

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 30-045-21635	⁵ Pool Name Basin Fruitland Coal		⁶ Pool Code 71629
⁷ Property Code 318563	⁸ Property Name Howell C		⁹ Well Number 2A

II. ¹⁰ Surface Location

Ul or lot no. J	Section 3	Township 29N	Range 08W	Lot Idn	Feet from the 1535	North/South Line South	Feet from the 1550	East/West Line East	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 1/10/1975	²² Ready Date 8/29/2023	²³ TD 5521'	²⁴ PBTD 5486'	²⁵ Perforations 2755'-2950'	²⁶ DHC, MC DHC-5315
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
13 3/4"		9 5/8", 32.3#, H-40		224 cf	
8 3/4"		7", 20#, J-55		305 cf	
		4 1/2", 10.5#, J-55 Liner		419 cf	
		2 3/8", 4.7#, J-55		5304'	

V. Well Test Data

³¹ Date New Oil N/A	³² Gas Delivery Date 8/29/2023	³³ Test Date 8/29/2023	³⁴ Test Length 4 hrs	³⁵ Tbg. Pressure 100 psi	³⁶ Csg. Pressure 95 psi
³⁷ Choke Size 44/64"	³⁸ Oil 0 bbl	³⁹ Water 0 bbl	⁴⁰ Gas 8 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: Cherylene Weston			OIL CONSERVATION DIVISION		
Printed name: Cherylene Weston			Approved by: PATRICIA MARTINEZ		
Title: Operations Regulatory Tech Sr.			Title: PETROLEUM SPECIALIST		
E-mail Address: cweston@hilcorp.com			Approval Date: 9/25/2023		
Date: 09/13/2023		Phone: 713-289-2615			

Well Name: HOWELL C	Well Location: T29N / R8W / SEC 3 / NWSE / 36.750992 / -107.658707	County or Parish/State: SAN JUAN / NM
Well Number: 2A	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078596	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004521635	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2750532

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 09/11/2023

Time Sundry Submitted: 02:11

Date Operation Actually Began: 08/09/2023

Actual Procedure: Hilcorp Energy recompleted the subject well in the Fruitland Coal. Please see attached reports.

SR Attachments

Actual Procedure

Howell_C_2A_RC_Subsequent_Sundry_20230911141034.pdf

Well Name: HOWELL C

Well Location: T29N / R8W / SEC 3 /
NWSE / 36.750992 / -107.658707

County or Parish/State: SAN
JUAN / NM

Well Number: 2A

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF078596

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004521635

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: SEP 11, 2023 02:10 PM

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: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted

Disposition Date: 09/12/2023

Signature: Matthew Kade

Howell C 2A

API: 3004521635

RC Subsequent Sundry

8/9/2023 MIRU. SITP-5, SICP-49 BH-0. BDW. ND WH, NU BOP. MIRU TUBOSCOPE. PULL TBG HNGR. TAG FILL. TOH SCAN TBG. RD TUBOSCOPE. TAG FILL @ 5483'. PBTD @ 5486'. TIH W/MILL TO 2900'. SISW. SDFN.

8/10/2023 PJSM. SITP-0, SICP-55, BH-0. BDW. RIH W/MILL TO 4650'. TOH. RIH, SET 4 1/2" CIBP @ 4600'. LOAD HOLE 4600' TO 3000'. TOH. RIH W/7" SCRAPER, TAG TOL @ 3111'. TOH. RIH, SET PKR ABOVE LINER TOP. TEST LINER TOP & CSG 3096'-4600'. PULL INTO PKR FEW TIMES, LOST 4-5 PSI PER MIN. AFTER WORKING IT LOST <1 PSI/MIN

8/11/2023 PJSM. SITP-0, SICP-40, BH-0. BDW. RU WILSON. RUN MIT FROM 3096' TO 4600', WITNESSED BY CLARENCE SMITH, NMOCD. GOOD TEST. RD WILSON. REL PKR. TOH. RU WL. RIH, SET 7" CBP @ 3010'. RDWL. TIH TO 3007'. ROLL HOLE W/FW & BIOCID. DID NOT LOAD. PUMP 200 BBLS, CO RETURNS. SD PUMP. DECISION MADE NOT TO RUN CCL. RD WL. SISW. SDFW.

