

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 30-039-06781	⁵ Pool Name Blanco Mesaverde	⁶ Pool Code 72319
⁷ Property Code 319210	⁸ Property Name San Juan 27-4 Unit	⁹ Well Number 37

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
N	33	27N	04W		990	South	1550	West	Rio Arriba

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 8/5/1965	²² Ready Date 6/30/2023	²³ TD 8461'	²⁴ PBTB 8342'	²⁵ Perforations 5510-6477'	²⁶ DHC, MC DHC-5202
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
15"	10 3/4", 32.7#, H-10	312'	250 sx		
9 7/8"	7 5/8", 26#, K-55	4201'	200 cf		
6 1/4"	5 1/2", 17 & 15.5#, N-80 & K-55	8074'	450 cf		
4 3/4"	4", 11.6#, J-55 Liner	7983' - 8461'	50 cf		
	2 3/8", 4.7#, J-55	8243'			

V. Well Test Data

³¹ Date New Oil N/A	³² Gas Delivery Date 6/30/2023	³³ Test Date 6/30/2023	³⁴ Test Length 4	³⁵ Tbg. Pressure 370 PSI	³⁶ Csg. Pressure 200 PSI
³⁷ Choke Size 21/64"	³⁸ Oil 0 bbl	³⁹ Water 0 bbl	⁴⁰ Gas 76 mcf		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: Printed name: Title: E-mail Address: Date:	OIL CONSERVATION DIVISION Approved by: Sarah McGrath
	Title: Petroleum Specialist - A
	Approval Date: 07/31/2023
	Phone: 713-289-2615
	Date: 07/21/2023

Well Name: SAN JUAN 27-4 UNIT	Well Location: T27N / R4W / SEC 33 / SESW / 36.525375 / -107.259338	County or Parish/State: RIO ARRIBA / NM
Well Number: 37	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080675	Unit or CA Name: SAN JUAN 27-4 UNIT--DK, SAN JUAN 27-4 UNIT--MV	Unit or CA Number: NMNM78408A, NMNM78408B
US Well Number: 3003906781	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2743444

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 07/31/2023

Time Sundry Submitted: 08:52

Date Operation Actually Began: 04/20/2023

Actual Procedure: Record Cleanup: Please see revised recompletion sundry report attached.

SR Attachments

Actual Procedure

SJ_27_4_Unit_37_REV_RC_Sundry_20230731085158.pdf

Well Name: SAN JUAN 27-4 UNIT

Well Location: T27N / R4W / SEC 33 /
SESW / 36.525375 / -107.259338

County or Parish/State: RIO
ARRIBA / NM

Well Number: 37

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF080675

Unit or CA Name: SAN JUAN 27-4
UNIT--DK, SAN JUAN 27-4 UNIT--MV

Unit or CA Number:
NMNM78408A, NMNM78408B

US Well Number: 3003906781

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: CHERYLENE WESTON

Signed on: JUL 31, 2023 08:52 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Tech - Sr

Street Address: 1111 TRAVIS STREET

City: HOUSTON

State: TX

Phone: (713) 289-2615

Email address: cweston@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: 07/31/2023

Signature: Kenneth Rennick

SAN JUAN 27-4 UNIT 37

30-039-06781

RECOMPLETION SUNDRY

4/20/2023 SITP- 137 PSI. SICP- 137 PSI. MIRU, ND WH, NU BOPE, TEST BOP, PULL TBG HANGER. RDMO.

4/21/2023 SITP-125 PSI. SICP-150 PSI. SIICP-0 PSI. SIBHP-0 PSI. MIRU SCANNER. SCAN TBG. TOOH 270 JTS. RDMO. M/U 4.75" MILL/SCRAPER. TIH TO 7,660' (TOP GALLUP PERF @ 7,665'). TOH. SISW. SDFW.

