

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 30-045-21780	⁵ Pool Name Basin Fruitland Coal		⁶ Pool Code 71629
⁷ Property Code 318690	⁸ Property Name Roelofs A		⁹ Well Number 1A

II. ¹⁰ Surface Location

UL or lot no. C	Section 10	Township 29N	Range 08W	Lot Idn	Feet from the 800	North/South Line North	Feet from the 1700	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


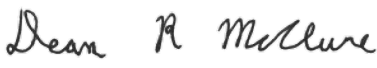
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refinery	O
151618	Enterprise	G

IV. Well Completion Data

²¹ Spud Date 2/10/1976	²² Ready Date 7/27/2023	²³ TD 5613'	²⁴ PBTD 5596'	²⁵ Perforations 2845' – 3022'	²⁶ DHC, MC DHC 5301
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
13 3/4"		9 5/8", 32.3#, H-40		214'	
8 3/4"		7", 23#, K-55		3361'	
6 1/4"		4 1/2", 10.23#,		TOL: 3205' BOL: 5613'	
		2 3/8", 4.7#, J-55		5570'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date 7/27/2023	³³ Test Date 7/27/2023	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure SI 0	³⁶ Csg. Pressure SI 124
³⁷ Choke Size 22/64"	³⁸ Oil 0	³⁹ Water 0	⁴⁰ Gas 221		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: 8/9/2023	Phone: 346.237.2177

Well Name: ROELOFS A	Well Location: T29N / R8W / SEC 10 / NENW / 36.74481 / -107.66516	County or Parish/State: SAN JUAN / NM
Well Number: 1A	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078415A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004521780	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2745335

Type of Submission: Subsequent Report	Type of Action: Recompletion
Date Sundry Submitted: 08/09/2023	Time Sundry Submitted: 12:32
Date Operation Actually Began: 06/06/2023	

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

SR Attachments

Actual Procedure

Roelofs_A_1A_SR_Writeup_20230809123225.pdf

Well Name: ROELOFS A	Well Location: T29N / R8W / SEC 10 / NENW / 36.74481 / -107.66516	County or Parish/State: SAN JUAN / NM
Well Number: 1A	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078415A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004521780	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 09, 2023 12:32 PM
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: 08/09/2023
Signature: Kenneth Rennick

Roelofs A 1A
30-045-21780
NMSF078415A
SR Recomplete

6/6/2023: MIRU. CK PRESSURES (SITP 0 SICP 20 SIBH 0). UNSEAT PMP & RODS. SDFN

6/7/2023: CK PRESSURES (SITP 0 SICP 20 SIBH 0). CONT TOO H W/RODS. SCAN TBG OOH. RIH W/SCRAPER T/3100'. SDFN

6/8/2023: CK PRESSURES (SITP 30 SICP 30 SIBH 0). TIH & **SET CIBP @ 4610'**. PMP 43 BBLS TO LOAD 7" & 4 1/2" CSG. ATTEMPT PRE PT. LOSING 10 PSI. SDFN

6/9/2023: CK PRESSURES (SITP NA SICP 20 SIBH 0). ATTEMPT PT. RBP ISSUE. SDFN

6/12/2023: CK PRESSURES (SITP NA SICP 12 SIBH 0). RIH & SET PKR @ 3147'. PMP 15 BBLS. PERFORMED MIT F/3147' T/4610' 630 PSI FOR 30 MINS. TST WITNESSED AND PASSED BY MONICA KUEHLING/NMOCD VIA FACETIME. RELEASE PKR & TOO H. RIH & **SET RBP 2983'**. ROLL HOLE W/H2O, CLEAN RETURNS. SDFN

6/13/2023: CK PRESSURES (SITP 0 SICP 0 SIBH 0). RUN SECOND MIT F/2983' T/SURF @ 550psi F/30 MINS. WITNESSED AND PASSED BY LENNY MOORE/NMOCD VIA FACETIME. **RELEASE RBP @ 2983'** & LD. RIH & **SET CBP @ 3030'**. SDFN

