

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 30-045-24386	<sup>5</sup> Pool Name Blanco Mesaverde		<sup>6</sup> Pool Code 72319
<sup>7</sup> Property Code 318801	<sup>8</sup> Property Name Jackson		<sup>9</sup> Well Number 2E

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

UI or lot no. O	Section 18	Township 31N	Range 12W	Lot Idn	Feet from the 815	North/South Line South	Feet from the 1550	East/West Line East	County San Juan
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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
373888	Harvest Four Corners, LLC	G

IV. Well Completion Data

<sup>21</sup> Spud Date 8/4/1980	<sup>22</sup> Ready Date 8/19/2023	<sup>23</sup> TD 7085'	<sup>24</sup> PBTD 7036'	<sup>25</sup> Perforations 4291' – 4822'	<sup>26</sup> DHC, MC DHC 5047
<sup>27</sup> Hole Size		<sup>28</sup> Casing & Tubing Size		<sup>29</sup> Depth Set	
12 1/4"		8 5/8", 24#, J-55		260'	
7 7/8"		4 1/2", 10.5/11.6#, K-55		7085'	
		2 3/8", 4.7#, J-55		6800'	

V. Well Test Data

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date 8/19/2023	<sup>33</sup> Test Date	<sup>34</sup> Test Length 4 hrs	<sup>35</sup> Tbg. Pressure SI 100	<sup>36</sup> Csg. Pressure SI 240
<sup>37</sup> Choke Size 21/64"	<sup>38</sup> Oil 0	<sup>39</sup> Water 0	<sup>40</sup> Gas 91		<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		
Printed name: Amanda Walker			Approved by: Sarah McGrath		
Title: Operations Regulatory Tech Sr.			Title: Petroleum Specialist - A		
E-mail Address: mwalker@hilcorp.com			Approval Date: 09/06/2023		
Date: 8/30/2023		Phone: 346.237.2177			

Well Name: JACKSON	Well Location: T31N / R12W / SEC 18 / SWSE / 36.89444 / -108.133148	County or Parish/State: SAN JUAN / NM
Well Number: 2E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM021125	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004524386	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2748674

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 08/30/2023

Time Sundry Submitted: 11:40

Date Operation Actually Began: 07/10/2023

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

SR Attachments

Actual Procedure

Jackson\_2E\_RC\_SR\_Writeup\_20230830114030.pdf

Well Name: JACKSON	Well Location: T31N / R12W / SEC 18 / SWSE / 36.89444 / -108.133148	County or Parish/State: SAN JUAN / NM
Well Number: 2E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM021125	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004524386	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: AUG 30, 2023 11:40 AM  
Name: HILCORP ENERGY COMPANY  
Title: Operations/Regulatory Technician  
Street Address: 1111 TRAVIS ST  
City: HOUSTON State: 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: 08/31/2023  
Signature: Matthew Kade

Jackson 2E  
30-045-24386  
NMNM021125  
SR Recomplete

7/10/2023: MIRU. CK PRESSURES (SITP: 175 PSI SICP: 200 PSI SIBH: 0 PSI). ND WH. NU BOP. LD TBG HANGER. SCAN TBG OOH. RIH W/CSG SCRAPER T/6011'. SDFN

7/11/2023: CK PRESSURES (SITP: 70 PSI SICP: 70 PSI SIBH: 20 PSI). CONT SCRAPER T/6775'. TOO H. TIH W/**CIBP & SET 6725'**. PMP 92 BBLS OF BIOCID E H<sub>2</sub>O LOAD CSG. CIRC CLEAN. PT TST CSG T/700 PSI F/30 MINS. GOOD TST. TOO H. RUN CBL. SDFN

7/12/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBH: 10 PS). PERFORM MIT T/560 PSI F/30 MINS TST WITNESSED AND PASSED BY CLARENCE SMITH W/NMOCD. TIH W/**SCBP & SET @ 4872'**. ND BOP. CHANGE OUT WH. SDFN

