

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 2P	Property Code: 321941
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38420
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 575' North	Ft. from E/W 2432' East	Latitude 36.846654	Longitude -107.995519	County SAN JUAN
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Section 3 – Completion Information

Producing Method	Ready Date ~4/27/2025	Perforations MD ~4,260' - 4,900'	Perforations TVD ~4,202' – 4,842'
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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): N/A	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 387810	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 387810	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: N/A	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC-5468
Production Casing Action ID: 387810	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: 4/21/2025

Cheryl Weston

From: Jackson Lancaster
Sent: Monday, April 21, 2025 10:33 AM
To: Lisa Helper; Jacob Sanchez; Tyler Portwood; Cameron Skelton; Glory Kamat; Sikandar Khan; Griffin Selby; Cheryl Weston
Subject: FW: [EXTERNAL] Permission to Perforate: Haynie 2P (API: 3004538420)

Team

See below for the states approval to perforate on the Haynie 2P.

Thanks,

Jackson Lancaster
SJN Ops Engineer
Hilcorp Energy Company
Office: 713-289-2629
Cell: 432-413-4109

From: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Sent: Monday, April 21, 2025 10:08 AM
To: Jackson Lancaster <Jackson.Lancaster@hilcorp.com>
Cc: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Permission to Perforate: Haynie 2P (API: 3004538420)

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

Jackson-

I approve.

Ward

From: Jackson Lancaster <Jackson.Lancaster@hilcorp.com>
Sent: Monday, April 21, 2025 8:17 AM
To: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Cc: Lisa Helper <lhelper@hilcorp.com>; Jacob Sanchez <Jacob.Sanchez@hilcorp.com>; Sikandar Khan <Sikandar.Khan@hilcorp.com>; Glory Kamat <Glory.Kamat@hilcorp.com>; Cheryl Weston <cweston@hilcorp.com>; Tyler Portwood <Tyler.Portwood@hilcorp.com>; Cameron Skelton <Cameron.Skelton@hilcorp.com>
Subject: [EXTERNAL] Permission to Perforate: Haynie 2P (API: 3004538420)

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

Good morning Ward,

Please see the attached RBL ran on the Haynie 2P New Drill (API: 3004538420). Based on the results of the RBL we believe we have adequate cement coverage above and below both our target intervals. We would like to request permission to perforate the Dakota and the Mesaverde as follows.

Mesaverde 4260' - 4900' MD/ 4202' – 4842' TVD
Dakota 6672' – 6910' MD/ 6614' - 6852' TVD

Thanks,

Jackson Lancaster
SJN Ops Engineer
Hilcorp Energy Company
Office: 713-289-2629
Cell: 432-413-4109

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Survey Certification

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

Operator	HilCorp Energy
Well Name & No.	Haynie 2P
API #	30-045-38420
County & State	San Juan County, NM
SDI Job #	OP.048481
Rig	Drake 3
Survey Date	4/5/2025 to 4/14/2025
GL & KB Elevation	GL 5709' & KB 17' = 5726'

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 6,950 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

