

Santa Fe Main Office Phone: (505) 476-3441 Fax: (505) 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: Pubco Federal Gas Com 1N	Property Code: 319061
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38423
Pool Name: BASIN DAKOTA	Pool Code: 71599

Section 2 – Surface Location

UL I	Section 14	Township 030N	Range 011W	Lot	Ft. from N/S 1745' South	Ft. from E/W 1132' East	Latitude 36.809563	Longitude -107.95546	County SAN JUAN
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Section 3 – Completion Information

Producing Method	Ready Date ~4/26/2025	Perforations MD ~6,900' – 7,180'	Perforations TVD ~6,892' – 7,172'
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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: 386746	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 386746	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: N/A	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC-5477
Production Casing Action ID: 386746	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: 4/18/2025

Cheryl Weston

From: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Sent: Thursday, April 17, 2025 5:24 PM
To: Jackson Lancaster
Cc: Lisa Helper; Jacob Sanchez; Glory Kamat; Cheryl Weston; Sikandar Khan; Griffin Selby
Subject: RE: [EXTERNAL] Pubco Federal Gas Com 1N (API: 3004538423)

Follow Up Flag: Flag for follow up
Flag Status: Flagged

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

Jackson-

Approved.

Ward

From: Jackson Lancaster <Jackson.Lancaster@hilcorp.com>
Sent: Thursday, April 17, 2025 3:44 PM
To: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Cc: Lisa Helper <lhelper@hilcorp.com>; Jacob Sanchez <Jacob.Sanchez@hilcorp.com>; Glory Kamat <Glory.Kamat@hilcorp.com>; Cheryl Weston <cweston@hilcorp.com>; Sikandar Khan <Sikandar.Khan@hilcorp.com>; Griffin Selby <Griffin.Selby@hilcorp.com>
Subject: [EXTERNAL] Pubco Federal Gas Com 1N (API: 3004538423)

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

Good afternoon Ward,

Based on our recent conversation regarding the cement on the Pubco Federal Gas Com 1N (API: 3004538423) we would like to request permission to perforate the Pubco Federal Gas Com 1N in the **Dakota formation from (6,900'-7,180') Measured Depth** and in the **Mesaverde formation from 4550'-5,206' Measured Depth**. In terms of True Vertical Depth(TVD) these would correlate with 6,892'-7,172' TVD in the Dakota and 4,542'-5,198' TVD in the MV.

I have attached the RBL for your reference again here.

Thanks again for the time this afternoon.

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

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 30-045-38423	Pool Code 71599	Pool Name BASIN DAKOTA
Property Code 319061	Property Name PUBCO FEDERAL GAS COM	Well Number 1N
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 6027'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL I	Section 14	Township 30N	Range 11W	Lot	Feet from N/S Line 1745' SOUTH	Feet from E/W Line 1132' EAST	Latitude 36.809563 °N	Longitude -107.955460 °W	County SAN JUAN
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Bottom Hole Location

UL I	Section 14	Township 30N	Range 11W	Lot	Feet from N/S Line 1893' SOUTH	Feet from E/W Line 1266' EAST	Latitude 36.809978 °N	Longitude -107.955918 °W	County SAN JUAN
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Dedicated Acres 313.81	Penetrated Spacing Unit: S/2 - Section 14, T30N, R11W	Infill or Defining Well Infill	Defining Well API 30-045-35369	Overlapping Spacing Unit ☐ Yes ☒ No	Consolidation Code C
Order Numbers DHC 5477			Well setbacks are under Common Ownership: ☐ Yes ☐ No		

Kick Off Point (KOP)

UL I	Section 14	Township 30N	Range 11W	Lot	Feet from N/S Line 1742' SOUTH	Feet from E/W Line 1132' EAST	Latitude 36.809554 °N	Longitude -107.955462 °W	County SAN JUAN
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First Take Point (FTP)

UL I	Section 14	Township 30N	Range 11W	Lot	Feet from N/S Line 1892' SOUTH	Feet from E/W Line 1257' EAST	Latitude 36.809975 °N	Longitude -107.955886 °W	County SAN JUAN
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Last Take Point (LTP)

