, pulled out of rope socket w/WL. PU & TIH w/fishing tools & work string to 1522'. SDFN.

4/13/23 BH-0 PSI, CSG-0 PSI, TBG-0 PSI. Worked plug free. RU Basin WL. Set Model D packer @ 5050'. RD WL. PU 2-7/8" frac string to 2500'. SDFN.

4/14/23 BH-0 PSI, CSG-0 PSI, TBG-0 PSI. Finish landing Frac string @ 5110'. RD floor. ND BOP. NU 4" 10K frac stack. PT to 9000 psi x 30 min. Good test. RU SL, punch out dual disc sub. SI well. RD & release rig. W/O Frac.

5/5/23 MIRU Frac crew. PT frac string. Frac Stage 1 (5420' – 5658'): BD well w/500 Gal 15% HCL. Foam Frac w/ 124,966# 20/40 AZ Sand, 45,318 gal 70Q slickwater and 1.67M SCF N2. Perf Cliffhouse/Upper Menefee 0.29" diam. @ 3 SPF at: 5113', 5119', 5130', 5138', 5154', 5167', 5176', 5187', 5208', 5219', 5233', 5245', 5259', 5275', 5294', 5309', 5318', 5330', 5342', 5362', 5369', 5382'= 22 holes. RD WL.

Frac Stage 2 (5113' – 5382'): BWD w/500 Gal 15% HCL. Foam Frac w/ 42,252 gal of 70Q slick water, 121,270# 20/40 AZ sand, 1.47M SCF N2. RD Frac. SIW. SDFN.

5/8/23 BH-0 PSI, CSG-0 PSI, TBG-650 PSI. BDW. ND Frac Stack, NU BOP. PT BOP. Good Test. TIH unset pkr @ 7631'. LD frac string. XO to 2-3/8" tbg. SIW. SDFN.

5/9/23 BH-0 PSI, CSG-620 PSI, TBG-0 PSI. Tally & PU tubing to Model D packer @ 5,050'. RU power swivel. Est circ w/air & mist. DO packer. Hang back PS. TOO H, LD washover assembly (no recovery). TIH w/fishing assembly. Tag 10' fill @ 5,352'. TOO H w/tbg above perfs.

5/10/23 BH- 0 PSI, CSG- 620 PSI, TBG- 0 PSI. TIH & tag @ 5,362', unable to latch packer. RU swivel. Est circ w/air & mist, engage packer. TOO H, LD fishing tools & packer. TIH to plug @ 5,395'. Est circ w/air & mist. DO frac plug @ 5,395'. Tag 77' fill above CBP @ 5,670'. CO fill & chase plug to 5,670'. DO CBP @ 5,670'. Pull tubing to above perfs. SIW. SDFN.

5/11/23 BH- 0 PSI, CSG- 550 PSI, TBG- 0 PSI. TIH to CBP @5,670'. RU swivel. Est circ w/air & mist. DO CBP @ 5,670'. TOO H w/tubing & mill. RU Wireline Group. RIH w/GR & log from 4,500' - 6,000'. Secure well. SDFN.

5/12/23 Tracer log sent to NMOCD/BLM. Received verbal approvals for permission to revise cmt interval to 3,654'-3,804' by Monica Kuehling, NMOCD & Kenny Rennick, BLM. OCD requested MIT after DO & BH test prior to MIT on day of MIT. After cmt sqz, will CO WB, run witnessed MIT & proceed w/removal of DK plug.

5/13/23 BH- 0 PSI, CSG- 530 PSI, TBG- 0 PSI. Kill well w/30 bbls. TIH & set 4-1/2" RBP @ 3,954'. Load & test casing to 600 PSI – good test. RU WL. Perf sqz holes @ 3,600' & 3,804'. TIH & set 4.5" packer @ 3,696'. Circ 110 bbls through sqz holes. Secure well & SDFN.

5/15/23 BH-0 PSI, CSG- 0 PSI, TBG- 0 PSI. Set packer @ 3,696', pump 18 bbls & confirm circ through sqz holes. LD packer. Set CR @ 3,696'. RU Drake Energy Services. Pump 56 sx Type III Cmt, 14.6 PPG 1.37 yield (50% excess) 3,604' - 3,800'. Cmt below CR & sqz perfs. Pump 150' bal plug above CR 3,546' - 3,696'. Top off well, squeeze .25 bbl. Secure well & SDFN.

