

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 30-045-09435	<sup>5</sup> Pool Name Basin Fruitland Coal		<sup>6</sup> Pool Code 71629
<sup>7</sup> Property Code 318563	<sup>8</sup> Property Name Howell C		<sup>9</sup> Well Number 4

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
N	18	30N	08W		928	South	927	West	San Juan

<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 9/28/1957	<sup>22</sup> Ready Date 10/28/2023	<sup>23</sup> TD 5366'	<sup>24</sup> PBTD 5350'	<sup>25</sup> Perforations 2866' – 3052'	<sup>26</sup> DHC, MC DHC 5323
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
12 1/4"	10 3/4", 32.75#, SW	173'	150 sx		
9 7/8"	7 5/8", 26.4#, J-55	3348'	250 sx		
6 3/4"	5 1/2", 15.5#, J-55	TOL: 3256' BOL: 5360'	300 sx		
	2 3/8", 4.7#, J-55	5300'			

V. Well Test Data

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date 10/28/2023	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure SI 87	<sup>36</sup> Csg. Pressure SI 87
<sup>37</sup> Choke Size 28/64"	<sup>38</sup> Oil 0	<sup>39</sup> Water 0	<sup>40</sup> Gas 131		<sup>41</sup> Test Method

<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: 	OIL CONSERVATION DIVISION Approved by: Sarah McGrath
Printed name: Amanda Walker	Title: Petroleum Specialist - A
Title: Operations Regulatory Tech Sr.	Approval Date: 11/15/2023
E-mail Address: mwalker@hilcorp.com	
Date: 11/15/2023	Phone: 346-237-2177

Well Name: HOWELL C	Well Location: T30N / R8W / SEC 18 / SESW / 36.806364 / -107.71948	County or Parish/State: SAN JUAN / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078596	Unit or CA Name:	Unit or CA Number: NMNM73453
US Well Number: 3004509435	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2760016

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 11/06/2023

Time Sundry Submitted: 01:03

Date Operation Actually Began: 09/24/2023

**Actual Procedure:** The following well has been recompleted into the Fruitland Coal and is now producing as a DHC with the existing Mesaverde. Please see the attached for the recompletion operations.

SR Attachments

Actual Procedure

Howell\_C\_4\_SR\_RC\_Writeup\_20231106130306.pdf

Well Name: HOWELL C	Well Location: T30N / R8W / SEC 18 / SESW / 36.806364 / -107.71948	County or Parish/State: SAN JUAN / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078596	Unit or CA Name:	Unit or CA Number: NMNM73453
US Well Number: 3004509435	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: AMANDA WALKER

Signed on: NOV 06, 2023 01:03 PM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST

City: HOUSTONState: TX

Phone: (346) 237-2177

Email address: MWALKER@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: 11/06/2023

Signature: Matthew Kade

Howell C 4  
30-045-09435  
NMSF078596  
SR Recomplete

9/24/2023: MIRU. RIH

9/27/2023: CK PRESSURES (SITP- 70 PSI. SICP- 70 PSI. SIBHP 0 PSI). ND WH. NU BOP & FT, GOOD TST. PULL HANGER TO SURF. SDFN

9/28/2023: CK PRESSURES (SITP- 50 PSI. SICP- 50 PSI. SIBHP 0 PSI). RU TUBOSCOPE & SCAN TBG OOH. TIH W/SCRAPER. TIH & SET CIBP @ 3770'. ROLL HOLE W/200 BBLs OF FW. SDFN

10/2/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). PT CSG T/560 PSI, GOOD TST. RUN CBL F/3770' T/SURF. ATTEMPT MIT W/THOMAS VERMERSCH/NMOCD, LOST 60 PSI, TST FAILED. ND BOP. ND TBG HEAD. NU NEW TBG HEAD, TST VOID T/2000 PSI. GOOD TST. NU BOP & PT CSG T/560 PSI. RAND 2 TSTS. NO TST. SDFN

10/3/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). PT CSG T/560 PSI, NO TST. TIH W/PKR & HOLE HUNT. LEAK ISOLATED F/3251' – 3266' (LINER TOP @ 3259'). TOO H W/PKR. SDFN APPROVAL GIVEN TO SQUEEZE LEAK @ LINER TOP (SEE ATTACHED).

