

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Section 1 - Operator and Well Information

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: Haynie 2N	Property Code: 321941
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38408
Pool Name: BASIN DAKOTA	Pool Code: 71599

Section 2 – Surface Location

UL B	Section 4	Township 030N	Range 011W	Lot 2	Ft. from N/S 762' North	Ft. from E/W 1680' East	Latitude 36.846129	Longitude -107.992951	County SAN JUAN
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Section 3 – Completion Information

Producing Method Flowing	Ready Date 3/18/2025	Perforations MD 6,933' – 7,155'	Perforations TVD 6,707' – 6,929'
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Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW): 439432	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 384392	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 384392	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: N/A	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC-5461
Production Casing Action ID: 384977	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID: N/A	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ 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.	
Name Cherylene Weston	
Title: Operations Regulatory Tech Sr.	Date: 3/26/2025

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type	☐ Initial Submittal
			☐ Amended Report
		☒ As Drilled	

WELL LOCATION INFORMATION

API Number 30-045-38408	Pool Code 71599	Pool Name BASIN DAKOTA
Property Code 321941	Property Name HAYNIE	Well Number 2N
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 5784'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL B	Section 4	Township 30N	Range 11W	Lot 2	Feet from N/S Line 762' NORTH	Feet from E/W Line 1680' EAST	Latitude 36.846129 °N	Longitude -107.992951 °W	County SAN JUAN
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Bottom Hole Location

UL H	Section 4	Township 30N	Range 11W	Lot	Feet from N/S Line 1740' NORTH	Feet from E/W Line 1183' EAST	Latitude 36.843434 °N	Longitude -107.991272 °W	County SAN JUAN
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Dedicated Acres 319.80	Penetrated Spacing Unit: N/2 - Section 4, T30N, R11W	Infill or Defining Well Infill	Defining Well API 30-045-24181	Overlapping Spacing Unit ☐ Yes ☒ No	Consolidation Code C
Order Numbers DHC 5461			Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL B	Section 4	Township 30N	Range 11W	Lot 2	Feet from N/S Line 765' NORTH	Feet from E/W Line 1681' EAST	Latitude 36.846121 °N	Longitude -107.992955 °W	County SAN JUAN
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First Take Point (FTP)

UL H	Section 4	Township 30N	Range 11W	Lot	Feet from N/S Line 1727' NORTH	Feet from E/W Line 1176' EAST	Latitude 36.843469 °N	Longitude -107.991248 °W	County SAN JUAN
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Last Take Point (LTP)

UL H	Section 4	Township 30N	Range 11W	Lot	Feet from N/S Line 1739' NORTH	Feet from E/W Line 1182' EAST	Latitude 36.843435 °N	Longitude -107.991270 °W	County SAN JUAN
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical ☒ Directional	Ground Floor Elevation 5784'
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OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Cherylene Weston Signature 3/5/2025 Date Cherylene Weston, Operations/Regulatory Tech-Sr. Printed Name cweston@hilcorp.com E-mail Address	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  JASON C. EDWARDS Signature and Seal of Professional Surveyor Certificate Number 15269 Date of Survey NOVEMBER 11, 2024
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SURFACE LOCATION (A)
762' FNL 1680' FEL
SECTION 4, T30N, R11W
LAT 36.846125°N
LONG -107.992328°W
DATUM: NAD1927

KICK OFF POINT (B)
765' FNL 1681' FEL
SECTION 4, T30N, R11W
LAT 36.846117°N
LONG -107.992331°W
DATUM: NAD1927

FIRST TAKE POINT (C)
1727' FNL 1176' FEL
SECTION 4, T30N, R11W
LAT 36.843465°N
LONG -107.990625°W
DATUM: NAD1927

LAST TAKE POINT (D)
1739' FNL 1182' FEL
SECTION 4, T30N, R11W
LAT 36.843432°N
LONG -107.990646°W
DATUM: NAD1927

BOTTOM-HOLE LOC (E)
1740' FNL 1183' FEL
SECTION 4, T30N, R11W
LAT 36.843430°N
LONG -107.990648°W
DATUM: NAD1927

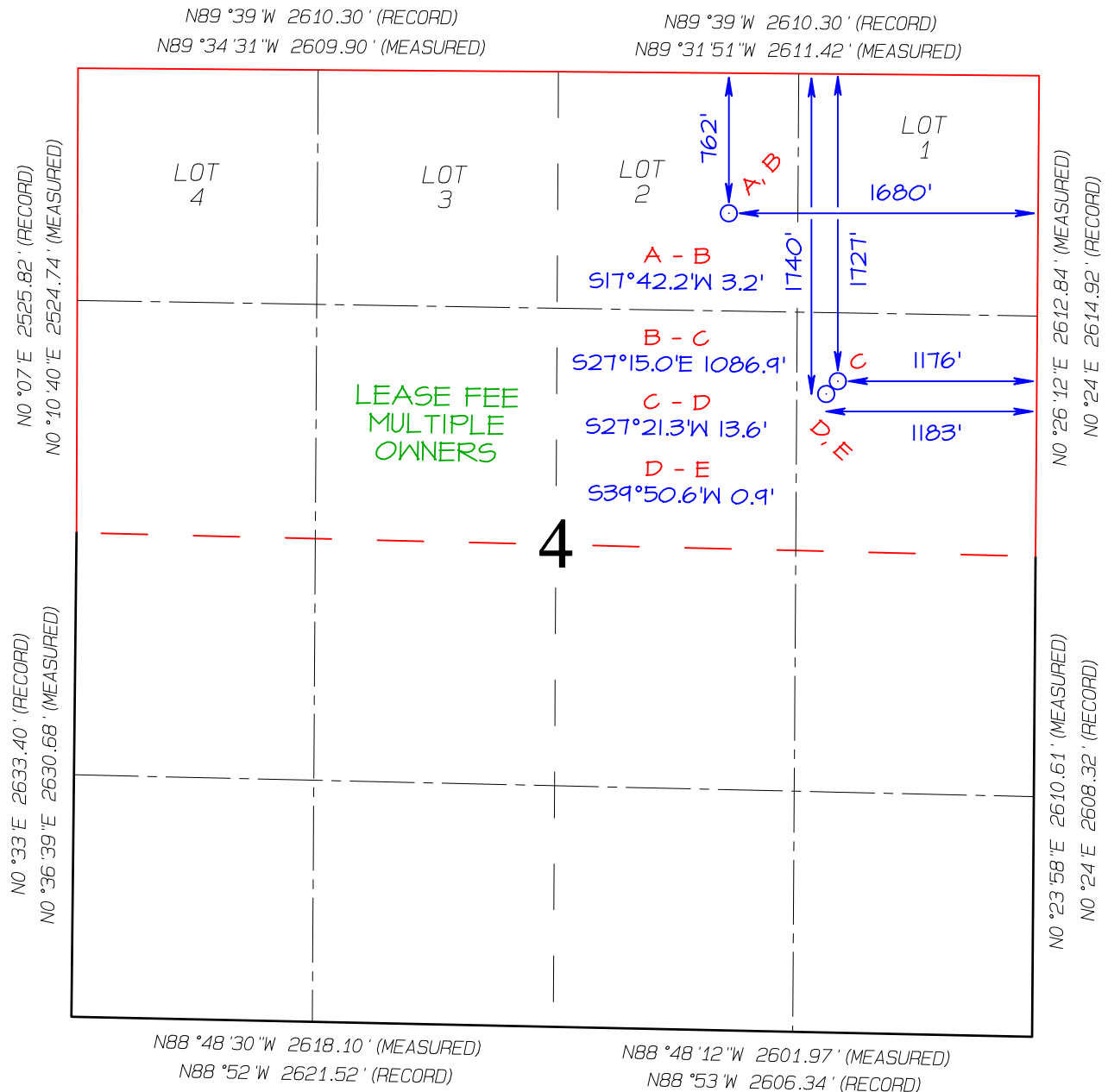
LAT 36.846129°N
LONG -107.992951°W
DATUM: NAD1983

LAT 36.846121°N
LONG -107.992955°W
DATUM: NAD1983

LAT 36.843469°N
LONG -107.991248°W
DATUM: NAD1983

LAT 36.843435°N
LONG -107.991270°W
DATUM: NAD1983

LAT 36.843434°N
LONG -107.991272°W
DATUM: NAD1983



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Section 1 - Operator and Well Information