5/16/23 BH-0 PSI, CSG- 0 PSI. PT casing to 540 PSI – good test. TIH w/bit & drill collars. TOC @ 3,544'. DO cmt from 3,544' - 3,696'. DO CR @ 3,696'. Cont DO to 3,754'. PT casing 560 PSI – lost 8 PSI/min. Circ 60 bbls. Re-test casing, same results. Call in findings. Secure well & SDFN.

5/17/23 BH-0 PSI, CSG-0 PSI, TBG-0 PSI. PT casing to 560 PSI – lost 10 PSI/min. DO cmt 3,754' - 3,810'. Re-test casing, same leak off 10 PSI/min. RU WL, run CBL from 3,390' - 3,940'. Submit results. Received verbal approvals from Monica Kuehling, NMOCD & Kenny Rennick, BLM to proceed w/operations. RU Drake Energy Services. Mix & pump 183' balance plug from 3,477' - 3,660'. RD cmt equip. Psi up on sqz to 600 psi. Pump 1 bbl after 1 hr. Secure well & SDFN.

5/18/23 BH-0 PSI, CSG-0 PSI. PT casing to 560 PSI, good test. Tag TOC @ 3,505'. DO cmt 3,505' - 3,665'. Circ w/60 bbls water. PT casing to 560 psi - lost 6 psi/min. TIH & PT casing w/packer. Packer failure. TOO H, LD packer. Secure well & SDFN.

5/19/23 BH-0 PSI, CSG-0 PSI. TIH w/packer, verify casing leaks to be sqz holes @ 3,604' & 3,800'. TOO H w/packer. RU Drake Energy Services. Pump 475' balance plug from 3,381' - 3,856'. Rev circ clean. Psi up on cmt, pump 3 bbls after 2 hours. Secure well & SDFN.

5/22/23 BH-0 PSI, CSG-350 PSI (squeeze PSI). TIH & tag TOC @ 3,470'. PU swivel. PT casing- good test. DO cmt 3,470' - 3,689'. Circ well clean. PT casing 0' - 3,689' to 600 PSI. Lost 50 PSI/min for first 100 PSI then down to 10 PSI/MIN. TOO H tubing, LD bit. TIH, identify leak @ 3,603'-3,634'. TOO H & LD packer. Secure well & SDFN.

5/23/23 BH-0 PSI, CSG- 0 PSI. RU HEC cmt equipment. Pump 296' balance plug from 3364' - 3,660'. PSI up on cmt to 600 PSI. Pump 1 BBL after 2 hours. SI well at 600 PSI. Secure well & SDFN.

5/24/23 BH-0 PSI, CSG- 500 PSI. TIH w/DC & bit. TOC at 3,470'. DO cmt 3,470'-3,689'. Circ clean. PT casing 0'-3,689' to 600 PSI. Lost ~3 PSI/min. Re-test multiple times, same result. Call in findings. Secure well & SDFN.

5/25/23 BH-0 PSI, CSG- 0 PSI, TBG- 0 PSI. TOO H, LD bit. TIH, set packer @ 3,600' (sqz hole @ 3,604'). PSI up to 1,200 PSI - lost 100 PSI for 1 min, then ~60 PSI/min after. Set packer @ 2,509'. PSI up to 1,200 PSI - lost 6 PSI/min. Call in findings. TOO H w/packer. Verbal approvals from Monica Kuehling/NMOCD & Kenny Rennick/BLM to pump cement again on sqz hole @ 3,604'. RU Drake Energy Services. Pump 30 sx cmt, 193' balance plug from 3,435' - 3,628'. TIH w/packer to 2,509'. Squeeze 1/2 BBL. SI @ 1,200 PSI. Secure well & SDFN.

5/30/23 BH-0 PSI, CSG- 0 PSI, TBG- 1,200 PSI (squeeze psi). TOO H, LD packer. DO cmt 3,430' - 3,635'. Circ clean & test. DO cmt 3,689' - 3,856'. Circ clean. Secure well & SDFN.