21-Apr-2025

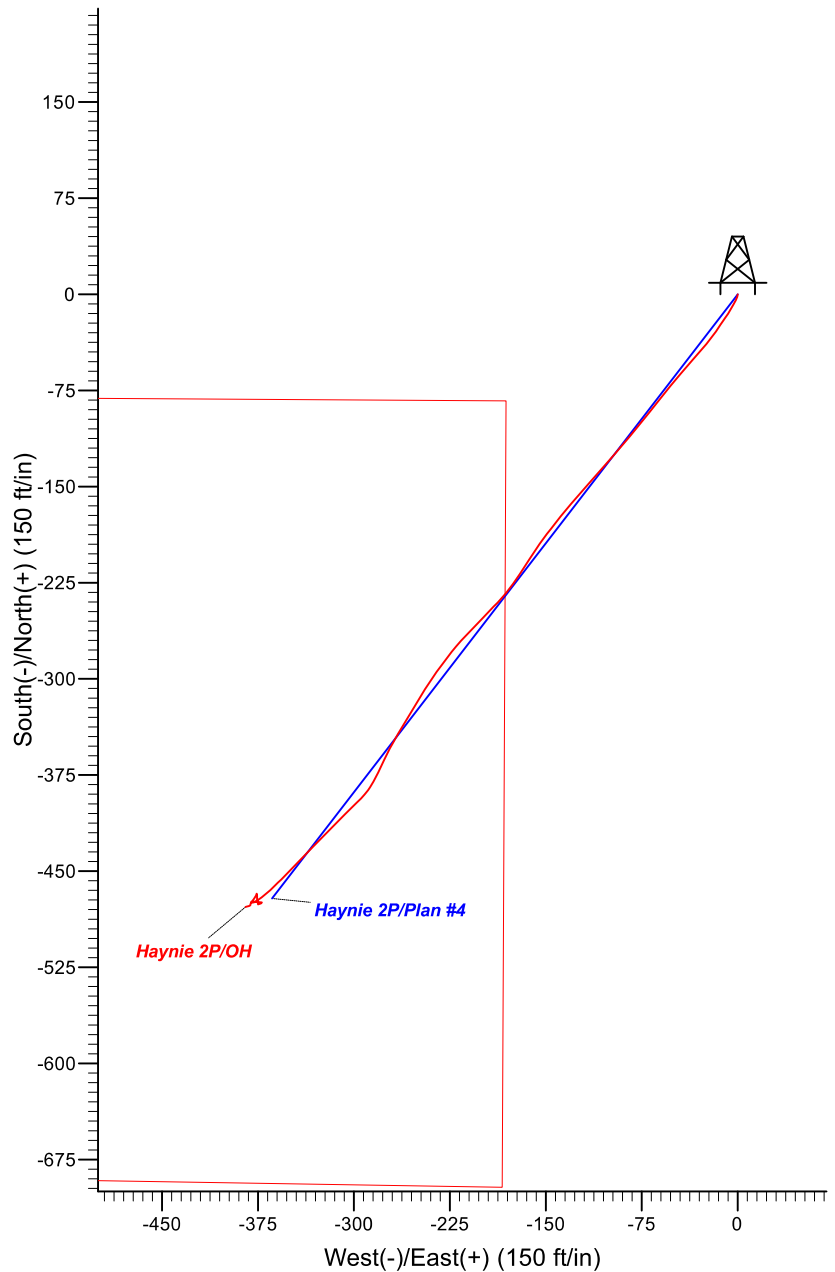
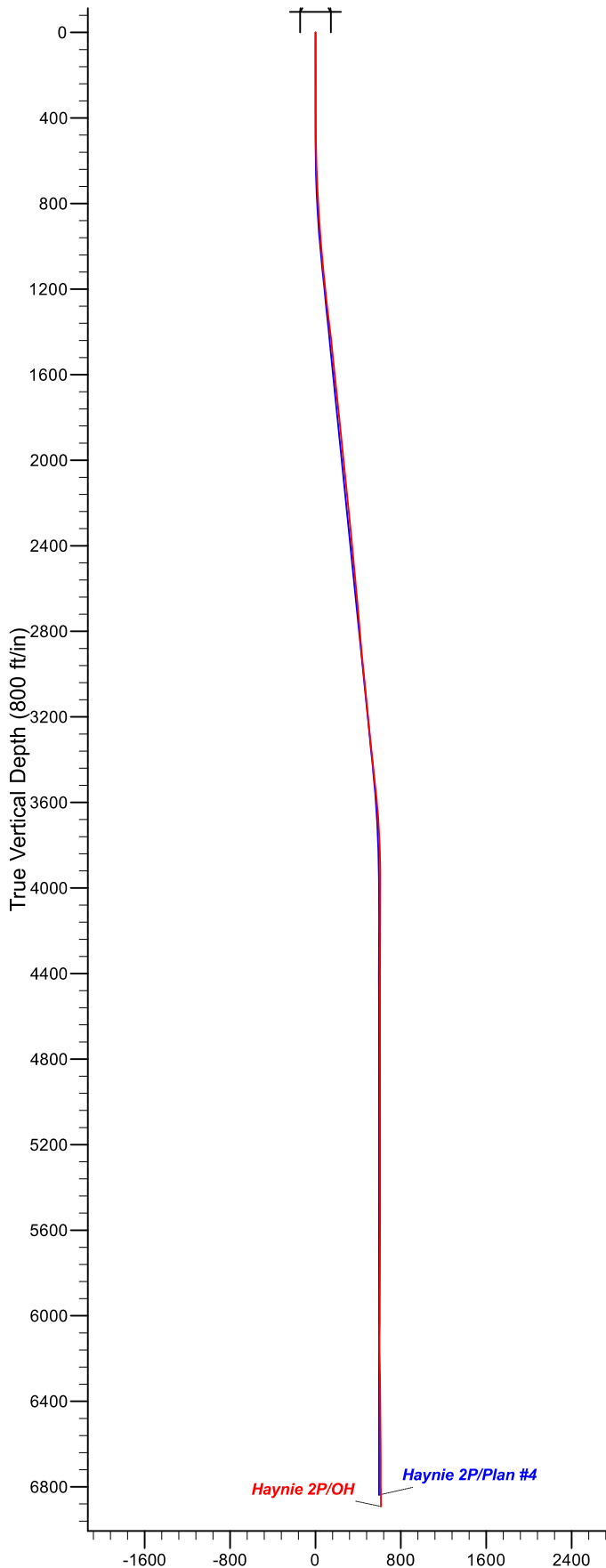
Date

