

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: CALLOWAY 2M	Property Code: 318877
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38406
Pool Name: BLANCO MESAVERDE	Pool Code: 72319

Section 2 – Surface Location

UL H	Section 34	Township 031N	Range 011W	Lot	Ft. from N/S 2470' North	Ft. from E/W 948' East	Latitude 36.855748	Longitude -107.972688	County SAN JUAN
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Section 3 – Completion Information

Producing Method	Ready Date ~4/3/2025	Perforations MD ~4,244' – 5,106'	Perforations TVD ~4,000' - 4,860'
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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: 385353	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 385353	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: N/A	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC-5467
Production Casing Action ID: 386634	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: 3/28/2025

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 30-045-38406	Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 318877	Property Name CALLOWAY	Well Number 2M
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 5659'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL H	Section 34	Township 31N	Range 11W	Lot	Feet from N/S Line 2470' NORTH	Feet from E/W Line 948' EAST	Latitude 36.855748 °N	Longitude -107.972688 °W	County SAN JUAN
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Bottom Hole Location

UL J	Section 34	Township 31N	Range 11W	Lot	Feet from N/S Line 2110' SOUTH	Feet from E/W Line 1938' EAST	Latitude 36.853944 °N	Longitude -107.976034 °W	County SAN JUAN
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Dedicated Acres 320.00	Penetrated Spacing Unit: E/2 - Section 34, T31N, R11W	Infill or Defining Well Infill	Defining Well API 30-045-23366	Overlapping Spacing Unit ☐ Yes ☒ No	Consolidation Code
Order Numbers DHC 5467			Well setbacks are under Common Ownership: ☐ Yes ☐ No		

Kick Off Point (KOP)

UL H	Section 34	Township 31N	Range 11W	Lot	Feet from N/S Line 2472' NORTH	Feet from E/W Line 947' EAST	Latitude 36.855742 °N	Longitude -107.972685 °W	County SAN JUAN
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First Take Point (FTP)

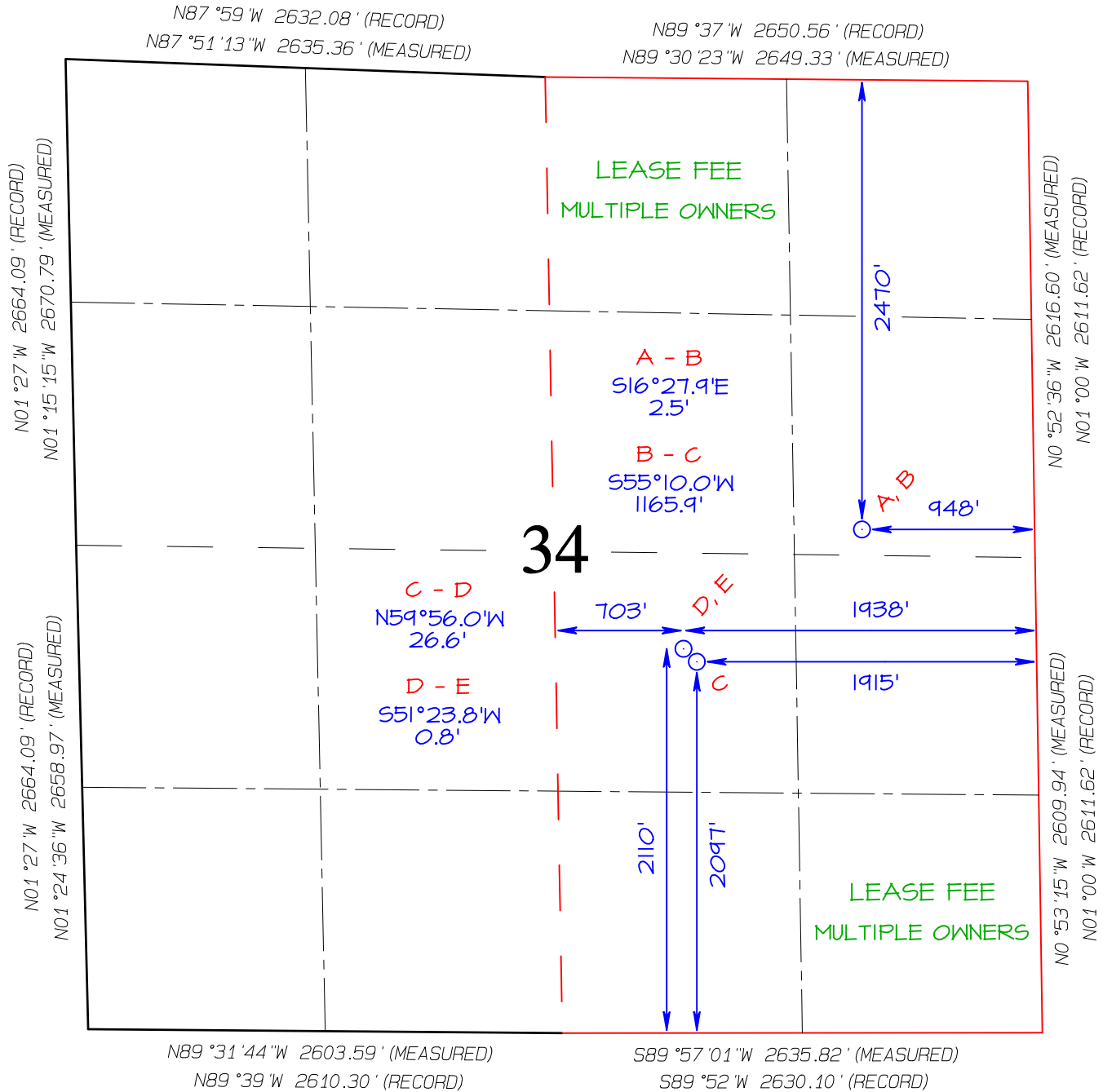
UL J	Section 34	Township 31N	Range 11W	Lot	Feet from N/S Line 2097' SOUTH	Feet from E/W Line 1915' EAST	Latitude 36.853908 °N	Longitude -107.975953 °W	County SAN JUAN
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Last Take Point (LTP)