5/31/23 BH-0 PSI, CSG- 0 PSI, TBG- 0 PSI. PT casing 0' - 3,954' (RBP) to 560 PSI, lost 3 PSI/min. Call in findings. TOO H w/tubing. TIH w/packer to verify leak. PT casing & chart. Good test from 0' - 3,600' & 3,535' - 3,954' (sqz perms). Test from 0' - 3,535' lost 10 PSI/min. Re-test multiple times w/same results. Pull packer above sqz perms. Secure well & SDFN.

6/1/23 BH-0 PSI, CSG- 0 PSI, TBG- 0 PSI. PT casing w/packer. Good test from 72' - 3,954'. PT 0' - 72' (WH) lost 20 PSI/min. LD packer. ND BOP. ND tubing head. NU 11" 3K X 7" 5K tubing head. PT seals - good test. NU BOP. PT casing 0' - 3,954', good test held for 30 min. Secure well & SDFN.

6/2/23 BH-0 PSI, CSG- 0 PSI, TBG- 0 PSI. Run MIT on 4.5" casing 0' - 3,954' (RBP). MIT witnessed & passed by John Durham, NMOCD. RU The Wireline Group. Run CBL on 4.5" casing 3,900' - 3,400'. RD WL. TIH & CO fill to RBP @ 3,954'. Release RBP. Secure well & SDFN.

6/3/23 0-PSI, CSG-490 PSI, TBG-0 PSI. TIH, tag 40' fill. CO fill w/ air & mist to RBP. Release plug. TOO H w/RBP. Land 237-jts 2-3/8" J-55 tubing @ 7,710' (SN @ 7,708'). RD floor, ND BOP. NU WH. RR @ 2200 hrs.

This well is currently producing as a MV/DK Commingle on DHC-5289 with Gas Allowable C-104 waiting on RC C-104 approval.