UL I	Section 14	Township 30N	Range 11W	Lot	Feet from N/S Line 1892' SOUTH	Feet from E/W Line 1266' EAST	Latitude 36.809977 °N	Longitude -107.955918 °W	County SAN JUAN
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical ☒ Directional	Ground Floor Elevation 6027'
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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 4/18/2025 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 21, 2024
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SURFACE LOCATION (A)
1745' FSL 1132' FEL
SECTION 14, T30N, R11W
LAT 36.809559 °N
LONG -107.954837 °W
DATUM: NAD1927

LAT 36.809563 °N
LONG -107.955460 °W
DATUM: NAD1983

KICK OFF POINT (B)
1742' FSL 1132' FEL
SECTION 14, T30N, R11W
LAT 36.809550 °N
LONG -107.954840 °W
DATUM: NAD1927

LAT 36.809554 °N
LONG -107.955462 °W
DATUM: NAD1983

FIRST TAKE POINT (C)
1892' FSL 1257' FEL
SECTION 14, T30N, R11W
LAT 36.809971 °N
LONG -107.955264 °W
DATUM: NAD1927

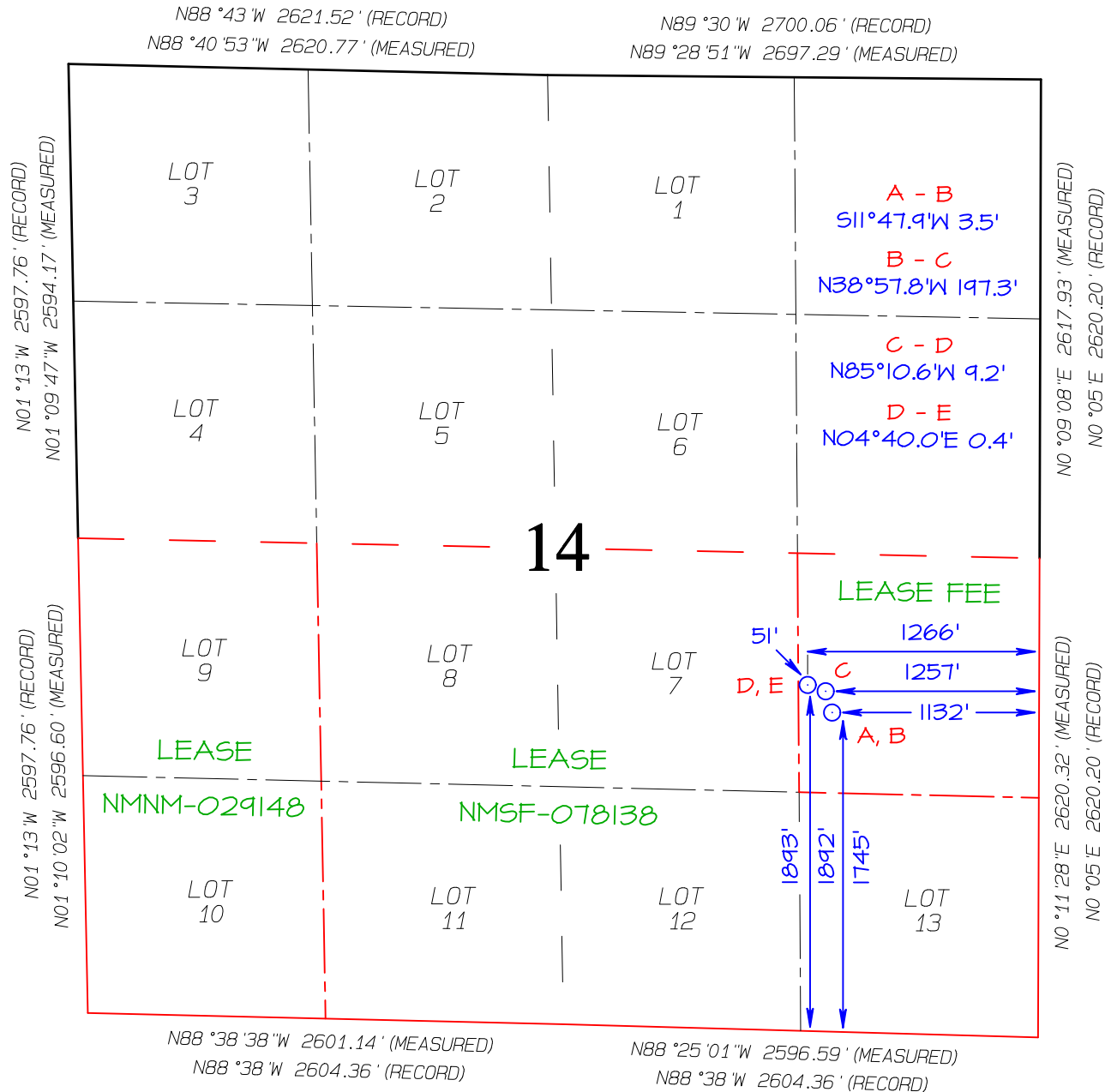
LAT 36.809975 °N
LONG -107.955886 °W
DATUM: NAD1983

