

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 30-039-23190	⁵ Pool Name Blanco-Mesaverde (Prorated Gas)	
⁶ Pool Code 72319		
⁷ Property Code 318839	⁸ Property Name San Juan 31-6 Unit	⁹ Well Number 45

II. ¹⁰ Surface Location

UI or lot no. B	Section 31	Township 31N	Range 6W	Lot Idn	Feet from the 1120	North/SouthLine North	Feet from the 1850	East/West line East	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 11/12/1983	²² Ready Date 7/1/2022	²³ TD MD 7815'	²⁴ PBTD MD 7780'	²⁵ Perforations 4794'- 5786'	²⁶ DHC, MC DHC-5172
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8", 36#, K-55	534'	275 sx		
8 3/4"	7", 20#, K-55	3477'	210 sx		
6 1/4"	4 1/2", 11.6 & 10.5#, K-55	7805'	360 sx		
	2 3/8", 4.7#, J-55	7629'			

V. Well Test Data

³¹ Date New Oil NA	³² Gas Delivery Date 7/1/22	³³ Test Date 7/1/22	³⁴ Test Length 24hr	³⁵ Tbg. Pressure 880 psi	³⁶ Csg. Pressure 810 psi
³⁷ Choke Size 18/64"	³⁸ Oil 0	³⁹ Water 0 bwpd	⁴⁰ Gas 1254 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: <div>Kandis Roland</div>		OIL CONSERVATION DIVISION Approved by: John Garcia	
Printed name: Kandis Roland		Title: Petroleum Engineer	
Title: Operations Regulatory Tech Sr.		Approval Date: 7/29/2022	
E-mail Address: kroland@hilcorp.com			
Date: 7/15/22	Phone: (713) 757-5246		

Well Name: SAN JUAN 31-6 UNIT	Well Location: T31N / R6W / SEC 31 / NWNE / 36.860321 / -107.501068	County or Parish/State: RIO ARRIBA / NM
Well Number: 45	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078995	Unit or CA Name: SAN JUAN 31-6 UNIT--DK	Unit or CA Number: NMNM78421B
US Well Number: 3003923190	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2682185

Type of Submission: Subsequent Report

Date Sundry Submitted: 07/15/2022

Date Operation Actually Began: 05/23/2022

Type of Action: Recompletion

Time Sundry Submitted: 07:37

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

SR Attachments

- Actual Procedure
- 2022_05_26_11_06_20220715073501.pdf

Current_Schematic_20220715073433.pdf

SJ_31_6_Unit_45_Recomplete_Sundry_20220715073432.pdf

Well Name: SAN JUAN 31-6 UNIT	Well Location: T31N / R6W / SEC 31 / NWNE / 36.860321 / -107.501068	County or Parish/State: RIO ARRIBA / NM
Well Number: 45	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078995	Unit or CA Name: SAN JUAN 31-6 UNIT--DK	Unit or CA Number: NMNM78421B
US Well Number: 3003923190	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: JUL 15, 2022 07:36 AM

Name: HILCORP ENERGY COMPANY

Title: Operation Regulatory Tech

Street Address: 382 Road 3100

City: FarmingtonState: 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: 07/15/2022

Signature: Kenneth Rennick

San Juan 31-6 Unit 45
API # 30-039-23190
Recomplete Subsequent Sundry

5/23/22 SIBHP- 0, SIICP-0, SITP- 60, SICP- 60. MIRU. BWD. ND WH, NU BOP. PT BOP, good test. SIW. SDFN.

5/24/22 SIBHP- 0, SIICP-0, SITP- 720, SICP- 720. BWD. TOOH and scan tbgs. SIW. SDFN

5/25/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 1200. BWD TIH w/ mill to 7608'. TOOH w/ mill. TIH and set **CIBP @ 7570'**. PT csg to 580 psi. Good Test. LD tbgs. SIW. SDFN.

5/26/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. RU wireline. Run CBL from 7570' to surface. TOC @ 3450'. **Submitted CBL to Monica Kuehling/OCD and Kenny Rennick/BLM. Received verbal approval on 6/6/22 to proceed with recomplete.** MIT 570 psi for 30 min witness by Thomas Vermersch, OCD. Good test. TOOH w/ tbgs. RIH & set **CBP @ 5850'**. RD wireline. PT csg to 2500 psi. Good test. SIW. SDFN.