10/4/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). RU CMT CREW. MIX & PMP 15 SXS, 13.5 PPG, MC500 CMT FROM 3285' TO 3230' TOC, DISP W 12 BBLs OF FW. LD 3 JTS. LOAD HOLE W/5 BBLs OF FW. ATTEMPT TO SZQ, LOCKED UP. SDFN

10/5/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). MU BIT & TAG TOC @ 3234'. RU PWR SWVL & DO CMT F/3234' T/3285'. RD SWVL. RUN MIT T/560 PSI F/30 MINS. TST WITNESSED AND PASSED BY THOMAS VERMERSCH/NMOCD. TOO H W/TBG. SDFN

10/6/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). RIH & SET CBP @ 3130'. PERF FRUITLAND COAL (2989' – 3052') INTERVAL W/72 SHOTS, 0.34" DIA, 3 SPF. RIH & SET FRAC THRU PLUG @ 2977'. SDFN

10/7/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). HYDRO TST FRAC STRING & TIH. EOT @ 2826'. ND BOP. NU FRAC STACK. PT FRAC STACK T/8000 PSI F/30 MINS, GOOD TST. SDFN.

10/18/2023: CK PRESSURES (SITP: VAC SICP: 0 PSI SIBHP: 0 PSI). MIRU FRAC CREWS. FRUITLAND COAL STIMULATION: (2989' TO 3052') STAGE 1 FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 673 BBLs TOTAL ACID: 1000-GAL TOTAL SLICKWATER: 293 BBLs TOTAL L-FRAC: 356 BBLs TOTAL 100 MESH: 5110 BBLs TOTAL 20/40 SAND: 75,608 LBS TOTAL N2: 883,000 SCF. PERF FRUITLAND COAL (2866' – 2968') INTERVAL W/72 SHOTS, 0.34" DIA, 3 SPF. SDFN

10/19/2023: CK PRESSURES (SICP-400 PSI, SITP 1200 PSI, SIBHP – 0 PSI). ND FRAC STACK, NU BOP, & FT, GOOD TST. TOO H W/FRAC STRING. PMP 30 BBL KILL DWN TBG W/10 JTS IN WELL. SDFN

10/20/2023: CK PRESSURES (SITP N/A, SICP 600 PSI, SIBH 0 PSI). RU HYDRO TST, DID NOT FIND ANY BAD TBG. SDFN

10/21/2023: CK PRESSURES (SITP 160 PSI, SICP 600 PSI, SIBH 0 PSI). LAND TBG & PT T/8000 PSI, GOOD TST. ND BOP. NU FRAC STACK & PT, GOOD TST. MIRU FRAC CREW. FRUITLAND COAL STIMULATION: (2866' TO 2968') STAGE 2 FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 912 BBLs TOTAL ACID: 1000-GAL

Howell C 4  
30-045-09435  
NMSF078596  
SR Recomplete

TOTAL SLICKWATER: 807 BBLS TOTAL L-FRAC: 235 BBLS TOTAL 100 MESH: 5041 BBLS TOTAL 20/40 SAND: 91,105 LBS TOTAL N2: 964,000 SCF. SDFN

10/22/2023: CK PRESSURES (SITP 1200PSI, SICP 135 PSI, SIBH 0 PSI). ND FRAC STACK. NU BOP, FT, GOOD TST. LD 15 JTS. SDFN

10/23/2023: CK PRESSURES (SITP- 900 PSI. SICP- 900 PSI. SIBHP 0 PSI). LD FRAC STRING. MU TRI CONE BIT & TIH. TAG FILL @ 2967' (10' OF FILL). EST CIRC & CO FILL. DO FRAC THRU PLUG @ 2977'. CONT TIH, & START DO CBP @ 3130'. SDFN