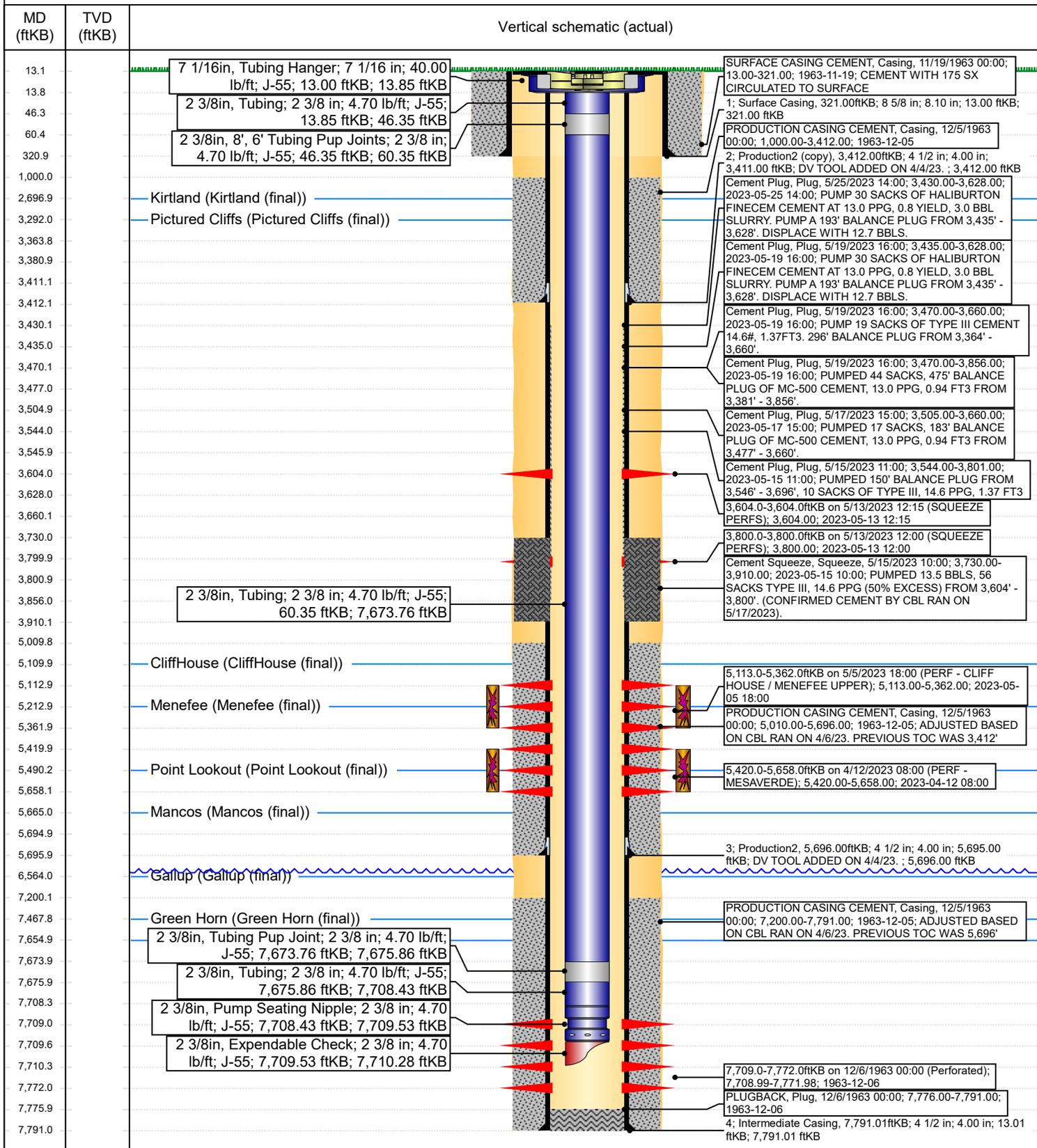


### Current Schematic - Version 3

Well Name: SAN JUAN 29-6 UNIT #81

API / UWI 3003907528	Surface Legal Location 025-029N-006W-L	Field Name DK	Route 1305	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,414.00	Original KB/RT Elevation (ft) 6,427.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

### Original Hole [Vertical]





Cheryl Weston

---

From: Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>  
Sent: Thursday, June 1, 2023 3:15 PM  
To: Cheryl Weston; McGrath, Sarah, EMNRD  
Cc: Mandi Walker  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 Test C-104 (API 30-039-07528)

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Extension granted- please save for your records

Justin Wrinkle  
EMNRD  
Petroleum Specialist Supervisor  
505-670-0802  
Justin.wrinkle@emnrd.nm.gov

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From: Cheryl Weston <cweston@hilcorp.com>  
Sent: Thursday, June 1, 2023 2:12 PM  
To: Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>; McGrath, Sarah, EMNRD <SarahK.McGrath@emnrd.nm.gov>  
Cc: Mandi Walker <mwalker@hilcorp.com>  
Subject: [EXTERNAL] San Juan 29-6 Unit 81 Test C-104 (API 30-039-07528)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Justin,

The above well was recently recompleted and is currently on a test C-104 with an expiration date of 6/6/2023. The rig is still on the well due to some problems encountered and likely won't be done in time. Monica Kuehling is aware of the issues encountered.

Hilcorp Energy requests an extension on the test allowable for an additional 30-days to allow additional time to get the final paperwork filed.

Thank you,



Cheryl L. Weston  
San Juan East/South Regulatory  
1111 Travis Street  
Houston, TX 77002  
Ofc: 713-289-2615  
[cweston@hilcorp.com](mailto:cweston@hilcorp.com)

Cheryl Weston

---

From: Rennick, Kenneth G <krennick@blm.gov>  
Sent: Friday, May 26, 2023 9:42 AM  
To: Kuehling, Monica, EMNRD; Cheryl Weston  
Cc: Mandi Walker; James Osborn; Ben Hampton; Ray Brandhurst; Scott Matthews; Eliza Ann Moehlman; Brett Houston; Bennett Vaughn  
Subject: Re: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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The BLM finds the work appropriate.