4/24/2023 SICP-175 PSI. SIICP-0 PSI. SIBHP-0 PSI. MIRU BASIN. RIH 4.40" GR TO 7,665'. SET **5 1/2" CBP @ 7,615'** WLM. LOAD CSG W/ 170 BBLS WTR. **RUN GR/CBL/CCL ON 5 1/2" CSG 7,615' TO SURFACE.** RD. TIH W/ 2 3/8" TBG TO 3,076'. BEGIN CIRC WELL. SD DUE TO LIGHTNING/HAIL. SWSW.

4/25/2023 SITP-0 PSI. SICP-0 PSI. SIICP-0 PSI. SIBHP-0 PSI. RU PUMP & CIRC CSG W/70 BBLS WTR. TEST 5 1/2" CSG TO 625 PSI/30 MINS. TEST GOOD. MIRU WELLCHECK SERVICES. **CONDUCT MIT TO 580 PSI X 30 MIN, TEST GOOD. MIT WITNESSED VIA FACE TIME BY MONICA KUEHLING WITH NMOCD.** RU BASIN. SET **5 1/2" CBP @ 6,580'** WLM. CONDUCT 5 1/2" CSG TEST TO 2,000 PSI/10 MINS. TEST GOOD. RD FLOOR, ND BOP. MIRU BIG RED SRVCS, ND TBG HEAD, STUB UP 5 1/2" CSG. INSTALLED 5K TBG HEAD. TEST VOID SEAL, GOOD. TEST 5 1/2" CSG TO 4,000 PSI/30 MINS. TESTED GOOD. NU BOP. RDMO BIG RED SRVCS & WELLCHECK. SISW. SDFN.

4/26/2023 SICP-0 PSI. SIICP-0 PSI. SIBHP-0 PSI. RU FLOOR. TIH W/ 2 3/8" TBG, TOH, LD TBG. LD 262 JTS. LOAD 5 1/2" X 7 5/8" CSG ANNULUS W/20 BBLS KCL WTR. RD FLOOR. ND BOP. NU TREE. SISW. RD. W/O FRAC.

5/31/2023 N/D TREE, N/U 7" X 5K FRAC STACK, TEST STACK AND CASING TO 4,000 PSI X 15 MINUTES.

6/22/2023 RIG UP BASIN WL. **PERF PT LOOKOUT/LOWER MENELEE**) W/0.33" DIA, SELECT FIRE 1 SPF @ 5510, 5557, 5610, 5623, 5632, 5645, 5652, 5670, 5677M 5694, 5702, 5723, 5736, 5741, 5746, 5770, 5790, 5811, 5827, 5849, 5874, 5902 & 5938' (22 HOLES TOTAL). RU FRAC. **FRAC STAGE 1:** BDW W/WATER & 500 GAL 15% HCL. FRAC W/ 125,145 LBS 20/40 SAND, 47,040 GAL SLICKWATER, 1.67M SCF N2 70 Q. SET **PLUG @ 5,960'**. **PERF CLIFFHOUSE/UPPER MENELEE** W/0.33" DIA, SELECT FIRE 1 SPF @ 5996, 6011, 6037, 6056, 6117, 6125, 6140, 6166, 6184, 6192, 6210, 6226, 6238, 6251, 6300, 6315, 6331, 6351, 6380, 6420, 6458 & 6477' (23 HOLES TOTAL). **FRAC STAGE 2:** BDW W/ WATER & 500 GAL 15% HCL. FRAC W/ 125,239 LBS 20/40 SAND, 46,326 GAL SLICKWATER, 1.58M SCF N2 70 QUALITY. SET **CBP @ 5,322'**. SISW. RDMO. **TOTAL FRAC LOAD=2247 BBLS (INCL 24 BBLS ACID). TOTAL SAND=250,384 LBS. TOTAL N2 = 3.25M SCF.**

6/24/2023 SICP-0 PSI. SIICP-0 PSI. SIBHP-0 PSI. MIRU BIG RED. ND FRAC STACK. INSTALL TEST HANGER. NU FLOW/MUD SPOOL & BOP. TEST BOP, GOOD. TIH W/4.75" MILL TO 2,650'. UNLOAD 45 BBLS FLUID. SISW. SDFN.

