

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 30-045-23914	⁵ Pool Name Basin Fruitland Coal		⁶ Pool Code 71629
⁷ Property Code 318622	⁸ Property Name McClanahan		⁹ Well Number 16E

II. ¹⁰ Surface Location

UI or lot no. E	Section 24	Township 28N	Range 10W	Lot Idn	Feet from the 1520	North/South Line North	Feet from the 960	East/West Line West	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
373888	Harvest Four Corners, LLC	G

IV. Well Completion Data

²¹ Spud Date 12/18/1979	²² Ready Date 7/20/2023	²³ TD 6488'	²⁴ PBTD 6480'	²⁵ Perforations 1719' - 1894'	²⁶ DHC, MC DK TA'd
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12 1/4"		8 5/8", 24#, K-55		223'	
7 7/8"		5 1/2", 15.5#, K-55		6487'	
		2 3/8:, 4.7#, J-55		1894'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date 7/20/2023	³³ Test Date 7/20/2023	³⁴ Test Length 4	³⁵ Tbg. Pressure SI 55	³⁶ Csg. Pressure SI 95
³⁷ Choke Size 26/64"	³⁸ Oil 0	³⁹ Water 0	⁴⁰ Gas 24	⁴¹ Test Method	

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: mwalker@hilcorp.com	
Date: 8/11/2023	Phone: 346.237.2177

Well Name: MCCLANAHAN	Well Location: T28N / R10W / SEC 24 / SWNW / 36.650787 / -107.852219	County or Parish/State: SAN JUAN / NM
Well Number: 16E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079634	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004523914	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2742764

Type of Submission: Subsequent Report	Type of Action: Recompletion
Date Sundry Submitted: 07/25/2023	Time Sundry Submitted: 01:12
Date Operation Actually Began: 06/12/2023	

Actual Procedure: The following well has been recompleted into the Fruitland Coal and is now producing as a STANDALONE. The Dakota has been TA'd. Please see the attached for the recompletion operations.

SR Attachments

Actual Procedure

MCCLANAHAN_16E_SR_RC_Writeup_20230725131213.pdf

Well Name: MCCLANAHAN	Well Location: T28N / R10W / SEC 24 / SWNW / 36.650787 / -107.852219	County or Parish/State: SAN JUAN / NM
Well Number: 16E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079634	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004523914	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 25, 2023 01:12 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: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 07/26/2023

Signature: Kenneth Rennick

McClanahan 16E
30-045-23914
NMSF079634
SR Recomplete

6/12/2023: MRIU. CK PRESSURES (SITP: 40 PSI SICP: 40 PSI SIBHP: 0 PSI). ND WH. NU BOP, FT, GOOD. TIH W/TAG JT. TAG FILL @ 6466' (14' FILL). LD TAG JT. SDFN

6/13/2023: CK PRESSURES (SITP: 75 PSI SICP: 75 PSI SIBHP: 0 PSI). SCAN OOH W/TBG. TIH W/MILL T/6246'. TOOH & LD MILL. SDFN

6/14/2023: CK PRESSURES (SITP N/A SICP 70 PSI BH 0). TIH & **SET CIBP @ 6200'**. LOAD HOLE W/110 BBLS, CIRC HOLE CLEAN. PREFORM CSG PRE-TST, GOOD TST. TIH & RUN CBL F/6200' T/SURF.

6/15/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI). CONDUCT MIT T560 PSI F/30 MINS. TST WITNESSED & PASSED BY LENNY MOORE/NMOCD VIA FACETIME. RIH & **SET CBP @ 1940'**. ND BOP. NU WH. SDFN