5/31/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. ND BOP, NU WH. PT, good test. RDMO

6/25/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. RU wireline. RIH & Perf **PT Lookout/Lower Menefee** w/.33" diam.- 1SPF @: 5382', 5388', 5400', 5411', 5416', 5430', 5435', 5438', 5446', 5456', 5480', 5485', 5495', 5505', 5514', 5521', 5531', 5541', 5561', 5583', 5600', 5614', 5630', 5681', 5718', 5827', 5777', 5786'= **28** holes. POOH. RD wireline. RU Frac crew. PT Lookout/Lower Menefee (5382' – 5786') Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 43,092 gal of 70 Q slick water, 150,195# 20/40 sand, 1.49M SCF N2. RIH and set **frac plug @ 5360'**. POOH. RIH & perf **Cliffhouse/Upper Menefee** w/.33" diam.- 1-SPF @: 4794', 4823', 4841', 4866', 4883', 4911', 4941', 4954', 4996', 5057', 5091', 5102', 5108', 5137', 5142', 5145', 5162', 5166', 5192', 5201', 5211', 5215', 5222', 5227', 5237', 5265', 5285', 5305', 5312', 5322', 5337', 5350'= **32** holes. POOH. RD wireline. Frac Cliffhouse/Upper Menefee (4794' – 5350') Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 47,670 gal of 70 Q slick water, 149,945# 20/40 sand, 1.39M SCF N2. RIH & set **CBP @ 4605'**. TOOH. SIW. SDFN.

6/26/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 0. MIRU. ND WH, NU BOP. PT BOP, good test. TIH w/ mill and tag plug. SIW. SDFN.

6/27/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 100. BWD. D/O **CBP @ 4605'**. C/O well. TOOH. SIW. SDFN.

6/28/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 1100. BWD. RIH & D/O **Frac Plug @ 5360'**. C/O well. TIH D/O **CBP 5850'**. C/O well. D/O **CIBP @ 7570'**. C/O well. TOOH. LD tbgs. SIW. SDFN.

6/29/22 SIBHP- 0, SIICP-0, SITP- 0, SICP- 1000. BWD. Finish drilling out CIBP. C/O well. TOOH w/ mill. TIH & land 240 jts 2 3/8", 4.7# J-55 **tbgs set @ 7629'** with S-Nipple @ 7627'. ND BOP. NU WH. PT tbgs to 500 psi. Test Good. RDMO.

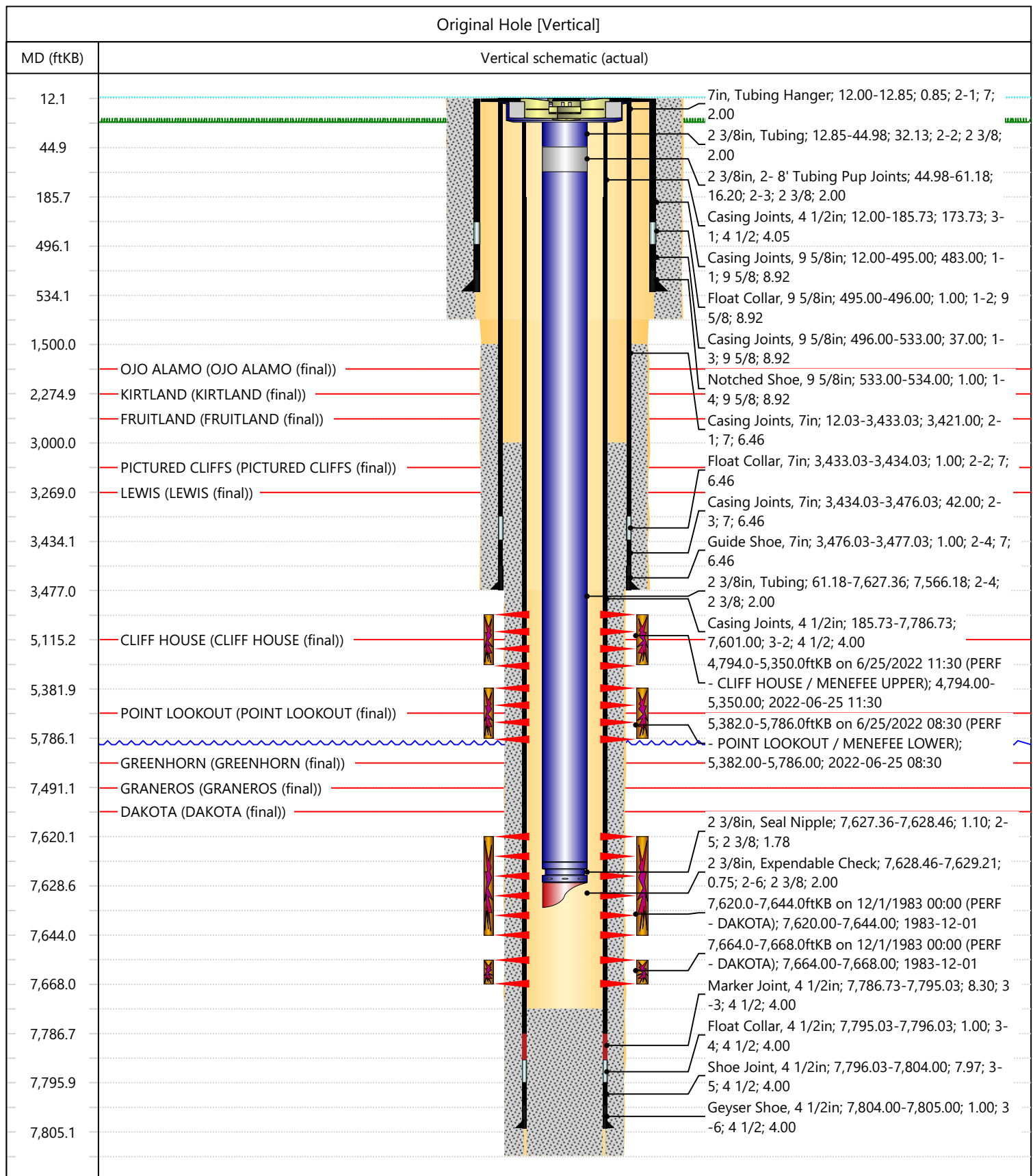
This well is currently producing as a MV/DK Commingle with Gas Allowable C-104 waiting on RC C-104 approval.