6/25/2023 SITP-0 PSI (FLOAT), SICP-600 PSI, SIICP-0 PSI, SIBHP-0 PSI. CONT TIH. TAG 1ST CBP @ 5,950' (WAS TO BE @ 5,322'). CBP FELL TO ABOVE 2ND CBP @ 5,960'. RU PWR SWIVEL. START AIR @ 1,300 CFM W/ 10-15 BPH MIST. **DO 1ST CBP @ 5,950'**, CONT TO 2ND CBP @ 5,960'. **DO 2ND CBP @ 5,960'**. CIRC CLEAN. SISW. SDFN.

6/26/2023 SITP-0 PSI (FLOAT). SICP-700 PSI. SIICP-0 PSI. SIBHP-0 PSI. UNLOADED 80 BBLS WTR. TIH, TAG FILL @ 6,410' (3RD CBP @ 6,580'). RU PWR SWIVEL/AIR UNIT @ 1,300 CFM W/ 10-15 BPH MIST. **DO 3RD CBP. DO 3RD CBP @ 6,580'**. CIRC CLEAN. SISW. SDFN.

6/27/2023 SICP-600 PSI. SIICP-0 PSI. SIBHP-0 PSI. UNLOAD 40 BBLS WTR. TAG FILL@ 7,575' (4TH CBP @ 7,615'). RU PWR SWIVEL/ AIR @ 1,300 CFM W/ 10-15 BPH MIST. CO TO 4TH CBP. **DO CBP @ 7,615'**. CIRC CLEAN. TAG FILL @ LINER TOP @ 7,983'. CIRC CLEAN ABOVE LINER TOP. SD AIR/MIST. TOOH TO 4,247'. SISW. SDFN.

6/28/2023 SITP-0 PSI (FLOAT). SICP-600 PSI. SIICP-0 PSI. SIBHP-0 PSI. UNLOAD 20 BBLS WTR. TAG LINER TOP @ 7,983'. RU PWR SWIVEL/AIR @ 1,300 CFM W/ 10-15 BPH MIST. CO TO **PBTD 8,342'**. CIRC CLEAN. SISW. SDFN.

6/29/2023 SITP-0 PSI (FLOAT). SICP-550 PSI. SIICP-0 PSI. SIBHP-0 PSI. UNLOAD 10 BBLS WTR. TIH W/ MILL, THRU LINER TOP W/NO ISSUES, TO 8,332'. NO NEW FILL. TOOH. TIH, PROD TBG BHA & DRIFT TOOLS. LAND # JTS 2 3/8" **TUBING @ 8,243'** (SN @ 8241'). ND BOP, NU WH. PUMP 5 BBLS WATER W/ 5 GAL CORROSION INH. DROP EXP CHK BALL & TEST TBG TO 500 PSI. TEST GOOD. RDRR @ 2000 HRS.

THE WELL IS PRODUCING AS A MV/DK/GL TRIMMINGLE ON DHC-5202 WITH GAS ALLOWABLE WAITING ON RC-C104 APPROVAL.

