

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 Action ID 466877
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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: TITT 2M	Property Code: 319229
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-045-38407
Pool Name: BLANCO MESAVERDE	Pool Code: 72319

Section 2 – Surface Location

UL K	Section 35	Township 031N	Range 011W	Lot	Ft. from N/S 1855' South	Ft. from E/W 2630' West	Latitude 36.853199	Longitude -107.960404	County SAN JUAN
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Section 3 – Completion Information

Producing Method	Ready Date ~6/4/2025	Perforations MD ~4,400' – 5,002'	Perforations TVD ~4,399' – 5,001'
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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: 388399	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 388399	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: N/A	Down Hole Commingling: ☒ Yes ☐ No, Order No. DHC-5480
Production Casing Action ID: 388399	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: Previous to system	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: 5/23/2025

Cheryl Weston

From: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Sent: Wednesday, May 14, 2025 3:38 PM
To: Jackson Lancaster
Cc: Kuehling, Monica, EMNRD; Lisa Helper; Jacob Sanchez; Glory Kamat; Sikandar Khan; Cheryl Weston; Jose Morales
Subject: RE: [EXTERNAL] Permission to Perforate: Titt 2M (API: 3004538407)

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

Approved.

From: Jackson Lancaster <Jackson.Lancaster@hilcorp.com>
Sent: Wednesday, May 14, 2025 2:26 PM
To: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Cc: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Lisa Helper <lhelper@hilcorp.com>; Jacob Sanchez <Jacob.Sanchez@hilcorp.com>; Glory Kamat <Glory.Kamat@hilcorp.com>; Sikandar Khan <Sikandar.Khan@hilcorp.com>; Cheryl Weston <cweston@hilcorp.com>; Jose Morales <jomorales@hilcorp.com>
Subject: [EXTERNAL] Permission to Perforate: Titt 2M (API: 3004538407)

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 on the Titt 2M (API: 3004538407).

Hilcorp would like to request permission to perforate the Titt 2M in the Dakota from 6,720' - 7,050' and in the Mesaverde from 4,400' - 5,002'. Please let us know if you have any questions, we will be a happy to jump on a call to discuss the RBL if needed.

Thanks,

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

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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 30-045-38407	Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 319229	Property Name TITT	Well Number 2M
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 5790'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL K	Section 35	Township 31N	Range 11W	Lot	Feet from N/S Line 1855' SOUTH	Feet from E/W Line 2630' WEST	Latitude 36.853199 °N	Longitude -107.960404 °W	County SAN JUAN
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Bottom Hole Location

UL K	Section 35	Township 31N	Range 11W	Lot	Feet from N/S Line 1887' SOUTH	Feet from E/W Line 2591' WEST	Latitude 36.853287 °N	Longitude -107.960538 °W	County SAN JUAN
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Dedicated Acres 320.00	Penetrated Spacing Unit S/2 - Section 35, T31N, R11W	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit ☐ Yes ☐ No	Consolidation Code
Order Numbers DHC 5480		Well setbacks are under Common Ownership: ☐ Yes ☐ No			

Kick Off Point (KOP)

UL K	Section 35	Township 31N	Range 11W	Lot	Feet from N/S Line 1848' SOUTH	Feet from E/W Line 2623' WEST	Latitude 36.853180 °N	Longitude -107.960428 °W	County SAN JUAN
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First Take Point (FTP)