UL J	Section 34	Township 31N	Range 11W	Lot	Feet from N/S Line 2111' SOUTH	Feet from E/W Line 1937' EAST	Latitude 36.853945 °N	Longitude -107.976032 °W	County SAN JUAN
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☐ Vertical ☒ Directional	Ground Floor Elevation 5659'
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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 Cherylene Weston, Operations/Regulatory Tech-Sr. Printed Name cweston@hilcorp.com E-mail Address 4/1/2025 Date	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 <table><tr><td>Certificate Number 15269</td><td>Date of Survey NOVEMBER 7, 2024</td></tr></table>	Certificate Number 15269	Date of Survey NOVEMBER 7, 2024
Certificate Number 15269	Date of Survey NOVEMBER 7, 2024		



BOTTOM-HOLE LOC (E)
2110' FSL 1938' FEL
LAT 36.853940°N
LONG -107.975411°W
DATUM: NAD1927

LAT 36.853944°N
LONG -107.976034°W
DATUM: NAD1983

LAST TAKE POINT (D)
2111' FSL 1937' FEL
LAT 36.853941°N
LONG -107.975409°W
DATUM: NAD1927

LAT 36.853945°N
LONG -107.976032°W
DATUM: NAD1983

FIRST TAKE POINT (C)
2097' FSL 1915' FEL
LAT 36.853905°N
LONG -107.975330°W
DATUM: NAD1927

LAT 36.853908°N
LONG -107.975953°W
DATUM: NAD1983

KICK OFF POINT (B)
2472' FNL 947' FEL
LAT 36.855738°N
LONG -107.972062°W
DATUM: NAD1927

LAT 36.855742°N
LONG -107.972685°W
DATUM: NAD1983

SURFACE LOCATION (A)
2470' FNL 948' FEL
LAT 36.855745°N
LONG -107.972065°W
DATUM: NAD1927

LAT 36.855748°N
LONG -107.972688°W
DATUM: NAD1983



Survey Certification

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

Operator	HilCorp Energy
Well Name & No.	Calloway 2M ST1
API #	30-045-38406
County & State	San Juan County, NM
SDI Job #	OP.048091
Rig	Drake 3
Survey Date	3/19/2025 to 3/23/2025
GL & KB Elevation	GL 5659 & KB 17' = 5676'

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 7,146 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