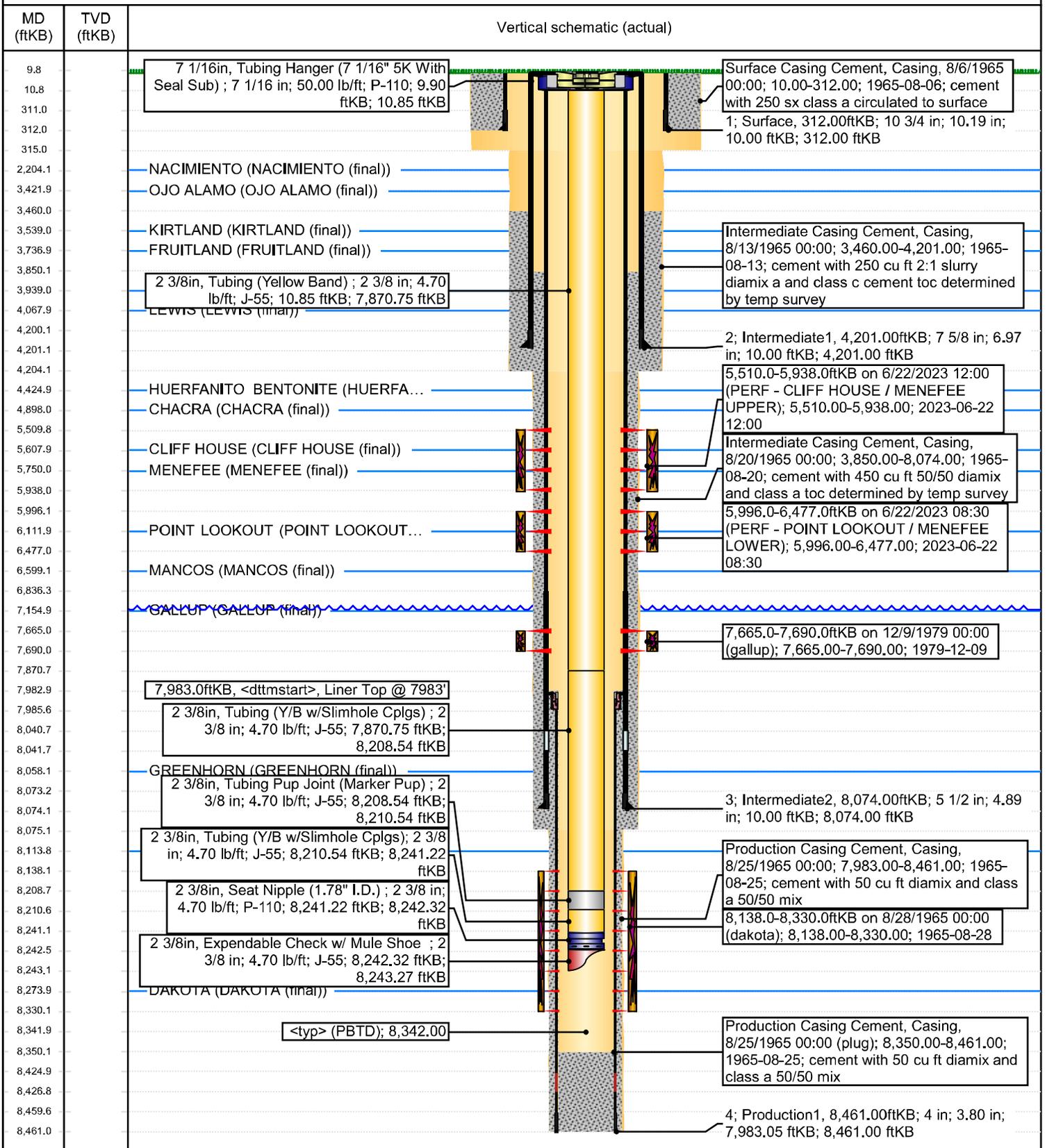


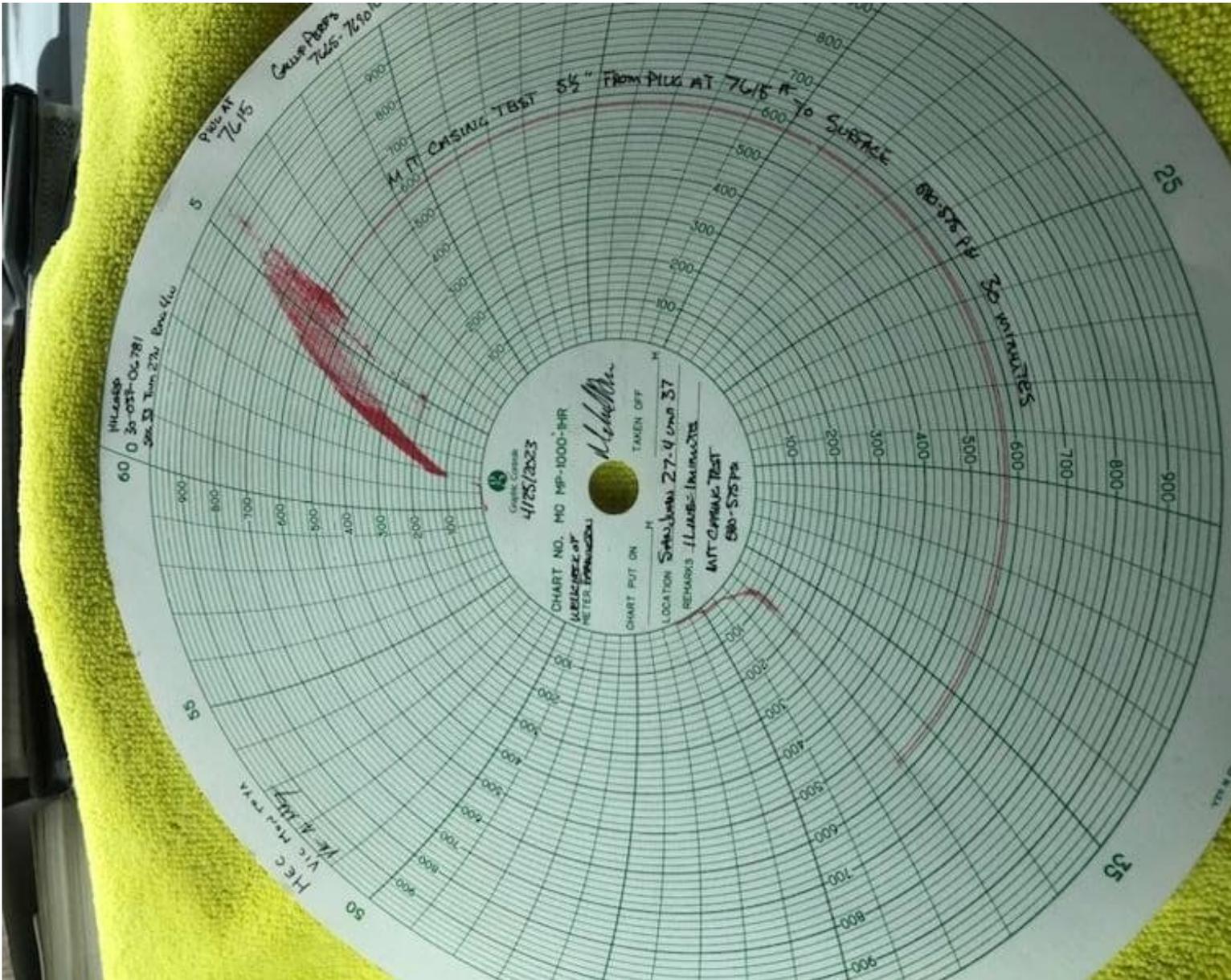
Current Schematic - Version 3

Well Name: **SAN JUAN 27-4 UNIT #37**

API / UWI 3003906781	Surface Legal Location 033-027N-004W-N	Field Name BS MESA GALLUP (GAS)	Route 1412	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 7,131.00	Original KB/RT Elevation (ft) 7,141.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole





Cheryl Weston

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Friday, April 28, 2023 3:13 PM
To: Rennick, Kenneth G; Kandis Roland
Cc: Eliza Ann Moehlman; Scott Matthews; Ray Brandhurst; Bennett Vaughn; Brett Houston; James Osborn; Ben Hampton; Mandi Walker
Subject: RE: [EXTERNAL] San Juan 27-4 Unit 37 (30-039-06781) - CBL

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NMOCD approval is given to recomplete through perforations from 5500 to 6500.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Tuesday, April 25, 2023 1:54 PM
To: Kandis Roland <kroland@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Ray Brandhurst <rbrandhurst@hilcorp.com>; Bennett Vaughn <Bennett.Vaughn@hilcorp.com>; Brett Houston <Brett.Houston@hilcorp.com>; James Osborn <josborn@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>
Subject: Re: [EXTERNAL] San Juan 27-4 Unit 37 (30-039-06781) - CBL

