

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

¹ Operator name and Address Hilcorp Energy Company 382 Road 3100 Aztec, NM 87410		² OGRID Number 372171	
		³ Reason for Filing Code/ Effective Date RC	
⁴ API Number 30-045-26831	⁵ Pool Name Basin Fruitland Coal		⁶ Pool Code 71629
⁷ Property Code 318634	⁸ Property Name Murphy C		⁹ Well Number 2

II. ¹⁰ Surface Location

UI or lot no. A	Section 27	Township 30N	Range 11W	Lot Idn 1	Feet from the 1190	North/South Line North	Feet from the 790	East/West Line East	County San Juan
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¹¹ 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.
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

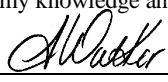
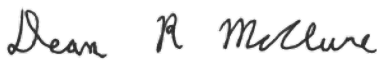
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refinery	O
151618	Enterprise	G

IV. Well Completion Data

²¹ Spud Date 10/22/1987	²² Ready Date 7/20/2023	²³ TD 5055'	²⁴ PBTD 5037'	²⁵ Perforations 2021' – 2284'	²⁶ DHC, MC DHC - 5300
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12 1/4"		9 5/8", 32.3, H-40		239'	
8 3/4"		7", 20#, J-55		2604'	
6 1/4"		4 1/2", 10.5#, K-55		TOL: 2450' BOL: 5055'	
		2 3/8", 4.7, J-55		4826'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date 7/20/2023	³³ Test Date	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure SI 95	³⁶ Csg. Pressure SI 75
³⁷ Choke Size 32/64"	³⁸ Oil 0	³⁹ Water 0	⁴⁰ Gas 67		⁴¹ Test Method Sold

⁴² 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: 
Printed name: Amanda Walker	Title: Petroleum Engineer
Title: Operations Regulatory Tech Sr.	Approval Date: 08/11/2023
E-mail Address: @hilcorp.com	Re-upload the CBL
Date: 7/24/2023 Phone: 346-237-2177	

Well Name: MURPHY C	Well Location: T30N / R11W / SEC 27 / NENE / 36.78729 / -107.97153	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM02491	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004526831	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2742417

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 07/24/2023

Time Sundry Submitted: 11:33

Date Operation Actually Began: 06/16/2023

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

Murphy_C_2_SR_RC_Writeup_20230724113352.pdf

Received by OCD: 7/25/2023 6:44:07 AM

Page 3 of 11

Well Name: MURPHY C	Well Location: T30N / R11W / SEC 27 / NENE / 36.78729 / -107.97153	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM02491	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004526831	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: JUL 24, 2023 11:33 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: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 07/24/2023
Signature: Kenneth Rennick	

Murphy C 2
30-045-26831
NMNM02491
SR Recomplete

6/16/2023: MIRU. CK PRESSURES (SITP: 81 PSI SICP: 91 PSI SIBHP: 0 PSI). SDFN.

6/19/2023: CK PRESSURES (SITP: 125 PSI SICP: 125 PSI SIBHP: 0 PSI). ND WH. NU BOP & FT, GOOD. TAG FILL @ 4930' (107' FILL). LD TAG JTS. SCAN TBG OOH. TIH W/SCRAPER T/2449'. LD SCRAPER. SDFN

6/20/2023: CK PRESSURES (SITP 105 PSI SICP 105 PSI BH 0 PSI). TIH & **SET CIBP @ 4160'**. LOAD HOLE & CIRC CLEAN. PERFORM CSG PRE-TEST, GOOD. LD TBG T/2467'. DISPLACE H2O IN 7" CSG W/2% KCL. ND BOP. ND WH. NU 3K TBG HEAD. NU BOP. SDFN

6/21/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBHP: 0 PSI). MIRU WELLCHECK. CONDUCT BH TST AND MIT T/540 PSI F/30 MINS. TST WITNESSED AND PASSED BY JOHN DURHAM/NMOCD. RUN CBL F/4160' T/SURF. RIH & **SET CBP @ 2350'**. RIH & **PERF STAGE #1 (FRUITLAND COAL) INTERVAL W/27 SHOTS, 0.35" DIA, 3-1/8" HSC GUN, SELECT FIRE 3 SPF** 120 DEGREE PHASING @ 2165', 2188', 2192', 2260', 2263', 2266', 2273', 2284'. ALL SHOTS FIRED. RIH W/7" **FLOW THRU PLUG & SET @ 2154'**. P/U 7"X3-1/2" FRAC PACKER. P/U 3-1/2" FRAC STRING HYDROTESTING (RABBIT TO 2.882"). SDFN.

6/22/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBHP: 0 PSI). SET 7" X 3 1/2" PKR IN 15 COMPRESSIONS. LAND FRAC STRING, PT CSG T/500 PSI, GOOD. ND BOP. NU FRAC STACK & PT, GOOD TST. RD WAIT ON FRAC.