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: Haynie 2N	Property Code: 321941
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38408
Pool Name: BLANCO MESAVERDE	Pool Code: 72319

Section 2 – Surface Location

UL B	Section 4	Township 030N	Range 011W	Lot 2	Ft. from N/S 762' North	Ft. from E/W 1680' East	Latitude 36.846129	Longitude -107.992951	County SAN JUAN
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Section 3 – Completion Information

Producing Method Flowing	Ready Date 3/17/2025	Perforations MD 4,477' – 5,151'	Perforations TVD 4,252' – 4,925'
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Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW): 439425	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 384392	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 384392	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: N/A	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC-5461
Production Casing Action ID: 384977	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
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Name Cherylene Weston	
Title: Operations Regulatory Tech Sr.	Date: 3/26/2025

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type	☐ Initial Submittal
			☐ Amended Report
		☒ As Drilled	

WELL LOCATION INFORMATION

API Number 30-045-38408	Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 321941	Property Name HAYNIE	Well Number 2N
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 5784'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL B	Section 4	Township 30N	Range 11W	Lot 2	Feet from N/S Line 762' NORTH	Feet from E/W Line 1680' EAST	Latitude 36.846129 °N	Longitude -107.992951 °W	County SAN JUAN
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Bottom Hole Location

UL H	Section 4	Township 30N	Range 11W	Lot	Feet from N/S Line 1740' NORTH	Feet from E/W Line 1183' EAST	Latitude 36.843434 °N	Longitude -107.991272 °W	County SAN JUAN
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Order Numbers DHC 5461			Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL B	Section 4	Township 30N	Range 11W	Lot 2	Feet from N/S Line 765' NORTH	Feet from E/W Line 1681' EAST	Latitude 36.846121 °N	Longitude -107.992955 °W	County SAN JUAN
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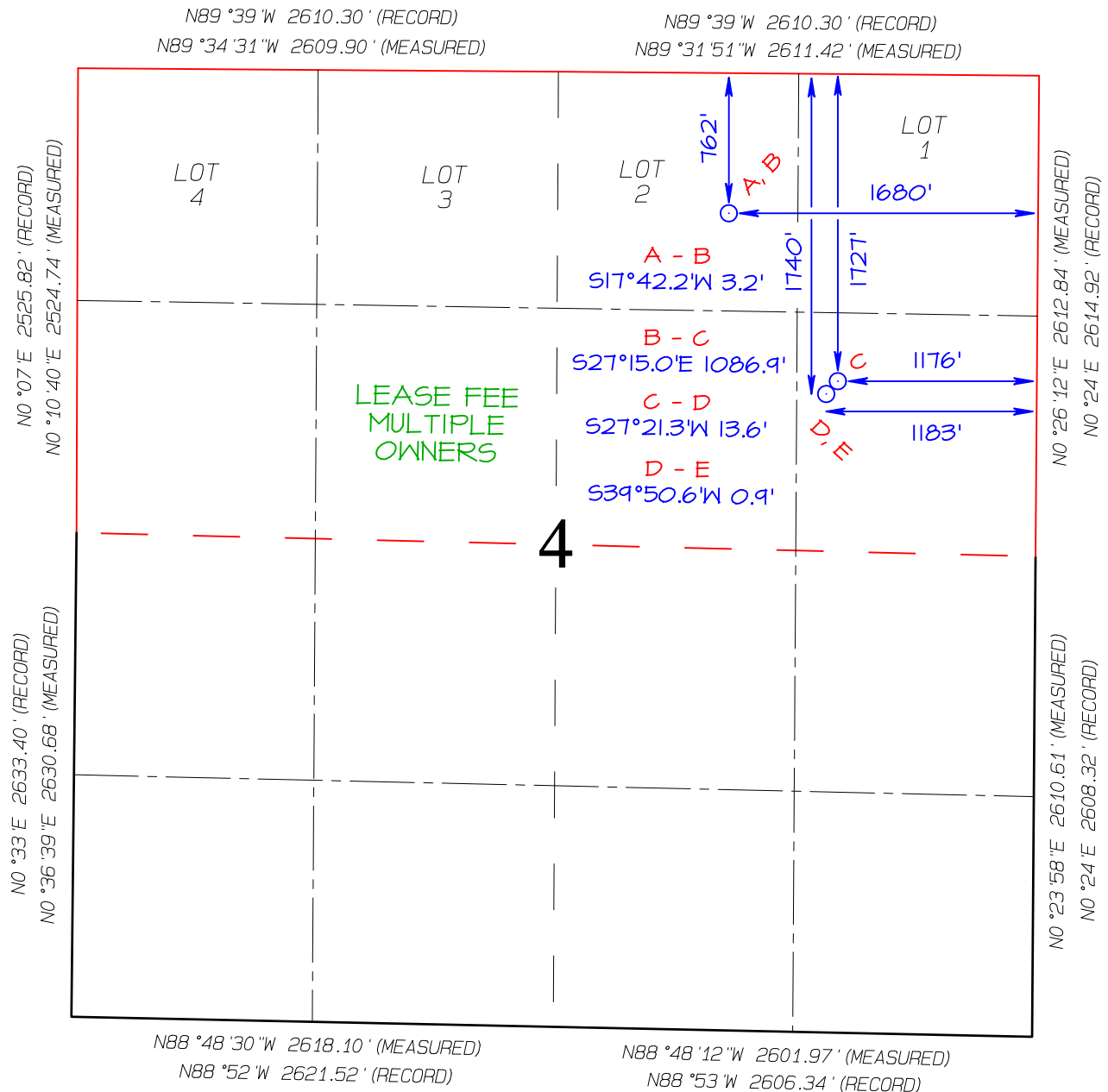
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LAT 36.843435°N
LONG -107.991270°W
DATUM: NAD1983

LAT 36.843434°N
LONG -107.991272°W
DATUM: NAD1983





Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621

Operator	HilCorp Energy
Well Name & No.	Haynie 2N
API #	30-045-38408
County & State	San Juan County, NM
SDI Job #	OP.047878
Rig	Drake 3
Survey Date	2/21/2025 to 3/2/2025
GL & KB Elevation	GL 5784 & KB 17' = 5801'

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 329 feet to a measured depth of 7,225 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Janie Collins', written over a horizontal line.