6/14/2023: CK PRESSURES (SITP 0 SICP 0 SIBH 0). RIH W/WL & **PERF LOWER FRUITLAND, AS FOLLOWS: 2944' – 3022', 3/SPF W/24 SHOTS**, 120/DEGREE PHASING @ 2944', 2948', 2960', 2974', 2978', 2991', 3015', 3022', 0.34/DIA, 3 1/8" HSC SELECT FIRE, 22.4" PENETRATION. RIH & **SET CFP @ 2940'**. RIH W/FRAC STRING & SET @ 2728'. SDFN

6/15/2023: CK PRESSURES (SITP 0 SICP 0 SIBH 0). INSTALLED TBG HANGER. NU FRAC STACK RIH & KNOCK DISC OUT. POH SLICKLINE. WAIT ON FRAC.

7/18/2023: CK PRESSURES (SITP: 0 PSI SICP: 0 PSI SIBHP: 0 PSI). FRUITLAND COAL STIMULATION: (2944' TO 3022') FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 1059 BBLS TOTAL ACID: 12 BBLS TOTAL LINEAR GEL: 1047 BBLS TOTAL 100 MESH SAND: 5,096 LBS TOTAL 20/40 SAND: 72,415 LBS TOTAL N2: 1,073,000 SCF. DROP BALL. **PERF STAGE #2 (FRC) INTERVAL AS FOLLOWS: (2845' – 2936') W/24 SHOTS, 0.34" DIA, ADDRESSABLE GUN, SELECT FIRE 3 SPF** 120 DEGREE PHASING @ 2845', 2850', 2870', 2901', 2907', 2912', 2930', 2936'. ALL SHOTS FIRED. FRUITLAND COAL STIMULATION: (2845' TO 2936') FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 971 BBLS TOTAL ACID: 12 BBLS TOTAL LINEAR GEL: 959 BBLS TOTAL 100 MESH SAND: 5,023 LBS TOTAL 20/40 SAND: 72,507 LBS TOTAL N2: 940,000 SCF. SDFN.

7/19/2023: CK PRESSURES (SITP: 1250 PSI SICP: 0 PSI SIBHP: 0 PSI). ND FRAC STACK. NU BOP & FT, GOOD TST. RELEASE PKR & TOO H W/FRAC STRING. SDFN

7/20/2023: CK PRESSURES (SITP: 300 PSI SICP: 300 PSI SIBHP: 0 PSI). CONT TOO H W/FRAC STRING. EST CIRC **DO CFP @ 2940'**. TOO H ABV TOP PERF. SDFN

7/21/2023: CK PRESSURES (SITP: 450 PSI SICP: 450 PSI SIBHP: 0 PSI). TIH & TAG FILL ON TOP OF PLUG 2 @ 3012'. EST CIRC, CO ABV ISOLATION PLUG. SDFN.

7/22/2023: CK PRESSURES (SITP: 380 PSI SICP: 380 PSI SIBHP: 0 PSI). EST CIRC & **DO PLUG @ 3030'**. CONT TIH & CLEAN SAND/PLUG PARTS T/3204' TOL. SDFN.

Roelofs A 1A
30-045-21780
NMSF078415A
SR Recomplete

7/23/2023: CK PRESSURES (SITP: N/A PSI SICP: 320 PSI SIBHP: 0 PSI). TIH & TAG FILL ON TOP OF LINER @ 3003'. EST CIRC. CHASE JUNK T/3020'. CO. **MILL PLUG @ 4610'**. TOO H ABV PERFS. SDFN.

7/24/2023: CK PRESSURES (SITP: 0 PSI SICP: 160 PSI SIBHP: 0 PSI). TIH & TAG 17' FILL. EST CIRC & CO T/PBTD @ 5596'. CIRC CLEAN. SDFN.

7/25/2023: CK PRESSURES (SITP: 140 PSI SICP: 140 PSI SIBHP: 0 PSI). TIH W/177 JTS 2 3/8" 4.7# J-55 PROD TBG. EOT @ 5570', SN @ 5550'. PBTD @ 5596'. RIH W/NEW PMP & RODS. SEAT PMP & SPACE OUT RODS. LOAD TBG, PT T/1000 PSI, GOOD TST. BLEED OFF PRESSURES, LONG STROKE PMP BACK UP T/1000 PSI, GOOD TST. RDRR HAND OVER TO OPERATIONS.