LAST TAKE POINT (D)
1892' FSL 1266' FEL
SECTION 14, T30N, R11W
LAT 36.809973 °N
LONG -107.955295 °W
DATUM: NAD1927

LAT 36.809977 °N
LONG -107.955918 °W
DATUM: NAD1983

BOTTOM HOLE LOCATION (E)
1893' FSL 1266' FEL
SECTION 14, T30N, R11W
LAT 36.809974 °N
LONG -107.955295 °W
DATUM: NAD1927

LAT 36.809978 °N
LONG -107.955918 °W
DATUM: NAD1983





Survey Certification

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

Operator	HilCorp Energy
Well Name & No.	Punco Federal Gas Com 1N
API #	30-045-38423
County & State	San Juan County, NM
SDI Job #	OP.048342
Rig	Drake 3
Survey Date	3/27/2025 to 4/2/2025
GL & KB Elevation	GL 6027 & KB 17' = 6044'

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 327 feet to a measured depth of 7,231 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-Apr-2025

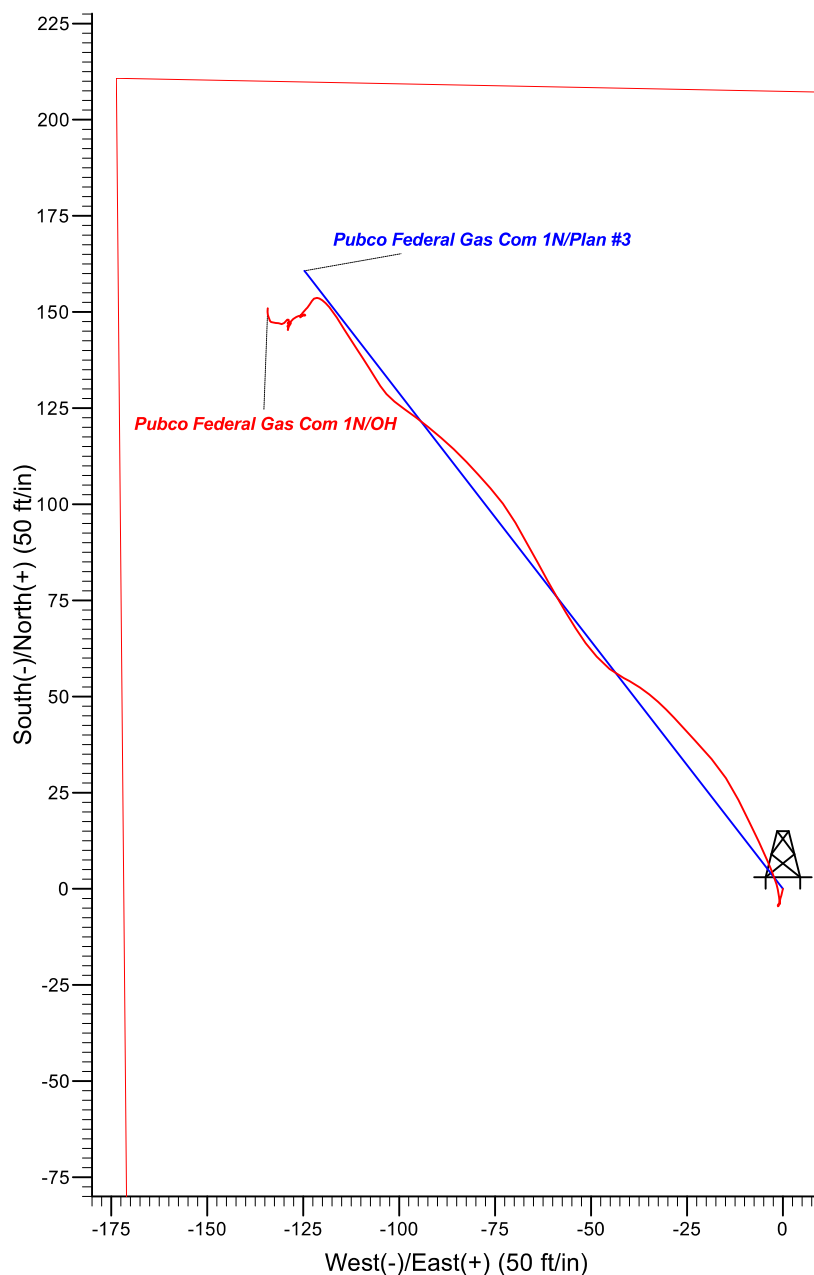
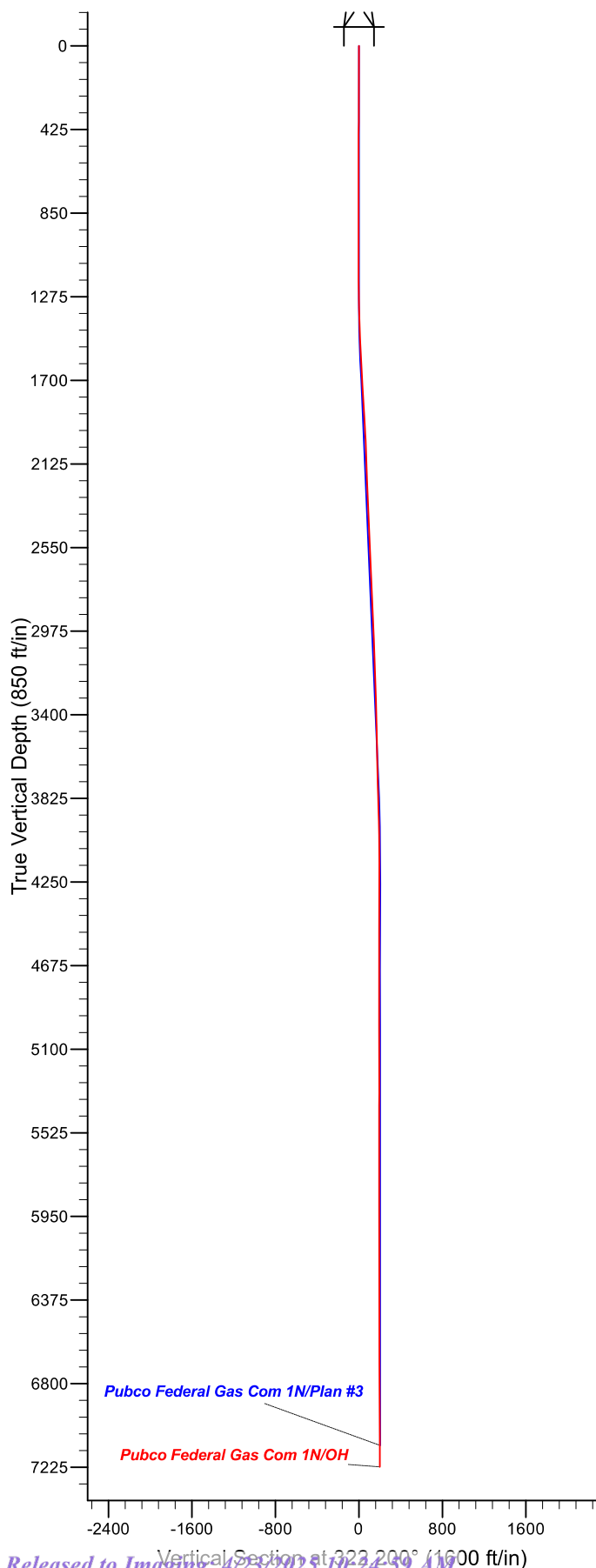
Date