7/13/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBH: 10 PSI). ND WH. INSTALL & PACK H PLATE. NU WH. PT, GOOD TST. SDFN. WAIT ON FRAC

8/15/2023: CK PRESSURES (SITP: N/A SICP: 0 PSI SIBHP: 0 PSI). MIRU FRAC CREW. **PERF POINT LOOKOUT (4616' – 4822') W/31 SHOTS, 0.32" DIA, 1 SPF** AS FOLLOWS: 4820- 4822- 3 SHOTS, 4769-4771- 3 SHOTS, 4719-4722- 4 SHOTS, 4703-4705- 3 SHOTS, 4670- 4672- 3 SHOTS, 4663- 4666- 4 SHOTS, 4639- 4641- 3 SHOTS, 4630-4633- 4 SHOTS, 4616- 4619- 4 SHOTS. POINT LOOKOUT STIMULATION: (4616' TO 4822') STAGE 1 FRAC @ 60 BPM W/ 70 Q N<sub>2</sub> FOAM. TOTAL LOAD: 922 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 910 BBLS TOTAL 20/40 SAND: 150,818 LBS TOTAL N<sub>2</sub>: 1,136,000 SCF. RIH W/PLUG & GUN. **SET ISO PLUG @ 4575'. PERF MENE FEE (4291' – 4420') W/25 SHOTS, 0.32" DIA, 1 SPF** AS FOLLOWS: 4460-4462- 3 SHOTS, 4416-4420- 5 SHOTS, 4390-4394- 5 SHOTS, 4344-4345- 2 SHOTS, 4308- 4312- 5 SHOTS, 4291- 4295- 5 SHOTS. MENE FEE STIMULATION: (4291' TO 4420') STAGE 2 FRAC @ 60 BPM W/ 70 Q N<sub>2</sub> FOAM. TOTAL LOAD: 660 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 648 BBLS TOTAL 20/40 SAND: 100,326 LBS TOTAL N<sub>2</sub>: 867,000 SCF. RIH & **SET KILL PLUG @ 4254'**. CONDUCT NEG PT, GOOD TST. RD FRAC CREWS.

8/16/2023: CK PRESSURES (SITP: 0 PSI SICP: 400 PSI SIBH: 10 PSI). ND FRAC STACK. INSTALL TBG HANGER. NU BOP & FT, GOOD TST. TIH & TAG KILL PLUG @ 4254'. EST CIRC & **DO PLUG @ 4254'**. TOO H T/3660'. SDFN

8/17/2023: CK PRESSURES (SITP: 0 PSI SICP: 640 PSI SIBH: 0 PSI). TIH & TAG PLUG @ 4575'. EST CIRC & **DO PLUG @ 4575'**. CONT TIH & TAG 52' OF FILL @ 4820'. EST CIRC & CO SAND F/4820' T/4872'. TAG & **DO PLUG @ 4872'**. CONT TIH T/6715'. EST CIRC & CO PLUG PARTS. TAG & **DO PLUG @ 6725'**. CONT TIH & TAG JUNK @ 6798'. DRILL PLUG PARTS F/6798' T/6842'. TOO H T/4163'. SDFN.

8/18/2023: CK PRESSURES (SITP: 0 PSI SICP: 540 PSI SIBH: 0 PSI). TIH & TAG PLUG PARTS @ 6842'. EST CIRC & CO F/6842' T/6947'. CHANGE MILL. TIH & EST CIRC. CO F/6947' T/7036'. SDFN.

8/19/2023: CK PRESSURES (SITP: 0 PSI SICP: 440 PSI SIBH: 0 PSI). TOO H W/MILL. TIH W/BHA & TAG 30' FILL @ 7006'. TIH W/214 JTS 2 3/8" 4.7# J-55 PROD TBG. EOT @ 6800'. SN @ 6798'. PBD @ 7036'. ND BOP. NU WH. PMP 7 GAL CORROSION INHIBITOR SWEEP, PT TBG T/500 PSI FOR 10 MINS, GOOD TST. PMP OFF EXP CK @ 1050 PSI. RDRR. HAND OVER TO OPERATIONS.