27-Mar-2025

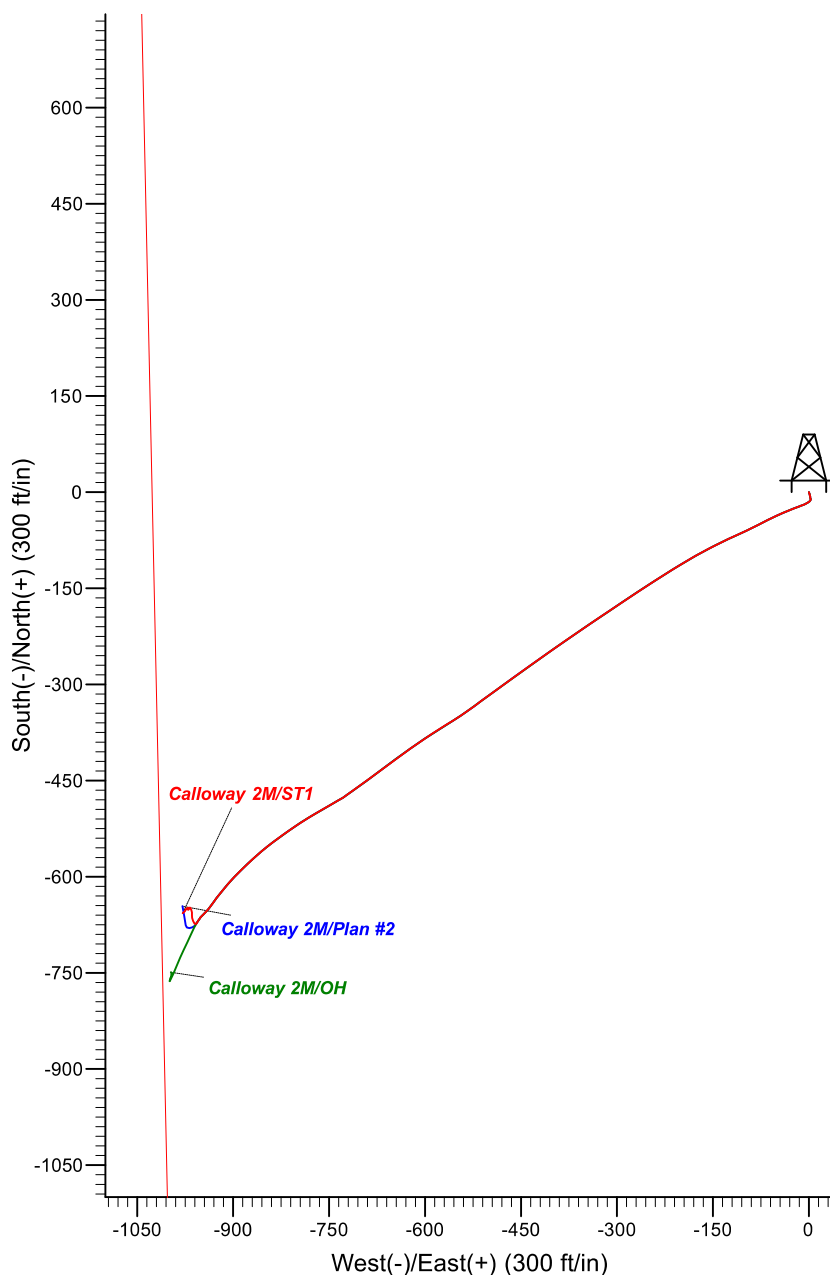
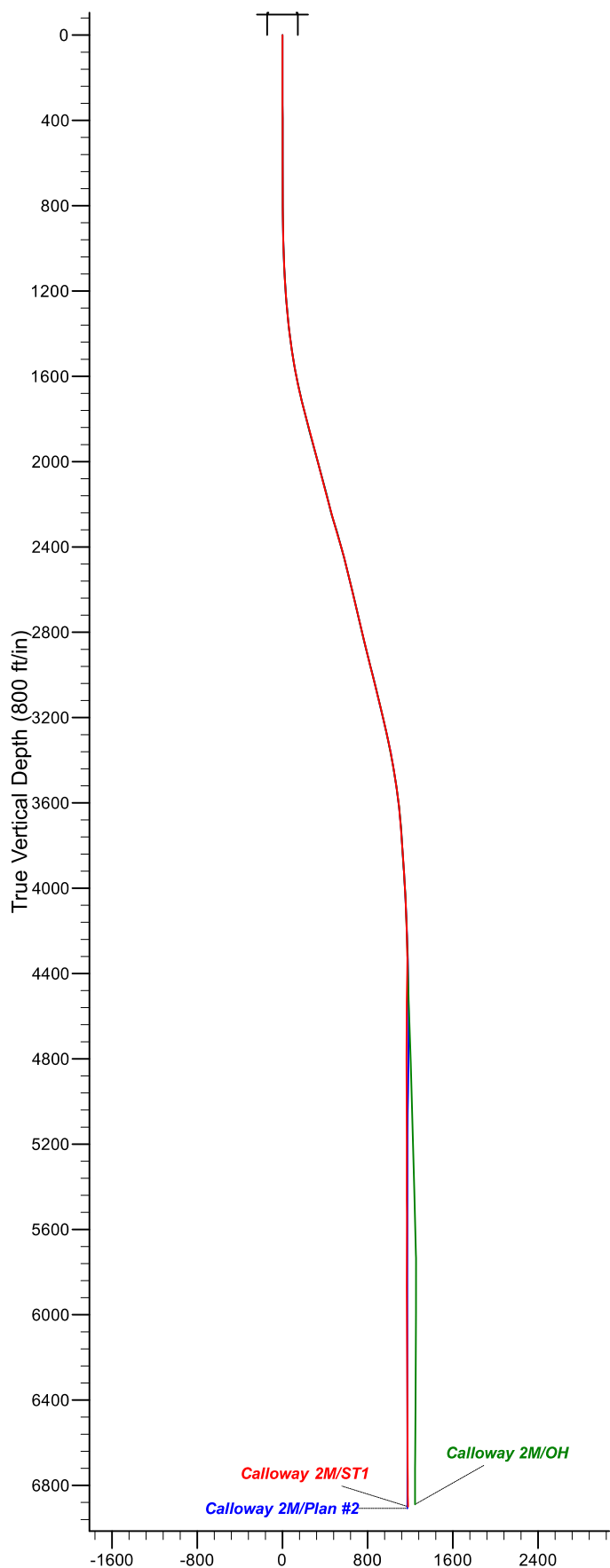
Date