The BLM finds the proposed perforation appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: Kandis Roland <kroland@hilcorp.com>
Sent: Tuesday, April 25, 2023 8:31 AM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrn.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>
Cc: Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Ray Brandhurst <brandhurst@hilcorp.com>; Bennett Vaughn <Bennett.Vaughn@hilcorp.com>; Brett Houston <Brett.Houston@hilcorp.com>; James Osborn <josborn@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; Kandis Roland <kroland@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>
Subject: [EXTERNAL] San Juan 27-4 Unit 37 (30-039-06781) - CBL

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Kenny/Monica,

Attached is the CBL that was ran during the recomplete wellbore prep for the subject well. Hilcorp is requesting permission to move forward with the recomplete as outlined in the approved NOI (MV Perf range: 5500' – 6500'), see link below. Please let me know if you need any additional information.

https://ocdimage.emnrd.nm.gov/Imaging/FileStore/aztec/wf/320381/30039067810000_38_wf.pdf

Thanks,

Kandis Roland
HILCORP ENERGY
San Juan East/South Regulatory
713.757.5246
kroland@hilcorp.com

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Cheryl Weston

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Friday, April 21, 2023 3:59 PM
To: Eliza Ann Moehlman; Kandis Roland; Kenneth (Kenny) (krennick@blm.gov)
Cc: Mandi Walker; Ben Hampton; James Osborn
Subject: RE: [EXTERNAL] FW: San Juan 27-4 Unit 37 (30-039-06781) NOI amendment request

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Thank you – please add this to subsequent – Monica

From: Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>
Sent: Friday, April 21, 2023 12:37 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kandis Roland <kroland@hilcorp.com>; Kenneth (Kenny) (krennick@blm.gov) <krennick@blm.gov>
Cc: Mandi Walker <mwalker@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; James Osborn <josborn@hilcorp.com>
Subject: RE: [EXTERNAL] FW: San Juan 27-4 Unit 37 (30-039-06781) NOI amendment request

Good afternoon, Monica,

Thank you for your response yesterday. I just wanted to inform you that we will not be putting 20 feet of cement on top of the composite plug as previously mentioned.

We are still going to proceed with your approved switch from CIBP to a composite plug positioned at the same spot +/- 7615.

Thank you
Eliza Ann Moehlman

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Thursday, April 20, 2023 3:17 PM
To: Kandis Roland <kroland@hilcorp.com>; Kenneth (Kenny) (krennick@blm.gov) <krennick@blm.gov>
Cc: Mandi Walker <mwalker@hilcorp.com>; Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; James Osborn <josborn@hilcorp.com>
Subject: RE: [EXTERNAL] FW: San Juan 27-4 Unit 37 (30-039-06781) NOI amendment request

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

NMOCD approves the switch from a cibp to a composite plug positioned in the same spot +/- 7615 from original NOI with prior approval from the BLM

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector

New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Kandis Roland <kroland@hilcorp.com>
Sent: Thursday, April 20, 2023 1:59 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kenneth (Kenny) (<krennick@blm.gov>
<krennick@blm.gov>
Cc: Mandi Walker <mwalker@hilcorp.com>; Kandis Roland <kroland@hilcorp.com>; Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; James Osborn <josborn@hilcorp.com>
Subject: [EXTERNAL] FW: San Juan 27-4 Unit 37 (30-039-06781) NOI amendment request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Monica/Kenny,

Please see request below.

Thanks,

Kandis Roland
HILCORP ENERGY
San Juan East/South Regulatory
713.757.5246
kroland@hilcorp.com

From: Eliza Ann Moehlman <Eliza.Ann.Moehlman@hilcorp.com>
Sent: Thursday, April 20, 2023 2:55 PM
To: Kandis Roland <kroland@hilcorp.com>
Subject: San Juan 27-4 Unit 37 NOI amendment request

Kandis,

Please see below summary of our proposed modifications to the San Juan 27-4 Unit 37:

Hilcorp proposes to set a 5.5" composite bridge plug 50' above the producing Gallup formation (~7615'). Then we will put 20 feet of cement on top of the plug. This in lieu of the Cast Iron Bridge Plug. Hilcorp proposes this change in order to protect the 4" liner top at 7983' when drilling out plugs after fracking the Mesa Verde. A composite bridge plug is easier to drill and will not damage the liner top.