10/24/2023: CK PRESSURES (SICP- 740 PSI. SIBHP 0 PSI). CONT DO PLUG @ 3130'. CIRC CLEAN. CONT TIH. CIRC CLEAN. SDFN

10/25/2023: CK PRESSURES (SICP- 500 PSI. SIBHP 0 PSI). TIH & TAG & DO CIBP @ 3770'. CONT TIH HARD FILL F/5325' T/5334'. TOOH. SDFN

10/26/2023: CK PRESSURES (SITP- 0 PSI . SICP- 250 PSI. SIBHP 0 PSI). TIH & TAG @ 5334'. EST CIRC, UNABLE TO GET PAST 5334'. RD SWVL. TIH W/163 JTS 2 3/8" 4.7# J-55. EOT @ 5300'. SN @ 5299'. ND BOP. ND WH. PMP 5 BBLS AHEAD W/5-GAL CORROSION INHIBITOR, DROPPED BALL, PT TBG STRING T/500 PSI, GOOD TST. POPPED OFF CK @ 800 PSI. UNLOAD FLUID. RDRR. HAND OVER TO OPERATIONS.

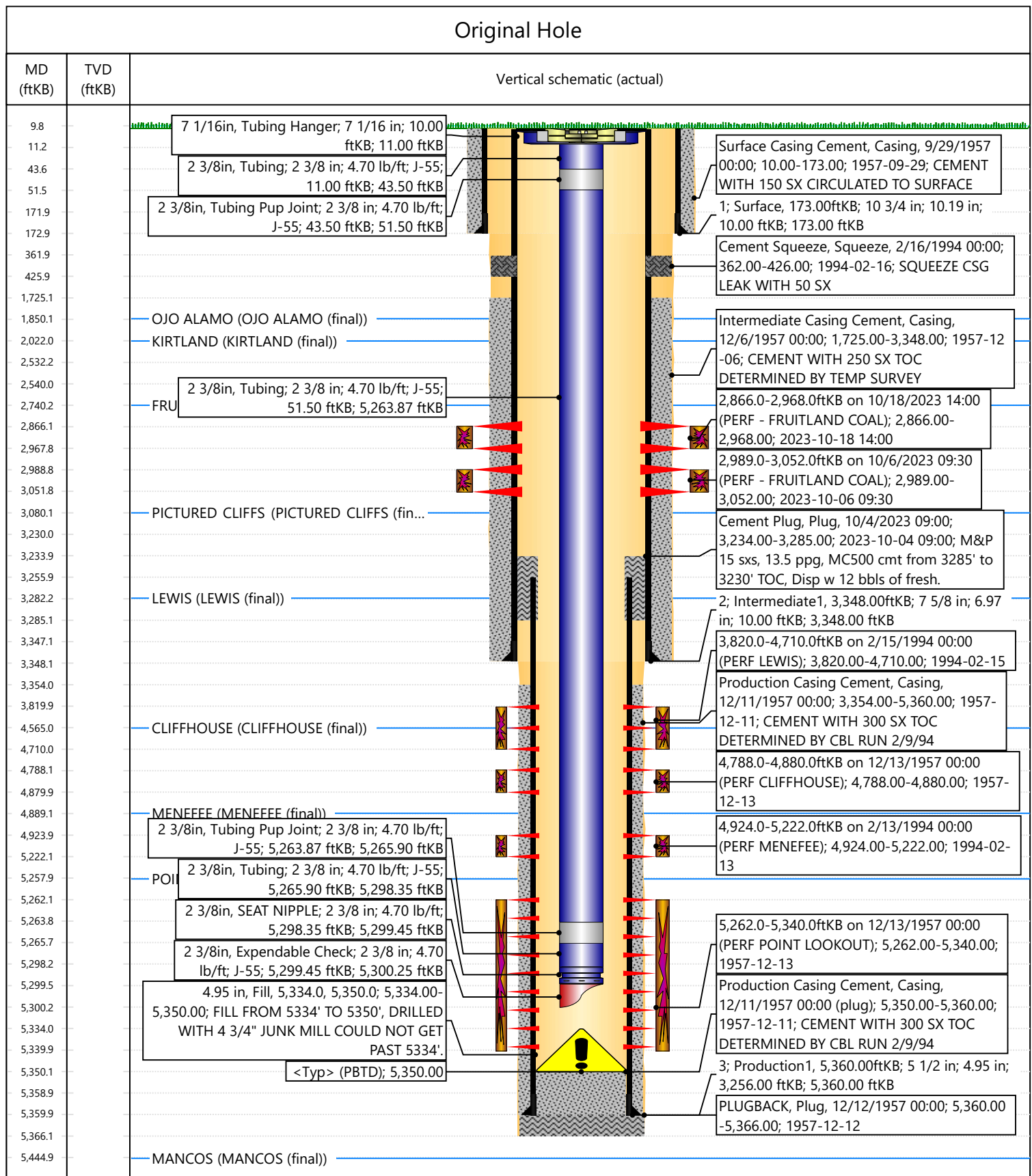
\*WELL NOW PRODUCING AS A FC/MV COMMINGLE\*