Janie Collins

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Company: Hilcorp Energy - San Juan Basin
Project: San Juan, NM NAD83
Site: Calloway Pad
Well: Calloway 2M
Wellbore: ST1
Design: ST1

**Well Details: Calloway 2M**

TVD Reference: GL 5659' & RKB 17' @ 5676.00ft (Drake 3)		North		East		Latitude		Longitude		Slot	
+N/-S	+E/-W	2130845.59	2682322.22	36.855748	-107.972688						

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: ST1

17:07, March 28 2025
Created By: Janie Collins



Hilcorp Energy - San Juan Basin

San Juan, NM NAD83

Calloway Pad

Calloway 2M

ST1

Design: ST1

Standard Survey Report

28 March, 2025



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Calloway 2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Site:	Calloway Pad	MD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Well:	Calloway 2M	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	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		Calloway Pad			
Site Position:		Northing:	2,130,845.59 usft	Latitude:	36.855748
From:	Lat/Long	Easting:	2,682,322.22 usft	Longitude:	-107.972688
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-0.08 °

Well	Calloway 2M					
Well Position	+N/-S	0.00 ft	Northing:	2,130,845.59 usft	Latitude:	36.855748
	+E/-W	0.00 ft	Easting:	2,682,322.22 usft	Longitude:	-107.972688
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,659.00 ft

Wellbore	ST1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	12/31/2024	8.45	63.17	49,135.90000000

Design	ST1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	4,356.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	236.600	

Survey Program	Date	3/28/2025			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
327.00	1,257.00	Survey #1 - Surface (OH)	MWD+HDGM	OWSG MWD + HDGM	
1,320.00	3,891.00	Survey #2 - Intermediate (OH)	MWD+HDGM	OWSG MWD + HDGM	
3,953.00	4,356.00	Survey #3 - Production (OH)	MWD+HDGM	OWSG MWD + HDGM	
4,486.00	7,146.00	Survey #1 - Production (ST1)	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	0.87	160.910	326.99	-2.35	0.81	0.61	0.27	0.27	0.00	
389.00	0.91	169.900	388.98	-3.28	1.05	0.92	0.23	0.06	14.50	
451.00	0.83	169.750	450.97	-4.20	1.22	1.30	0.13	-0.13	-0.24	
513.00	0.85	168.370	512.97	-5.09	1.39	1.64	0.05	0.03	-2.23	
574.00	0.83	163.300	573.96	-5.96	1.61	1.94	0.13	-0.03	-8.31	
636.00	1.04	160.190	635.95	-6.92	1.93	2.20	0.35	0.34	-5.02	
697.00	1.11	173.960	696.94	-8.03	2.18	2.60	0.44	0.11	22.57	