Signature

3-Mar-2025

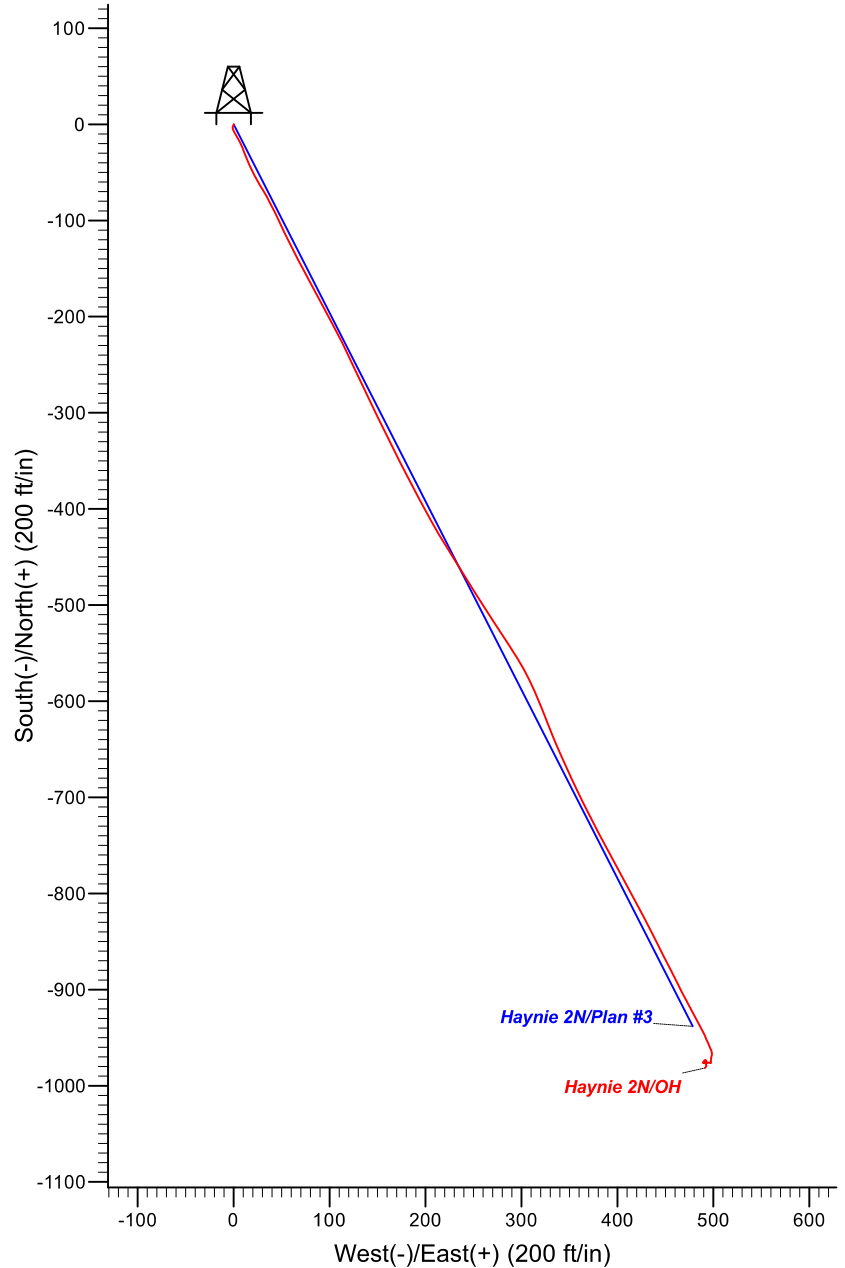
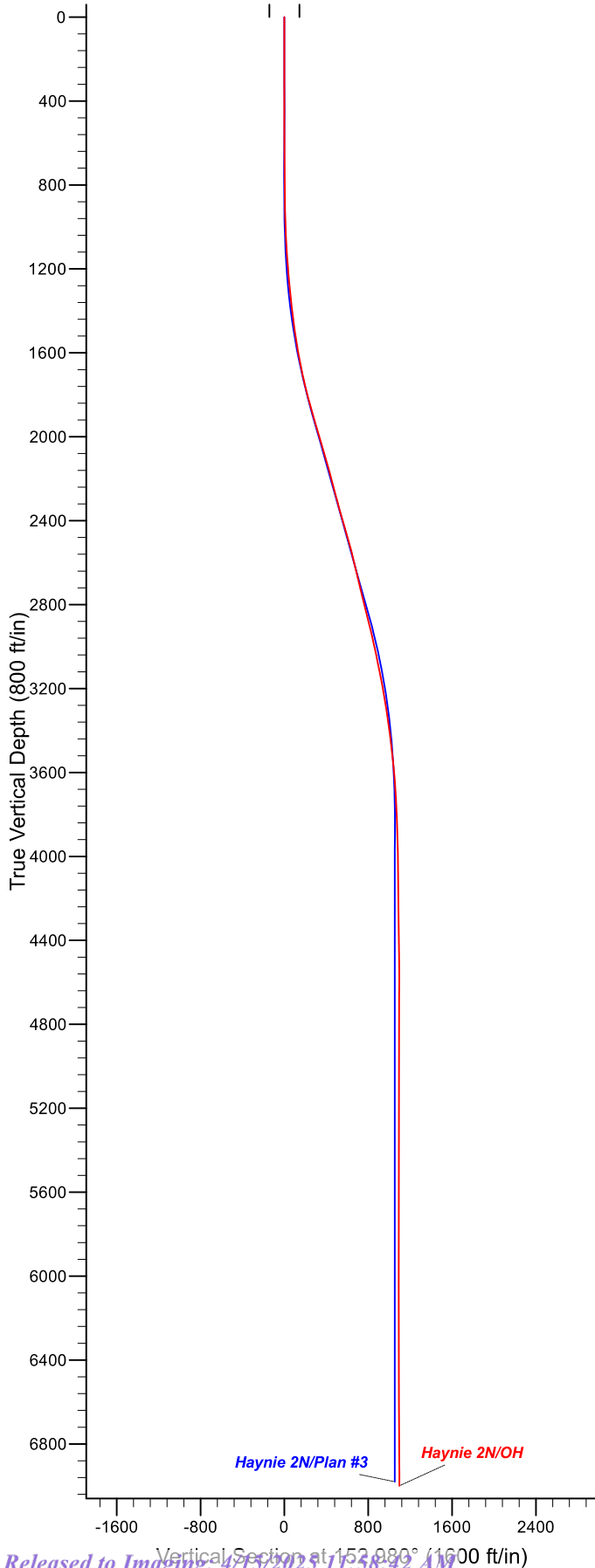
Date

Janie Collins

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Company: Hilcorp Energy - San Juan Basin
 Project: San Juan, NM NAD83
 Site: Haynie Pad
 Well: Haynie 2N
 Wellbore: OH
 Design: OH



Well Details: Haynie 2N

		TVD Reference: GL 5784' & RKB 17' @ 5801.00ft (Drake 3)				Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2127352.98	2676388.24	36.846129	-107.992951	

PROJECT DETAILS: San Juan, NM NAD83

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone

System Datum: Mean Sea Level

Plan: OH

9:06, March 31 2025
 Created By: Janie Collins



Hilcorp Energy - San Juan Basin

San Juan, NM NAD83

Haynie Pad

Haynie 2N

OH

Design: OH

Standard Survey Report

31 March, 2025



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2N
Project:	San Juan, NM NAD83	TVD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Well:	Haynie 2N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Project	San Juan, NM NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	Haynie Pad				
Site Position:		Northing:	2,127,352.98 usft	Latitude:	36.846129
From:	Lat/Long	Easting:	2,676,388.24 usft	Longitude:	-107.992951
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-0.10 °

Well	Haynie 2N					
Well Position	+N/-S	0.00 ft	Northing:	2,127,352.98 usft	Latitude:	36.846129
	+E/-W	0.00 ft	Easting:	2,676,388.24 usft	Longitude:	-107.992951
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,784.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	2/19/2025	8.45	63.15	49,152.90000000

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	152.980	

Survey Program	Date	3/31/2025			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
329.00	761.00	Survey #1 - Surface (OH)	MWD+HDGM	OWSG MWD + HDGM	
825.00	3,829.00	Survey #2 - Intermediate (OH)	MWD+HDGM	OWSG MWD + HDGM	
3,892.00	7,225.00	Survey #3 - Production (OH)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
329.00	0.08	130.090	329.00	-0.15	0.18	0.21	0.02	0.02	0.00	
390.00	0.19	163.480	390.00	-0.27	0.24	0.35	0.21	0.18	54.74	
452.00	0.35	229.690	452.00	-0.49	0.12	0.49	0.52	0.26	106.79	
513.00	0.34	196.540	513.00	-0.79	-0.07	0.67	0.32	-0.02	-54.34	
575.00	0.36	206.670	575.00	-1.14	-0.21	0.92	0.10	0.03	16.34	
638.00	0.42	208.270	638.00	-1.52	-0.41	1.17	0.10	0.10	2.54	
699.00	0.44	221.200	698.99	-1.89	-0.67	1.38	0.16	0.03	21.20	
761.00	0.38	214.110	760.99	-2.24	-0.94	1.57	0.13	-0.10	-11.44	