6/16/2023: CK PRESSURES (SITP: N/A SICP: 0 PSI SIBHP: 20 PSI). ND WH. NU 5K TBG HEAD. NU FRAC STACK, PT, TST GOOD. SD

7/17/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBHP: 0 PSI). RU FRAC CREW. **PERF STAGE #1 (FRC) INTERVAL W/24 SHOTS, 0.35" DIA, 3-1/8" HSC GUN, SELECT FIRE 3 SPF 120 DEGREE PHASING @ 1852', 1857', 1875', 1877', 1880', 1883', 1886', 1894'**. ALL SHOTS FIRED. FRUITLAND COAL STIMULATION: (1852' TO 1894') FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 1127 BBLS TOTAL ACID: 12 BBLS TOTAL LINEAR GEL: 1115 BBLS TOTAL 100 MESH SAND: 5,015 LBS TOTAL 20/40 SAND: 78,854 LBS TOTAL N2: 785,000 SCF. RIH & **SET CBP @ 1827'**. **PERF STAGE #2 (FRC) INTERVAL W/24 SHOTS, 0.35" DIA, 3-1/8" HSC GUN, SELECT FIRE 3 SPF 120 DEGREE PHASING @ 1719', 1723', 1742', 1750', 1753', 1759', 1800', 1804'**. ALL SHOTS FIRED. FRUITLAND COAL STIMULATION: (1719' TO 1804') FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 942 BBLS TOTAL ACID: 12 BBLS TOTAL LINEAR GEL: 930 BBLS TOTAL 100 MESH SAND: 5,013 LBS TOTAL 20/40 SAND: 77,174 LBS TOTAL N2: 605,000 SCF. RD FRAC CREW.

7/18/2023: CK PRESSURES (SITP NA SICP 450 SIBH 0). RD FRAC STACK. PMP 30 BBLS KILL WELL. BP BOP. TST GOOD. SDFN

7/19/2023: CK PRESSURES (SITP NA SICP 350 SIBH 0). TIH W/MILL. TAG @ 1800'. EST CIRC & CO T/CBP. **DO CBP @ 1827'**. CLEAN UP HOLE. CONT TIH & **DO CBP @ 1940'**. CLEAN UP HOLE. CONT TIH. SDFN

7/20/2023: CK PRESSURES (SITP NA SICP 140 SIBH 0). TIH W/148 JTS 2 3/8" 4.7# J-55 PROD TBG. EOT @ 1894'. SN @ 1893'. ND BOP. NU WH. PT TBG T/500 PSI, GOOD. PMP OUT ALUMINUM PLUG & BRING WELL AROUND BOTTOMS UP. RDRR AND HAND OVER TO OPERATIONS.