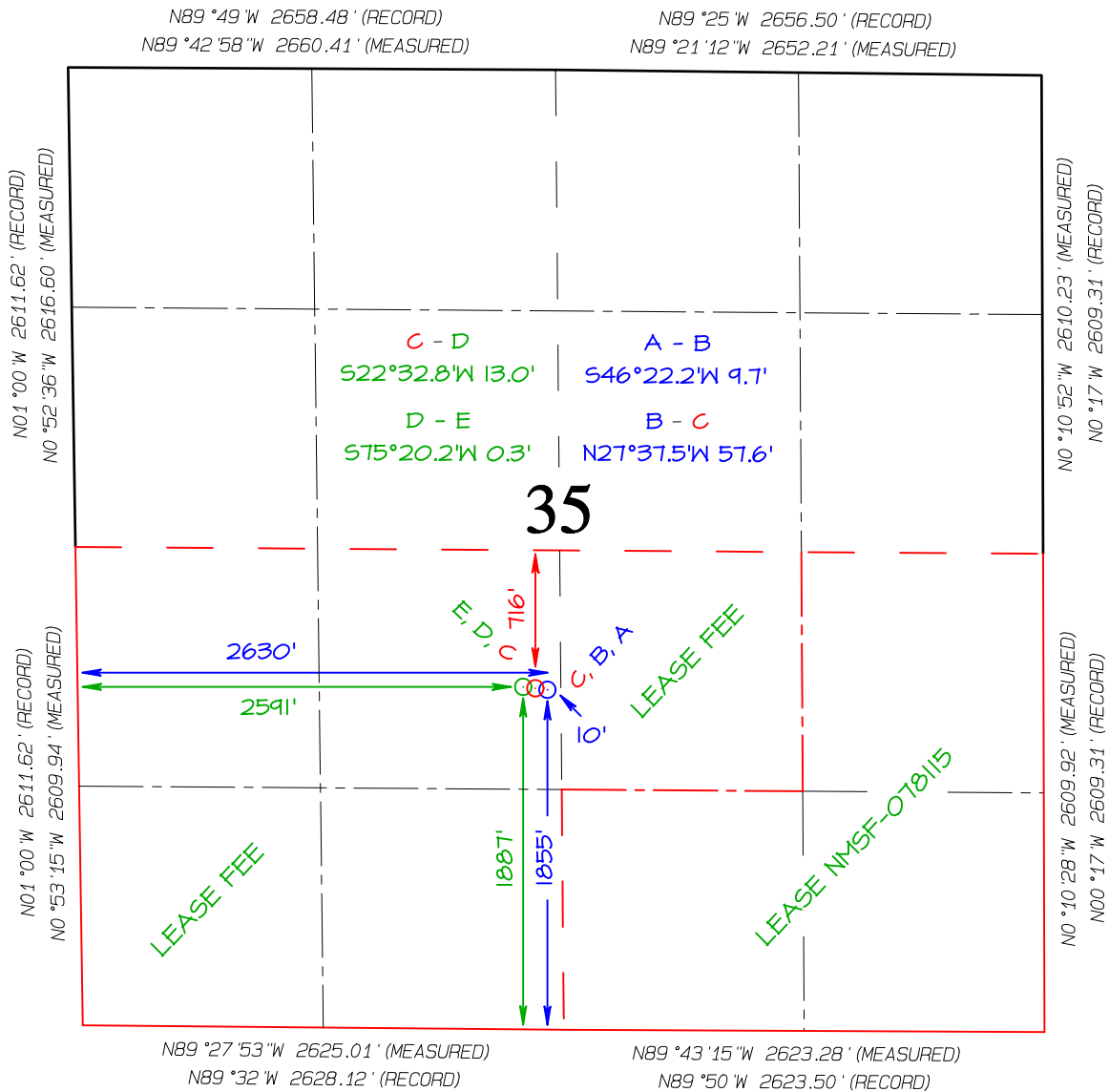
UL K	Section 35	Township 31N	Range 11W	Lot	Feet from N/S Line 1899' SOUTH	Feet from E/W Line 2597' WEST	Latitude 36.853320 °N	Longitude -107.960520 °W	County SAN JUAN
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Last Take Point (LTP)

UL K	Section 35	Township 31N	Range 11W	Lot	Feet from N/S Line 1887' SOUTH	Feet from E/W Line 2592' WEST	Latitude 36.853287 °N	Longitude -107.960537 °W	County SAN JUAN
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☒ Vertical ☐ Directional	Ground Floor Elevation 5790'
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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 5/12/2025 Signature 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 8, 2024
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BOTTOM HOLE LOCATION (E)
 1887' FSL 2591' FWL
 LAT 36.853284°N
 LONG -107.959915°W
 DATUM: NAD1927