## Current Schematic - Version 3

Well Name: HOWELL C #4

API / UWI 3004509435	Surface Legal Location 018-030N-008W-M	Field Name BLANCO MV (PRO #0078	Route 0407	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,322.00	Original KB/RT Elevation (ft) 6,332.00	RKB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	



Hi/Corp  
GC 18-30W-08W  
API 30-045-09435

3770' - surface



Graphic Controls

10-05-2023

CHART NO. MC MP-1000-IHR

Wellington

H. J. Hall

CHART PUT ON

TAKEN OFF

LOCATION Howell C 4

REMARKS line 1 min. line = 20 p 52

10-5-23  
Thomas Demaree  
NINCO

PRINTED IN U.S.A.

Mandi Walker

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From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
Sent: Wednesday, October 4, 2023 10:17 AM  
To: Rennick, Kenneth G; Scott Anderson  
Cc: Hayden Moser; Clay Padgett; Mandi Walker; JP Knox; Amanda Atencio; Russell Crouch; Shane Smith; Michael Mayfield  
Subject: RE: [EXTERNAL] Hilcorp - Howell C 4: FRC recomplete  
  
Categories: NMOCD

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

NMOCD approves the squeeze at liner top – an mit is required after drill out – please notify 24 hours prior to testing.

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: Rennick, Kenneth G <krennick@blm.gov>  
Sent: Wednesday, October 4, 2023 8:24 AM  
To: Scott Anderson <sanderson@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
Cc: Hayden Moser <Hayden.Moser@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Russell Crouch <rcrouch@hilcorp.com>; Shane Smith <Shane.Smith@hilcorp.com>; Michael Mayfield <mmayfield@hilcorp.com>  
Subject: Re: [EXTERNAL] Hilcorp - Howell C 4: FRC recomplete

Thank you Scott for the information. The procedure is 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: Scott Anderson <[sanderson@hilcorp.com](mailto:sanderson@hilcorp.com)>  
Sent: Wednesday, October 4, 2023 8:16 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: Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Clay Padgett <[cpadgett@hilcorp.com](mailto:cpadgett@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>; JP Knox <[jknox@hilcorp.com](mailto:jknox@hilcorp.com)>; Amanda Atencio <[Amanda.Atencio@hilcorp.com](mailto:Amanda.Atencio@hilcorp.com)>; Russell Crouch <[rcrouch@hilcorp.com](mailto:rcrouch@hilcorp.com)>; Shane Smith <[Shane.Smith@hilcorp.com](mailto:Shane.Smith@hilcorp.com)>; Michael Mayfield <[mmayfield@hilcorp.com](mailto:mmayfield@hilcorp.com)>  
Subject: RE: [EXTERNAL] Hilcorp - Howell C 4: FRC recomplete

Monica and Kenny – As you are aware, we did not pass the MIT on the Howell C 4, but we were able to isolate the hole in casing to the liner top ( between 3251-3266'). The CBL across this section shows good coverage, so the leak we are going after is pretty small. The plan for the day is to lay a balanced plug across the hole/liner top, apply pressure to squeeze the hole with cement and let it set. We will then drill out and re-pressure test. Please let me know if you have any questions. Thank you!