Thank you,

Eliza Ann Moehlman

Operations Engineer – San Juan East
Hilcorp Energy Company
1111 Travis
Houston, TX 77002
Eliza.ann.moehlman@hilcorp.com
(346)237-2131 (office)

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SAN JUAN 27-4 UNIT 37 – COMPLETION REPORT APPROVED BY BLM

GLITCH IN AFMSS SYSTEM THAT DID NOT GENERATE AN APPROVAL EMAIL.

Operator Archived Well Completion Report Processes Quick Search

WCR ID	BLM Office	Operator	Well Name	Well Number	US Well Number	Status	Date Accepted	Initiator Name
						Accept	From: mm/dd/yyyy	c
							To: mm/dd/yyyy	
88763	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	37	3003906781	ACCEPTED	2023-07-20 23:39	CHERYLENE WESTON
88758	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	57	3003920383	ACCEPTED	2023-07-20 23:18	CHERYLENE WESTON
88751	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	59	3003920369	ACCEPTED	2023-07-20 21:23	CHERYLENE WESTON

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No. **NMSF080675**

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 37**

3. Address **382 Rd 3100, Aztec NM 87410**

3a. Phone No. (include area code) **(505) 333-1700**

9. API Well No. **30-039-06781**

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

10. Field and Pool or Exploratory **Blanco Mesaverde**

At surface **Unit N (SESW), 990' FSL & 1550' FWL**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 33, T27N, R4W**

At top prod. Interval reported below **Same as above**

12. County or Parish **Rio Arriba** 13. State **New Mexico**

At total depth **Same as above**

14. Date Spudded **8/5/1965**

15. Date T.D. Reached **8/20/1965**

16. Date Completed **6/30/2023**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **7131'**

18. Total Depth: **8461'**

19. Plug Back T.D.: **8342'**

20. Depth Bridge Plug Set: **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
15	10 3/4" H-10	32.7#	0	312'	n/a	250 sx			
9 7/8"	7 5/8" K-55	26#	0	4201'	n/a	200 cf			
6 1/4"	5-1/2"N80,K55	17#,15#	0	8074'	n/a	450 cf			
4 3/4"	4" J-55 liner	11.6#	7983'	8461'	n/a	50 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"	8243'							

25. Producing Intervals

Formation	Top	Bottom
A) Cliffhouse /Upper Menefee	5510'	5938'
B) Point Lookout/Lower Menefee	5996'	6477'
C)		
D) TOTAL		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
1 SPF	.33"	23	open
1 SPF	.33"	22	open
		45	

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

Depth Interval	Amount and Type of Material
5510-5938	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 46,326 gal 70 Q slick water, 125,239# 20/40 sand, 1.58M SCF N2
5996-6477	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 47,040 gal 70 Q slick water, 125,145# 20/40 sand, 1.67M 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
6/30/2023	6/30/2023	4	➔	0	76 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	
21/64"	370 psi	200 psi	➔	0	76 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	3422'	3539'	White, cr-gr ss	Ojo Alamo	3422'
Kirtland	3539'	3737'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3539'
Fruitland	3737'	3939'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3737'
Pictured Cliffs	3939'	4086'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	3939'
Lewis	4086'	4898'	Shale w/ siltstone stringers	Lewis	4086'
Chacra	4898'	5500'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4898'
Cliffhouse	5500'	5750'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5500'
Menefee	5750'	5995'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5750'
Point Lookout	5995'	6599'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5995'
Mancos	6599'	7155'	Dark gry carb sh.	Mancos	6599'
Gallup	7155'	8113'	Lt. gry to brn calc carb micac gluaac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	7155'
Greenhorn	8113'	'	Highly calc gry sh w/ thin lmst.	Greenhorn	8113'
Graneros		8273'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	'
Dakota	8273'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	8273'

32. Additional remarks (include plugging procedure):

This well is currently producing as a MV/GL/DK trimmingle per DHC-5202. 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) Cherylene Weston Title Operations/Regulatory Tech-Sr.
 Signature Cherylene Weston Date 7/18/2023

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.