Janie Collins

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Company: Hilcorp Energy - San Juan Basin
 Project: San Juan, NM NAD83
 Site: Pubco Federal Gas Com Pad
 Well: Pubco Federal Gas Com 1N
 Wellbore: OH
 Design: OH



Well Details: Pubco Federal Gas Com 1N

TVD Reference: GL 6027' & RKB 17' @ 6044.00ft (Drake 3)					Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	2114121.70	2687173.91	36.809829	-107.956031

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

12:36, April 03 2025
 Created By: Janie Collins



Hilcorp Energy - San Juan Basin

San Juan, NM NAD83

Pubco Federal Gas Com Pad

Pubco Federal Gas Com 1N

OH

Design: OH

Standard Survey Report

03 April, 2025



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Pubco Federal Gas Com 1N
Project:	San Juan, NM NAD83	TVD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Site:	Pubco Federal Gas Com Pad	MD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Well:	Pubco Federal Gas Com 1N	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	Pubco Federal Gas Com Pad				
Site Position:		Northing:	2,114,121.69 usft	Latitude:	36.809829
From:	Lat/Long	Easting:	2,687,173.91 usft	Longitude:	-107.956031
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-0.07 °

Well	Pubco Federal Gas Com 1N					
Well Position	+N/-S	0.00 ft	Northing:	2,114,121.69 usft	Latitude:	36.809829
	+E/-W	0.00 ft	Easting:	2,687,173.91 usft	Longitude:	-107.956031
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,027.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	3/26/2025	8.42	63.13	49,105.00000000

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	322.200	

Survey Program	Date	4/3/2025			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
327.00	1,256.00	Survey #1 - Surface (OH)	MWD+HDGM	OWSG MWD + HDGM	
1,318.00	4,012.00	Survey #2 - Intermediate (OH)	MWD+HDGM	OWSG MWD + HDGM	
4,074.00	7,231.00	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	
327.00	0.62	194.150	326.99	-1.72	-0.43	-1.09	0.19	0.19	0.00	
388.00	0.70	193.740	387.99	-2.40	-0.60	-1.53	0.13	0.13	-0.67	
450.00	0.71	190.210	449.98	-3.14	-0.76	-2.02	0.07	0.02	-5.69	
512.00	0.74	195.010	511.98	-3.91	-0.93	-2.52	0.11	0.05	7.74	
573.00	0.34	214.500	572.98	-4.44	-1.14	-2.81	0.71	-0.66	31.95	
635.00	0.18	335.830	634.98	-4.50	-1.28	-2.77	0.74	-0.26	195.69	
697.00	0.20	8.400	696.98	-4.30	-1.30	-2.60	0.17	0.03	52.53	
758.00	0.14	25.880	757.98	-4.13	-1.26	-2.50	0.13	-0.10	28.66	