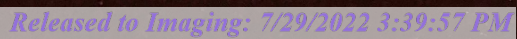


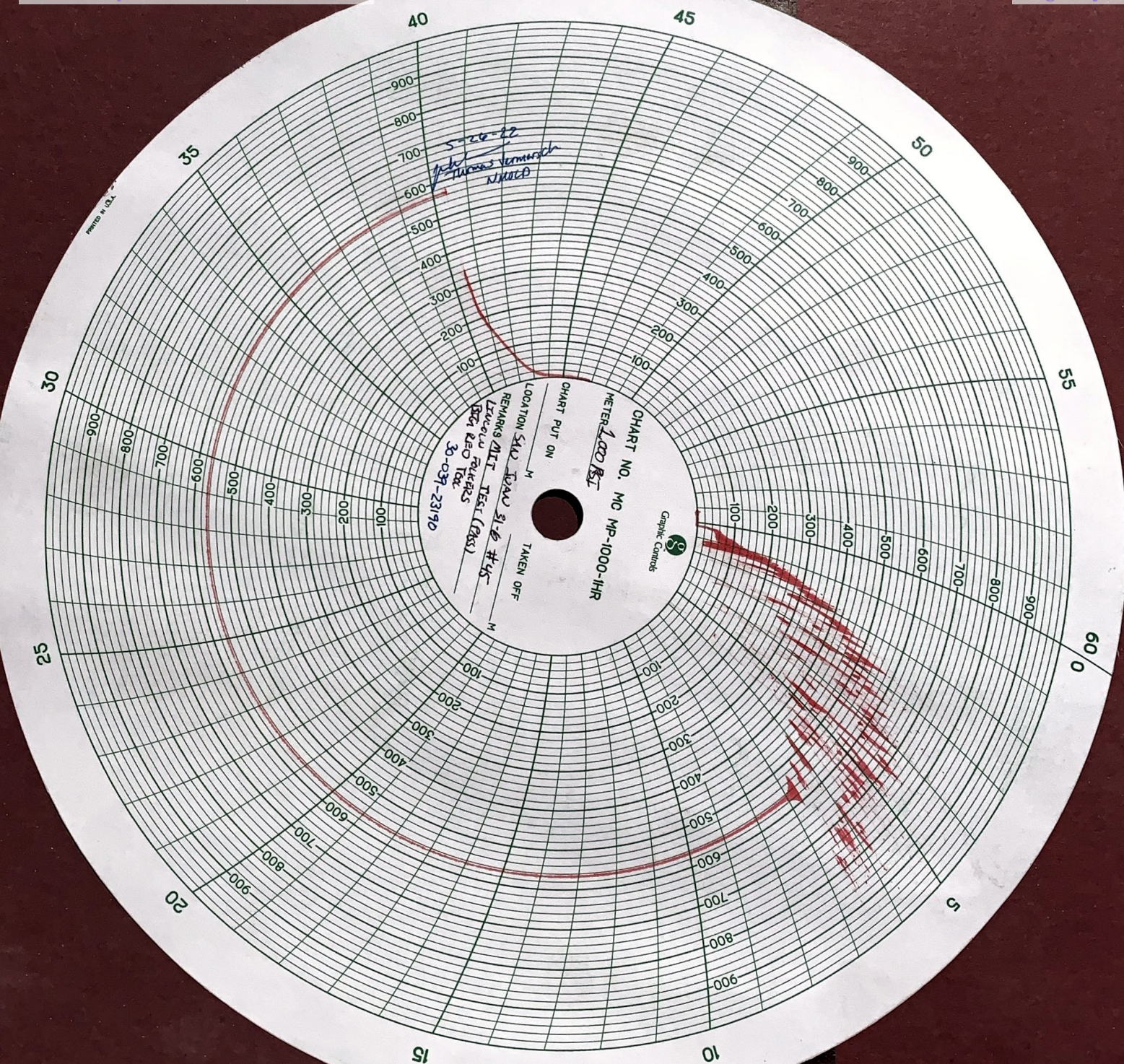
Current Schematic

Well Name: SAN JUAN 31-6 UNIT #45

API / UWI 3003923190	Surface Legal Location 031-031N-006W-B	Field Name DK	Route 1104	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,220.00	Original KB/RT Elevation (ft) 6,233.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	







Kandis Roland

From: blm-afmss-notifications@blm.gov
Sent: Friday, July 15, 2022 5:20 PM
To: Kandis Roland
Subject: [EXTERNAL] Well Name: SAN JUAN 31-6 UNIT, Well Number: 45, Notification of Well Completion Acceptance

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **SAN JUAN 31-6 UNIT**
- Well Number: **45**
- US Well Number: **3003923190**
- Well Completion Report Id: **WCR2022071585355**

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

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.

NMSF078995

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 31-6 Unit

2. Name of Operator

Hilcorp Energy Company

8. Lease Name and Well No.

San Juan 31-6 Unit 453. Address
382 Rd 3100, Aztec NM 874103a. Phone No. (include area code)
(505) 333-1700

9. API Well No.

30-039-23190

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

At surface **Unit B (NWNE), 1120' FNL & 1850' FEL,**

At top prod. Interval reported below

Same as above

At total depth

Same as above14. Date Spudded
11/12/198315. Date T.D. Reached
11/19/198316. Date Completed **7/1/2022**
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
6220'18. Total Depth: **7815'**19. Plug Back T.D.: **7780'**20. Depth Bridge Plug Set: MD
TVD

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

CBL22. 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" K-55	36#	0	534'	n/a	275 sx			
8 3/4"	7" K-55	20#	0	3477'	n/a	210 sx			
6 1/4"	4 1/2" K-55	11.6 & 10.5#	0	7805'	n/a	360 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"	7629'							



25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout/Lower Menefee	5382'	5786'	1 SPF	.33"	28	open
B) Cliffhouse /Upper Menefee	4794'	5350'	1 SPF	.33"	32	open
C)						