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 2P
 Wellbore: OH
 Design: OH



Well Details: Haynie 2P

		TVD Reference: GL 5709' & RKB 17' @ 5726.00ft (Drake 3)				Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2127545.37	2675637.18	36.846654	-107.995519	

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

9:23, April 22 2025
 Created By: Janie Collins



Hilcorp Energy - San Juan Basin

San Juan, NM NAD83

Haynie Pad

Haynie 2P

OH

Design: OH

Standard Survey Report

22 April, 2025



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2P
Project:	San Juan, NM NAD83	TVD Reference:	GL 5709' & RKB 17' @ 5726.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5709' & RKB 17' @ 5726.00ft (Drake 3)
Well:	Haynie 2P	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 2P					
Well Position	+N/-S	0.00 ft	Northing:	2,127,545.37 usft	Latitude:	36.846654
	+E/-W	0.00 ft	Easting:	2,675,637.18 usft	Longitude:	-107.995519
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,709.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	4/22/2025	8.42	63.13	49,117.20000000

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	217.670	

Survey Program	Date	4/22/2025			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
329.00	513.00	Survey #1 - Surface (OH)	MWD+HDGM	OWSG MWD + HDGM	
575.00	4,014.00	Survey #2 - Intermediate (OH)	MWD+HDGM	OWSG MWD + HDGM	
4,076.00	6,950.00	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	0.49	191.400	329.00	-1.38	-0.28	1.26	0.15	0.15	0.00	
391.00	0.59	192.680	390.99	-1.95	-0.40	1.79	0.16	0.16	2.06	
452.00	1.33	201.260	451.98	-2.92	-0.73	2.75	1.23	1.21	14.07	
513.00	2.21	205.220	512.95	-4.64	-1.48	4.58	1.46	1.44	6.49	
575.00	3.31	210.630	574.88	-7.26	-2.91	7.52	1.82	1.77	8.73	
637.00	3.67	210.190	636.77	-10.52	-4.82	11.27	0.58	0.58	-0.71	
699.00	4.29	210.550	698.62	-14.23	-6.99	15.54	1.00	1.00	0.58	
760.00	5.36	216.270	759.40	-18.49	-9.84	20.65	1.92	1.75	9.38	



