

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 Feb. 26, 2007

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

☐ 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 30-039-20719	⁵ Pool Name Blanco-Mesaverde (Prorated Gas)	
	⁶ Pool Code 72319	
⁷ Property Code 319210	⁸ Property Name San Juan 27-4 Unit	⁹ Well Number 70

II. ¹⁰ Surface Location

UI or lot no. L	Section 4	Township 27N	Range 4W	Lot Idn	Feet from the 1550	North/SouthLine South	Feet from the 990	East/West line West	County Rio Arriba
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¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/SouthLine	Feet from the	East/West line	County
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 Refining Company	O
373888	Harvest Four Corners	G

IV. Well Completion Data

²¹ Spud Date 9/16/1973	²² Ready Date 10/2/22	²³ TD MD 8535'	²⁴ PBTD MD 8527'	²⁵ Perforations 5833'- 6359'	²⁶ DHC, MC TA DK
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
13 3/4"		9 5/8", 32.3#, H-40	222'		517 cf
8 3/4"		7", 20 & 23#, KS	4361'		188 cf
6 1/4"		4 1/2", 11.6 & 10.5#, N-80 & K-55	8535'		628 cf
		2 3/8", 4.7#, J-55	6305'		

V. Well Test Data

³¹ Date New Oil NA	³² Gas Delivery Date 10/2/22	³³ Test Date 10/2/22	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure SI-537 psi	³⁶ Csg. Pressure SI-591 psi
³⁷ Choke Size 22/64"	³⁸ Oil 0 bbl	³⁹ Water 26 bwpd	⁴⁰ Gas 295 mcfd		⁴¹ Test Method Flowing

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: Kandis Roland			OIL CONSERVATION DIVISION		
Printed name: Kandis Roland			Approved by: Dean R McClure		
Title: Operations Regulatory Tech Sr.			Title: Petroleum Engineer		
E-mail Address: kroland@hilcorp.com			Approval Date: 10/18/2022		
Date: 10/18/22		Phone: (713) 757-5246			

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

5. Lease Serial No.

NMSF080668

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
San Juan 27-4 Unit

2. Name of Operator

Hilcorp Energy Company

8. Lease Name and Well No.

San Juan 27-4 Unit 70

3. Address

382 Rd 3100, Aztec NM 87410

3a. Phone No. (include area code)

(505) 333-1700

9. API Well No.

30-039-20719

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Unit L (NWSW), 1550' FSL & 990' FWL,

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded

9/16/1973

15. Date T.D. Reached

9/28/1973

16. Date Completed

10/2/2022☐ D & A☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

7164'

18. Total Depth:

8535'

19. Plug Back T.D.:

8527'

20. Depth Bridge Plug Set:

8250'

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
13 3/4"	9 5/8" H-40	32.3#	0	222'	n/a	517 cf			
8 3/4"	7" K-S	20 & 23#	0	4361'	n/a	188 cf			
6 1/4"	4 1/2" N80/K55	11.6 & 10.5#	0	8535'	n/a	628 cf			

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"	6305'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	6137'	6359'	1 SPF	.33"	22	open
B) Cliffhouse	5833'	6102'	1 SPF	.33"	20	open
C)						
D) TOTAL					42	

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

Depth Interval	Amount and Type of Material
6137-6359	Broke well w/ FW & 500 gal 15% HCL. Foam Frac w/ 47,124 gal of 70 Q slick water, 150,177# 20/40 sand, 1.78M SCF N2
5833-6102	Broke well w/ FW & 500 gal 15% HCL. Foam Frac w/ 47,208 gal of 70 Q slick water, 147,592# 20/40 sand, 1.7M SCF N2
-	

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
10/2/2022	10/2/2022	24		0	295 mcf	26 bbls	n/a	n/a	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
22/64"	537 psi	591 psi		0	295 mcf/d	26 bwpd	n/a		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 (Solid, 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	3460'	3610'	White, cr-gr ss	Ojo Alamo	3460'
Kirtland	3610'	3734'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3610'
Fruitland	3734'	4049'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3734'
Pictured Cliffs	4049'	4227'			4049'
Lewis	4227'	5018'	Shale w/ siltstone stingers	Lewis	4227'
Chacra	5018'	5831'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	5018'
Cliffhouse	5831'	5898'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5831'
Menefee	5898'	6204'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5898'
Point Lookout	6204'	6696'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	6204'
Mancos	6696'	7350'	Dark gry carb sh.	Mancos	6696'
Gallup	7350'	8170'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	7350'
Greenhorn	8170'	8230'	Highly calc gry sh w/ thin lmst.	Greenhorn	8170'
Graneros	8230'	8355'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	8230'
Dakota	8355'		Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	8355'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure):

This well is currently producing as a MV stand alone. DK formation has been TA'd. MV PA - NMNM078408A

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) Kandis Roland Title Operations/Regulatory Technician

Signature Kandis Roland Date 10/6/2022

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.

