

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 30-039-30043	⁵ Pool Name Blanco-Mesaverde (Prorated Gas)		⁶ Pool Code 72319
⁷ Property Code 318710	⁸ Property Name San Juan 28-6 Unit		⁹ Well Number 168E

II. ¹⁰ Surface Location

Ul or lot no. L	Section 14	Township 27N	Range 6W	Lot Idn	Feet from the 1365	North/SouthLine South	Feet from the 485	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
151618	Enterprise Field Services	G

IV. Well Completion Data

²¹ Spud Date 12/3/2006	²² Ready Date 9/24/22	²³ TD MD 7628'	²⁴ PBTD MD 7602'	²⁵ Perforations 4144' – 5775'	²⁶ DHC, MC DHC-4854-0
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8", 32.3#, H-40	187'	105 sx		
8 3/4"	7", 20#, J-55	3405'	499 sx		
6 1/4"	4 1/2", 10.5 & 11.6, J-55	7628'	319 sx		
	2 3/8", 4.7#, J-55	7534'			

V. Well Test Data

³¹ Date New Oil NA	³² Gas Delivery Date 9/24/22	³³ Test Date 9/24/22	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure 420 psi	³⁶ Csg. Pressure 350 psi
³⁷ Choke Size 24/64"	³⁸ Oil 0	³⁹ Water 18 bwpd	⁴⁰ Gas 557 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: <i>Kandis Roland</i>		OIL CONSERVATION DIVISION Approved by:	
Printed name: Kandis Roland		Title:	
Title: Operations Regulatory Tech Sr.		Approval Date:	
E-mail Address: kroland@hilcorp.com			
Date: 10/3/22	Phone: (713) 757-5246		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2018

5. Lease Serial No.

NMSF079365

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 28-6 Unit

2. Name of Operator

Hilcorp Energy Company

8. Lease Name and Well No.

San Juan 28-6 Unit 168E3. Address
382 Rd 3100, Aztec NM 874103a. Phone No. (include area code)
(505) 333-1700

9. API Well No.

30-039-30043

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

At surface **Unit L (NWSW), 1365' FSL & 485' FWL,**

At top prod. Interval reported below

Same as above

At total depth

Same as above14. Date Spudded
12/3/200615. Date T.D. Reached
12/9/200616. Date Completed **9/24/2022**
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
6466'18. Total Depth: **7628'**19. Plug Back T.D.: **7602'**20. Depth Bridge Plug Set: **MD**
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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
12 1/4"	9 5/8" H-40	32.30#	0	187'	n/a	105 sx			
8 3/4"	7" J-55	20#	0	3405'	n/a	499 sx			
6 1/4"	4 1/2" J-55	11.6 & 10.5#	0	7628'	n/a	319 sx			

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"	7534'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	5319'	5775'	1 SPF	.33"	22	open
B) Cliffhouse	4731'	5282'	1 SPF	.33"	26	open
C) Lewis	4144'	4538'	1 SPF	.33"	20	open
D) TOTAL					68	

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

Depth Interval	Amount and Type of Material
5319-5775	Broke well w/ 500 gal 15% HCL. Foam Frac w/ 32,130 gal of 70 Q slick water, 100,045# 20/40 sand, 1.13M SCF N2
4731-5282	Broke well w/ 500 gal 15% HCL. Foam Frac w/ 33,012 gals of 70 Q slick water, 100,311# 20/40 sand, 1.03M SCF N2
4144-4538	Broke well w/ 500 gal 15% HCL. Foam Frac w/ 31,920 gals of 70 Q slick water, 100,283# 20/40 sand, 1.05M 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
9/24/2022	9/24/2022	24		0	557 mcf	18 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	
24/64"	420 psi	350 psi		0	557 mcf/d	18 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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

*(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	2534'	2621'	White, cr-gr ss	Ojo Alamo	2534'
Kirtland	2621'	2810'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2621'
Fruitland	2810'	3174'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Fruitland	2810'
Pictured Cliffs	3174'	3300'			3174'
Lewis	3300'	4126'	Shale w/ siltstone stingers	Lewis	3300'
Chacra	4126'	4728'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	4126'
Cliffhouse	4728'	4958'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4728'
Menefee	4958'	5393'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4958'
Point Lookout	5393'	5803'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5393'
Mancos	5803'	6531'	Dark gry carb sh.	Mancos	5803'
Gallup	6531'	7293'	Lt. gry to brn calc carb micac gluc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6531'
Greenhorn	7293'	7355'	Highly calc gry sh w/ thin lmst.	Greenhorn	7293'
Graneros	7355'	7395'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7355'
Dakota	7395'		Lt to dark gry foss carb sl calc sl silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7395'
Morrison			Interbed gm, brn & red waxy sh & fine to coard gm ss		

32. Additional remarks (include plugging procedure):

This well is currently producing as a MV/DK commingle per DHC 4854. MV PA - NMNM078412A

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 10/3/2022

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.