Scientific Drilling

Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Pubco Federal Gas Com 1N
Project:	San Juan, NM NAD83	TVD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Site:	Pubco Federal Gas Com Pad	MD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Well:	Pubco Federal Gas Com 1N	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)
819.00	0.12	28.460	818.98	-4.01	-1.19	-2.44	0.03	-0.03	4.23
882.00	0.11	52.880	881.98	-3.91	-1.11	-2.41	0.08	-0.02	38.76
944.00	0.14	79.560	943.98	-3.86	-0.99	-2.45	0.10	0.05	43.03
1,005.00	0.10	100.280	1,004.98	-3.86	-0.87	-2.52	0.10	-0.07	33.97
1,069.00	0.08	80.870	1,068.98	-3.86	-0.77	-2.58	0.06	-0.03	-30.33
1,131.00	0.11	315.560	1,130.98	-3.81	-0.77	-2.54	0.27	0.05	-202.11
1,193.00	0.71	353.480	1,192.97	-3.39	-0.85	-2.16	1.01	0.97	61.16
1,256.00	1.47	353.740	1,255.96	-2.20	-0.98	-1.13	1.21	1.21	0.41
1,318.00	2.30	348.420	1,317.93	-0.19	-1.32	0.66	1.37	1.34	-8.58
1,381.00	3.77	340.240	1,380.84	3.00	-2.27	3.76	2.43	2.33	-12.98
1,444.00	4.75	336.440	1,443.66	7.34	-4.02	8.26	1.62	1.56	-6.03
1,506.00	5.14	335.040	1,505.43	12.21	-6.21	13.46	0.66	0.63	-2.26
1,569.00	5.52	333.310	1,568.16	17.47	-8.77	19.18	0.65	0.60	-2.75
1,632.00	5.96	333.540	1,630.84	23.11	-11.59	25.36	0.70	0.70	0.37
1,695.00	5.91	327.050	1,693.51	28.76	-14.81	31.80	1.07	-0.08	-10.30
1,757.00	5.76	318.900	1,755.19	33.78	-18.59	38.09	1.36	-0.24	-13.15
1,820.00	6.13	317.330	1,817.85	38.64	-22.95	44.59	0.64	0.59	-2.49
1,882.00	6.49	317.590	1,879.47	43.66	-27.55	51.39	0.58	0.58	0.42
1,945.00	6.15	312.720	1,942.09	48.58	-32.43	58.26	1.01	-0.54	-7.73
2,008.00	4.88	302.220	2,004.80	52.30	-37.18	64.11	2.57	-2.02	-16.67
2,072.00	4.02	298.340	2,068.60	54.81	-41.46	68.72	1.42	-1.34	-6.06
2,134.00	4.20	308.130	2,130.45	57.25	-45.16	72.91	1.17	0.29	15.79
2,197.00	4.28	318.810	2,193.27	60.44	-48.52	77.50	1.26	0.13	16.95
2,259.00	4.05	323.350	2,255.11	63.94	-51.35	81.99	0.65	-0.37	7.32
2,322.00	4.30	327.040	2,317.94	67.70	-53.96	86.57	0.58	0.40	5.86
2,385.00	4.43	329.450	2,380.76	71.78	-56.48	91.34	0.36	0.21	3.83
2,447.00	4.09	329.780	2,442.59	75.75	-58.81	95.91	0.55	-0.55	0.53
2,510.00	4.60	331.130	2,505.41	79.91	-61.17	100.63	0.83	0.81	2.14
2,573.00	5.32	331.400	2,568.17	84.68	-63.78	106.01	1.14	1.14	0.43
2,635.00	5.68	330.720	2,629.89	89.88	-66.66	111.88	0.59	0.58	-1.10
2,697.00	5.70	330.110	2,691.58	95.23	-69.69	117.96	0.10	0.03	-0.98
2,760.00	5.04	323.320	2,754.31	100.16	-72.91	123.83	1.45	-1.05	-10.78
2,823.00	4.39	318.170	2,817.09	104.18	-76.17	129.00	1.23	-1.03	-8.17
2,885.00	4.27	317.770	2,878.92	107.65	-79.30	133.67	0.20	-0.19	-0.65
2,947.00	4.27	316.570	2,940.74	111.04	-82.44	138.27	0.14	0.00	-1.94
3,010.00	4.19	314.020	3,003.57	114.34	-85.71	142.88	0.32	-0.13	-4.05
3,073.00	3.91	309.190	3,066.41	117.30	-89.03	147.25	0.70	-0.44	-7.67
3,136.00	4.00	309.410	3,129.26	120.05	-92.39	151.49	0.14	0.14	0.35
3,198.00	3.62	307.470	3,191.13	122.62	-95.61	155.49	0.65	-0.61	-3.13
3,261.00	3.14	303.940	3,254.02	124.79	-98.62	159.05	0.83	-0.76	-5.60
3,324.00	2.81	309.680	3,316.93	126.74	-101.24	162.20	0.71	-0.52	9.11
3,386.00	2.34	318.300	3,378.87	128.65	-103.26	164.94	0.98	-0.76	13.90
3,449.00	2.49	326.700	3,441.81	130.76	-104.86	167.59	0.61	0.24	13.33