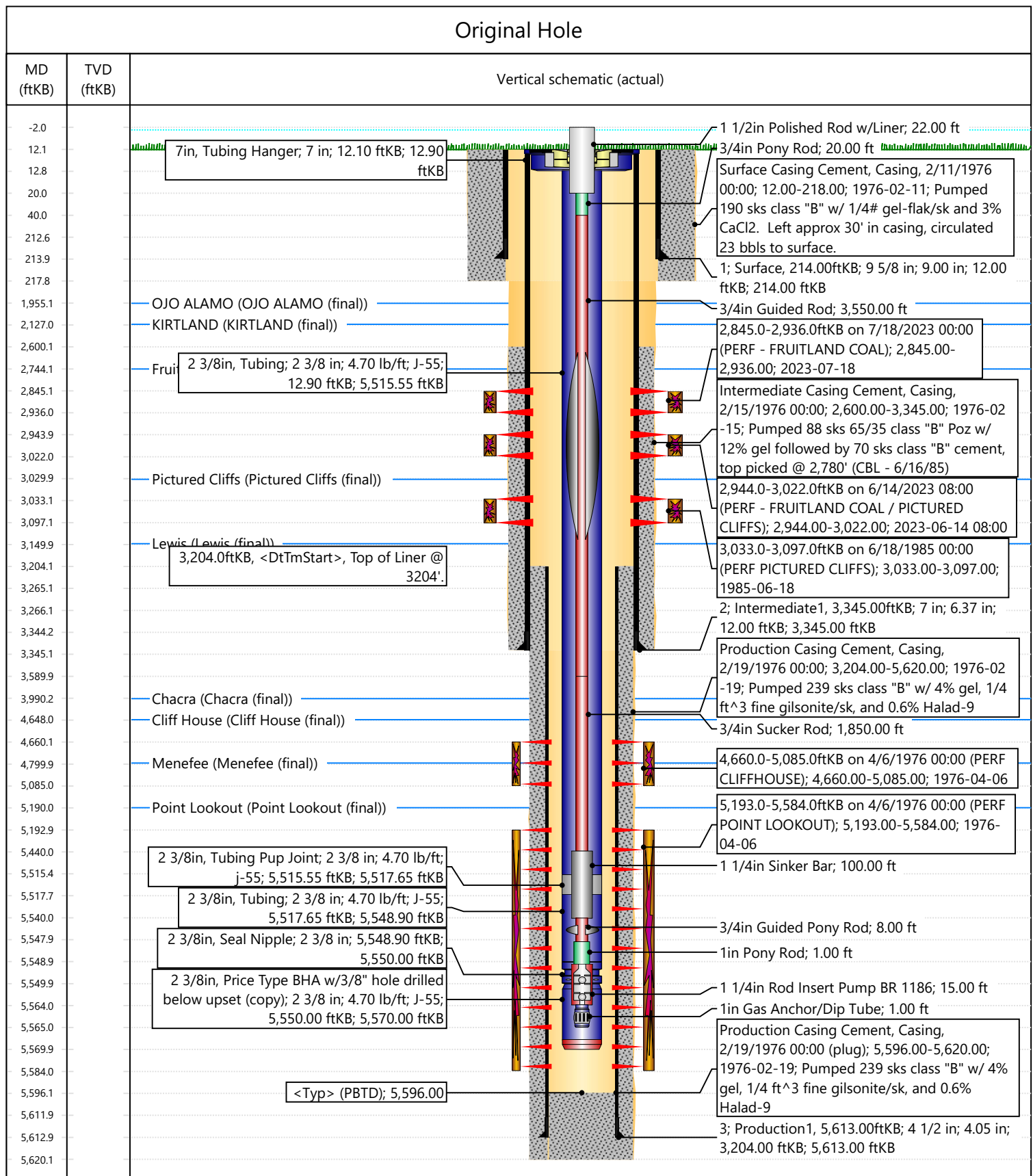
****WELL IS NOW PRODUCING AS A FC/PC/MV TRI-MMINGLE ****