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Calloway 2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Site:	Calloway Pad	MD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Well:	Calloway 2M	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	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)
758.00	1.13	168.240	757.93	-9.21	2.36	3.09	0.19	0.03	-9.38
820.00	1.45	166.810	819.91	-10.57	2.67	3.59	0.52	0.52	-2.31
882.00	1.59	198.040	881.89	-12.15	2.58	4.53	1.34	0.23	50.37
944.00	2.74	225.800	943.85	-14.00	1.25	6.66	2.46	1.85	44.77
1,006.00	3.93	235.850	1,005.74	-16.23	-1.57	10.24	2.13	1.92	16.21
1,069.00	5.17	245.400	1,068.54	-18.62	-5.94	15.21	2.30	1.97	15.16
1,131.00	6.45	247.030	1,130.22	-21.14	-11.68	21.39	2.08	2.06	2.63
1,194.00	7.77	250.030	1,192.74	-23.98	-18.95	29.02	2.18	2.10	4.76
1,257.00	9.27	249.810	1,255.04	-27.18	-27.71	38.10	2.38	2.38	-0.35
1,320.00	10.93	246.930	1,317.06	-31.28	-37.97	48.91	2.75	2.63	-4.57
1,383.00	12.98	245.240	1,378.69	-36.58	-49.89	61.79	3.30	3.25	-2.68
1,446.00	15.21	243.110	1,439.79	-43.28	-63.69	77.00	3.63	3.54	-3.38
1,508.00	17.45	243.600	1,499.29	-51.09	-79.27	94.30	3.62	3.61	0.79
1,571.00	20.01	244.270	1,558.95	-59.98	-97.44	114.37	4.08	4.06	1.06
1,634.00	22.41	245.620	1,617.68	-69.61	-118.10	136.91	3.89	3.81	2.14
1,697.00	24.87	243.800	1,675.39	-80.42	-140.92	161.92	4.07	3.90	-2.89
1,759.00	26.83	241.760	1,731.18	-92.80	-164.95	188.79	3.47	3.16	-3.29
1,822.00	28.04	239.550	1,787.10	-107.03	-190.24	217.74	2.51	1.92	-3.51
1,884.00	28.41	237.750	1,841.72	-122.29	-215.28	247.04	1.50	0.60	-2.90
1,947.00	28.00	237.820	1,897.24	-138.16	-240.47	276.81	0.65	-0.65	0.11
2,011.00	28.10	236.680	1,953.73	-154.44	-265.78	306.90	0.85	0.16	-1.78
2,073.00	27.69	235.870	2,008.52	-170.54	-289.91	335.91	0.90	-0.66	-1.31
2,136.00	28.08	235.840	2,064.21	-187.08	-314.29	365.37	0.62	0.62	-0.05
2,199.00	27.47	236.180	2,119.95	-203.50	-338.63	394.73	1.00	-0.97	0.54
2,262.00	27.84	236.090	2,175.75	-219.79	-362.91	423.97	0.59	0.59	-0.14
2,324.00	27.65	235.400	2,230.62	-236.04	-386.77	452.83	0.60	-0.31	-1.11
2,386.00	29.68	234.310	2,285.02	-253.16	-411.08	482.55	3.38	3.27	-1.76
2,450.00	31.45	234.440	2,340.13	-272.12	-437.54	515.07	2.77	2.77	0.20
2,513.00	30.90	234.710	2,394.03	-291.02	-464.11	547.66	0.90	-0.87	0.43
2,575.00	28.64	233.840	2,447.84	-308.99	-489.10	578.42	3.71	-3.65	-1.40
2,637.00	25.99	233.560	2,502.93	-325.83	-512.03	606.83	4.28	-4.27	-0.45
2,700.00	24.57	234.860	2,559.89	-341.57	-533.85	633.71	2.42	-2.25	2.06
2,763.00	24.71	237.580	2,617.16	-356.16	-555.68	659.97	1.81	0.22	4.32
2,826.00	25.46	237.710	2,674.21	-370.46	-578.24	686.67	1.19	1.19	0.21
2,888.00	26.12	236.680	2,730.04	-385.07	-600.91	713.64	1.29	1.06	-1.66
2,951.00	25.82	234.520	2,786.68	-400.66	-623.67	741.22	1.57	-0.48	-3.43
3,014.00	25.89	233.540	2,843.37	-416.79	-645.91	768.67	0.69	0.11	-1.56
3,076.00	26.19	233.500	2,899.08	-432.97	-667.79	795.85	0.48	0.48	-0.06
3,139.00	27.47	233.480	2,955.30	-449.89	-690.64	824.24	2.03	2.03	-0.03
3,201.00	26.32	234.640	3,010.59	-466.36	-713.35	852.26	2.04	-1.85	1.87
3,264.00	25.06	238.900	3,067.37	-481.33	-736.16	879.55	3.55	-2.00	6.76
3,327.00	26.49	241.140	3,124.10	-495.01	-759.90	906.89	2.75	2.27	3.56
3,389.00	26.11	238.020	3,179.68	-508.91	-783.58	934.31	2.31	-0.61	-5.03