7/14/2023: MIRU FRAC CREW. CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBHP: 0 PSI). PRIME EQUIPMENT & PT, GOOD TST. FRUITLAND STAGE #1 STIMULATION: (2165' TO 2284') FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 946 BBLS TOTAL ACID: 12 BBLS TOTAL SLICKWATER: 934 BBLS TOTAL LINEAR GEL: 158 BBLS TOTAL 20/40 SAND: 45,201 LBS TOTAL N2: 761,000 SCF. DROP BALL, SEAT BALL IN PLUG, GOOD. **PERF FRUITLAND STAGE #2 INTERVAL W/24 SHOTS, 0.35" DIA, 2-1/2" ADDRESSABLE GUNS, SELECT FIRE 3 SPF** 120 DEGREE PHASING @ 2021', 2026', 2077', 2086', 2088', 2132', 2138', 2144', ALL SHOTS FIRED. FRUITLAND STAGE #2 STIMULATION: (2021' TO 2144') FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 1233 BBLS TOTAL ACID: 12 BBLS TOTAL SLICKWATER: 1221 BBLS TOTAL 20/40 SAND: 67,957 LBS TOTAL N2: 970,000 SCF. SDFN.

7/15/2023: CK PRESSURES (SITP 500 SICP 550 SIBH 0). ND FRAC STACK, NU BOP TST BOP, GOOD. RELEASE PKR, TOOH W/FRAC STRING. SDFN.

7/16/2023: CK PRESSURES (SITP 0 SICP 250 SIBH 0). TIH & TAG FILL @ 2146'. RU PWR SWVL CO & **DO PLUG @ 2154'**. CHASED PLUG DWN TO PLUG 2 @ 2350'. **DO PLUG @ 2350'**. CO HOLE. HANG BACK SWVL. SDFN

7/17/2023: CK PRESSURES (SITP 0 SICP 300 SIBH 0). TIH & TAG LINER TOP. CO REMAINING PLUG PIECES. CONT TIH. **DO CIBP @ 4160'**. CONT TIH & TAG FILL @ 4940'. CO T/5028'. SDFN

7/18/2023: CK PRESSURES (SITP 0 SICP 125 SIBH 0). TIH W/147 JTS 2 3/8" 4.7# J-55 PROD TBG. EOT @ 4826', SN @ 4825'. PBSD @ 5037'. ND BOP. NU WH. PMP 3 BBL PAD, DROP BALL & PT TBG T/550 PSI, GOOD TST. PMP OFF CK @ 750 PSI. UNLOAD HOLE. RDRR. HAND OVER TO OPERATIONS.