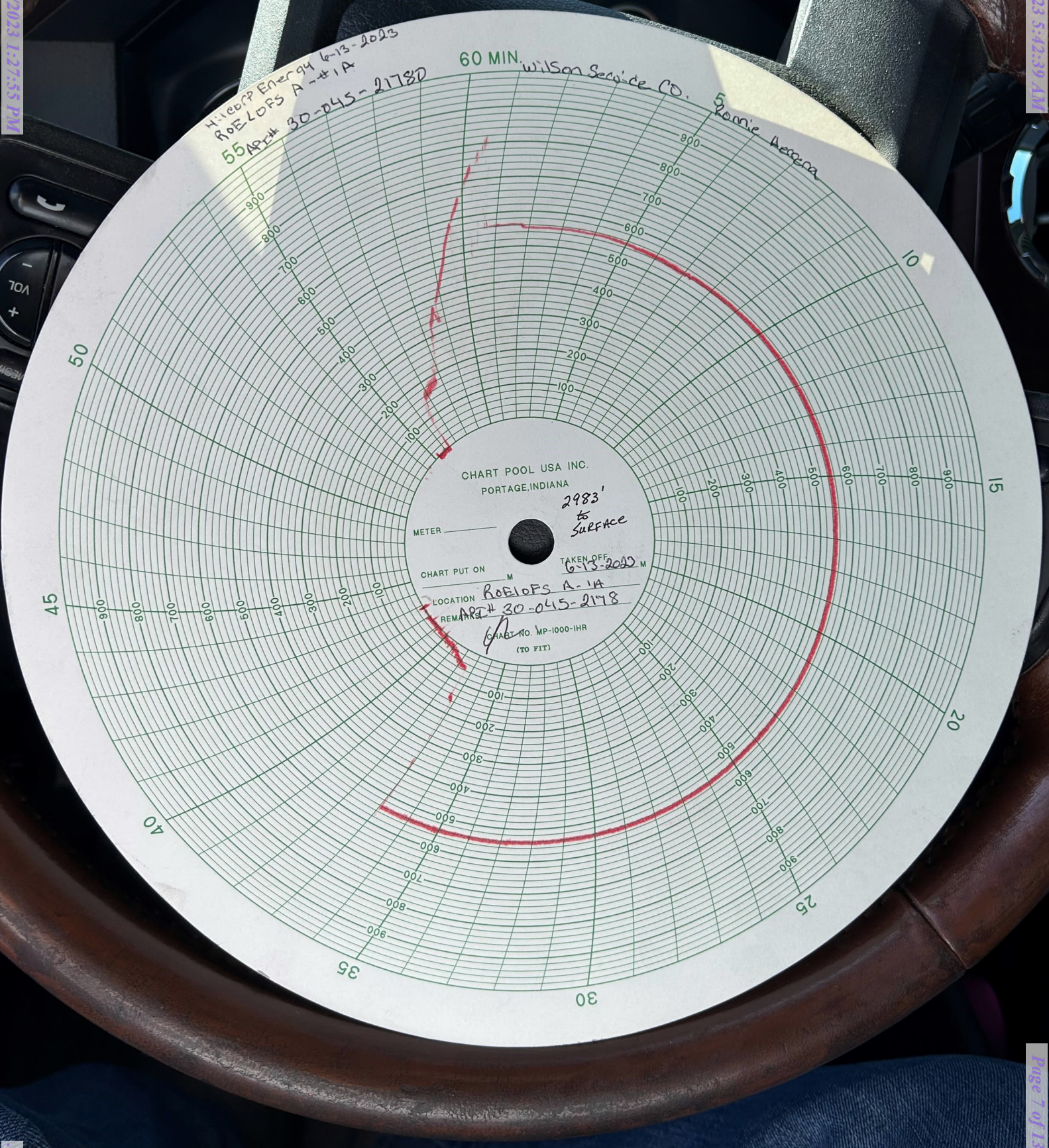


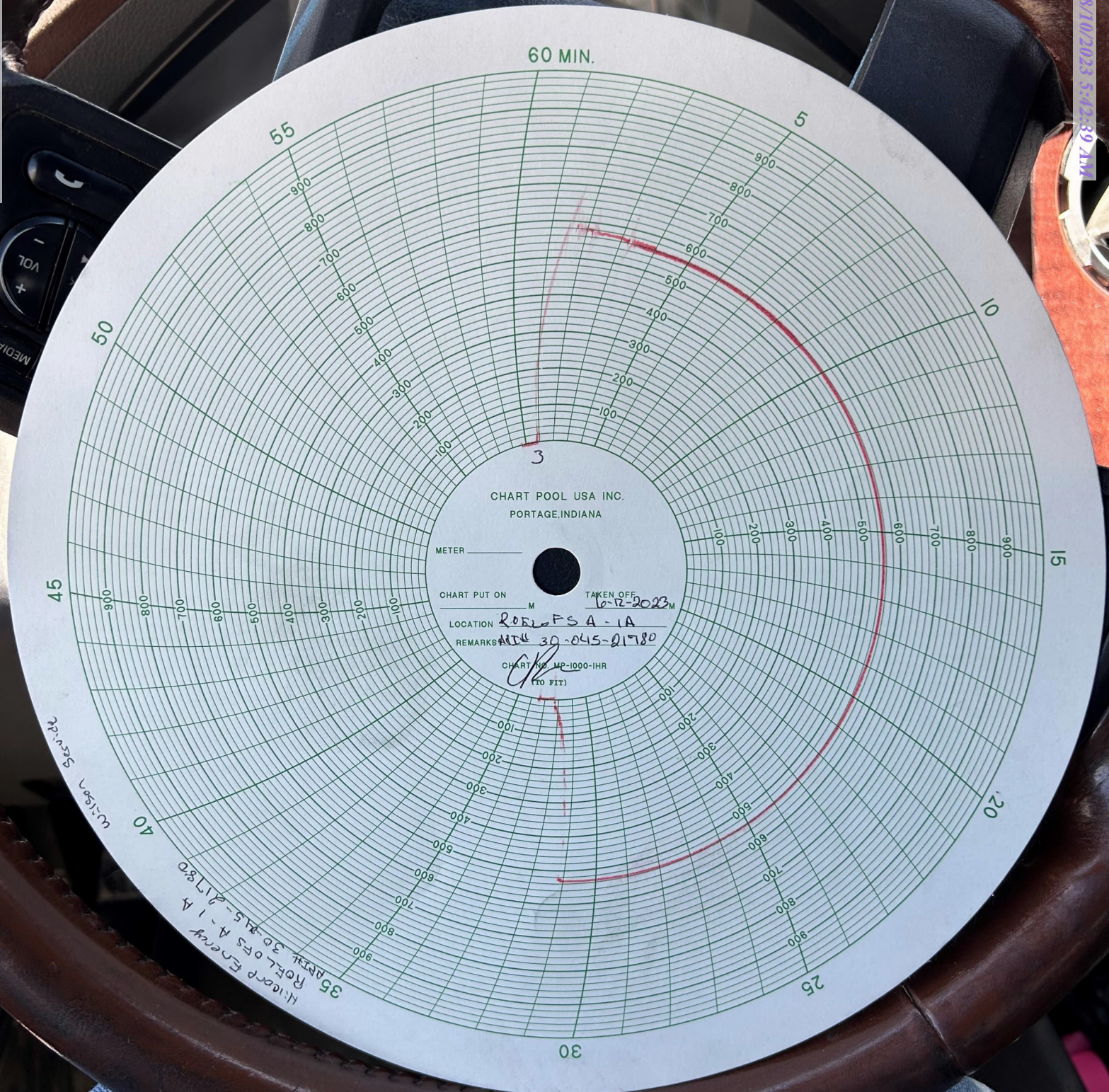
Current Schematic - Version 3

Well Name: ROELOFS A #1A

API / UWI 3004521780	Surface Legal Location 010-029N-008W-C	Field Name BLANCO PICTURED CLIFFS (GAS)	Route 0800	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,319.00	Original KB/RT Elevation (ft) 6,331.00	RKB to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	