Scientific Drilling

Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2N
Project:	San Juan, NM NAD83	TVD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Well:	Haynie 2N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
825.00	1.21	182.840	824.99	-3.09	-1.09	2.26	1.42	1.30	-48.86
882.00	2.35	163.540	881.96	-4.81	-0.79	3.93	2.23	2.00	-33.86
944.00	3.48	152.490	943.88	-7.70	0.44	7.06	2.03	1.82	-17.82
1,006.00	5.16	150.180	1,005.70	-11.79	2.69	11.73	2.72	2.71	-3.73
1,069.00	6.00	151.060	1,068.40	-17.13	5.69	17.85	1.34	1.33	1.40
1,133.00	7.25	157.710	1,131.97	-23.79	8.84	25.21	2.29	1.95	10.39
1,194.00	8.99	158.150	1,192.36	-31.78	12.08	33.80	2.85	2.85	0.72
1,256.00	10.12	157.000	1,253.50	-41.29	16.01	44.06	1.85	1.82	-1.85
1,319.00	11.42	151.820	1,315.39	-51.88	21.12	55.81	2.57	2.06	-8.22
1,382.00	12.60	149.250	1,377.01	-63.29	27.58	68.91	2.06	1.87	-4.08
1,444.00	14.34	151.170	1,437.30	-75.82	34.74	83.33	2.90	2.81	3.10
1,507.00	16.17	153.390	1,498.08	-90.50	42.43	99.90	3.05	2.90	3.52
1,570.00	17.98	154.690	1,558.30	-107.14	50.52	118.39	2.94	2.87	2.06
1,632.00	20.57	153.890	1,616.82	-125.57	59.40	138.85	4.20	4.18	-1.29
1,696.00	22.35	152.270	1,676.38	-146.44	70.01	162.27	2.93	2.78	-2.53
1,759.00	24.30	151.390	1,734.23	-168.43	81.80	187.20	3.14	3.10	-1.40
1,821.00	26.85	151.230	1,790.15	-191.90	94.65	213.95	4.11	4.11	-0.26
1,884.00	28.86	152.950	1,845.85	-217.92	108.41	243.38	3.44	3.19	2.73
1,948.00	30.70	154.920	1,901.39	-246.47	122.36	275.16	3.26	2.88	3.08
2,010.00	30.71	154.540	1,954.70	-275.10	135.87	306.80	0.31	0.02	-0.61
2,073.00	30.43	153.640	2,008.95	-303.92	149.87	338.84	0.85	-0.44	-1.43
2,136.00	29.71	153.670	2,063.47	-332.21	163.88	370.40	1.14	-1.14	0.05
2,198.00	29.56	153.000	2,117.36	-359.61	177.64	401.06	0.59	-0.24	-1.08
2,261.00	28.44	152.330	2,172.46	-386.74	191.66	431.60	1.85	-1.78	-1.06
2,324.00	28.34	150.600	2,227.88	-413.05	205.97	461.54	1.32	-0.16	-2.75
2,387.00	28.27	147.890	2,283.35	-438.72	221.24	491.34	2.04	-0.11	-4.30
2,450.00	29.67	148.130	2,338.47	-464.60	237.40	521.74	2.23	2.22	0.38
2,512.00	30.34	147.810	2,392.16	-490.88	253.85	552.63	1.11	1.08	-0.52
2,575.00	30.31	146.710	2,446.54	-517.64	271.05	584.28	0.88	-0.05	-1.75
2,638.00	29.31	146.510	2,501.20	-543.79	288.29	615.40	1.60	-1.59	-0.32
2,701.00	26.33	151.630	2,556.92	-568.95	303.44	644.70	6.06	-4.73	8.13
2,764.00	25.40	157.340	2,613.62	-593.72	315.29	672.15	4.22	-1.48	9.06
2,827.00	25.98	158.700	2,670.39	-619.04	325.50	699.35	1.31	0.92	2.16
2,890.00	25.80	156.570	2,727.07	-644.48	335.97	726.76	1.50	-0.29	-3.38
2,952.00	26.65	155.300	2,782.69	-669.49	347.14	754.12	1.64	1.37	-2.05
3,015.00	26.66	154.140	2,838.99	-695.05	359.21	782.37	0.83	0.02	-1.84
3,077.00	25.96	153.340	2,894.57	-719.69	371.37	809.85	1.27	-1.13	-1.29
3,140.00	24.58	151.980	2,951.54	-743.58	383.71	836.74	2.38	-2.19	-2.16
3,203.00	23.24	151.730	3,009.13	-766.10	395.75	862.27	2.13	-2.13	-0.40
3,266.00	22.22	150.910	3,067.24	-787.45	407.43	886.60	1.70	-1.62	-1.30
3,328.00	21.60	151.520	3,124.76	-807.73	418.57	909.72	1.07	-1.00	0.98
3,391.00	21.26	153.080	3,183.41	-828.11	429.27	932.74	1.05	-0.54	2.48
3,454.00	18.74	152.870	3,242.60	-847.30	439.06	954.28	4.00	-4.00	-0.33



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2N
Project:	San Juan, NM NAD83	TVD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Well:	Haynie 2N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,517.00	16.84	153.010	3,302.59	-864.44	447.82	973.53	3.02	-3.02	0.22
3,579.00	15.68	153.560	3,362.11	-879.95	455.63	990.89	1.89	-1.87	0.89
3,642.00	14.80	153.160	3,422.89	-894.75	463.05	1,007.45	1.41	-1.40	-0.63
3,704.00	13.00	152.030	3,483.07	-907.97	469.90	1,022.34	2.94	-2.90	-1.82
3,766.00	11.66	151.900	3,543.64	-919.66	476.12	1,035.58	2.16	-2.16	-0.21
3,829.00	10.10	150.870	3,605.51	-930.10	481.81	1,047.47	2.50	-2.48	-1.63
3,892.00	8.18	152.150	3,667.70	-938.89	486.59	1,057.47	3.06	-3.05	2.03
3,955.00	6.39	155.650	3,730.19	-946.05	490.13	1,065.45	2.93	-2.84	5.56
4,017.00	4.57	157.220	3,791.91	-951.47	492.51	1,071.36	2.95	-2.94	2.53
4,080.00	3.37	154.590	3,854.75	-955.46	494.27	1,075.72	1.93	-1.90	-4.17
4,143.00	2.69	156.020	3,917.67	-958.48	495.67	1,079.04	1.09	-1.08	2.27
4,205.00	2.53	158.310	3,979.60	-961.08	496.77	1,081.86	0.31	-0.26	3.69
4,268.00	1.73	157.230	4,042.56	-963.25	497.65	1,084.19	1.27	-1.27	-1.71
4,331.00	1.62	166.710	4,105.53	-964.99	498.22	1,086.01	0.47	-0.17	15.05
4,357.00	1.71	174.190	4,131.52	-965.74	498.35	1,086.72	0.90	0.35	28.77
4,463.00	1.01	194.330	4,237.49	-968.22	498.27	1,088.90	0.79	-0.66	19.00
4,526.00	1.80	191.720	4,300.47	-969.72	497.94	1,090.09	1.26	1.25	-4.14
4,589.00	1.80	188.110	4,363.44	-971.67	497.60	1,091.67	0.18	0.00	-5.73
4,651.00	1.79	182.000	4,425.41	-973.60	497.42	1,093.31	0.31	-0.02	-9.85
4,714.00	1.41	177.700	4,488.38	-975.36	497.42	1,094.88	0.63	-0.60	-6.83
4,777.00	0.53	215.720	4,551.37	-976.37	497.28	1,095.71	1.66	-1.40	60.35
4,839.00	0.59	298.250	4,613.37	-976.45	496.83	1,095.58	1.19	0.10	133.11
4,901.00	0.59	289.780	4,675.37	-976.19	496.25	1,095.09	0.14	0.00	-13.66
4,964.00	0.47	285.180	4,738.37	-976.02	495.70	1,094.68	0.20	-0.19	-7.30
5,026.00	0.43	277.110	4,800.36	-975.92	495.22	1,094.38	0.12	-0.06	-13.02
5,089.00	0.43	268.580	4,863.36	-975.90	494.75	1,094.14	0.10	0.00	-13.54
5,151.00	0.39	249.500	4,925.36	-975.98	494.32	1,094.02	0.23	-0.06	-30.77
5,214.00	0.54	246.310	4,988.36	-976.17	493.85	1,093.98	0.24	0.24	-5.06
5,277.00	0.36	251.380	5,051.36	-976.35	493.39	1,093.93	0.29	-0.29	8.05
5,340.00	0.51	277.120	5,114.36	-976.38	492.92	1,093.74	0.39	0.24	40.86
5,402.00	0.62	265.530	5,176.35	-976.37	492.31	1,093.46	0.25	0.18	-18.69
5,464.00	0.65	317.390	5,238.35	-976.14	491.74	1,092.99	0.90	0.05	83.65
5,527.00	0.66	314.800	5,301.35	-975.62	491.24	1,092.30	0.05	0.02	-4.11
5,590.00	0.44	280.800	5,364.34	-975.32	490.75	1,091.81	0.61	-0.35	-53.97
5,653.00	0.20	260.780	5,427.34	-975.29	490.40	1,091.63	0.41	-0.38	-31.78
5,715.00	0.12	256.520	5,489.34	-975.33	490.23	1,091.58	0.13	-0.13	-6.87
5,778.00	0.34	173.750	5,552.34	-975.53	490.19	1,091.74	0.55	0.35	-131.38
5,841.00	0.48	191.250	5,615.34	-975.97	490.16	1,092.12	0.30	0.22	27.78
5,904.00	0.30	302.920	5,678.34	-976.14	489.97	1,092.19	1.04	-0.29	177.25
5,967.00	0.30	320.980	5,741.34	-975.92	489.72	1,091.88	0.15	0.00	28.67
6,030.00	0.08	253.350	5,804.34	-975.81	489.58	1,091.71	0.44	-0.35	-107.35
6,092.00	0.42	188.790	5,866.34	-976.05	489.50	1,091.89	0.63	0.55	-104.13
6,155.00	0.27	353.060	5,929.34	-976.13	489.45	1,091.94	1.09	-0.24	260.75