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Pubco Federal Gas Com 1N
Project:	San Juan, NM NAD83	TVD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Site:	Pubco Federal Gas Com Pad	MD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Well:	Pubco Federal Gas Com 1N	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)
3,511.00	2.49	329.060	3,503.76	133.04	-106.29	170.27	0.17	0.00	3.81
3,574.00	2.60	327.900	3,566.69	135.42	-107.76	173.05	0.19	0.17	-1.84
3,636.00	2.71	326.760	3,628.63	137.84	-109.31	175.91	0.20	0.18	-1.84
3,699.00	2.63	326.330	3,691.56	140.29	-110.93	178.84	0.13	-0.13	-0.68
3,761.00	2.99	327.020	3,753.48	142.83	-112.59	181.87	0.58	0.58	1.11
3,823.00	3.10	327.810	3,815.40	145.60	-114.37	185.15	0.19	0.18	1.27
3,886.00	3.26	327.200	3,878.30	148.55	-116.25	188.63	0.26	0.25	-0.97
3,949.00	2.86	321.290	3,941.21	151.28	-118.20	191.98	0.81	-0.63	-9.38
4,012.00	1.86	304.440	4,004.16	153.09	-120.03	194.53	1.92	-1.59	-26.75
4,074.00	0.95	273.730	4,066.14	153.69	-121.37	195.83	1.86	-1.47	-49.53
4,137.00	0.68	229.900	4,129.13	153.48	-122.17	196.16	1.04	-0.43	-69.57
4,199.00	0.86	212.990	4,191.13	152.86	-122.71	195.99	0.46	0.29	-27.27
4,262.00	0.97	213.740	4,254.12	152.02	-123.26	195.67	0.18	0.17	1.19
4,325.00	0.90	220.810	4,317.11	151.20	-123.88	195.40	0.21	-0.11	11.22
4,357.00	0.76	224.420	4,349.11	150.86	-124.20	195.32	0.47	-0.44	11.28
4,455.00	0.92	217.780	4,447.10	149.77	-125.13	195.04	0.19	0.16	-6.78
4,518.00	0.88	214.490	4,510.09	148.97	-125.72	194.76	0.10	-0.06	-5.22
4,580.00	0.41	75.460	4,572.09	148.64	-125.77	194.53	1.97	-0.76	-224.24
4,643.00	0.73	44.420	4,635.08	148.98	-125.27	194.50	0.69	0.51	-49.27
4,706.00	0.27	63.490	4,698.08	149.33	-124.86	194.52	0.77	-0.73	30.27
4,768.00	0.27	100.070	4,760.08	149.37	-124.58	194.38	0.27	0.00	59.00
4,830.00	0.33	183.080	4,822.08	149.17	-124.45	194.14	0.65	0.10	133.89
4,893.00	0.31	304.700	4,885.08	149.08	-124.60	194.17	0.89	-0.03	193.05
4,956.00	0.32	272.490	4,948.08	149.19	-124.92	194.44	0.28	0.02	-51.13
5,019.00	0.44	262.880	5,011.08	149.17	-125.33	194.68	0.22	0.19	-15.25
5,081.00	0.69	251.340	5,073.07	149.02	-125.92	194.92	0.44	0.40	-18.61
5,144.00	0.43	246.260	5,136.07	148.80	-126.50	195.11	0.42	-0.41	-8.06
5,207.00	0.45	238.220	5,199.07	148.57	-126.92	195.19	0.10	0.03	-12.76
5,270.00	0.50	251.940	5,262.07	148.36	-127.40	195.31	0.20	0.08	21.78
5,332.00	0.59	213.110	5,324.06	148.01	-127.83	195.30	0.60	0.15	-62.63
5,395.00	0.77	218.310	5,387.06	147.40	-128.27	195.09	0.30	0.29	8.25
5,458.00	0.74	216.300	5,450.05	146.74	-128.77	194.87	0.06	-0.05	-3.19
5,521.00	0.20	208.130	5,513.05	146.32	-129.06	194.72	0.86	-0.86	-12.97
5,584.00	0.22	112.230	5,576.05	146.18	-129.00	194.57	0.50	0.03	-152.22
5,647.00	0.41	174.690	5,639.05	145.91	-128.87	194.27	0.58	0.30	99.14
5,710.00	0.63	193.530	5,702.05	145.34	-128.93	193.87	0.44	0.35	29.90
5,773.00	0.65	358.080	5,765.05	145.37	-129.02	193.94	2.01	0.03	261.19
5,836.00	0.94	29.450	5,828.04	146.17	-128.78	194.43	0.81	0.46	49.79
5,899.00	0.50	42.400	5,891.04	146.83	-128.34	194.68	0.74	-0.70	20.56
5,961.00	0.19	357.860	5,953.03	147.13	-128.16	194.81	0.63	-0.50	-71.84
6,024.00	0.20	245.370	6,016.03	147.19	-128.27	194.92	0.51	0.02	-178.56
6,087.00	0.38	263.810	6,079.03	147.12	-128.57	195.05	0.32	0.29	29.27
6,150.00	0.45	249.900	6,142.03	147.01	-129.01	195.23	0.19	0.11	-22.08