WELL NOW PRODUCING AS A FRUITLAND COAL STANDALONE, THE DK IS NOW TA'd.*

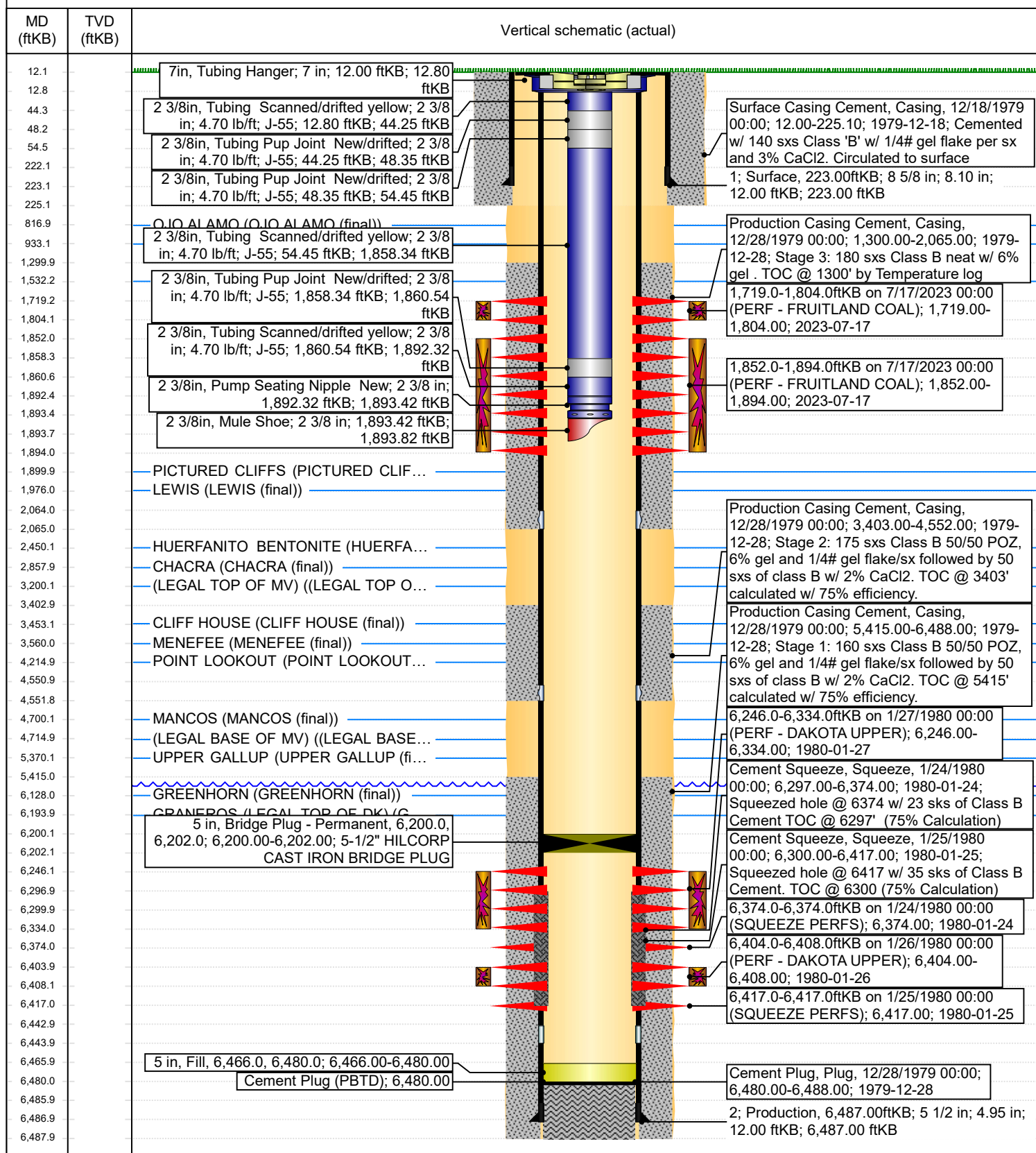


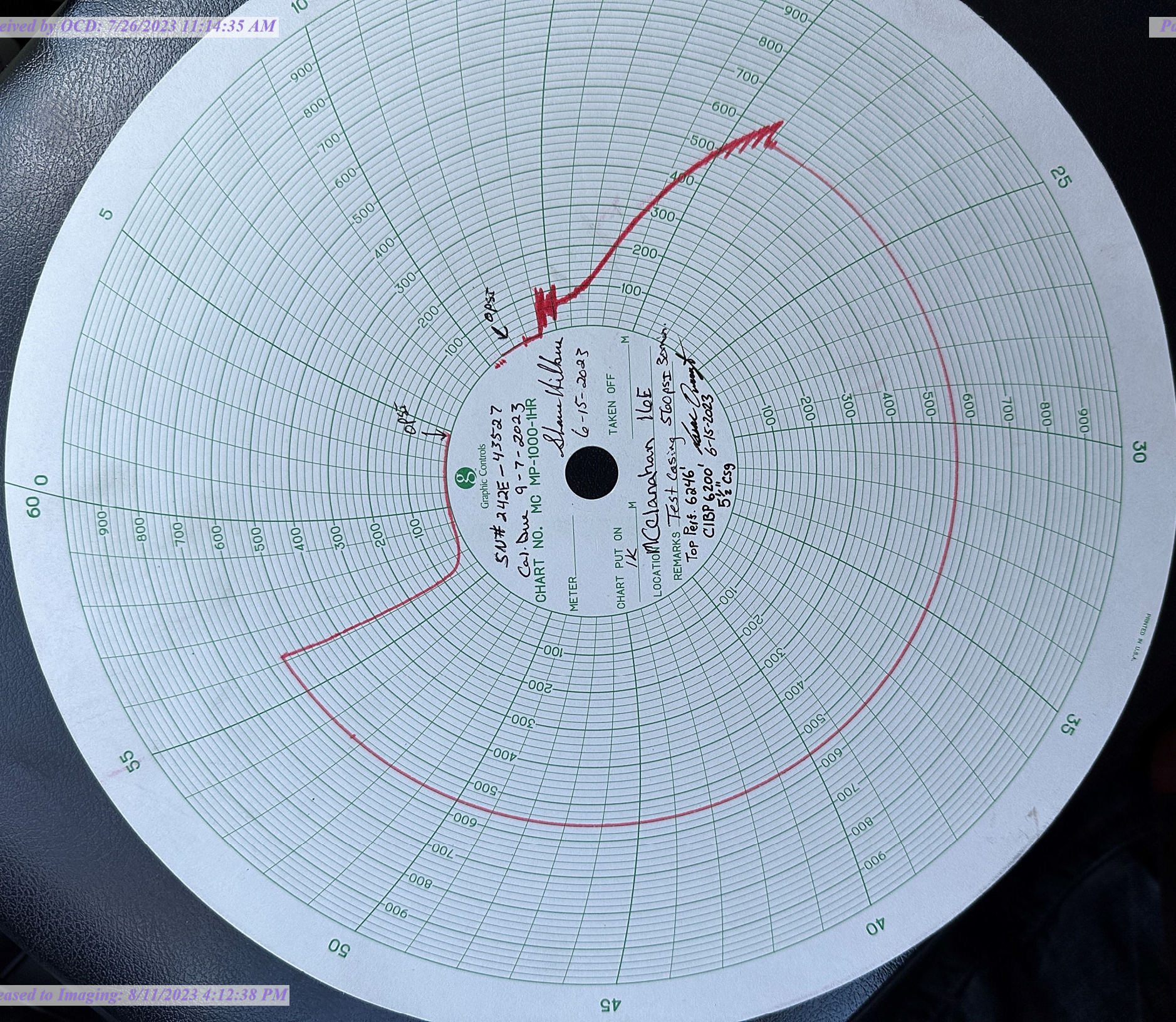
Current Schematic - Version 3

Well Name: MCCLANAHAN #16E

API / UWI 3004523914	Surface Legal Location 024-028N-010W-E	Field Name BASIN DAKOTA (PRORATED GAS)	Route 0806	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 5,756.00	Original KB/RT Elevation (ft) 5,768.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole





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. NMSF079634					
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. NMSF 0079634					
2. Name of Operator Hilcorp Energy Company										8. Lease Name and Well No. McClanahan 16E					
3. Address 382 Road 3100, Aztec, NM 87410						3a. Phone No. (include area code) (505) 599-3400				9. API Well No. 30-045-23914					
4. Location of Well (Report location clearly and in accordance with Federal requirements)*												10. Field and Pool or Exploratory Basin Fruitland Coal			
At surface 1520' FNL & 960' FWL												11. Sec., T., R., M., on Block and Survey or Area Sec. 24, T 28N, R 10W			
At top prod. Interval reported below												12. County or Parish San Juan		13. State New Mexico	
At total depth												17. Elevations (DF, RKB, RT, GL)* 5756' GL			
14. Date Spudded 12/18/1979				15. Date T.D. Reached 12/26/1979				16. Date Completed 7/20/2023 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.							
18. Total Depth: 6488'				19. Plug Back T.D.: 6480'				20. Depth Bridge Plug Set: MD TVD 6200'							
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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled						
12 1/4"	8 5/8", K-55	24		223'		140									
7 7/8"	5 1/2", K-55	15.5		6487'		615									
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"	1894'														
25. Producing Intervals												26. Perforation Record			
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status							
A) Upper Fruitland		1719'	1804'	3 SPF		0.35"	24	Open							
B) Lower Fruitland		1852'	1894'	3 SPF		0.35"	24	Open							
C)															
D)															
27. Acid, Fracture, Treatment, Cement Squeeze, etc.															
Depth Interval			Amount and Type of Material												