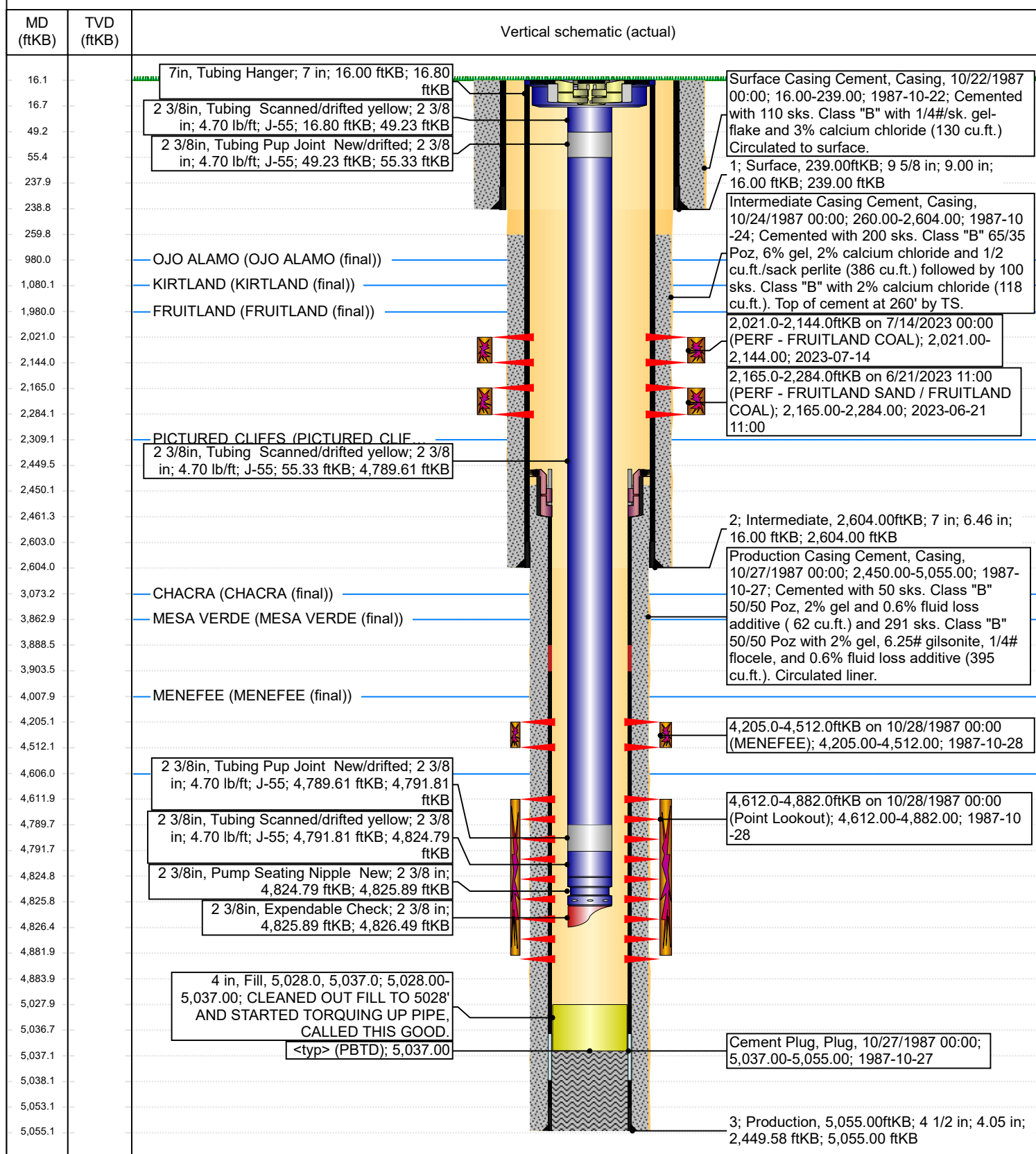


Current Schematic - Version 3

Well Name: MURPHY C #2

API / UWI 3004526831	Surface Legal Location 027-030N-011W-A	Field Name BLANCO MESAVERDE (PRORATED GAS)	Route 0701	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,904.00	Original KB/RT Elevation (ft) 5,920.00	KB-Ground Distance (ft) 16.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole [Vertical]



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. NMNM02491	
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: Recomplete										7. Unit or CA Agreement Name and No. NMNM0002491	
2. Name of Operator Hilcorp Energy Company										8. Lease Name and Well No. Murphy C 2	
3. Address 382 Road 3100, Aztec, NM 87410					3a. Phone No. (include area code) (505) 599-3400					9. API Well No. 30-045-26831	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface A (NENE) 1190' FNL & 790' FEL At top prod. Interval reported below At total depth										10. Field and Pool or Exploratory Basin Fruitland Coal	
										11. Sec., T., R., M., on Block and Survey or Area Sec. 27, T30N, R11W LOT 1	
										12. County or Parish San Juan	13. State New Mexico
14. Date Spudded 10/22/1987			15. Date T.D. Reached 10/27/1987			16. Date Completed 7/20/2023 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* 5904' GL		
18. Total Depth: 5055'				19. Plug Back T.D.: 5037'				20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL								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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled		
12 1/4"	9 5/8", H-40	32.3		239'		110					
8 3/4"	7", J-55	20		2604'		300					
6 1/4"	4 1/2", K-55	10.5	2450'	5055'		341					
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"	4826'										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Fruitland Coal		2021'	2144'	3 SPF		0.35"	24	Open			
B) Fruitland Coal		2165'	2284'	3 SPF		0.35"	27	Open			
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
Fruitland Coal (2021' - 2144')			FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 1233 BBLS TOTAL ACID: 12 BBLS TOTAL SLICKWATER: 1221 BBLS TOTAL 20/40 SAND: 67,957 LBS TOTAL N2: 970,000 SCF								
Fruitland Coal (2165' - 2284')			FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 946 BBLS TOTAL ACID: 12 BBLS TOTAL SLICKWATER: 934 BBLS TOTAL LINEAR GEL: 158 BBLS TOTAL 20/40 SAND: 45,201 LBS TOTAL N2: 761,000 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		
7/20/2023		24	➡	0	67	0			Flowing		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
32/64"	SI 95	SI 75	➡	0	67	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	980	1080	White, cr-gr ss	Ojo Alamo	980
Kirtland	1080	1980	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1080
Fruitland	1980	2309	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Fruitland	1980
Pictured Cliffs	2309	3073	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	2309
Chacra	3073	0	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	3073
Cliff House		4008	Light gry, med-fine gr ss, carb sh & coal	Cliff House	0
Menefee	4008	4606	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4008
Point Lookout	4606	0	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4606
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss	Morrison	0

32. Additional remarks (include plugging procedure):

This well is now producing as a FC/MV commingle under DHC 5300**FC: NMNM 0002491**


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 7/24/2023

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, July 24, 2023 6:24 PM
To: Mandi Walker
Subject: [EXTERNAL] Well Name: MURPHY C, Well Number: 2, 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: **MURPHY C**
§ Well Number: **2**
§ US Well Number: **3004526831**
§ Well Completion Report Id: **WCR2023072488780**

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 243908

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 243908
	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
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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 243908

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 243908
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	The uploaded CBL is extremely low resolution; please re-upload it.	8/11/2023