Scott Anderson  
San Juan North – Operations Engineer  
Hilcorp Energy Company  
W: 713-289-2772  
C: 248-761-3965

---

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Sent: Monday, October 2, 2023 3:28 PM  
To: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Scott Anderson <[sanderson@hilcorp.com](mailto:sanderson@hilcorp.com)>  
Cc: Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Clay Padgett <[cpadgett@hilcorp.com](mailto:cpadgett@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>; JP Knox <[jknox@hilcorp.com](mailto:jknox@hilcorp.com)>; Amanda Atencio <[Amanda.Atencio@hilcorp.com](mailto:Amanda.Atencio@hilcorp.com)>; Russell Crouch <[rcrouch@hilcorp.com](mailto:rcrouch@hilcorp.com)>; Shane Smith <[Shane.Smith@hilcorp.com](mailto:Shane.Smith@hilcorp.com)>; Michael Mayfield <[mmayfield@hilcorp.com](mailto:mmayfield@hilcorp.com)>  
Subject: RE: [EXTERNAL] Hilcorp - Howell C 4: FRC recomplete

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NMOCD approves continuing with recomplete into the Fruitland Coal formation through perforations from 2867 to 3051

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)

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From: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Sent: Monday, October 2, 2023 12:54 PM  
To: Scott Anderson <[sanderson@hilcorp.com](mailto:sanderson@hilcorp.com)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Cc: Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Clay Padgett <[cpadgett@hilcorp.com](mailto:cpadgett@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>; JP Knox <[jknox@hilcorp.com](mailto:jknox@hilcorp.com)>; Amanda Atencio <[Amanda.Atencio@hilcorp.com](mailto:Amanda.Atencio@hilcorp.com)>; Russell Crouch <[rcrouch@hilcorp.com](mailto:rcrouch@hilcorp.com)>; Shane Smith <[Shane.Smith@hilcorp.com](mailto:Shane.Smith@hilcorp.com)>; Michael Mayfield <[mmayfield@hilcorp.com](mailto:mmayfield@hilcorp.com)>  
Subject: Re: [EXTERNAL] Hilcorp - Howell C 4: FRC recomplete

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

---

From: Scott Anderson <[sanderson@hilcorp.com](mailto:sanderson@hilcorp.com)>  
Sent: Monday, October 2, 2023 12:26 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@state.nm.us](mailto:monica.kuehling@state.nm.us)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Cc: Hayden Moser <[Hayden.Moser@hilcorp.com](mailto:Hayden.Moser@hilcorp.com)>; Clay Padgett <[cpadgett@hilcorp.com](mailto:cpadgett@hilcorp.com)>; Mandi Walker <[mwalker@hilcorp.com](mailto:mwalker@hilcorp.com)>; JP Knox <[jknox@hilcorp.com](mailto:jknox@hilcorp.com)>; Amanda Atencio <[Amanda.Atencio@hilcorp.com](mailto:Amanda.Atencio@hilcorp.com)>; Russell Crouch <[rcrouch@hilcorp.com](mailto:rcrouch@hilcorp.com)>; Shane Smith <[Shane.Smith@hilcorp.com](mailto:Shane.Smith@hilcorp.com)>; Michael Mayfield <[mmayfield@hilcorp.com](mailto:mmayfield@hilcorp.com)>  
Subject: [EXTERNAL] Hilcorp - Howell C 4: FRC recomplete

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

Monica, Kenny – Attached is the new CBL on the Howell C 4 (API: 3004509435). The cement quality on the Howell C 4 is excellent and isolates the coal interval both above and below. Based on the log we have narrowed our perf scheme and would now like to perforate 2867-3051' (vs. the NOI'd depth of 2740-3080'). The MIT was not successful this morning,

however we need to change the wellhead out on this well and if that proves to be the reason for the leak, I will let you know and schedule the retest. Once we have a passing MIT we would like to proceed with perforating and fracing the well. Thank you!