FRUITLAND COAL (1852' TO 1894')			FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 1127 BBLS TOTAL ACID: 12 BBLS TOTAL LINEAR GEL: 1115 BBLS TOTAL 100 MESH SAND: 5,015 LBS TOTAL 20/40 SAND: 78,854 LBS TOTAL N2: 785,000 SCF.												
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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		4	→	0	24	0			Flowing						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status							
26/64"	SI 55	SI 95	→	0	144	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	817	933	White, cr-gr ss	Ojo Alamo	817
Kirtland	933	1532	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	933
Fruitland	1532	1900	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1532
Pictured Cliffs	1900	1976	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	1900
Lewis	1976	2450	Shale w/ siltstone stingers	Lewis	1976
Huerfanito Bentonite	2450	2858	White, waxy chalky bentonite	Huerfanito Bentonite	2450
Chacra	2858	3453	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2858
Cliff House	3453	3560	Light gry, med-fine gr ss, carb sh & coal	Cliff House	3453
Menefee	3560	4215	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3560
Point Lookout	4215	4700	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4215
Mancos	4700	5370	Dark gry carb sh.	Mancos	4700
Gallup	5370	6128	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5370
Greenhorn	6128	6194	Highly calc gry sh w/ thin lmst.	Greenhorn	6128
Graneros	6194	0	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	6194

32. Additional remarks (include plugging procedure):

Well now producing as a FC Standalone. The DK has been placed in a TA status.


FC: NMSF 0079634

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 7/25/2023

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: Wednesday, July 26, 2023 10:21 AM
To: Mandi Walker
Subject: [EXTERNAL] Well Name: MCCLANAHAN, Well Number: 16E, 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: **MCCLANAHAN**
- Well Number: **16E**
- US Well Number: **3004523914**
- Well Completion Report Id: **WCR2023072688796**

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 244612

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 244612
	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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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 244612

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 244612
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	None	8/11/2023