Kandis Roland

From: blm-afmss-notifications@blm.gov
Sent: Wednesday, October 5, 2022 11:12 AM
To: Kandis Roland
Subject: [EXTERNAL] Well Name: SAN JUAN 28-6 UNIT, Well Number: 168E, 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: **SAN JUAN 28-6 UNIT**
- Well Number: **168E**
- US Well Number: **3003930043**
- Well Completion Report Id: **WCR2022100586112**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Well Name: SAN JUAN 28-6 UNIT	Well Location: T27N / R6W / SEC 14 / NWSW / 36.570873 / -107.443873	County or Parish/State: RIO ARRIBA / NM
Well Number: 168E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079365	Unit or CA Name: SAN JUAN 28-6 UNIT--DK	Unit or CA Number: NMNM78412C
US Well Number: 3003930043	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2696058

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 10/03/2022

Time Sundry Submitted: 01:46

Date Operation Actually Began: 07/18/2022

Actual Procedure: Subject well was recompleted into the Mesaverde and commingled with the Dakota. Please see attached operational reports.

SR Attachments

Actual Procedure

- SJU_28_6__168E_MIT_7_20_2022_20221003134455.pdf
- Schematic__Current_20221003134443.pdf
- SJ_28_6_Unit_168E_Recomplete_Sundry_20221003134443.pdf

Well Name: SAN JUAN 28-6 UNIT	Well Location: T27N / R6W / SEC 14 / NWSW / 36.570873 / -107.443873	County or Parish/State: RIO ARRIBA / NM
Well Number: 168E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079365	Unit or CA Name: SAN JUAN 28-6 UNIT--DK	Unit or CA Number: NMNM78412C
US Well Number: 3003930043	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 03, 2022 01:46 PM
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: 10/05/2022
Signature: Kenneth Rennick	

San Juan 28-6 Unit 168E
API # 30-039-30043
Recomplete Subsequent Sundry

7/18/22 SIBHP- 0, SIICP-0, SITP- 15, SICP- 136. MIRU. BWD. ND WH, NU BOP. PT BOP, good test. TOOH and scan tbg. TIH w/ mill to 7380'. SIW. SDFN.

7/19/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 156. BWD. TOOH w/ mill. TIH and set **CIBP @ 7346'**. PT csg to 500 psi. Good Test. LD tbg. SIW. SDFN

7/20/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. Conduct MIT 560 psi for 30 min witness by Thomas Vermersch, OCD. Good test. RIH & set **CBP @ 5850'**. PT csg to 4000 psi. Good test. ND BOP, NU WH. RDMO

9/19/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. RU wireline. RIH & Perf **PT Lookout** w/.33" diam.- 1SPF @: 5319', 5335', 5362', 5368', 5376', 5396', 5428', 5432', 5439', 5447', 5470', 5489', 5514', 5558', 5656', 5673', 5697', 5705', 5718', 5733', 5752', 5775'= **22** holes. POOH. RD wireline. RU Frac crew. PT Lookout (5319' – 5775') Broke well w/ 500 gal 15% HCL. Foam Frac w/ 32,130 gal of 70 Q slick water, 100,045# 20/40 sand, 1.13M SCF N2. RIH and set **frac plug @ 5309'**. POOH. RIH & perf **Cliffhouse** w/.33" diam.- 1-SPF @: 4731', 4766', 4824', 4840', 4849', 4862', 4886', 4910', 4920', 4938', 4946', 4970', 4992', 5000', 5011', 5020', 5036', 5048', 5074', 5107', 5121', 5142', 5186', 5205', 5261', 5282'= **26** holes. POOH. RD wireline. Frac Cliffhouse (4731' – 5282') Broke well w/ 500 gal 15% HCL. Foam Frac w/ 33,012 gals of 70 Q slick water, 100,311# 20/40 sand, 1.03M SCF N2. RIH and set **frac plug @ 4691'**. POOH. RIH & Perf **Lewis** w/.33" diam.- 1SPF @: 4144', 4156', 4160', 4165', 4171', 4184', 4191', 4280', 4282', 4290', 4294', 4298', 4307', 4326', 4348', 4360', 4427', 4484', 4531', 4538'= **20** holes. POOH. RD wireline. Frac Lewis (4144' – 4538'). Broke well w/ 500 gal 15% HCL. Foam Frac w/ 31,920 gals of 70 Q slick water, 100,283# 20/40 sand, 1.05M SCF N2. RIH & set **CBP @ 3970'**. TOOH. SIW. SDFN.

9/20/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. MIRU. ND WH, NU BOP. PT BOP, good test. TIH w/ mill tag CBP. PU. SIW. SDFN.