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2P
Project:	San Juan, NM NAD83	TVD Reference:	GL 5709' & RKB 17' @ 5726.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5709' & RKB 17' @ 5726.00ft (Drake 3)
Well:	Haynie 2P	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)	
821.00	6.57	214.160	820.07	-23.68	-13.48	26.98	2.02	1.98	-3.46	
883.00	7.82	213.030	881.58	-30.15	-17.77	34.72	2.03	2.02	-1.82	
945.00	9.25	220.190	942.89	-37.49	-23.29	43.91	2.87	2.31	11.55	
1,006.00	9.76	221.710	1,003.06	-45.10	-29.89	53.96	0.93	0.84	2.49	
1,069.00	10.37	220.900	1,065.09	-53.37	-37.16	64.95	0.99	0.97	-1.29	
1,131.00	11.01	219.980	1,126.01	-62.12	-44.62	76.44	1.07	1.03	-1.48	
1,193.00	11.65	219.700	1,186.80	-71.48	-52.42	88.61	1.04	1.03	-0.45	
1,255.00	12.35	218.840	1,247.45	-81.46	-60.58	101.50	1.17	1.13	-1.39	
1,318.00	13.28	218.670	1,308.88	-92.35	-69.32	115.47	1.48	1.48	-0.27	
1,380.00	13.80	219.040	1,369.15	-103.66	-78.43	129.98	0.85	0.84	0.60	
1,443.00	12.61	220.290	1,430.49	-114.74	-87.61	144.36	1.94	-1.89	1.98	
1,506.00	11.92	221.430	1,492.05	-124.86	-96.36	157.72	1.16	-1.10	1.81	
1,568.00	12.28	220.780	1,552.67	-134.66	-104.90	170.70	0.62	0.58	-1.05	
1,631.00	12.02	221.630	1,614.26	-144.63	-113.64	183.93	0.50	-0.41	1.35	
1,694.00	11.32	221.280	1,675.96	-154.18	-122.08	196.64	1.12	-1.11	-0.56	
1,756.00	11.54	220.960	1,736.73	-163.44	-130.16	208.91	0.37	0.35	-0.52	
1,819.00	11.71	219.200	1,798.43	-173.15	-138.33	221.59	0.62	0.27	-2.79	
1,882.00	11.53	216.370	1,860.14	-183.18	-146.10	234.28	0.95	-0.29	-4.49	
1,944.00	11.02	216.370	1,920.95	-192.94	-153.29	246.40	0.82	-0.82	0.00	
2,007.00	11.13	214.770	1,982.77	-202.78	-160.33	258.49	0.52	0.17	-2.54	
2,070.00	11.45	211.710	2,044.55	-213.10	-167.08	270.78	1.08	0.51	-4.86	
2,132.00	11.96	214.110	2,105.27	-223.65	-173.92	283.31	1.14	0.82	3.87	
2,195.00	12.52	221.530	2,166.84	-234.17	-182.11	296.64	2.65	0.89	11.78	
2,257.00	11.74	223.040	2,227.45	-243.81	-190.87	309.63	1.36	-1.26	2.44	
2,320.00	11.01	223.930	2,289.21	-252.83	-199.42	321.99	1.19	-1.16	1.41	
2,383.00	11.25	224.660	2,351.03	-261.53	-207.91	334.07	0.44	0.38	1.16	
2,446.00	11.04	222.410	2,412.84	-270.35	-216.30	346.18	0.77	-0.33	-3.57	
2,508.00	10.49	217.680	2,473.75	-279.20	-223.75	357.74	1.68	-0.89	-7.63	
2,571.00	9.97	216.360	2,535.75	-288.14	-230.49	368.93	0.91	-0.83	-2.10	
2,634.00	9.71	215.860	2,597.82	-296.83	-236.84	379.69	0.43	-0.41	-0.79	
2,697.00	9.60	212.750	2,659.93	-305.56	-242.79	390.23	0.85	-0.17	-4.94	
2,759.00	10.22	210.920	2,721.01	-314.62	-248.41	400.85	1.12	1.00	-2.95	
2,822.00	10.27	211.050	2,783.00	-324.23	-254.18	411.98	0.09	0.08	0.21	
2,885.00	9.99	211.680	2,845.02	-333.69	-259.95	422.99	0.48	-0.44	1.00	
2,947.00	9.86	209.910	2,906.09	-342.87	-265.42	433.60	0.53	-0.21	-2.85	
3,010.00	12.60	208.420	2,967.88	-353.59	-271.38	445.73	4.37	4.35	-2.37	
3,073.00	11.46	205.610	3,029.50	-365.28	-277.36	458.63	2.03	-1.81	-4.46	
3,135.00	11.18	205.430	3,090.29	-376.26	-282.60	470.53	0.46	-0.45	-0.29	
3,198.00	11.45	216.430	3,152.07	-386.81	-288.94	482.75	3.45	0.43	17.46	
3,262.00	12.09	226.590	3,214.73	-396.53	-297.58	495.72	3.38	1.00	15.88	
3,324.00	11.35	224.990	3,275.44	-405.30	-306.61	508.19	1.30	-1.19	-2.58	
3,387.00	10.98	224.240	3,337.25	-413.99	-315.18	520.30	0.63	-0.59	-1.19	
3,450.00	11.83	224.860	3,399.00	-422.86	-323.92	532.67	1.36	1.35	0.98	