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2N
Project:	San Juan, NM NAD83	TVD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5784' & RKB 17' @ 5801.00ft (Drake 3)
Well:	Haynie 2N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,218.00	0.89	19.010	5,992.33	-975.52	489.59	1,091.46	1.04	0.98	41.19	
6,280.00	1.09	19.590	6,054.32	-974.51	489.94	1,090.72	0.32	0.32	0.94	
6,344.00	0.68	48.980	6,118.32	-973.68	490.43	1,090.21	0.94	-0.64	45.92	
6,407.00	0.61	69.490	6,181.31	-973.32	491.03	1,090.16	0.38	-0.11	32.56	
6,469.00	0.34	100.480	6,243.31	-973.24	491.52	1,090.31	0.59	-0.44	49.98	
6,532.00	0.92	132.530	6,306.31	-973.61	492.08	1,090.89	1.04	0.92	50.87	
6,594.00	1.14	156.020	6,368.30	-974.51	492.70	1,091.98	0.76	0.35	37.89	
6,657.00	0.33	203.490	6,431.29	-975.25	492.88	1,092.72	1.51	-1.29	75.35	
6,720.00	1.12	239.590	6,494.29	-975.73	492.27	1,092.87	1.39	1.25	57.30	
6,783.00	0.51	191.660	6,557.28	-976.32	491.69	1,093.12	1.37	-0.97	-76.08	
6,845.00	0.78	159.390	6,619.28	-976.98	491.78	1,093.76	0.71	0.44	-52.05	
6,908.00	0.94	155.880	6,682.27	-977.86	492.14	1,094.70	0.27	0.25	-5.57	
6,970.00	0.57	163.160	6,744.26	-978.61	492.44	1,095.51	0.62	-0.60	11.74	
7,033.00	0.61	181.200	6,807.26	-979.25	492.52	1,096.12	0.30	0.06	28.63	
7,096.00	0.75	201.790	6,870.26	-979.97	492.36	1,096.68	0.44	0.22	32.68	
7,158.00	0.71	219.390	6,932.25	-980.64	491.97	1,097.10	0.37	-0.06	28.39	
7,170.00	0.76	220.070	6,944.25	-980.76	491.87	1,097.17	0.42	0.42	5.67	
7,225.00	0.76	220.070	6,999.24	-981.32	491.40	1,097.45	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy				T. San Jose			
T. Salt				T. Nacimiento			
B. Salt				T. Ojo Alamo	836	836	W
T. Yates				T. Kirtland	894	894	NA
T. 7 Rivers				T. Fruitland	1,885	1,847	G
T. Queen				T. Pictured Cliffs	2,400	2,295	G
T. Grayburg				T. Lewis Shale	2,609	2,476	NA
T. San Andres				T. Chacra	3,596	3,379	G
T. Glorieta				T. Cliff House	4,134	3,909	G/W
T. Yeso				T. Menefee	4,332	4,106	G
T. Paddock				T. Point Lookout	4,831	4,605	G
T. Blinebry				T. Mancos	5,172	4,946	G
T.Tubb				T. Gallup	6,082	5,856	G
T. Drinkard				T. Greenhorn	6,812	6,587	NA
T. Abo				T. Graneros	6,872	6,646	NA
T. Wolfcamp				T. Dakota	6,929	6,703	G
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Oztzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon							
T. Cherry Canyon							
T. Brushy Canyon							
T. Bone Springs							
T. 1st BS Sand							
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: ☒ New Well ☐ Workover ☐ Deepening ☐ Plugback ☒ Different Reservoir ☐ C-144 Closure Attachment ☐ Other	
Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: Haynie 2N	Property Code: 321941
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38408
Pool Name: Blanco Mesaverde	Pool Code: 72319

Section 2 – Well Location

	Ul or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	B	4	030N	011W	2	762	North	1680	East	San Juan
BHL	H	4	030N	011W		1740	North	1183	East	San Juan

Section 3 – Completion Information

Date T.D. Reached 3/2/2025	Total Measured Depth of Well 7225'	Acid Volume (bbls) 1,000 bbls	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 3/4/2025	Plug-Back Measured Depth 6425'	Completion Fluid Used (bbls) 2,310 bbls	Were Logs Ran (Y/N) Y
Completion Date 3/17/2024	Perforations (MD and TVD) 4,477' – 5,151' MD / 4,252' – 4,925' TVD	Completion Proppant Used (lbs) 258,555 lbs	List Type of Logs Ran if applicable: CBL

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 384392	UIC Permit/Order (UIC wells only) ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 384392	NOI Recomplete Action ID (if applicable): N/A
Intermediate 2 Casing Action ID: N/A	NOI Plugback Action ID (if applicable): N/A
Production Casing Action ID: 384977	Cement Squeeze Action ID (if applicable): N/A
Tubing Action ID: N/A	All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No
Liner 1 Action ID: N/A	Casing was installed prior to Action ID system (Y/N): N

Section 5 – Test Data

Date First Production 3/17/2025	Production Method F	Well Status PRODUCING	Gas – Oil Ratio
Date of Test 3/17/2025	Choke Size 22/64"	Flowing Tubing Pressure 0 psi	Casing Pressure 800 psi
24 hr Oil (bbls) 0 bbl	24 hr Gas (MCF) 1,097 mcf	24 hr Water (bbls) 0 bbl	Oil Gravity - API
Disposition of Gas: SOLD			

Section 6 – Pits

☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
☒ A Closed Loop System was used.
☐ If an on-site burial was used at the well, report the exact location of the on-site burial:
LAT: _____ LONG: _____

Section 7 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ 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.	
Name Cherylene Weston	
Title Cherylene Weston, Operations Regulatory Tech-Sr.	Date 3/26/2025

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy				T. San Jose			
T. Salt				T. Nacimiento			
B. Salt				T. Ojo Alamo	836	836	W
T. Yates				T. Kirtland	894	894	NA
T. 7 Rivers				T. Fruitland	1,885	1,847	G
T. Queen				T. Pictured Cliffs	2,400	2,295	G
T. Grayburg				T. Lewis Shale	2,609	2,476	NA
T. San Andres				T. Chacra	3,596	3,379	G
T. Glorieta				T. Cliff House	4,134	3,909	G/W
T. Yeso				T. Menefee	4,332	4,106	G
T. Paddock				T. Point Lookout	4,831	4,605	G
T. Blinebry				T. Mancos	5,172	4,946	G
T.Tubb				T. Gallup	6,082	5,856	G
T. Drinkard				T. Greenhorn	6,812	6,587	NA
T. Abo				T. Graneros	6,872	6,646	NA
T. Wolfcamp				T. Dakota	6,929	6,703	G
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Oztzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon							
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T. Bone Springs							
T. 1st BS Sand							
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-38408
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Hilcorp Energy Company		6. State Oil & Gas Lease No.
3. Address of Operator 382 Road 3100, Aztec, NM 87410		7. Lease Name or Unit Agreement Name HAYNIE
4. Well Location Unit Letter <u>B</u> : <u>762</u> feet from the <u>North</u> line and <u>1680</u> feet from the <u>East</u> line Section <u>4</u> Township <u>030N</u> Range <u>011W</u> NMPM County <u>SAN JUAN</u>		8. Well Number <u>2N</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5784' GL		9. OGRID Number 372171
		10. Pool name or Wildcat Blanco Mesaverde / Basin Dakota

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐ SIDETRACK	OTHER: COMPLETION ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see attached well completion reports. The well was completed in the Mesaverde/Dakota and is producing as a commingled MV/DK.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherylene Weston TITLE Operations/Regulatory Tech-Sr. DATE 3/26/2025

Type or print name Cherylene Weston E-mail address: cweston@hilcorp.com PHONE: 713-289-2615

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any)



Well Operations Summary L48

Well Name: Haynie 2N

API: 3004538408

Field: Blanco Mesaverde

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: 105

Jobs

Actual Start Date: 3/5/2025

End Date:

Report Number
1

Report Start Date
3/5/2025

Report End Date
3/5/2025

Operation

ACCEPT HEC #103 @ 06:00 ON 3/5/2025. CREW TRAVELED TO LOCATION. MOB FROM THE SCHIRARD 4-12U TO THE HAYNIE #2N (37 MILE MOVE) SPOT RIG AND EQUIPMENT. RIG UP RIG AND EQUIPMENT. BDW.