8/14/2023 PJSM. SITP-0, SICP-0, BH-0. BDW. RIH, SET 7" PKR ABOVE CBP. PUMPED 18 BBLS, UNABLE TO LOAD. MOVED PKR UPHOLE 10'. PT 7" CSG 600 PSI, GOOD TEST. TOH, SET 7" CBP @ 2996'. RDWL. TIH, ROLL HOLE. UNABLE TO GET GOOD TEST, LEAKING OFF. TOH. RIH, SET PKR @ 2995'. PT CSG 620 PSI, GOOD TEST. LEFT PKR. SISW. SDFN.

8/15/2023 PJSM. SITP-0, SICP-0, BH-0, BDW. RU WILSON. PERFORM MIT TEST, WITNESSED BY CLARENCE SMITH, NMOCD. REL PKR. PT CBP 864 PSI X 30 MIN @ 2996', HELD. RU WL GROUP. RUN CNL. ND BOP. CHG OUT WH. TEST GOOD. NU BOP. SISW. SDFN.

8/16/2023 PJSM. SITP-0, SICP-0, BH-0. BDW. RU WL. RIH, PERF LOWER FRC W/0.34" DIA, SELECT FIRE, 3 SPF @ 2895'-2896', 2899'-2890', 2906'-2907', 2911'-2912', 2917.5'-2918.5', 2926'-2927', 2946'-2947', 2949.5'-2950.5' (24 HOLES). SET FRAC PLUG. RU HYDROTEST, TEST 3 1/2" TBG. RIH, SET 7" PKR @ 2699.64'. LAND TBG. PT BACKSIDE TO 500 PSI. GOOD TEST. SISW. SDFN.

8/17/2023 PJSM. TP-0, CP-450, BH-0. BDW. ND BOP. NU FRAC STACK. PT STACK 8K X 30 MINS. GOOD TEST. BLED OFF PSI ON CSG. RD WILSON. RD. W/O FRAC.

8/24/2023 SITP-0, SICP-0, BH-0. MIRU GORE N2 SERVICES. RU BASIN WL. RU FRAC & N2. TEST FRAC & N2 LINES TO 7800 PSI, GOOD. FRAC FRC @ 50 BPM W/60Q N2 FOAM. DROP 2.25" BALL. TOTAL FRAC LOAD: 1044 BBLS, TOTAL ACID: 12 BBLS, TOTAL SLICKWATER: 1032 BBLS, TOTAL 100 MESH SAND: 5,057#, TOTAL 40/70 SAND: 75,804#, TOTAL N2: 1.09M SCF. PT PLUG TO 1000 PSI, GOOD. RIH, PERF STAGE 2 FRC W/0.34" DIA, SELECT FIRE, 3 SPF @ 2755', 2809', 2820', 2823', 2861', 2871', 2875', 2877' (24 HOLES). FRAC FRC @ 50 BPM W/60Q N2 FOAM. TOTAL FRAC LOAD: 1031 BBLS, TOTAL ACID: 12 BBLS, TOTAL SLICKWATER: 1019 BBLS, TOTAL 100 MESH SAND: 5,042#, TOTAL 40/70 SAND: 81,940#, TOTAL N2: 1.03M SCF. SISW. RDMO FRAC.

8/25/2023 SITP-1100, SICP-0, BH-0. BDW. PJSM. MIRU. BDW. KILL WELL. INSTALL 2-WAY CHK. ND FRAC STACK. NU BOP. TEST 250/LOW & 2600 HIGH, GOOD. REL PKR. LUBE OUT 2-WAY CHK. KILL WELL. RD WELLCHECK. LD FRAC STRING. SISW. SDFN.

8/26/2023 SITP-NA, SICP-300, BH-0. BDW. PJSM. RIH, TAG & DO FRAC PLUG @ 2885'. CHASE DOWN TO CBP @ 2995'. DO PLUG, THEN CBP. CHASED REM TO TOP OF 2ND CBP. RIG LOST RADIATOR FAN. PU ABOVE PERFS TO STRING FLOAT. CONT CO, MAKING SWEEPS. SD AIR. SISW. SDFN.

8/27/2023 PJSM. SITP-0, SICP-440, BH-0. BDW. RIH, W/POWER SWVL. UNLOAD. DO CBP @ 3009'. CHASE PLUG TO LINER TOP @ 3111'. DO PLUG TO LINER TOP. CLEAN UP HOLE. TOH. CHG BHA TO 3-7/8". RIH, TAG PLUG @ LINER TOP. DO REM OF PLUG IN LINER TOP. CLEAN UP HOLE. PU ABOVE PERFS. SISW. SDFN.