SAN JUAN 27-4 UNIT 37 – COMPLETION REPORT APPROVED BY BLM

GLITCH IN AFMSS SYSTEM THAT DID NOT GENERATE AN APPROVAL EMAIL.

Operator Archived Well Completion Report Processes Quick Search

WCR ID	BLM Office	Operator	Well Name	Well Number	US Well Number	Status	Date Accepted	Initiator Name
						Accept	From: <input type="text" value="mm/dd/yyyy"/>	c
							To: <input type="text" value="mm/dd/yyyy"/>	
88763	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	37	3003906781	ACCEPTED	2023-07-20 23:39	CHERYLENE WESTON
88758	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	57	3003920383	ACCEPTED	2023-07-20 23:18	CHERYLENE WESTON
88751	Farmington	HILCORP ENERGY COMPANY	SAN JUAN 27-4 UNIT	59	3003920369	ACCEPTED	2023-07-20 21:23	CHERYLENE WESTON

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,
 Other: RECOMPLETE

5. Lease Serial No.
NMSF080675

2. Name of Operator
Hilcorp Energy Company

6. If Indian, Allottee or Tribe Name

3. Address **382 Rd 3100, Aztec NM 87410** 3a. Phone No. (include area code) **(505) 333-1700**

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Unit N (SESW), 990' FSL & 1550' FWL**

8. Lease Name and Well No.
San Juan 27-4 Unit 37

At top prod. Interval reported below **Same as above**

9. API Well No.
30-039-06781

At total depth **Same as above**

10. Field and Pool or Exploratory
Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area
Sec. 33, T27N, R4W

12. County or Parish **Rio Arriba** 13. State **New Mexico**

14. Date Spudded **8/5/1965** 15. Date T.D. Reached **8/20/1965** 16. Date Completed **6/30/2023**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
7131'

18. Total Depth: **8461'** 19. Plug Back T.D.: **8342'** 20. Depth Bridge Plug Set: 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
15	10 3/4" H-10	32.7#	0	312'	n/a	250 sx			
9 7/8"	7 5/8" K-55	26#	0	4201'	n/a	200 cf			
6 1/4"	5-1/2"N80,K55	17#,15#	0	8074'	n/a	450 cf			
4 3/4"	4" J-55 liner	11.6#	7983'	8461'	n/a	50 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"	8243'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cliffhouse /Upper Menefee	5510'	5938'	1 SPF	.33"	23	open
B) Point Lookout/Lower Menefee	5996'	6477'	1 SPF	.33"	22	open
C)						
D) TOTAL					45	

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5510-5938	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 46,326 gal 70 Q slick water, 125,239# 20/40 sand, 1.58M SCF N2
5996-6477	Broke well w/ H2O & 500 gal 15% HCL. Foam Frac w/ 47,040 gal 70 Q slick water, 125,145# 20/40 sand, 1.67M 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
6/30/2023	6/30/2023	4	➔	0	76 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	
21/64"	370 psi	200 psi	➔	0	76 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.

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Fruitland	3737'	3939'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3737'
Pictured Cliffs	3939'	4086'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	3939'
Lewis	4086'	4898'	Shale w/ siltstone stringers	Lewis	4086'
Chacra	4898'	5500'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4898'
Cliffhouse	5500'	5750'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5500'
Menefee	5750'	5995'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5750'
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Mancos	6599'	7155'	Dark gry carb sh.	Mancos	6599'
Gallup	7155'	8113'	Lt. gry to brn calc carb micac gluaac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	7155'
Greenhorn	8113'	'	Highly calc gry sh w/ thin lmst.	Greenhorn	8113'
Graneros		8273'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	'
Dakota	8273'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	8273'

32. Additional remarks (include plugging procedure):

This well is currently producing as a MV/GL/DK trimmingle per DHC-5202. MV PA - NMNM078408A.

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

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 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) Cherylene Weston Title Operations/Regulatory Tech-Sr.
 Signature Cherylene Weston Date 7/18/2023

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.

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 246023

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 246023
	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 246023

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 246023
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	7/31/2023