D) TOTAL					60	



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

Depth Interval	Amount and Type of Material
5382-5786	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 43,092 gal of 70 Q slick water, 150,195# 20/40 sand, 1.49M SCF N2
4794-5350	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 47,670 gal of 70 Q slick water, 149,945# 20/40 sand, 1.39M 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
7/1/2022	7/1/2022	24		0	1254 mcf	0 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	
18/64"	880 psi	810 psi		0	1254 mcf/d	0 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	2119'	2275'	White, cr-gr ss	Ojo Alamo	2119'
Kirtland	2275'	2807'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2275'
Fruitland	2807'	3035'	Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss.	Fruitland	2807'
Pictured Cliffs	3035'	3269'			3035'
Lewis	3269'	4278'	Shale w/ siltstone stingers	Lewis	3269'
Chacra	4278'	5115'	Gry fn gm silty, glauconitic sd stone w/ drk gry shale	Chacra	4278'
Cliffhouse	5115'	5150'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5115'
Menefee	5150'	5395'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5150'
Point Lookout	5395'	6189'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5395'
Mancos	6189'	6710'	Dark gry carb sh.	Mancos	6189'
Gallup	6710'	7438'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6710'
Greenhorn	7438'	7491'	Highly calc gry sh w/ thin lmst.	Greenhorn	7438'
Graneros	7491'	7613'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7491'
Dakota	7613'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7613'
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 5172. MV PA - NMNM078411A

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 7/15/2022

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.

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 126562

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 126562
	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 126562

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 126562
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	7/29/2022