9/21/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 130. BDW. D/O **CBP @ 3970'**. Tag sand. C/O Well. RIH & D/O **Frac Plug @ 4691'**. C/O well. RIH & D/O **frac plug @ 5309'**. TOOH. SIW. SDFN.

9/22/22 SIBHP- 0, SIICP-0, SITP- 0, SICP – 690. BDW. C/O well. TIH D/O **CBP 5850'**. C/O well. D/O **CIBP @ 7346'**. C/O well. TOOH. LD tbg. SIW. SDFN.

9/23/22 SIBHP- 0, SIICP-0, SITP- 0, SICP – 600. BDW. C/O well. TIH & land 241 jts 2 3/8", 4.7# J-55 **tbg set @ 7534'** with SN @ 7532'. ND BOP. NU WH. PT tbg to 500 psi. Test Good. RDMO.

This well is currently producing as a MV/DK Commingle with Gas Allowable C-104 waiting on RC C-104 approval.



Schematic - Current

Well Name: SAN JUAN 28-6 UNIT #168E

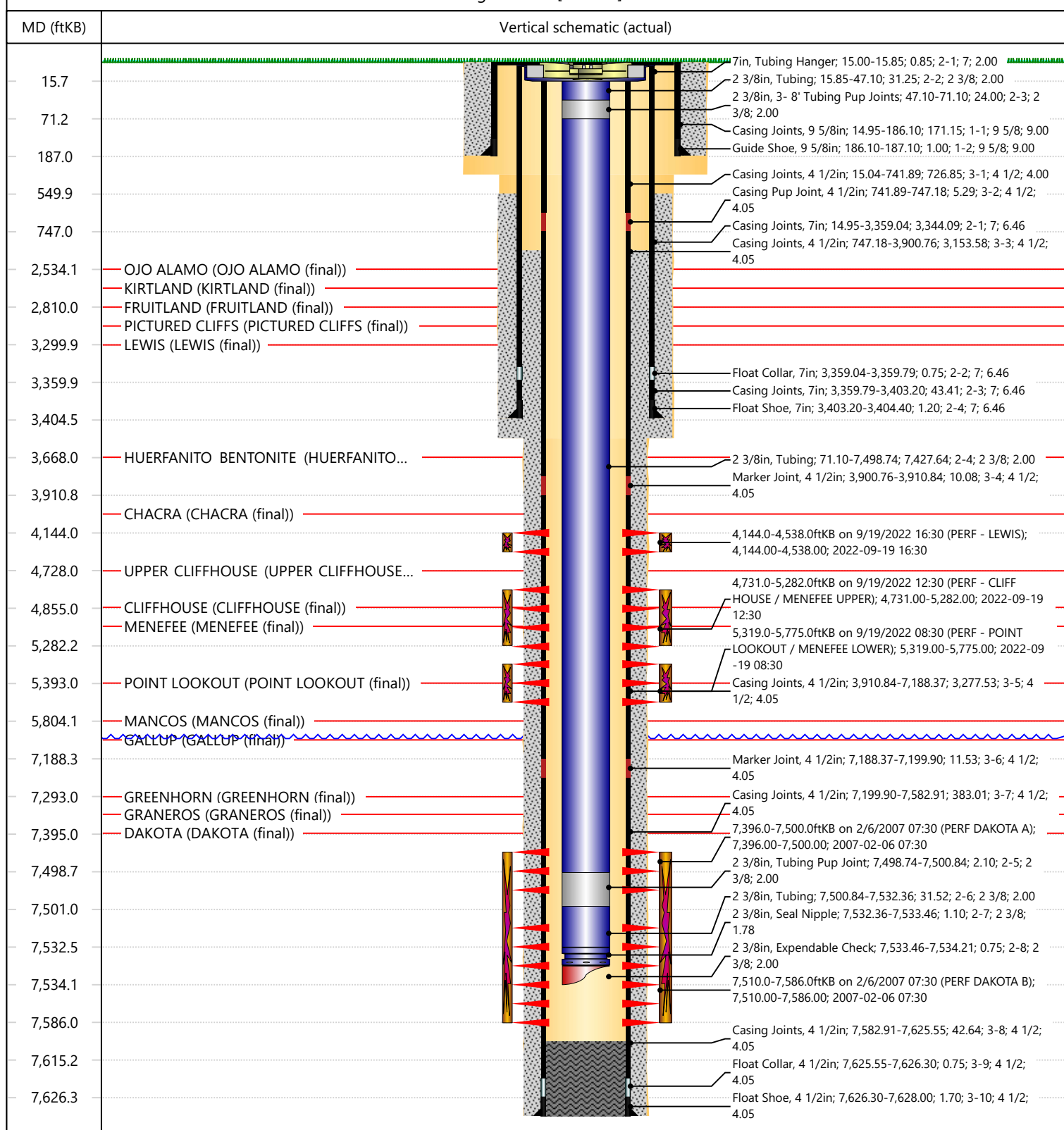
API / UWI 3003930043	Surface Legal Location 014-027N-006W-L	Field Name BASIN DAKOTA (PRORATED GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB/RT Elevation (ft) 6,478.00	KB-Ground Distance (ft) 15.00	Original Spud Date 12/3/2006 18:15	Rig Release Date 12/11/2006 16:30	PBTD (All) (ftKB) Original Hole - 7,615.0	Total Depth All (TVD) (ftKB)