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From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
Sent: Thursday, May 25, 2023 2:34:20 PM  
To: Cheryl Weston <cweston@hilcorp.com>; Rennick, Kenneth G <krennick@blm.gov>  
Cc: Mandi Walker <mwalker@hilcorp.com>; James Osborn <josborn@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; Ray Brandhurst <rbrandhurst@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>; Brett Houston <Brett.Houston@hilcorp.com>; Bennett Vaughn <Bennett.Vaughn@hilcorp.com>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

NMOCD approval is given with prior approval from the BLM

Thank you

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

---

From: Cheryl Weston <cweston@hilcorp.com>  
Sent: Thursday, May 25, 2023 1:18 PM  
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; krennick@blm.gov  
Cc: Mandi Walker <mwalker@hilcorp.com>; James Osborn <josborn@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; Ray Brandhurst <rbrandhurst@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>; Brett Houston <Brett.Houston@hilcorp.com>; Bennett

Vaughn <Bennett.Vaughn@hilcorp.com>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

Monica/Kenny,

Please see note below from Engineer.

After drilling out cement yesterday evening, we are still leaking on the San Juan 29-6 Unit 81 and have isolated it to the same hole at around 3604. We plan to pump cement again this afternoon to fix the leak and wanted to get your confirmation.

We will perform a witness MIT afterwards if the cement repairs the issue.

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)

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Sent: Thursday, May 25, 2023 12:37 PM  
To: Cheryl Weston <[cweston@hilcorp.com](mailto:cweston@hilcorp.com)>  
Cc: Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Cheryl – does this well have an approved MIT from the las squeeze - Monica

----- Original message -----

From: "Rennick, Kenneth G" <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Date: 5/23/23 9:59 AM (GMT-06:00)  
To: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>, "Kuehling, Monica, EMNRD" <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>, Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>, Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>, Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>, Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>, Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>, Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>, Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: Re: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Thank you for the information, Kandis!

Kenny Rennick

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

---

From: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Sent: Tuesday, May 23, 2023 7:13 AM  
To: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>; Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

Monica/Kenny,

Please see note below from Engineer.

Per your conversation with Juan about the San Juan 29-6 Unit 81 on Friday (5/19), we moved forward and pumped cement to fix the holes at 3604' and 3800'. On Monday (5/22) we drilled out the cement covering the top hole at 3604' and found the casing to still be leaking. We will be pumping another cement plug across this hole this morning with the plan to drill out tomorrow morning.

Thanks,

Kandis Roland  
HILCORP ENERGY  
San Juan East/South Regulatory  
713.757.5246  
[kroland@hilcorp.com](mailto:kroland@hilcorp.com)

---

From: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Sent: Wednesday, May 17, 2023 2:20 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>

Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: Re: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Hello,

Unsure of the proper response, already found the work appropriate in an earlier message.

But to confirm, BLM finds all work being done appropriate. Please note NM OCD response in previous message. Please indeed include a subsequent report of work done with all the email conversations.

Kenny Rennick

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

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Sent: Wednesday, May 17, 2023 1:03 PM  
To: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

NMOCD approval is given to cement work performed on May 16, 2023 to put a cement block between frac and MV top at 3754. Block is noted from 3732 to bottom of log at 3930.

All approvals are with prior approval from the BLM.

Please include all email chains with subsequent and submit all logs through our e-permitting site.

Thank you

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](mailto:monica.kuehling@emnrd.nm.gov)

---

From: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Sent: Wednesday, May 17, 2023 12:07 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

Monica/Kenny,

Cement work was completed. Please see attached CBL for review for the subject well.

Thanks,

Kandis Roland  
HILCORP ENERGY  
San Juan East/South Regulatory  
713.757.5246  
[kroland@hilcorp.com](mailto:kroland@hilcorp.com)

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Sent: Friday, May 12, 2023 3:59 PM  
To: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Forgot to mention – an MIT is required after drill out with a bradenhead test prior to mit day of mit.

Thank you

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](mailto:monica.kuehling@emnrd.nm.gov)

---

From: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Sent: Friday, May 12, 2023 2:57 PM  
To: Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>;  
Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Ray Brandhurst  
<[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman  
<[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker  
<[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: Re: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

BLM finds the proposed work appropriate.

Kenny Rennick

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---

From: Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>  
Sent: Friday, May 12, 2023 2:23:57 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>; 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)>; Ray Brandhurst  
<[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman  
<[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker  
<[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

Monica/Kenny,

We plan to do cement work and cement from 3,700' – 3,800'. Please let us know if you approve of this work.