[My Well Completion Worklist](#)[Operator In-flight Well Completion Processes](#)[Operator Archived Well Completion Processes](#)

Operator Archived Well Completion Processes									
<div>Quick Search <input type="text"/></div> <div>Monitoring <input type="button" value="Refresh"/></div>									
	✓	APD ID	WCR ID	BLM Office	Operator	Well Name	Well Number	US Well Number	Status
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	✓	96AIR2602AFEF	86137	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	70	3003920719	ACCEPTED

Well Name: SAN JUAN 27-4 UNIT	Well Location: T27N / R4W / SEC 4 / NWSW / 36.59905 / -107.26079	County or Parish/State: RIO ARRIBA / NM
Well Number: 70	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080668	Unit or CA Name: SAN JUAN 27-4 UNIT--DK	Unit or CA Number: NMNM78408B
US Well Number: 3003920719	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2696723

Type of Submission: Subsequent Report

Date Sundry Submitted: 10/06/2022

Date Operation Actually Began: 08/01/2022

Type of Action: Recompletion

Time Sundry Submitted: 06:04

Actual Procedure: Subject well was recompleted into the Mesaverde & DK was TA'd. Please see attached operational reports.

SR Attachments

- Actual Procedure
- Current_Schematic_20221006060425.pdf

SJ_27_4_Unit_70_Recomplete_Sundry_20221006060425.pdf

SJU_27_4__70_MIT_8_3_2022_20221006060403.pdf

Well Name: SAN JUAN 27-4 UNIT	Well Location: T27N / R4W / SEC 4 / NWSW / 36.59905 / -107.26079	County or Parish/State: RIO ARRIBA / NM
Well Number: 70	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080668	Unit or CA Name: SAN JUAN 27-4 UNIT--DK	Unit or CA Number: NMNM78408B
US Well Number: 3003920719	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: KANDIS ROLAND

Signed on: OCT 06, 2022 06:04 AM

Name: HILCORP ENERGY COMPANY

Title: Operation Regulatory Tech

Street Address: 382 Road 3100

City: Farmington

State: NM

Phone: (505) 599-3400

Email address: kroland@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: 10/17/2022

Signature: Kenneth Rennick

San Juan 27-4 Unit 70
API # 30-039-20719
Recomplete Subsequent Sundry

8/1/22 SIBHP- 0, SIICP-0, SITP- 100, SICP- 100. MIRU. BWD. ND WH, NU BOP. PT BOP, good test. TOOH & scan tbg. TIH w/ mill to 8269'. SIW. SDFN.

8/2/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 60. BWD. TOOH w/ mill. TIH and set **CIBP @ 8250'**. PT csg to 600 psi. Good Test. LD tbg. SIW. SDFN.

8/3/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. MIT 580 psi for 30 min witness by Thomas Vermersch, OCD. Good test. RU WL. Run CBL from 8250' to surface. **Submitted CBL to Monica Kuehling/OCD and Kenny Rennick/BLM. Received verbal approval to change perf range to 5800' – 6400' on 8/10/22 & 8/4/22.** RIH & set **CBP @ 6455'**. RD WL. SIW. SDFN.

8/4/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. PT csg to 4000 psi. Good Test. ND BOP, NU WH. SIW. RDMO

9/27/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. RU WL.

RIH & Perf **PT Lookout** w/.33" diam.- 1SPF @: 6137', 6141', 6145', 6156', 6174', 6208', 6211', 6222', 6225', 6236', 6243', 6252', 6257', 6268', 6275', 6278', 6296', 6315', 6322', 6328', 6350', 6359'= **22** holes. POOH. RD WL. RU Frac crew. PT Lookout (6137' – 6359') Broke well w/ FW & 500 gal 15% HCL. Foam Frac w/ 47,124 gal of 70 Q slick water, 150,177# 20/40 sand, 1.78M SCF N2. RIH and set **frac plug @ 6120'**. POOH. RU WL.

RIH & Perf **Cliffhouse** w/.33" diam.- 1SPF @: 5833', 5842', 5851', 5858', 5866', 5872', 5883', 5893', 5908', 5916', 5935', 5953', 5960', 5979', 5998', 6008', 6026', 6060', 6078', 6102'= **20** holes. POOH. RD WL. Frac Cliffhouse (5833' – 6102'). Broke well w/ FW & 500 gal 15% HCL. Foam Frac w/ 47,208 gal of 70 Q slick water, 147,592# 20/40 sand, 1.7M SCF N2. RIH & set **CBP @ 5664'**. TOOH. SIW. SDFN.