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Calloway 2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Site:	Calloway Pad	MD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Well:	Calloway 2M	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	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)
3,452.00	23.19	235.640	3,236.94	-523.25	-805.58	960.58	4.89	-4.63	-3.78
3,514.00	24.90	234.140	3,293.55	-537.79	-826.24	985.83	2.93	2.76	-2.42
3,578.00	22.53	232.020	3,352.15	-553.23	-846.83	1,011.52	3.93	-3.70	-3.31
3,640.00	19.18	227.960	3,410.08	-567.37	-863.76	1,033.43	5.88	-5.40	-6.55
3,703.00	17.83	226.530	3,469.82	-580.93	-878.45	1,053.16	2.26	-2.14	-2.27
3,765.00	16.48	225.250	3,529.06	-593.66	-891.58	1,071.13	2.26	-2.18	-2.06
3,828.00	14.41	221.820	3,589.78	-605.79	-903.16	1,087.47	3.59	-3.29	-5.44
3,891.00	11.49	220.370	3,651.18	-616.41	-912.45	1,101.08	4.66	-4.63	-2.30
3,953.00	9.56	218.110	3,712.13	-625.17	-919.63	1,111.89	3.18	-3.11	-3.65
4,016.00	8.65	217.650	3,774.34	-633.04	-925.75	1,121.34	1.45	-1.44	-0.73
4,079.00	8.08	214.790	3,836.67	-640.43	-931.17	1,129.93	1.12	-0.90	-4.54
4,142.00	7.94	217.810	3,899.05	-647.50	-936.36	1,138.16	0.70	-0.22	4.79
4,204.00	6.86	222.810	3,960.53	-653.60	-941.51	1,145.81	2.03	-1.74	8.06
4,267.00	6.36	225.860	4,023.12	-658.79	-946.57	1,152.89	0.97	-0.79	4.84
4,330.00	5.29	221.320	4,085.79	-663.40	-950.99	1,159.12	1.85	-1.70	-7.21
4,356.00	4.55	216.030	4,111.69	-665.14	-952.39	1,161.24	3.34	-2.85	-20.35
4,486.00	3.18	205.840	4,241.40	-672.55	-956.99	1,169.17	1.17	-1.05	-7.84
4,518.00	2.73	225.770	4,273.36	-673.88	-957.92	1,170.68	3.48	-1.41	62.28
4,580.00	3.95	322.840	4,335.29	-673.21	-960.27	1,172.27	8.18	1.97	156.56
4,643.00	4.76	335.330	4,398.11	-669.10	-962.68	1,172.02	1.97	1.29	19.83
4,706.00	4.36	346.870	4,460.91	-664.40	-964.31	1,170.79	1.59	-0.63	18.32
4,768.00	3.72	7.200	4,522.76	-660.11	-964.59	1,168.67	2.51	-1.03	32.79
4,831.00	3.86	356.280	4,585.62	-655.96	-964.48	1,166.29	1.17	0.22	-17.33
4,893.00	4.07	338.130	4,647.47	-651.84	-965.43	1,164.81	2.04	0.34	-29.27
4,956.00	1.75	329.630	4,710.39	-648.93	-966.75	1,164.31	3.74	-3.68	-13.49
5,019.00	0.61	250.020	4,773.38	-648.22	-967.55	1,164.59	2.77	-1.81	-126.37
5,081.00	0.24	219.660	4,835.37	-648.43	-967.94	1,165.03	0.68	-0.60	-48.97
5,143.00	0.41	239.300	4,897.37	-648.64	-968.22	1,165.38	0.32	0.27	31.68
5,206.00	0.61	201.730	4,960.37	-649.07	-968.54	1,165.88	0.60	0.32	-59.64
5,269.00	0.69	219.680	5,023.37	-649.67	-968.90	1,166.52	0.35	0.13	28.49
5,331.00	0.74	202.900	5,085.36	-650.33	-969.30	1,167.21	0.35	0.08	-27.06
5,394.00	0.66	197.860	5,148.36	-651.05	-969.57	1,167.83	0.16	-0.13	-8.00
5,457.00	0.60	217.160	5,211.35	-651.66	-969.88	1,168.42	0.35	-0.10	30.63
5,520.00	0.44	11.100	5,274.35	-651.68	-970.03	1,168.57	1.61	-0.25	244.35
5,583.00	0.38	341.370	5,337.35	-651.25	-970.05	1,168.34	0.35	-0.10	-47.19
5,646.00	0.17	331.700	5,400.35	-650.97	-970.16	1,168.28	0.34	-0.33	-15.35
5,708.00	0.47	222.790	5,462.35	-651.07	-970.38	1,168.52	0.89	0.48	-175.66
5,771.00	0.54	219.670	5,525.35	-651.49	-970.74	1,169.06	0.12	0.11	-4.95
5,834.00	0.69	359.240	5,588.35	-651.34	-970.94	1,169.13	1.83	0.24	221.54
5,896.00	1.05	357.580	5,650.34	-650.40	-970.97	1,168.64	0.58	0.58	-2.68
5,959.00	0.86	2.680	5,713.33	-649.35	-970.97	1,168.07	0.33	-0.30	8.10
6,021.00	0.35	344.040	5,775.33	-648.70	-971.00	1,167.73	0.87	-0.82	-30.06
6,140.00	0.11	6.370	5,894.33	-648.24	-971.09	1,167.55	0.21	-0.20	18.76
6,148.00	0.24	256.600	5,902.33	-648.24	-971.10	1,167.56	3.70	1.63	-1,372.13