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)

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrn.nm.gov](mailto:monica.kuehling@emnrn.nm.gov)>  
Sent: Friday, May 12, 2023 3:14 PM  
To: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Kandis

With tracer log plus review of cbl from 4/10/23 – No cement from 3416 to 5040 – (please evaluate the isolation from 4860' to 3754)– Hilcorp call on formation top is 3754 – There is no cement coverage between formations - Cement work is required to within 50 feet of top of formation.

Monica

---

From: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Sent: Friday, May 12, 2023 1:30 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrn.nm.gov](mailto:monica.kuehling@emnrn.nm.gov)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

Monica,

We are showing that the top of the Mesaverde is 3754'.

Thanks,

Kandis Roland  
HILCORP ENERGY  
San Juan East/South Regulatory  
713.757.5246  
[kroland@hilcorp.com](mailto:kroland@hilcorp.com)

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrn.nm.gov](mailto:monica.kuehling@emnrn.nm.gov)>  
Sent: Friday, May 12, 2023 2:21 PM  
To: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>

Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Kandis are you still in formation when gas is at 4860

Monica

---

From: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Sent: Friday, May 12, 2023 12:57 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>; Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

Monica,

Attached is the tracer log for the San Juan 29-6 Unit 81. The tracer log shows the frac to have stayed within the legal MV. We are requesting to move forward with the removal of the DK plug and commingle flow of the MV and DK.

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)

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Sent: Monday, April 10, 2023 11:48 AM  
To: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>  
Subject: RE: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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NMOCD approval is given to continue with recomplete with adjusted perforations from 5113 to 5658 – Tracer is required.

Thank you

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](mailto:monica.kuehling@emnrd.nm.gov)

---

From: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Sent: Monday, April 10, 2023 10:08 AM  
To: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Cc: James Osborn <[josborn@hilcorp.com](mailto:josborn@hilcorp.com)>; Ben Hampton <[bhampton@hilcorp.com](mailto:bhampton@hilcorp.com)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>  
Subject: Re: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

The BLM finds the proposed perforations and tracers 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

---

From: Kandis Roland <[kroland@hilcorp.com](mailto:kroland@hilcorp.com)>  
Sent: Monday, April 10, 2023 9:34 AM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; 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)>; Bennett Vaughn <[Bennett.Vaughn@hilcorp.com](mailto:Bennett.Vaughn@hilcorp.com)>; Ray Brandhurst <[rbrandhurst@hilcorp.com](mailto:rbrandhurst@hilcorp.com)>; Scott Matthews <[scmatthews@hilcorp.com](mailto:scmatthews@hilcorp.com)>; Eliza Ann Moehlman <[Eliza.Ann.Moehlman@hilcorp.com](mailto:Eliza.Ann.Moehlman@hilcorp.com)>; Brett Houston <[Brett.Houston@hilcorp.com](mailto:Brett.Houston@hilcorp.com)>  
Subject: [EXTERNAL] San Juan 29-6 Unit 81 (30-039-07528) - CBL

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Monica/Kenny,

Attached is the CBL that was ran during the recomplete wellbore prep for the subject well. After running the CBL HEC found bottom of cement at 5,703' and top of cement at 5,035'. Hilcorp is requesting permission to adjust perf range from 5103' – 5678' to 5113' - 5658' and run a tracer log to prove the frac stays in zone. Link below is to the approved NOI. Please let us know if you need any additional information.

[https://ocdimage.emnrd.nm.gov/Imaging/FileStore/santafe/wf/20230310/30039075280000\\_03\\_10\\_2023\\_03\\_01\\_41.pdf](https://ocdimage.emnrd.nm.gov/Imaging/FileStore/santafe/wf/20230310/30039075280000_03_10_2023_03_01_41.pdf)

Thanks,

Kandis Roland

HILCORP ENERGY

San Juan East/South Regulatory

713.757.5246

[kroland@hilcorp.com](mailto:kroland@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, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

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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, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