FTP: 0 PSI
FCP: 0 PSI
SIBHP: 0 PSI

BDW: 0 MIN

N/D WH. N/U BOP. R/U RIG FLOOR. FUNCTION TEST AND PRESSURE TEST BOP (GOOD).

PU 3-7/8 STRING MILL. SPOT IN TRAILER. TALLY AND PU 229 JTS OF 2-3/8 4.7# TBG. TAG FLOAT COLLAR @ 7201'.

CIRCULATE WELL W/ 110 BBLs FRESH WATER. CIRCULATE 5 BBLs OF DIRTY CEMENT WATER. CHECK RETURNS AND MAKE SURE THEY ARE CLEAN.

LD 1 JT. TOH W/ 228 JTS OF L-80 TBG. LD 3-7/8 STRING MILL.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVEL HOME.

Report Number
2

Report Start Date
3/6/2025

Report End Date
3/6/2025

Operation

CREW TRAVELED TO LOCATION.

HELD PRE JOB SAFETY MEETING.

ND STRIPPING HEAD. NU WIRELINE PACKOFF. LOAD CSG W/ FRESH WATER.

RU TWG WIRELINE. PU CBL LOGGING TOOL. **PERFORM CBL FROM 7201' TO 0'.** REPORT RESULTS TO ENGINEER.

PU CNL TOOL. RIH AND **PERFORM CNL LOG FROM 7200' TO 1700'.** POOH AND LD CNL TOOL. REPORT RESULTS TO ENGINEER.

PU CBL. **RERUN CBL FROM 7200' TO 0' W/ 1200 PSI ON CASING.** REPORT RESULTS TO ENGINEER. RD TWG.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVEL HOME.

Report Number
3

Report Start Date
3/7/2025

Report End Date
3/7/2025

Operation

CREW TRAVELED TO LOCATION.

HELD PRE JOB SAFETY MEETING.

L/D 233 JTS OF 2-3/8 L80 TBG.

ND BOP. NU FRAC STACK. TORQUE AND PSI TEST VOID (GOOD TEST).

RU WELLCHECK TEST EQUIP. PERFORM MIT TEST W/ NMOCD 560 PSI FOR 30 MINS (GOOD TEST). BLEED OFF PSI. PSI TEST CSG AND FRAC STACK 4800 PSI FOR 30 MINS (GOOD TEST). BLEED OFF PRESSURE.

NOTE: NMOCD REP JOHN DURHAM ON LOCATION TO WITNESS MIT TEST.

RD RIG AND EQUIPMENT. SISW. SECURE LOCATION. **RIG RELEASED TO THE EAST #7 ON 3/7/2025.** JOB COMPLETE. CREW TRAVELED HOME.

Report Number
4

Report Start Date
3/14/2025

Report End Date
3/14/2025

Operation

MOVE IN SPOT AND R/U GORE N2 AND TWG WRLN.

RIH, **PERF STAGE #1 DAKOTA WITH 30 SHOTS, 0.45" DIA, 3-1/8" WELLMATICS GUNS, 1 SPF 0 DEGREE PHASING AT 6933', 6937', 6941', 6947', 6963', 6975', 7007', 7012', 7016', 7022', 7027', 7031', 7035', 7047', 7055', 7059', 7069', 7075', 7088', 7092', 7096', 7109', 7120', 7125', 7130', 7135', 7140', 7145', 7150', 7155'.**

ALL SHOTS FIRED.

POH. R/D WRLN LUBRICATOR.

COOL DOWN AND PRIME EQUIPMENT. PRESSURE TEST FLUID LINES TO 5000 PSI. GOOD TEST. PRESSURE TEST N2 LINES TO 5000 PSI. GOOD TEST.

HELD PRE JOB SAFETY MEETING WITH ALL PERSONAL ON LOCATION.



Well Operations Summary L48

Well Name: Haynie 2N

API: 3004538408

Field: Blanco Mesaverde

State: NEW MEXICO

Sundry #:

Rig/Service: 105

Operation

DAKOTA STIMULATION: (6933' TO 7155')

FRAC AT 50 BPM W/ 70Q N2 FOAM

TOTAL LOAD: 1596 BBLS

SLICKWATER: 1584 BBLS (66,528 GAL)

TOTAL ACID: 12 BBLS

TOTAL 20/40 SAND: 115,733 LBS

TOTAL N2: 3,025,000 SCF

AVERAGE RATE: 50.0 BPM

MAX RATE: 51.1 BPM

AVERAGE PRESSURE: 3,696 PSI

MAX PRESSURE: 3,995 PSI

MAX SAND CONC: 2.0 PPG DOWNHOLE

BREAKDOWN:

ISIP: 1080 PSI

5 MIN: 581 PSI

10 MIN: 470 PSI

15 MIN: 401 PSI

FINAL:

ISIP: 2496 PSI

5 MIN: 1887 PSI

10 MIN: 1788 PSI

15 MIN: 1724 PSI

SCHEDULE CALLED FOR RCN BALL DIVERSION. ELECTED NOT TO DROP BALLS DUE TO PRESSURE INCREASE. DROPPED TO 65Q FOAM DUE TO PRESSURE INCREASE.

RIH W/ WRLN AND SET CBP AT 5200'.

PERF STAGE #2 POINT LOOKOUT WITH 30 SHOTS, 0.33" DIA, 3-1/8" WELLMATICS GUNS, 1 SPF 0 DEGREE PHASING AT 4837', 4841', 4845', 4850', 4854', 4863', 4871', 4874', 4878', 4887', 4892', 4900', 4915', 4928', 4934', 4938', 4943', 4979', 4991', 5009', 5017', 5029', 5043', 5047', 5055', 5068', 5077', 5105', 5133', 5151'.

ALL SHOTS FIRED.

POH. R/D WRLN LUBRICATOR.

POINT LOOKOUT STIMULATION: (4837' TO 5151')

FRAC AT 70 BPM W/ 70Q N2 FOAM

TOTAL LOAD: 1203 BBLS

SLICKWATER: 1191 BBLS (50,022 GAL)

TOTAL ACID: 12 BBLS

TOTAL 20/40 SAND: 134,607 LBS

TOTAL N2: 1,263,000 SCF

AVERAGE RATE: 64.4 BPM

MAX RATE: 71.4 BPM

AVERAGE PRESSURE: 2186 PSI

MAX PRESSURE: 2544 PSI

MAX SAND CONC: 3.0 PPG DOWNHOLE

BREAKDOWN:

ISIP: 29 PSI

5 MIN: N/A

10 MIN: N/A

15 MIN: N/A

FINAL:

ISIP: 250 PSI

5 MIN: 52 PSI

10 MIN: 23 PSI

15 MIN: N/A

DROPPED (15) 7/8" RCN BALLS BETWEEN SAND RAMPS.

RIH AND SET CBP AT 4834'.

