

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

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
A	27	30N	11W	1	1190	North	790	East	San Juan

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 PBSD 5037'	²⁵ Perforations 2021' – 2284'	²⁶ DHC, MC DHC - 5300
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8", 32.3, H-40	239'	110 sx		
8 3/4"	7", 20#, J-55	2604'	300 sx		
6 1/4"	4 1/2", 10.5#, K-55	TOL: 2450' BOL: 5055'	341 sx		
	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: <i>A Walker</i> Printed name: Amanda Walker Title: Operations Regulatory Tech Sr. E-mail Address: @hilcorp.com Date: 7/24/2023	OIL CONSERVATION DIVISION Approved by: <i>Dean R Mollure</i> Title: Petroleum Engineer Approval Date: 08/11/2023
	Re-upload the CBL
	Phone: 346-237-2177

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

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

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
NMNMO2491
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.

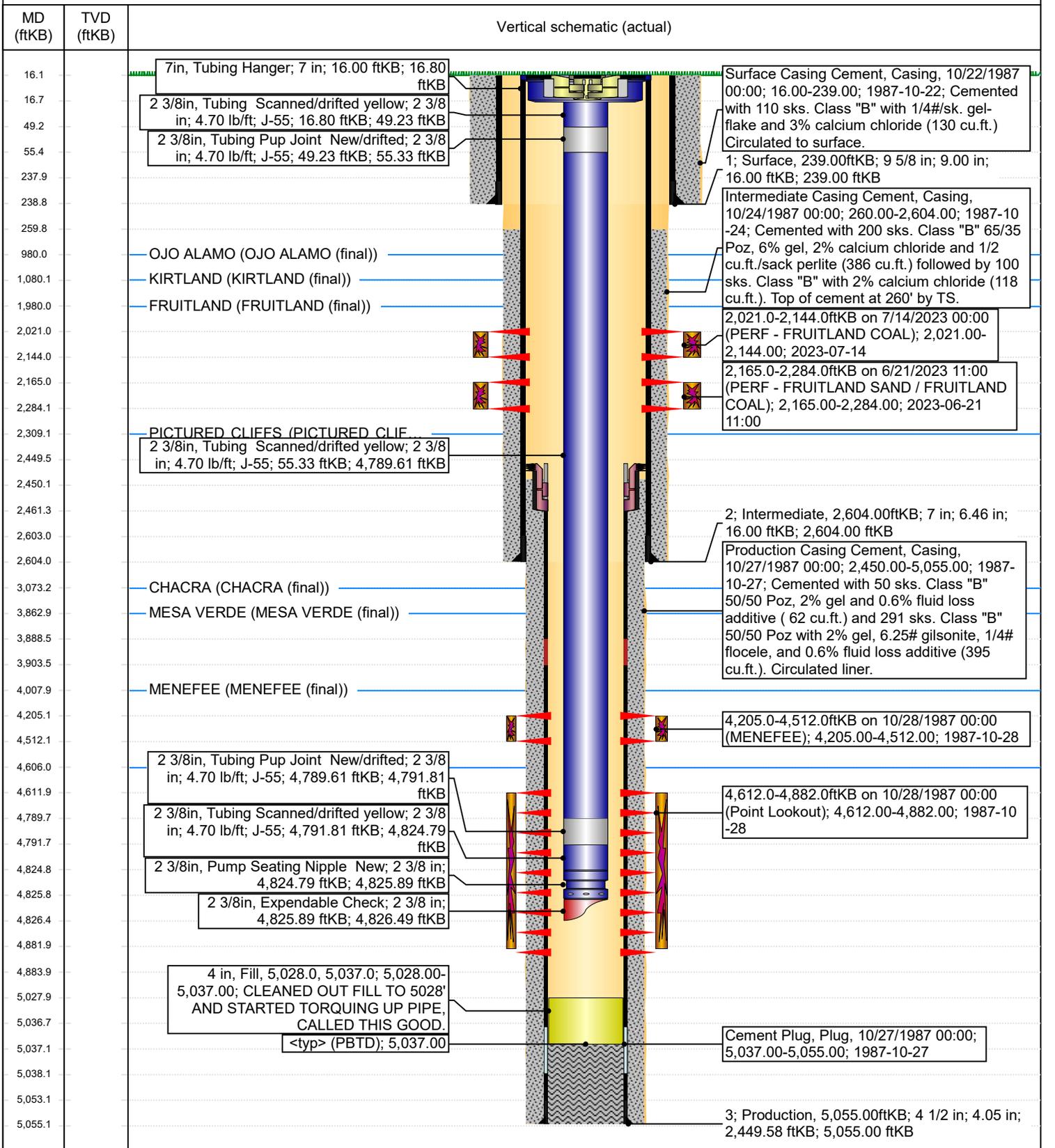


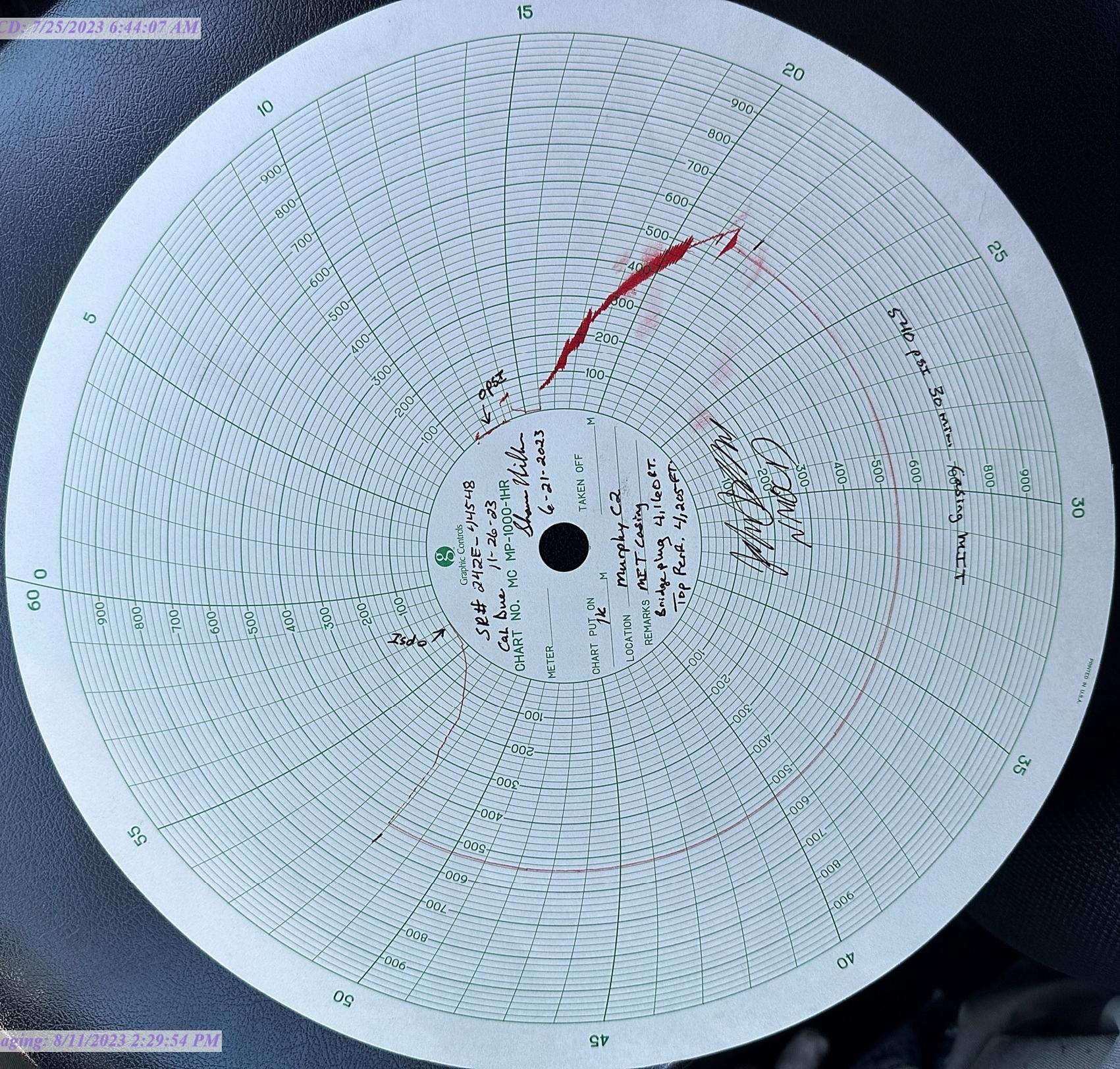
Current Schematic - Version 3

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 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. **NMNM02491**

6. If Indian, Allottee or Tribe Name

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**
 D & A 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? 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"	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)						

26. Perforation Record

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.

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

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	

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
			→						
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. Bn-Gry, fine gm, tight ss.	Fruitland	1980
Pictured Cliffs	2309	3073		Chacra	3073
Chacra	3073	0	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Cliff House	0
Cliff House		4008	Light gry, med-fine gr ss, carb sh & coal	Menefee	4008
Menefee	4008	4606	Med-dark gry, fine gr ss, carb sh & coal	Point Lookout	4606
Point Lookout	4606	0	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Morrison	0
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss		

32. Additional remarks (include plugging procedure):

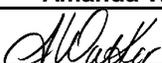
This well is now producing as a FC/MV commingle under DHC 5300

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
 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

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
dmclure	The uploaded CBL is extremely low resolution; please re-upload it.	8/11/2023