8/28/2023 PJSM. SITP-0, SICP-400, BH-0. BDW. TAG CIBP @ 4600'. UNLOAD, EST RETURNS. DO CIBP. CHASE TO 5482' (PBTD @ 5486'). TOH, LD COLLARS & BHA. RIH W/ PROD STRING. SISW. SDFN.

8/29/2023 PJSM. SITP-0, SICP-150, BH-0. BDW. RIH, CHECK FOR FILL. RAN EOT TO 5475'. NO FILL OVER PERFS. LD TAG JTS. INSTALL TBG HANGER. LAND 168 JTS 2-3/8", 4.7#, J-55 TBG @ 5304' (SN @ 5303'). ND BOP. NUWH. PUMP PAD, DROP BALL & PT TBG TO 500 PSI. GOOD TEST. PUMP OFF CHECK. SIW. RDMO. RR.

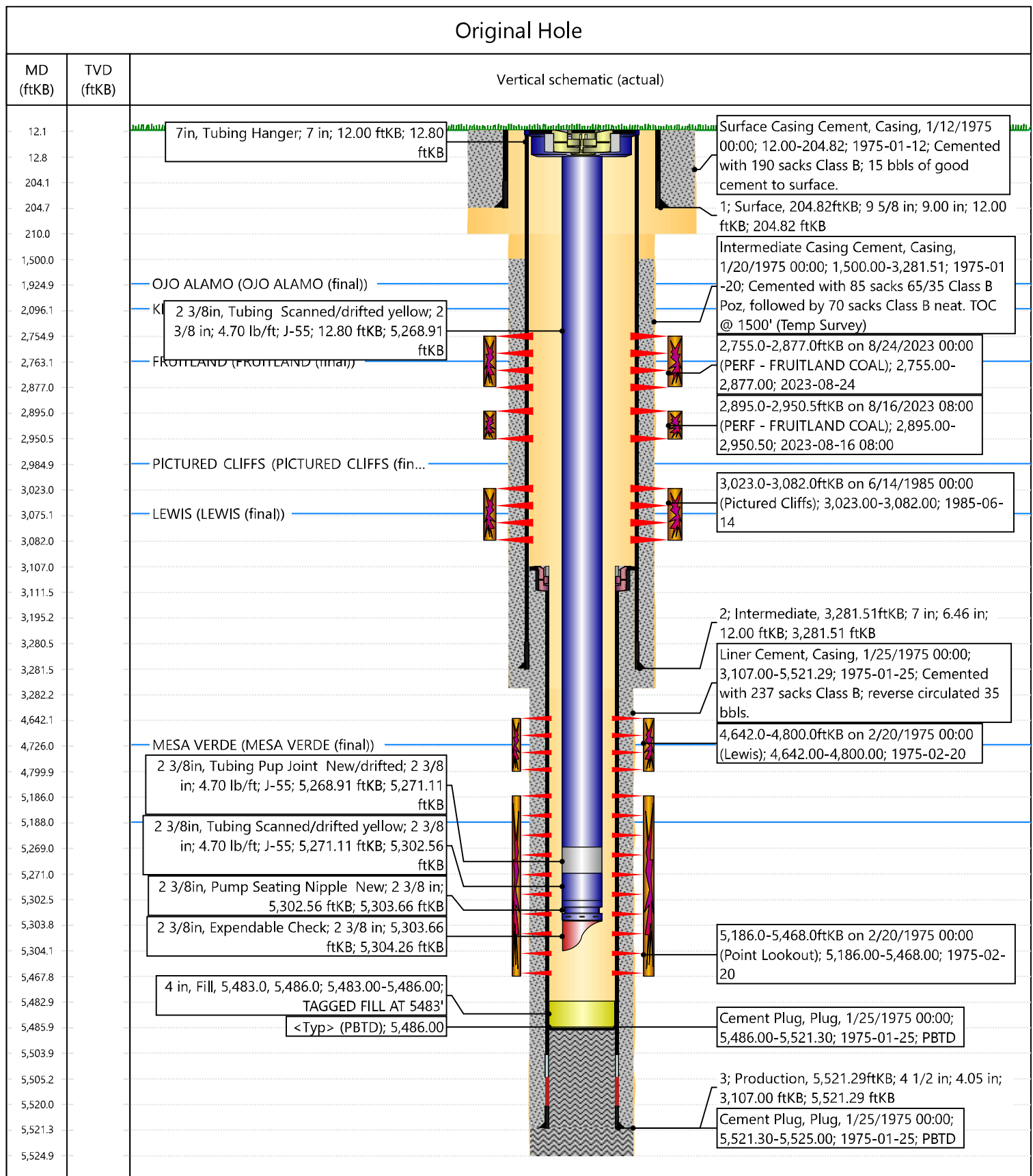
THE WELL IS PRODUCING AS A FRC/PC/MV TRIMMINGLE ON GAS ALLOWABLE WAITING ON RC C-104 APPROVAL.