Scott Anderson  
San Juan North – Operations Engineer  
Hilcorp Energy Company  
W: 713-289-2772  
C: 248-761-3965

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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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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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										5. Lease Serial No. <b>NMSF078596</b>	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr.,										6. If Indian, Allottee or Tribe Name	
Other: <b>Recomplete</b>										7. Unit or CA Agreement Name and No. NM 87149	
2. Name of Operator <b>Hilcorp Energy Company</b>										8. Lease Name and Well No. <b>Howell C 4</b>	
3. Address <b>382 Road 3100, Aztec, NM 87410</b>					3a. Phone No. (include area code) <b>(505) 599-3400</b>					9. API Well No. <b>30-045-09435</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>N (SESW) 928' FSL &amp; 927' FWL</b>  At top prod. Interval reported below  At total depth										10. Field and Pool or Exploratory <b>Fruitland Coal</b>	
14. Date Spudded <b>9/28/1957</b>										15. Date T.D. Reached <b>12/10/1957</b>	
16. Date Completed <b>10/28/2023</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										17. Elevations (DF, RKB, RT, GL)* <b>6309'</b>	
18. Total Depth: <b>5366'</b>					19. Plug Back T.D.: <b>5350'</b>					20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CBL</b>										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled		
12.25"	10.75" SW	32.75		173'		150					
9.875"	7.625" J55	26.4		3348'		250					
6.75"	5.5" J55	15.5	3256'	5360'		300					
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2.375"	5300'										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Csg Leak		3251'	3266'					Squeezed			
B) Fruitland Coal		2866'	3052'	3 SPF		0.34"	144	Open			
C)											
D)											
26. Perforation Record											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
Csg Leak			MIX & PMP 15 SXS, 13.5 PPG, MC500 CMT								
Upper Fruitland (2866' - 2968')			FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 912 BBLS TOTAL ACID: 1000-GAL TOTAL SLICKWATER: 807 BBLS TOTAL L-FRAC: 235 BBLS TOTAL 100 MESH: 5041 BBLS TOTAL 20/40 SAND: 91,105 LBS TOTAL N2: 964,000 SCF.								
Lower Fruitland (2989' - 3052')			FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 673 BBLS TOTAL ACID: 1000-GAL TOTAL SLICKWATER: 293 BBLS TOTAL L-FRAC: 356 BBLS TOTAL 100 MESH: 5110 BBLS TOTAL 20/40 SAND: 75,608 LBS TOTAL N2: 883,000 SCF.								
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		
10/28/2023			➡	0	131	0			Flowing		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
28/64"	SI 87	SI 87	➡	0	131	0		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 (Sold, 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	1850'	2022'	White, cr-gr ss	Ojo Alamo	1850'
Kirtland	2022'	2740'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2022'
Fruitland	2740'	3080'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2740'
Pictured Cliffs	3080'	3282'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3080'
Lewis	3282'	'	Shale w/ siltstone stingers	Lewis	3282'
Chacra	'	4565'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	'
Cliffhouse	4565'	4889'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4565'
Menefee	4889'	5258'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4889'
Point Lookout	5258'	5445'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5258'
Mancos	5445'	'	Dark gry carb sh.	Mancos	5445'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	'

## 32. Additional remarks (include plugging procedure):


**This well is now producing as a FC/Mvcommingle under DHC 5323**  
**FC# NM 87149**

## 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) Amanda Walker Title Operations/Regulatory Technician - Sr.

Signature  Date 11/6/2023

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.

Mandi Walker

---

From: blm-afmss-notifications@blm.gov  
Sent: Monday, November 6, 2023 4:27 PM  
To: Mandi Walker  
Subject: [EXTERNAL] Well Name: HOWELL C, Well Number: 4, 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: **HOWELL C**
- Well Number: **4**
- US Well Number: **3004509435**
- Well Completion Report Id: **WCR2023110690001**

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 285794

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 285794
	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**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 285794

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 285794
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	11/15/2023