PERF STAGE #3 MENEFFEE WITH 30 SHOTS, 0.33" DIA, 3-1/8" WELLMATICS GUNS, 1 SPF 0 DEGREE PHASING AT 4477', 4483', 4488', 4493', 4511', 4523', 4544', 4552', 4571', 4577', 4581', 4585', 4638', 4642', 4657', 4667', 4703', 4707', 4734', 4741', 4745', 4760', 4790', 4793', 4798', 4802', 4813', 4817', 4821', 4826'.

ALL SHOTS FIRED.

POH. R/D WRLN LUBRICATOR.



Well Operations Summary L48

Well Name: Haynie 2N

API: 3004538408

Field: Blanco Mesaverde

State: NEW MEXICO

Sundry #:

Rig/Service: 105

Operation

MENEFEE STIMULATION: (4477' TO 4826')

FRAC AT 70 BPM W/ 70Q N2 FOAM

TOTAL LOAD: 1,131 BBLS

SLICKWATER: 1,119 BBLS (46,998 GAL)

TOTAL ACID: 12 BBLS

TOTAL 20/40 SAND: 123,948 LBS

TOTAL N2: 1,514,000 SCF

AVERAGE RATE: 68.7 BPM

MAX RATE: 71.3 BPM

AVERAGE PRESSURE: 2897 PSI

MAX PRESSURE: 3061 PSI

MAX SAND CONC: 2.25 PPG DOWNHOLE

BREAKDOWN:

ISIP: 47 PSI

5 MIN: N/A

10 MIN: N/A

15 MIN: N/A

FINAL:

ISIP: 1278 PSI

5 MIN: 906 PSI

10 MIN: 790 PSI

15 MIN: 639 PSI

DROPPED (15) 7/8" RCN BALLS BETWEEN SAND RAMPS.

RIH W/ WRLN AND SET CBP AT 4300'. POH. BLEED OFF PRESSURE IN 4-1/2" CASING.

SHUT IN WELL. SECURED LOCATION.

RIG DOWN FRAC, N2 AND WIRELINE EQUIPMENT.

Report Number

5

Report Start Date

3/15/2025

Report End Date

3/15/2025

Operation

ACCEPT HEC #105 AT 06:00 ON 3/15/2025. CREW TRAVEL TO LOCATION.

MOB FROM THE GRENIER #23 TO THE HAYNIE #2N (6 MILE MOVE). EXTRA TIME TAKEN DUE WEATHER.

SPOT RIG AND EQUIPMENT. RIG UP RIG EQUIPMENT.

SITP: N/A

SICP: 0 PSI

SIICP: 0 PSI

SIBHP: 0 PSI

BDW: 0 MIN

LUBRICATE IN TWC. N/D FRAC STACK. N/U BOP. R/U RIG FLOOR. CHANGE OVER TO 2-3/8" HANDLING TOOLS. FUNCTION TEST BOP (GOOD).

R/U WELLCHECK. PRESSURE TEST PIPE RAMS AND BLIND RAMS. 250 PSI LOW FOR 5 MINUTES AND 2500 PSI HIGH FOR 10 MINUTES. TEST CHARTED. R/D WELLCHECK.

P/U 3-7/8" JUNK MILL. TALLY AND P/U 2-3/8" N-80 TUBING TO 2680'.

R/U WEATHERFORD AIR UNIT. PT LINES (GOOD).

CONTINUE TO TALLY AND P/U 2-3/8" N-80 TUBING. TAG PLUG #1 AT 4300' (NO FILL).

P/U SWIVEL. R/U SWIVEL.

EST CIRC W/ AIR/FOAM UNIT. 1350 CFM & 13 BBL/HR WATER. 1 GAL/HR SOAP & 1 GAL/HR INHIBITOR. **DRILL PLUG #1 (CBP) AT 4300'**. EXTRA TIME TAKEN DUE TO PRESSURES.

CIRC WELL CLEAN. PUMP SWEEPS. KILL TUBING. RACK BACK SWIVEL.

TALLY AND P/U 2-3/8" N-80 TUBING. TAG FILL ON TOP OF PLUG #2 AT 4814' (14' FILL).

TOOH TO ABOVE TOP PERF. EOT AT 1776'.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVEL HOME.

Report Number

6

Report Start Date

3/16/2025

Report End Date

3/16/2025

Operation

CREW TRAVEL TO LOCATION.

HELD PRE JOB SAFETY MEETING. BDW. WAIT FOR WIND DIRECTION TO CHANGE

SITP: 0 PSI

SICP: 950 PSI

SIICP: 0 PSI

SIBHP: 0 PSI

BDW: 30 MIN

TIH W/ TUBING. TAG FILL ON TOP OF PLUG #2 AT 4815' (15' FILL, 1' OVERNIGHT). R/U POWER SWIVEL.



Well Operations Summary L48

Well Name: Haynie 2N

API: 3004538408	Field: Blanco Mesaverde	State: NEW MEXICO
	Sundry #:	Rig/Service: 105

Operation

KI AIR. EST CIRC W/ AIR/FOAM UNIT. WITH 1350 CFM & 13 BBL/HR WATER. 1 GAL/HR SOAP & 1.5 GAL/HR INHIBITOR. C/O PACKER PARTS AND SAND FROM 4815' TO 4830'. **MILL PLUG #2 (CBP) AT 4830'.**

CIRCULATE WELL CLEAN. PUMP SWEEPS. KILL TBG RACK BACK POWER SWIVEL.

TALLY AND P/U TUBING. TAG FILL AT 5030' (170' FILL). P/U POWER SWIVEL. KI AIR. EST CIRC W/ AIR/FOAM UNIT. WITH 1350 CFM & 13 BBL/HR WATER. 1 GAL/HR SOAP & 1.5 GAL/HR INHIBITOR. C/O PLUG PARTS AND SAND FROM 5030' TO 5193' (CBP). BOTTOM MV PERFS AT 5151'. WELL MAKING SAND. LIGHT TO MODERATE SAND TO 5030'. MODERATE SAND TO 5130'. MODERATE TO HEAVY SAND TO 5151'.

CIRCULATE WELL CLEAN. PUMP SWEEPS. SAND DOWN TO TRACE. BLOW WELL DRY. RACK BACK POWER SWIVEL.

TOOH W/ TUBING TO ABOVE TOP PERF. EOT AT 4221'.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN. CREW TRAVELED HOME.



Rig/Service: MESA PRODUCTION

End Date:

Report End Date	3/20/2025
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Operation

CREW TRAVEL HOME.

Report End Date	3/21/2025
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Operation

P/U TUBING HANGER. LAND PROD TUBING AS FOLLOWS:

1 - WIRELINE REENTRY GUIDE

KB - 17'

RIG DOWN RIG AND EQUIPMENT. R/D AIR UNIT. PREP FOR RIG MOVE. MOVE OFF RIG. **RIG RELEASED TO THE SUMMIT #6 AT 12:00 ON 3/21/2025. JOB COMPLETE.**