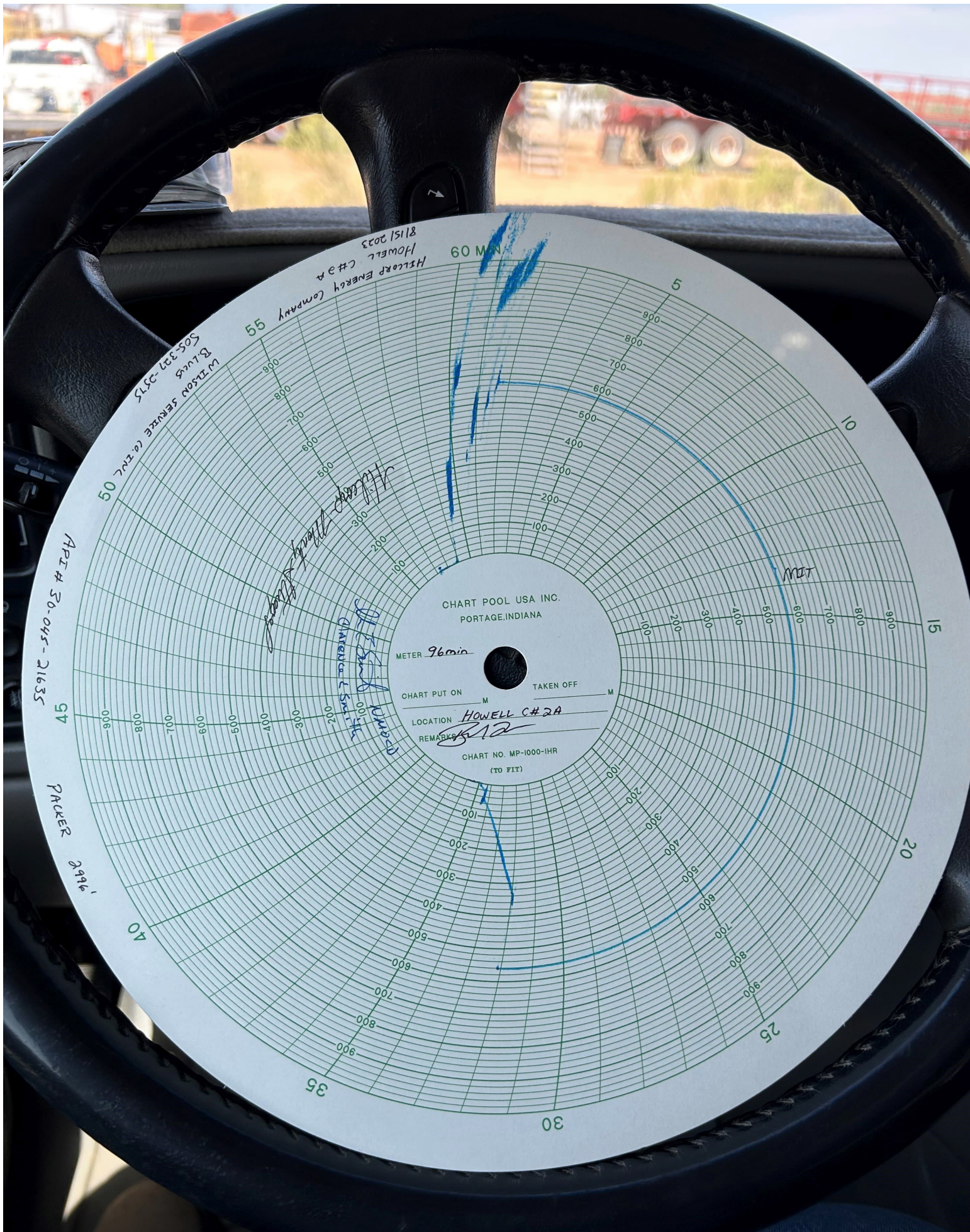


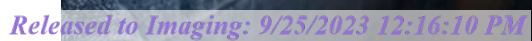
Current Schematic - Version 3

Well Name: HOWELL C #2A

API / UWI 3004521635	Surface Legal Location 003-029N-008W-J	Field Name BLANCO PICTURED CLIFFS (GAS)	Route 0800	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,276.00	Original KB/RT Elevation (ft) 6,288.00	RKB to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	







Cheryl Weston

From: blm-afmss-notifications@blm.gov
Sent: Monday, September 11, 2023 4:19 PM
To: Cheryl Weston
Subject: [EXTERNAL] Well Name: HOWELL C, Well Number: 2A, Acknowledgement of Submission for Well Completion

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

The Bureau of Land Management

Notice of receiving Well Completion Report

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **HOWELL C**
- Well Number: **2A**
- US Well Number: **3004521635**
- Well Completion Report Id: **WCR2023091189285**

This is to notify you that we have received your Well Completion Report. Thank you. If we need more information we will contact you.

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

WCR ID	BLM Office	Operator	Well Name	Well Number	US Well Number	Application Status	Created Date	Initiator Name
89285	Farmington	HILCORP ENERGY COMPANY	HOWELL C	2A	3004521635	Accepted	2023-09-11 21:56	CHERYLENE WESTON

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 ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,

Other: RECOMPLETE

2. Name of Operator

Hilcorp Energy Company

3. Address

382 Rd 3100, Aztec NM 87410

3a. Phone No. (include area code)

(505) 333-1700

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

At surface Unit J (NWSE), 1535' FSL & 1550' FEL

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded

1/10/1975

15. Date T.D. Reached

1/24/1975

16. Date Completed

8/29/2023

☐ D & A☒ Ready to Prod.

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

6,276'

18. Total Depth:

5,521'

19. Plug Back T.D.:

5,486'

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	32.3#	0	207'	n/a	224 cf			
8 3/4"	7" J-55	20#	0	3,282'	n/a	305 cf			
	4 1/2" J-55	10.5#	3,107'	5,521'	n/a	419 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"	5,304'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Upper Fruitland Coal	2,755'	2,877'	3 SPF	.34"	24	open