9/28/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. MIRU. ND WH, NU BOP. PT BOP, good test. SIW. SDFN.

9/29/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. TIH w/ mill & D/O **CBP @ 5664'**. C/O well. RIH & D/O **Frac Plug @ 6120'**. C/O well. RIH & D/O **frac plug @ 6455'**. TOOH. SIW. SDFN.

9/30/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 680. BDW. TIH. C/O well. TIH & land 201 jts 2 3/8", 4.7# J-55 **tbg set @ 6305'** with SN @ 6304'. ND BOP. NU WH. PT tbg to 500 psi. Test Good. RDMO.

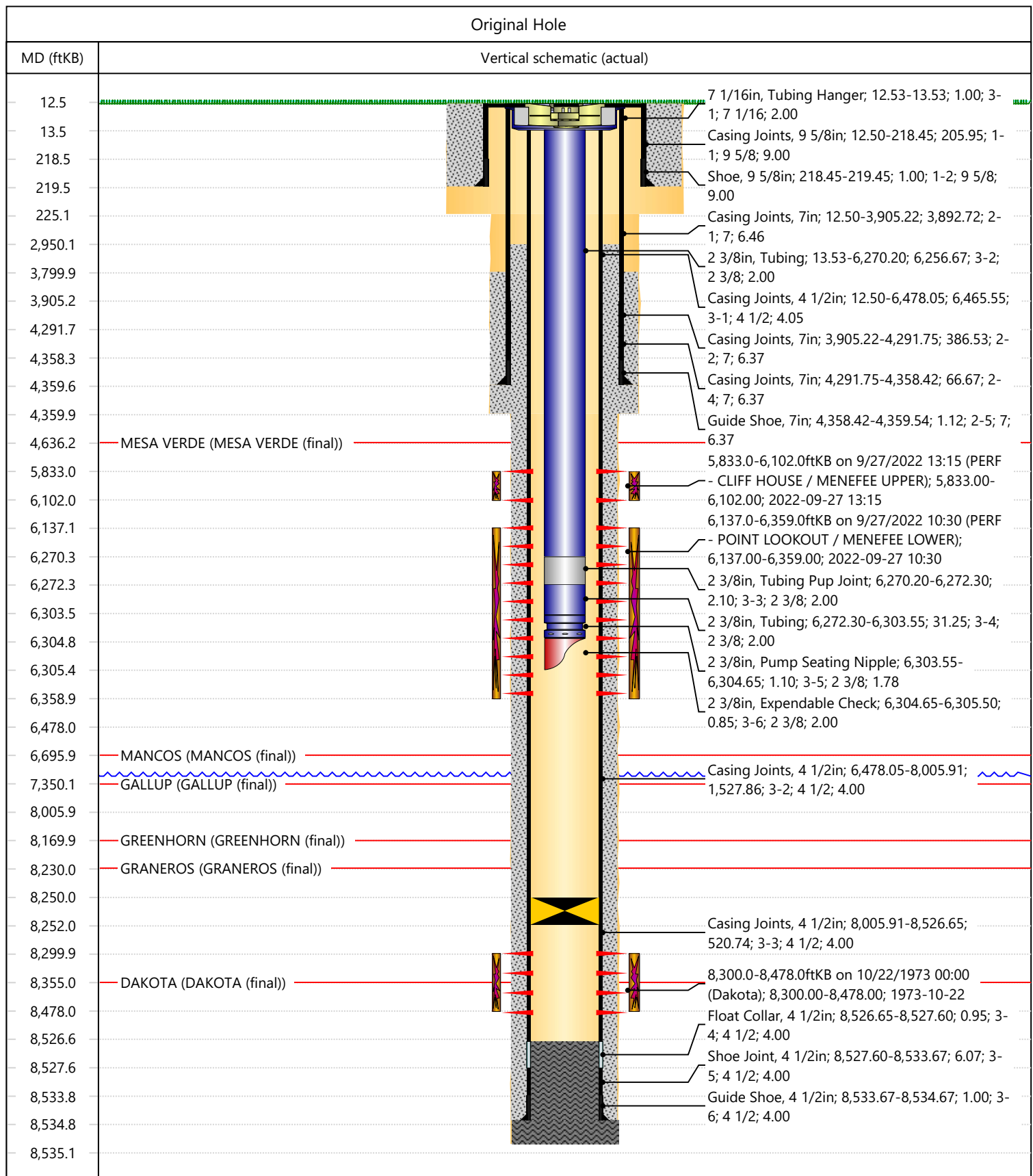
Existing DK is TA'd. This well is currently producing as a MV Standalone with Gas Allowable C-104 waiting on RC C-104 approval.