\*THIS WELL IS NOW PRODUCING AS A MV/DK COMMINGLE UNDER DHC 5047\*

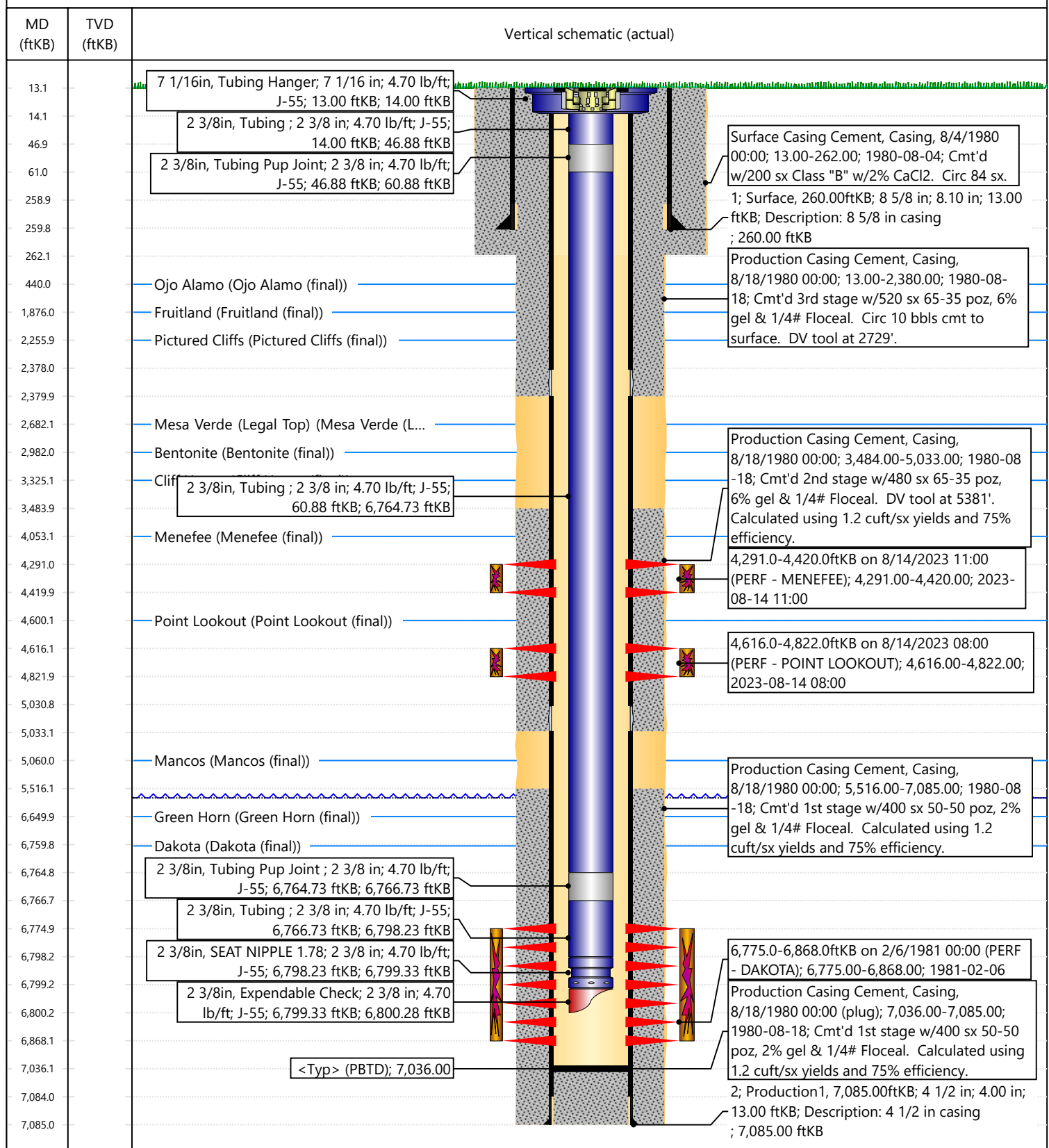


## Current Schematic - Version 3

Well Name: JACKSON #2E

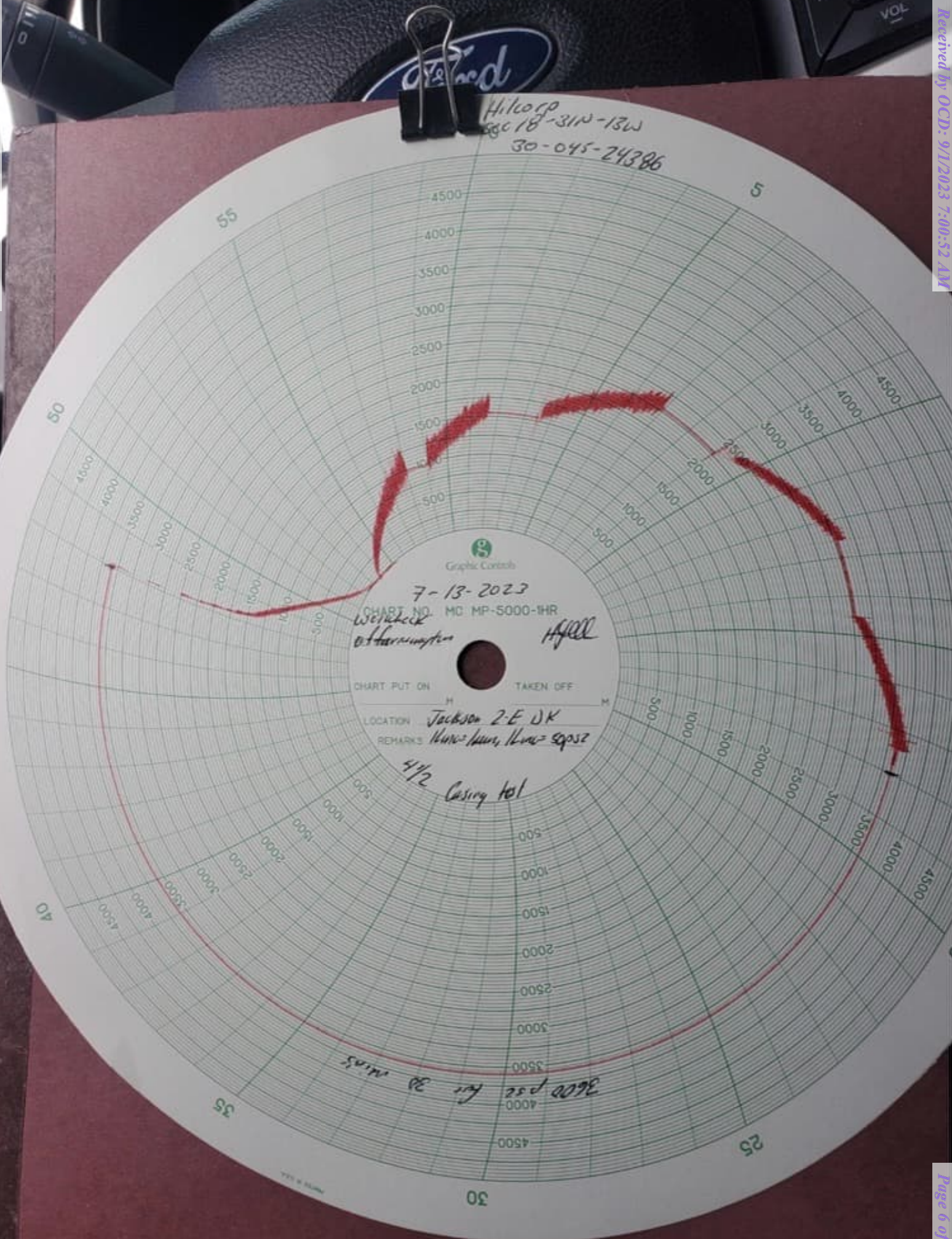
API / UWI 3004524386	Surface Legal Location O-18-31N-12W	Field Name BASIN	Route 0203	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,890.00	Original KB/RT Elevation (ft) 5,903.00	RKB to GL (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