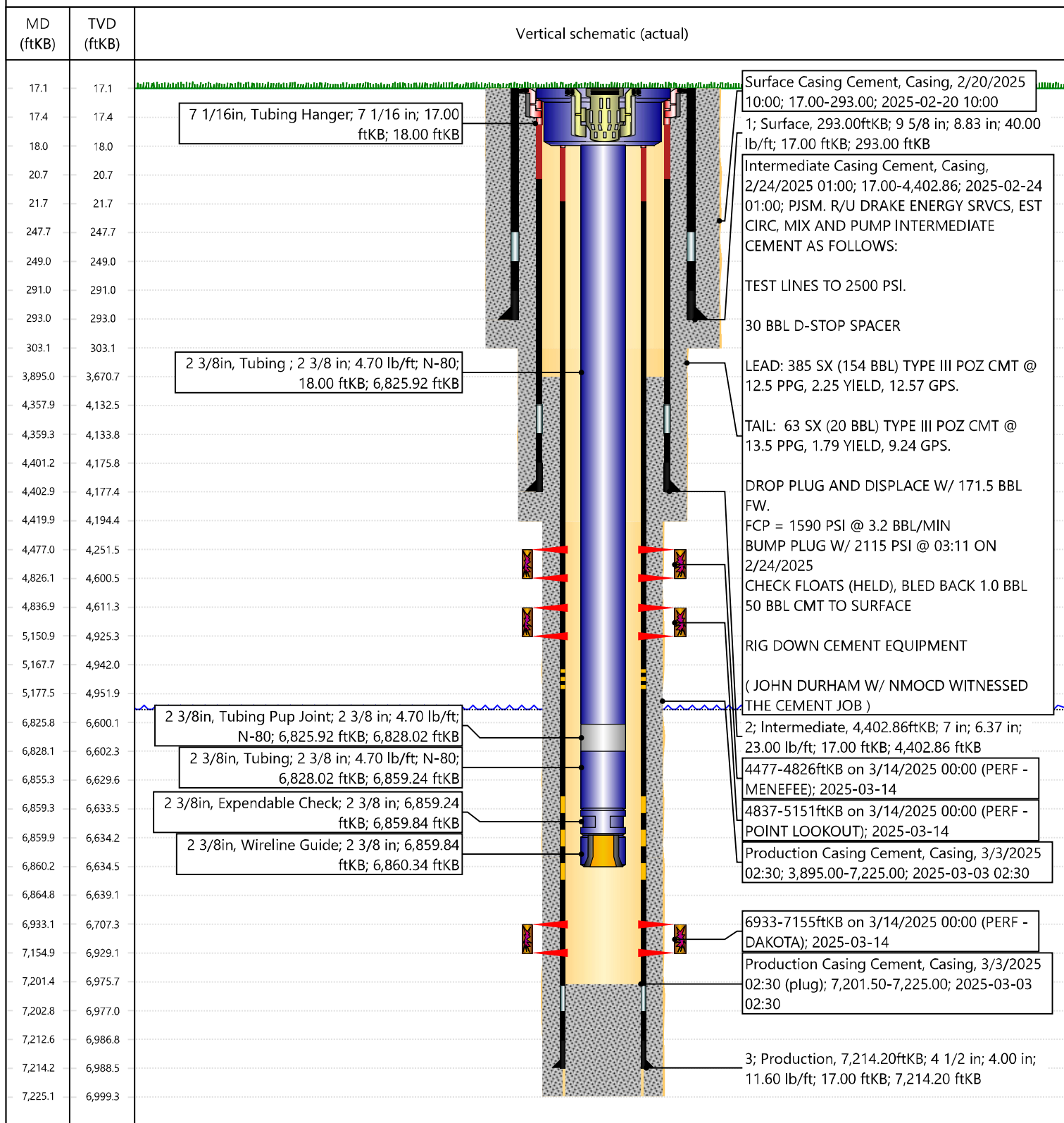


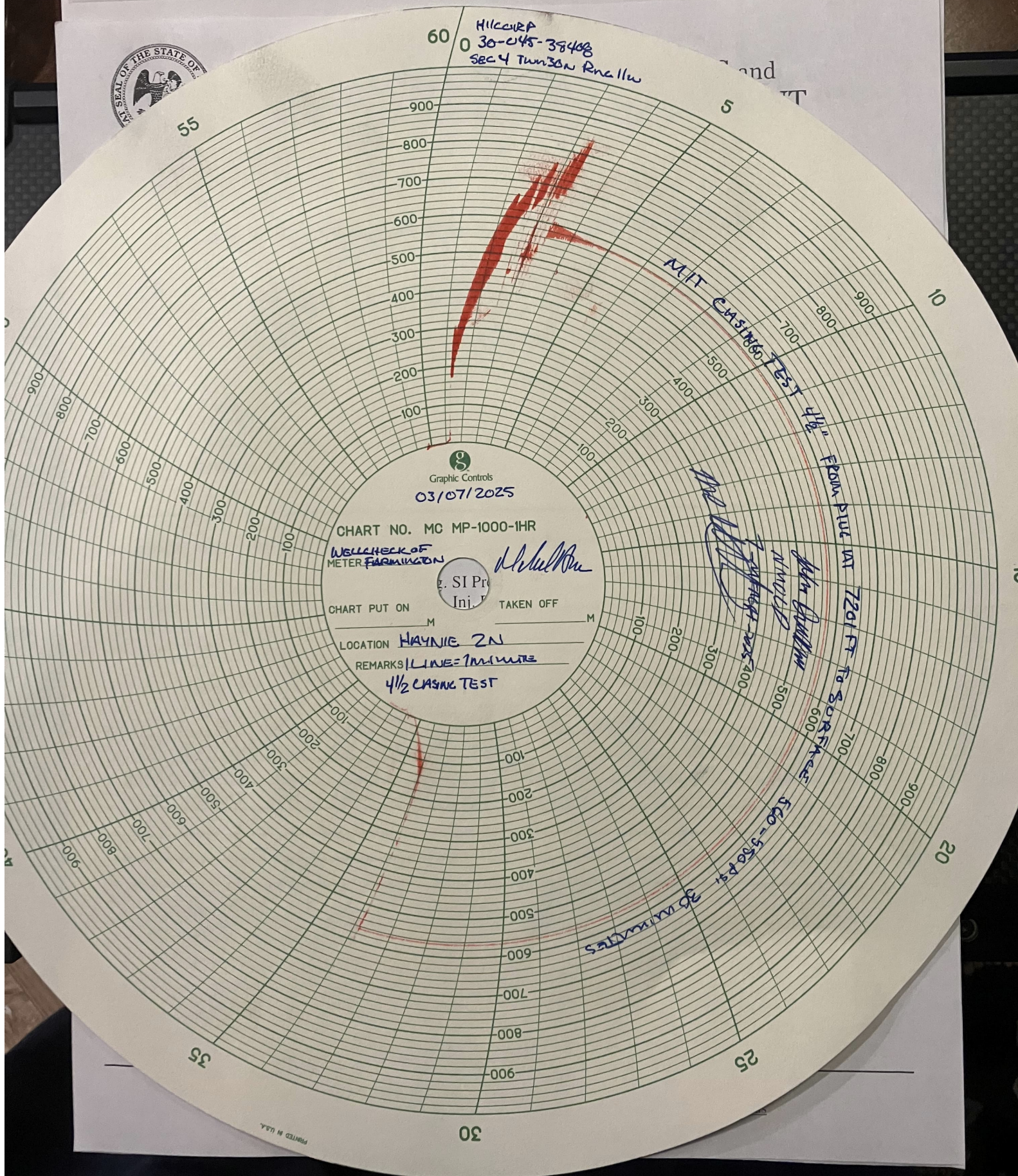
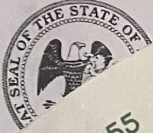
Current Schematic - Version 3

Well Name: Haynie 2N

API / UWI 3004538408	Surface Legal Location NWNE-4-30N-11W	Field Name Blanco Mesaverde	Route	State/Province NEW MEXICO	Well Configuration Type Directional
Ground Elevation (ft) 5,784.00	Original KB/RT Elevation (ft) 5,801.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 17.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
Tubing Strings					
Run Date 3/21/2025 00:00	Set Depth (ftKB) 6,860.34	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 2/19/2025 16:00

Original Hole [Directional]







NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

MECHANICAL INTEGRITY TEST REPORT

(TA OR UIC)

Date of Test 7 MARCH 2009 Operator HILCORP API # 30-0 45-38406

Property Name HAYNIE Well # 22 Location: Unit B Sec 4 Twn 30 Rge 11

Land Type:

State X
Federal _____
Private _____
Indian _____

Well Type:

Water Injection _____
Salt Water Disposal _____
Gas Injection _____
Producing Oil/Gas X
Pressure observation _____

Temporarily Abandoned Well (Y/N): _____ TA Expires: _____

Casing Pres. _____
Bradenhead Pres. _____
Tubing Pres. _____
Int. Casing Pres. _____

Tbg. SI Pres. _____
Tbg. Inj. Pres. _____

Max. Inj. Pres. _____

Pressured annulus up to 560 psi. for 70 mins. Test passed/failed

REMARKS: TESTED FROM 7200 TO SURFACE
1000 PSI SPRING, 60 MINUTE CLOCK. THE CASING WAS
PRESSURED UP TO 560 PSI AND PRESSURE FELL TO 550 PSI.
AND IT HELD FOR THE LAST 10 MINUTES.

By [Signature]
(Operator Representative)

Witness [Signature]
(NMOCD)

(Position)

Revised 02-11-02

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 449370

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 449370
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	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.

Sante Fe Main Office
Phone: (505) 476-3441

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 449370

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 449370
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	4/15/2025