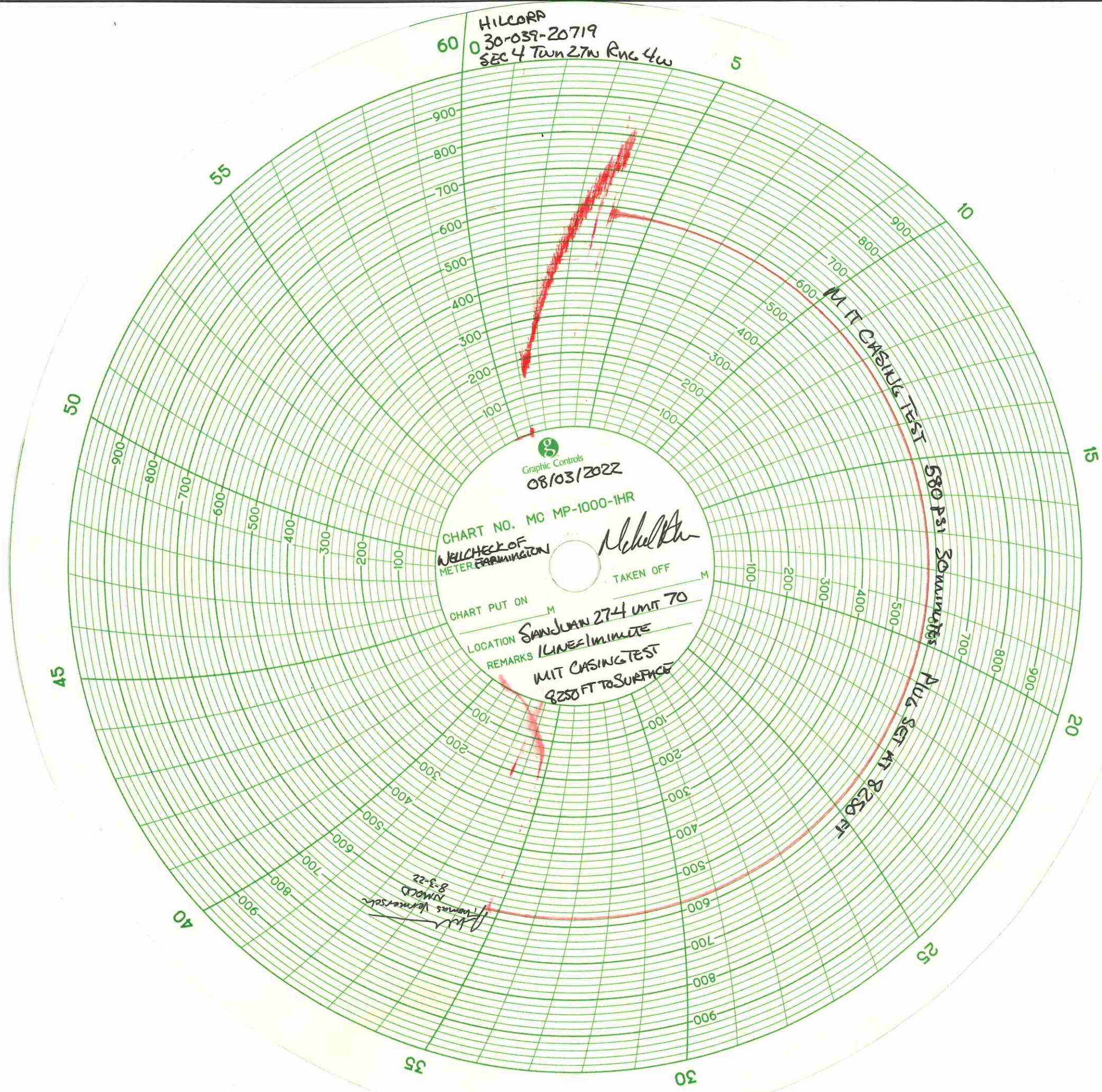


Current Schematic

Well Name: SAN JUAN 27-4 UNIT #70

API / UWI 3003920719	Surface Legal Location 004-027N-004W-L	Field Name BASIN DAKOTA (PRORATED GAS)	Route 1311	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 7,164.00	Original KB/RT Elevation (ft) 7,176.50	KB-Ground Distance (ft) 12.50	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	





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 151564

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 151564
	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 151564

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 151564
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	None	10/18/2022