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. NMSF078415A	
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.	
2. Name of Operator Hilcorp Energy Company										8. Lease Name and Well No. Roelofs A 1A	
3. Address 382 Road 3100, Aztec, NM 87410						3a. Phone No. (include area code) (505) 599-3400				9. API Well No. 30-045-21780	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface C (NENW) 800' FNL & 1700' FWL At top prod. Interval reported below At total depth										10. Field and Pool or Exploratory Fruitland Coal	
										11. Sec., T., R., M., on Block and Survey or Area Sec. 10, T29N, R08W	
										12. County or Parish San Juan	13. State New Mexico
14. Date Spudded 2/10/1976				15. Date T.D. Reached 2/19/1976			16. Date Completed 7/27/2023 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* 6319' GL	
18. Total Depth: 5613'					19. Plug Back T.D.: 5596'					20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)							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		
13 3/4"	9 5/8", H-40	32.3		214'		224 cu ft.					
8 3/4"	7", K-55	23		3361'		313 cu ft.					
6 1/4"	4 1/2",	10.23	3205'	5613'		423 cu ft.					
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"	5570'										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Upper Fruitland Coal		2845'	2936'	3 SPF		0.34"	24	Open			
B) Lower Fruitland Coal		2944'	3022'	3 SPF		0.34	24	Open			
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
FRUITLAND COAL (2845' TO 2936')			FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 971 BBLs TOTAL ACID: 12 BBLs TOTAL LINEAR GEL: 959 BBLs TOTAL 100 MESH SAND: 5,023 LBS TOTAL 20/40 SAND: 72,507 LBS TOTAL N2: 940,000 SCF								
FRUITLAND COAL (2944' TO 3022')			FRAC AT 50 BPM W/ 60 Q N2 FOAM. TOTAL LOAD: 1059 BBLs TOTAL ACID: 12 BBLs TOTAL LINEAR GEL: 1047 BBLs TOTAL 100 MESH SAND: 5,096 LBS TOTAL 20/40 SAND: 72,415 LBS TOTAL N2: 1,073,000 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		
7/27/2023	7/27/2023		➡	0	221	0			Flowing		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
22/64"	SI 0	SI 124	➡	0	221	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	1945	2127	White, cr-gr ss	Ojo Alamo	1945
Kirtland	2127	2744	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2127
Fruitland	2744	3030	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2744
Pictured Cliffs	3030	3150	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	3030
Lewis	3150	0	Shale w/ siltstone stingers	Lewis	3150
Huerfanito Bentonite		3990	White, waxy chalky bentonite	Huerfanito Bentonite	0
Chacra	3990	4648	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3990
Cliff House	4648	4800	Light gry, med-fine gr ss, carb sh & coal	Cliff House	4648
Menefee	4800	5190	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4800
Point Lookout	5190	0	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5190
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	0


32. Additional remarks (include plugging procedure):

This well is now producing as a FC/PC/MV Tri-mmingle under DHC 5301**FC: NMSF 0078415A**

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- | | | | |
|---|--|-------------------------------------|---|
| <input type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd.) | <input type="checkbox"/> Geologic Report | <input type="checkbox"/> DST Report | <input type="checkbox"/> Directional Survey |
| <input type="checkbox"/> Sundry Notice for plugging and cement verification | <input type="checkbox"/> Core Analysis | <input type="checkbox"/> 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	8/9/2023

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.

Released to Imaging: 8/11/2023 1:27:55 PM

(Continued on page 3)

(Form 3160-4, page 2)

AFMSS Portal Modules Finder Forms Knowledge Base Help Desk

AMANDA WALKER

My Well Completion Report

Worklist

Operator In-Sight Well Completion Report Processes

Operator Archived Well Completion Report Processes

Operator Archived Well Completion Report Processes

Quick Search

Excel

Monitoring

APD ID	WCR ID	BLM Office	Operator	Well Name	Well Number	US Well Number	Status
96AIR7143AFE	88917	Farmington	HILCORP ENERGY COMPANY	roe	1A	3004521780	ACCEPTED

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 250397

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 250397
	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 250397

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 250397
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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