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Calloway 2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Site:	Calloway Pad	MD Reference:	GL 5659' & RKB 17' @ 5676.00ft (Drake 3)
Well:	Calloway 2M	North Reference:	True
Wellbore:	ST1	Survey Calculation Method:	Minimum Curvature
Design:	ST1	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)
6,210.00	0.75	218.050	5,964.32	-648.59	-971.48	1,168.07	0.94	0.82	-62.18
6,273.00	0.95	212.790	6,027.32	-649.35	-972.01	1,168.94	0.34	0.32	-8.35
6,335.00	0.84	213.190	6,089.31	-650.16	-972.54	1,169.83	0.18	-0.18	0.65
6,398.00	0.71	232.150	6,152.30	-650.79	-973.10	1,170.64	0.45	-0.21	30.10
6,461.00	0.60	324.860	6,215.30	-650.76	-973.60	1,171.04	1.51	-0.17	147.16
6,524.00	0.34	295.950	6,278.30	-650.41	-973.96	1,171.14	0.55	-0.41	-45.89
6,587.00	0.36	214.910	6,341.30	-650.49	-974.24	1,171.42	0.72	0.03	-128.64
6,650.00	0.58	194.850	6,404.30	-650.96	-974.43	1,171.84	0.43	0.35	-31.84
6,712.00	0.68	189.170	6,466.29	-651.62	-974.57	1,172.33	0.19	0.16	-9.16
6,775.00	1.03	198.620	6,529.28	-652.53	-974.81	1,173.03	0.60	0.56	15.00
6,837.00	1.27	215.300	6,591.27	-653.62	-975.39	1,174.11	0.66	0.39	26.90
6,900.00	0.98	223.050	6,654.26	-654.58	-976.16	1,175.28	0.52	-0.46	12.30
6,962.00	0.98	227.470	6,716.25	-655.33	-976.91	1,176.32	0.12	0.00	7.13
7,025.00	0.81	237.860	6,779.24	-655.93	-977.69	1,177.30	0.37	-0.27	16.49
7,088.00	0.74	225.320	6,842.24	-656.45	-978.35	1,178.14	0.29	-0.11	-19.90
7,091.00	0.74	231.400	6,845.24	-656.48	-978.38	1,178.18	2.62	0.00	202.67
7,146.00	0.74	231.400	6,900.23	-656.92	-978.94	1,178.89	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 448220

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 448220
	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 448220

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/3/20225.	4/3/2025