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Cheryl Weston

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From: blm-afmss-notifications@blm.gov  
Sent: Wednesday, June 14, 2023 11:44 AM  
To: Cheryl Weston  
Subject: [EXTERNAL] Well Name: SAN JUAN 29-6 UNIT, Well Number: 81, 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 29-6 UNIT**
- Well Number: **81**
- US Well Number: **3003907528**
- Well Completion Report Id: **WCR2023061488364**

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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 MANAGEMENT

FORM 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

5. Lease Serial No. **NMNM012671**

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

6. If Indian, Allottee or Tribe Name

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

3a. Phone No. (include area code) **(505) 333-1700**

7. Unit or CA Agreement Name and No.  
 San Juan 29-6 Unit

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

At surface **Unit L (NWSW), 1675' FSL & 1190' FWL,**

8. Lease Name and Well No.  
**San Juan 29-6 Unit 81**

At top prod. Interval reported below **Same as above**

At total depth **Same as above**

9. API Well No. **30-039-07528**

10. Field and Pool or Exploratory  
**Blanco Mesaverde**

11. Sec., T., R., M., on Block and Survey or Area  
**Sec. 25, T29N, R6W**

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

14. Date Spudded **11/19/1963** 15. Date T.D. Reached **12/5/1963** 16. Date Completed **6/5/2023**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **6414'**

18. Total Depth: **7791'** 19. Plug Back T.D.: **7775'**

20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL, Tracer, MIT**

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"	8 5/8" J-55	24#	0	321'	n/a	175 sx			
7 7/8"	4 1/2" ST&C	11.6#	0	7791'	n/a	530 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"	7710'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cliffhouse/Upper Menefee	5113'	5382'	3 SPF	.29"	22	open
B) Mesaverde	5420'	5658'	3 SPF	.34"	20	open
C) Squeeze Perfs	3604'	3604'	1 SPF	.40"	3	closed
D) Squeeze Perfs	3804'	3804'	1 SPF	.40"	3	closed
E) TOTAL					48	

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cliffhouse/Upper Menefee	5113'	5382'	3 SPF	.29"	22	open
B) Mesaverde	5420'	5658'	3 SPF	.34"	20	open
C) Squeeze Perfs	3604'	3604'	1 SPF	.40"	3	closed
D) Squeeze Perfs	3804'	3804'	1 SPF	.40"	3	closed
E) TOTAL					48	

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

Depth Interval	Amount and Type of Material
5113-5382	Broke well w/ H2O & 12 bbls 15% HCL. Foam Frac w/ 1006 bbls of 70 Q slick water, 121,270# 20/40 sand, 1.47M SCF N2
5420-5658	Broke well w/ H2O & 12 bbls 15% HCL. Foam Frac w/ 1079 bbls of 70 Q slick water, 124,966# 20/40 sand, 1.67M SCF N2.
3604-3804	56 sx Type III cement, 14.6 PPG, 1.37 yield.

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
6/5/2023	6/5/2023	24	➔	0	392 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	
24/64"	390 psi	470 psi	➔	0	392 mcf	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			➔						

\*(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	2530'	2697'	White, cr-gr ss	Ojo Alamo	2530'
Kirtland	2697'	2907'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2697'
Fruitland	2907'	3292'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2907'
Pictured Cliffs	3292'	3421'			3292'
Lewis	3421'	4305'	Shale w/ siltstone stringers	Lewis	3421'
Chacra	4305'	5110'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4305'
Cliffhouse	5110'	5213'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5110'
Menefee	5213'	5490'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5213'
Point Lookout	5490'	5665'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5490'
Mancos	5665'	6564'	Dark gry carb sh.	Mancos	5665'
Gallup	6564'	7468'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6564'
Greenhorn	7468'	7586'	Highly calc gry sh w/ thin Imst.	Greenhorn	7468'
Graneros	7586'	7655'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7586'
Dakota	7655'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7655'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure):

This well is currently producing as a MV/DK Commingle per DHC-5289. MV PA NMNM78416A.

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 6/12/2023

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**  
 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 236875

**ACKNOWLEDGMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 236875
	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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CONDITIONS

Action 236875

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 236875
	Action Type: [C-104] Completion Packet (C-104C)

**CONDITIONS**

Created By	Condition	Condition Date
smcgrath	Upload CBLs to OCD Permitting/ Well Logs	7/6/2023