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Haynie 2P
Project:	San Juan, NM NAD83	TVD Reference:	GL 5709' & RKB 17' @ 5726.00ft (Drake 3)
Site:	Haynie Pad	MD Reference:	GL 5709' & RKB 17' @ 5726.00ft (Drake 3)
Well:	Haynie 2P	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)	
3,513.00	12.10	223.990	3,460.63	-432.19	-333.06	545.63	0.52	0.43	-1.38	
3,576.00	12.14	223.970	3,522.23	-441.71	-342.25	558.78	0.06	0.06	-0.03	
3,638.00	11.87	224.500	3,582.87	-450.95	-351.24	571.59	0.47	-0.44	0.85	
3,701.00	9.13	225.620	3,644.81	-459.07	-359.36	582.98	4.36	-4.35	1.78	
3,763.00	6.86	227.340	3,706.21	-465.02	-365.60	591.50	3.68	-3.66	2.77	
3,826.00	5.24	232.330	3,768.85	-469.33	-370.64	597.99	2.70	-2.57	7.92	
3,889.00	4.03	235.370	3,831.65	-472.34	-374.74	602.89	1.96	-1.92	4.83	
3,951.00	2.37	245.780	3,893.55	-474.11	-377.70	606.09	2.83	-2.68	16.79	
4,014.00	1.22	269.240	3,956.52	-474.65	-379.56	607.66	2.13	-1.83	37.24	
4,076.00	0.30	330.990	4,018.51	-474.52	-380.30	608.01	1.79	-1.48	99.60	
4,139.00	0.65	66.450	4,081.51	-474.23	-380.05	607.63	1.18	0.56	151.52	
4,200.00	0.93	74.510	4,142.51	-473.96	-379.26	606.93	0.49	0.46	13.21	
4,337.00	1.06	100.680	4,279.49	-473.90	-376.94	605.46	0.34	0.09	19.10	
4,837.00	0.11	56.980	4,779.45	-474.49	-371.99	602.91	0.20	-0.19	-8.74	
5,275.00	0.38	227.650	5,217.45	-475.24	-372.71	603.94	0.11	0.06	38.97	
5,714.00	0.33	283.810	5,656.44	-475.92	-375.02	605.89	0.08	-0.01	12.79	
6,026.00	1.60	2.040	5,968.40	-471.35	-375.73	602.71	0.50	0.41	25.07	
6,089.00	2.22	355.660	6,031.37	-469.26	-375.80	601.09	1.04	0.98	-10.13	
6,152.00	0.78	2.860	6,094.34	-467.61	-375.87	599.83	2.30	-2.29	11.43	
6,215.00	1.11	192.760	6,157.34	-467.78	-375.98	600.03	2.99	0.52	-270.00	
6,278.00	2.03	209.090	6,220.31	-469.35	-376.66	601.69	1.61	1.46	25.92	
6,341.00	2.13	217.110	6,283.27	-471.26	-377.91	603.96	0.49	0.16	12.73	
6,403.00	1.09	207.790	6,345.25	-472.70	-378.88	605.70	1.72	-1.68	-15.03	
6,466.00	1.06	228.640	6,408.24	-473.61	-379.59	606.86	0.62	-0.05	33.10	
6,529.00	1.10	213.940	6,471.23	-474.50	-380.37	608.04	0.44	0.06	-23.33	
6,591.00	0.77	180.790	6,533.22	-475.41	-380.71	608.96	1.00	-0.53	-53.47	
6,654.00	0.44	205.090	6,596.21	-476.05	-380.81	609.54	0.65	-0.52	38.57	
6,717.00	0.54	206.500	6,659.21	-476.54	-381.05	610.06	0.16	0.16	2.24	
6,780.00	0.61	228.840	6,722.21	-477.02	-381.43	610.68	0.37	0.11	35.46	
6,841.00	1.18	255.420	6,783.20	-477.40	-382.29	611.50	1.13	0.93	43.57	
6,894.00	1.34	257.070	6,836.19	-477.67	-383.42	612.41	0.31	0.30	3.11	
6,950.00	1.34	257.070	6,892.17	-477.96	-384.70	613.42	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____

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 454190

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 454190
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 454190

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 454190
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/27/2025.	4/23/2025