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Pubco Federal Gas Com 1N
Project:	San Juan, NM NAD83	TVD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Site:	Pubco Federal Gas Com Pad	MD Reference:	GL 6027' & RKB 17' @ 6044.00ft (Drake 3)
Well:	Pubco Federal Gas Com 1N	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)
6,212.00	0.53	48.300	6,204.03	147.12	-129.03	195.33	1.55	0.13	255.48
6,275.00	0.51	13.060	6,267.03	147.58	-128.75	195.53	0.50	-0.03	-55.94
6,338.00	0.30	317.790	6,330.03	147.98	-128.80	195.87	0.67	-0.33	-87.73
6,400.00	0.41	245.050	6,392.03	148.01	-129.11	196.08	0.69	0.18	-117.32
6,463.00	0.54	212.010	6,455.02	147.66	-129.47	196.03	0.47	0.21	-52.44
6,525.00	0.74	229.200	6,517.02	147.15	-129.92	195.90	0.44	0.32	27.73
6,588.00	0.64	267.870	6,580.02	146.87	-130.58	196.09	0.74	-0.16	61.38
6,651.00	0.41	308.920	6,643.01	147.00	-131.11	196.51	0.68	-0.37	65.16
6,714.00	1.55	273.280	6,706.00	147.19	-132.14	197.29	1.97	1.81	-56.57
6,776.00	0.79	299.650	6,767.99	147.45	-133.35	198.24	1.47	-1.23	42.53
6,839.00	0.15	53.460	6,830.99	147.71	-133.66	198.64	1.37	-1.02	180.65
6,902.00	0.15	310.330	6,893.99	147.82	-133.65	198.72	0.37	0.00	-163.70
6,964.00	0.44	342.020	6,955.99	148.10	-133.79	199.02	0.52	0.47	51.11
7,027.00	0.58	343.190	7,018.99	148.63	-133.96	199.54	0.22	0.22	1.86
7,090.00	0.69	341.390	7,081.98	149.30	-134.17	200.20	0.18	0.17	-2.86
7,152.00	0.64	2.360	7,143.98	150.00	-134.27	200.82	0.40	-0.08	33.82
7,176.00	0.73	4.600	7,167.98	150.28	-134.26	201.03	0.39	0.38	9.33
7,231.00	0.73	4.600	7,222.97	150.98	-134.20	201.55	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 453456

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 453456
	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.

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CONDITIONS

Action 453456

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 453456
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/26/2025.	4/23/2025