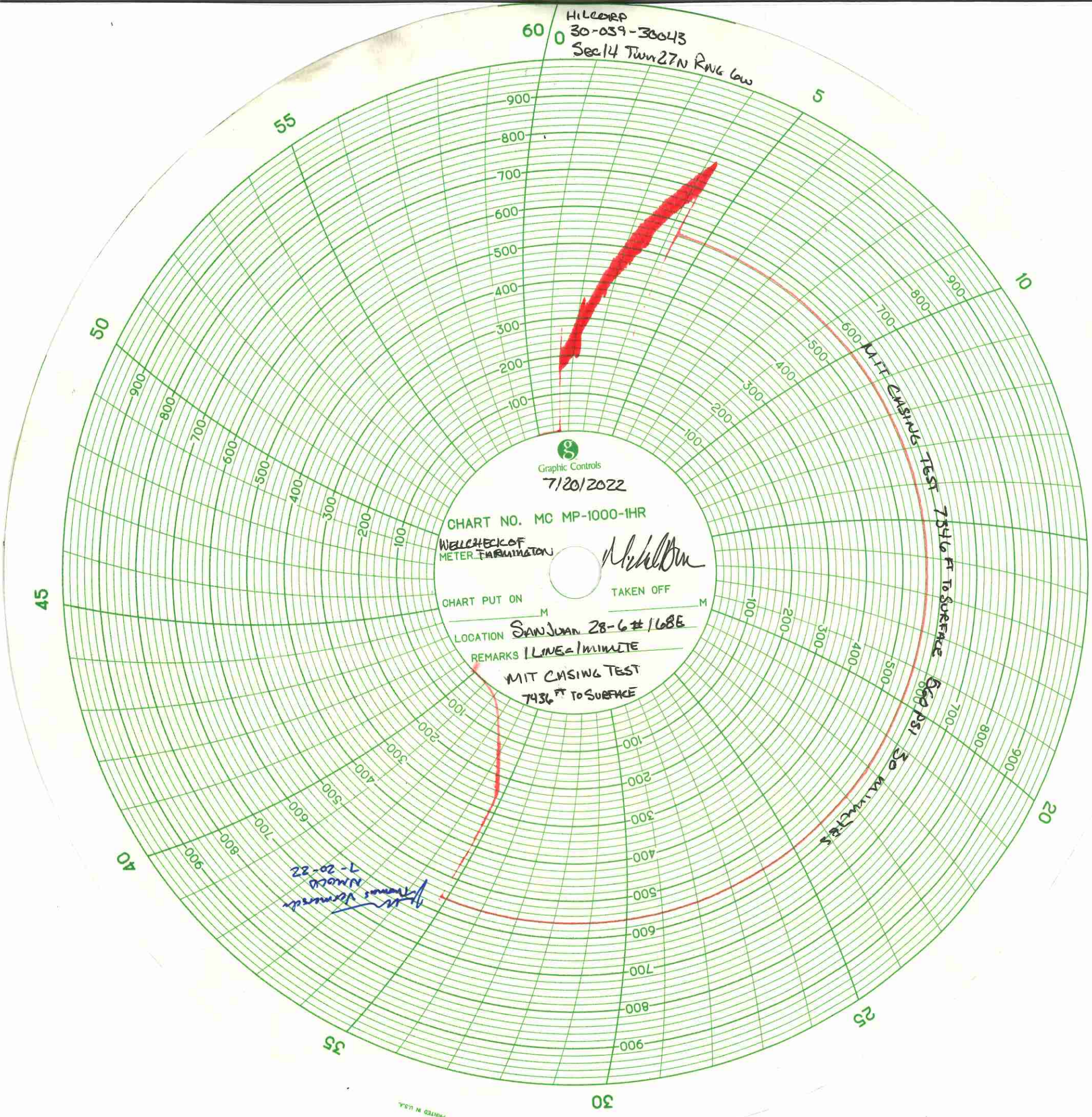
Most Recent Job

Job Category Capital Workover	Primary Job Type RECOMPLETION	Secondary Job Type	Actual Start Date 7/18/2022	End Date 9/24/2022
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TD: 7,628.0

Original Hole [Vertical]





PRINTED IN U.S.A.

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 149260

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 149260
	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 149260

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 149260
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
nmurphy	None	12/14/2022