B) Lower Fruitland Coal	2,895'	2,950'	3 SPF	.34"	24	open
C)						
D)						
TOTAL					48	

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

Depth Interval	Amount and Type of Material
2755-2877	Foam Frac @ 50 BPM w/60 Q N2 foam, 42,798 gal 70 slick water, 5,042# mesh sand, 81,940# 40/70 sand, 1.03M SCF N2
2895-2950	Foam Frac @ 50 BPM w/60 Q N2 foam, 43,344 gal 70 slick water, 5,057# mesh sand, 75,804# 40/70 sand, 1.09M 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
8/29/2023	8/29/2023	4	➡	0	8 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	
44/64"	100 psi	95 psi	➡	0	8 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. 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	1,925'	2,096'	White, cr-gr ss	Ojo Alamo	1,925'
Kirtland	2,096'	2,763'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2,096'
Fruitland	2,763'	2,985'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2,763'
Pictured Cliffs	2,985'	3,075'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2,985'
Lewis	3,075'		Shale w/ siltstone stingers	Lewis	3,075'
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bentonite	
Chacra		4,726'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	
Cliff House	4,726'	5,210'	Light gry, med-fine gr ss, carb sh & coal	Cliff House	4,726'
Menefee	5,210'	5,188'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5,210'
Point Lookout	5,188'		Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5,188'
Mancos			Dark gry carb sh.	Mancos	
Gallup			Lt. gry to brn calc carb micac gluc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	
Greenhorn			Highly calc gry sh w/ thin lmst.	Greenhorn	
Graneros			Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	
Dakota			Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

This well is currently producing as a FRC/MV/PC trimmingle per DHC-5315.

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 Technician

Signature Cherylene Weston Date 9/11/2023

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 264746

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 264746
	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 264746

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 264746
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/25/2023