## Original Hole [Vertical]





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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>NMNM021125</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.	
2. Name of Operator <b>Hilcorp Energy Company</b>										8. Lease Name and Well No. <b>Jackson 2E</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>30-045-24386</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>O (SWSE) 815' FSL &amp; 1550' FEL</b>  At top prod. Interval reported below  At total depth										10. Field and Pool or Exploratory <b>Blanco Mesaverde</b>	
14. Date Spudded <b>8/4/1980</b>										11. Sec., T., R., M., on Block and Survey or Area <b>Sec. 18, T31N, R12W</b>	
15. Date T.D. Reached <b>8/17/1980</b>					16. Date Completed <b>8/19/2023</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.					12. County or Parish <b>San Juan</b>	
17. Elevations (DF, RKB, RT, GL)* <b>5890' GL</b>					13. State <b>New Mexico</b>						
18. Total Depth: <b>7085'</b>					19. Plug Back T.D.: <b>7036'</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		
<b>12 1/4"</b>	<b>8 5/8", J-55</b>	<b>24</b>		<b>260'</b>		<b>200 sx</b>					
<b>7 7/8"</b>	<b>4 1/2", K55/N80</b>	<b>10.5/11.6</b>		<b>7085'</b>		<b>1410 sx</b>					
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
<b>2 3/8"</b>	<b>6800'</b>										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) <b>Menefee</b>		<b>4291'</b>	<b>4420'</b>	<b>1 SPF</b>		<b>0.32"</b>	<b>25</b>				
B) <b>Point Lookout</b>		<b>4616'</b>	<b>4822'</b>	<b>1 SPF</b>		<b>0.32"</b>	<b>31</b>				
C)											
D)											
26. Perforation Record											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
<b>MENEFEE (4291' TO 4420')</b>			FRAC @ 60 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 660 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 648 BBLS TOTAL 20/40 SAND: 100,326 LBS TOTAL N2: 867,000 SCF								
<b>POINT LOOKOUT (4616' TO 4822')</b>			FRAC @ 60 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 922 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 910 BBLS TOTAL 20/40 SAND: 150,818 LBS TOTAL N2: 1,136,000 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		
<b>8/19/2023</b>		<b>4 hrs</b>	<b>→</b>	<b>0</b>	<b>91</b>	<b>0</b>			<b>Flowing</b>		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
<b>21/64"</b>	<b>SI 100</b>	<b>SI 240</b>	<b>→</b>	<b>0</b>	<b>552</b>	<b>0</b>		<b>Producing</b>			
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			<b>→</b>								
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
	<b>SI</b>		<b>→</b>								

\*(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	440'	1876'	White, cr-gr ss	Ojo Alamo	440'
Fruitland	1876'	2256'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1876'
Pictured Cliffs	2256'	3325'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2256'
Cliffhouse	3325'	4600'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	3325'
Point Lookout	4600'	5060'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4600'
Mancos	5060'	6650'	Dark gry carb sh.	Mancos	5060'
Greenhorn	6650'	6760'	Highly calc gry sh w/ thin lmst.	Greenhorn	6650'
Dakota	6760'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	6760'
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 MV/DK commingle under DHC 5047****MV: NM-021125**

## 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 8/30/2023

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

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From: blm-afmss-notifications@blm.gov  
Sent: Friday, September 1, 2023 7:43 AM  
To: Mandi Walker  
Subject: [EXTERNAL] Well Name: JACKSON, Well Number: 2E, 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: **JACKSON**
- Well Number: **2E**
- US Well Number: **3004524386**
- Well Completion Report Id: **WCR2023083189174**

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 261124

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 261124
	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.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 261124

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 261124
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	9/6/2023