LAST TAKE POINT (D)
 1887' FSL 2592' FWL
 LAT 36.853284°N
 LONG -107.959914°W
 DATUM: NAD1927

FIRST TAKE POINT (C)
 1899' FSL 2597' FWL
 LAT 36.853317°N
 LONG -107.959897°W
 DATUM: NAD1927

KICK OFF POINT (B)
 1848' FSL 2623' FWL
 LAT 36.853177°N
 LONG -107.959806°W
 DATUM: NAD1927

SURFACE LOCATION (A)
 1855' FSL 2630' FWL
 LAT 36.853195°N
 LONG -107.959782°W
 DATUM: NAD1927

LAT 36.853287°N
 LONG -107.960538°W
 DATUM: NAD1983

LAT 36.853287°N
 LONG -107.960537°W
 DATUM: NAD1983

LAT 36.853320°N
 LONG -107.960520°W
 DATUM: NAD1983

LAT 36.853180°N
 LONG -107.960428°W
 DATUM: NAD1983

LAT 36.853199°N
 LONG -107.960404°W
 DATUM: NAD1983



Survey Certification

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

Operator	HilCorp Energy
Well Name & No.	Titt #2M
API #	30-045-38407
County & State	San Juan County, NM
SDI Job #	OP.048582
Rig	Drake 3
Survey Date	4/19/2025 to 4/24/2025
GL & KB Elevation	GL 5790' & KB 17' = 5807'

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 7,085 feet is true and correct as determined from all available records.



Signature

5-May-2025

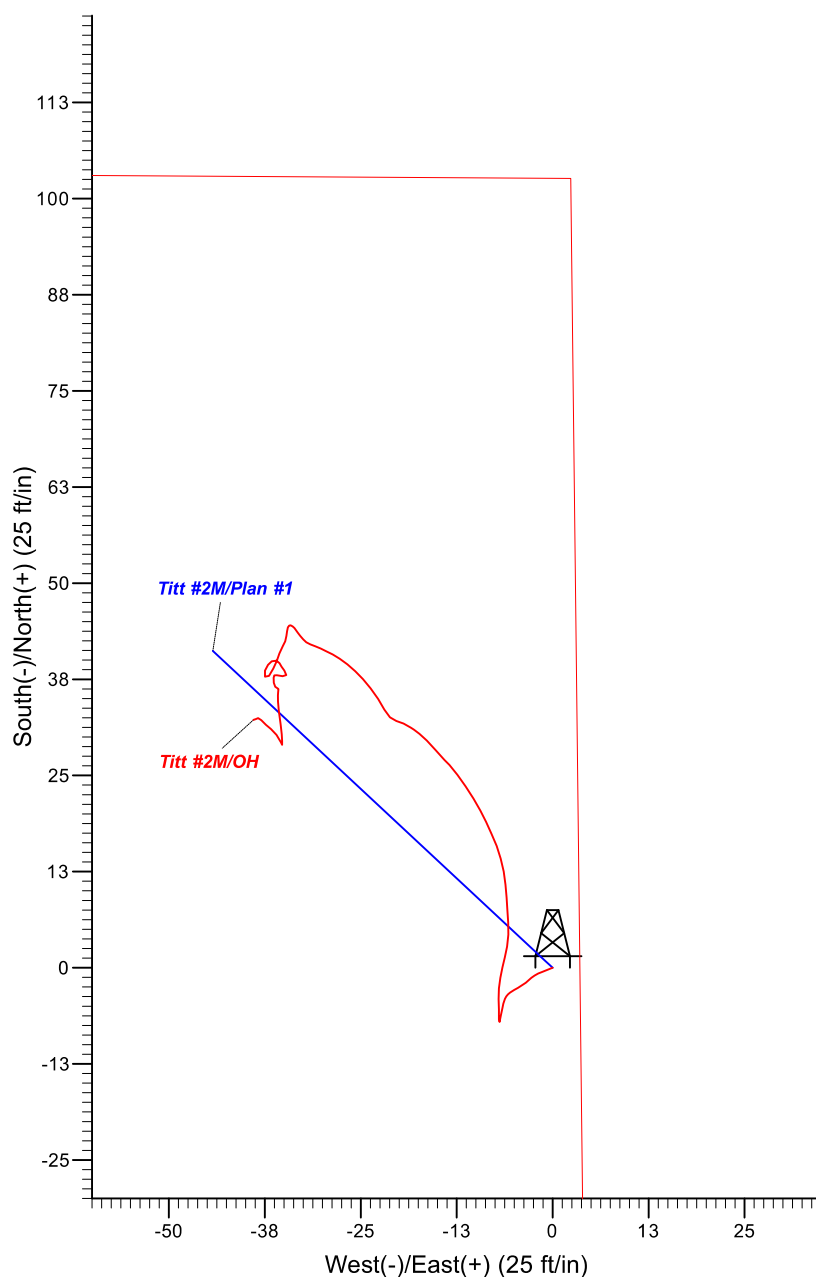
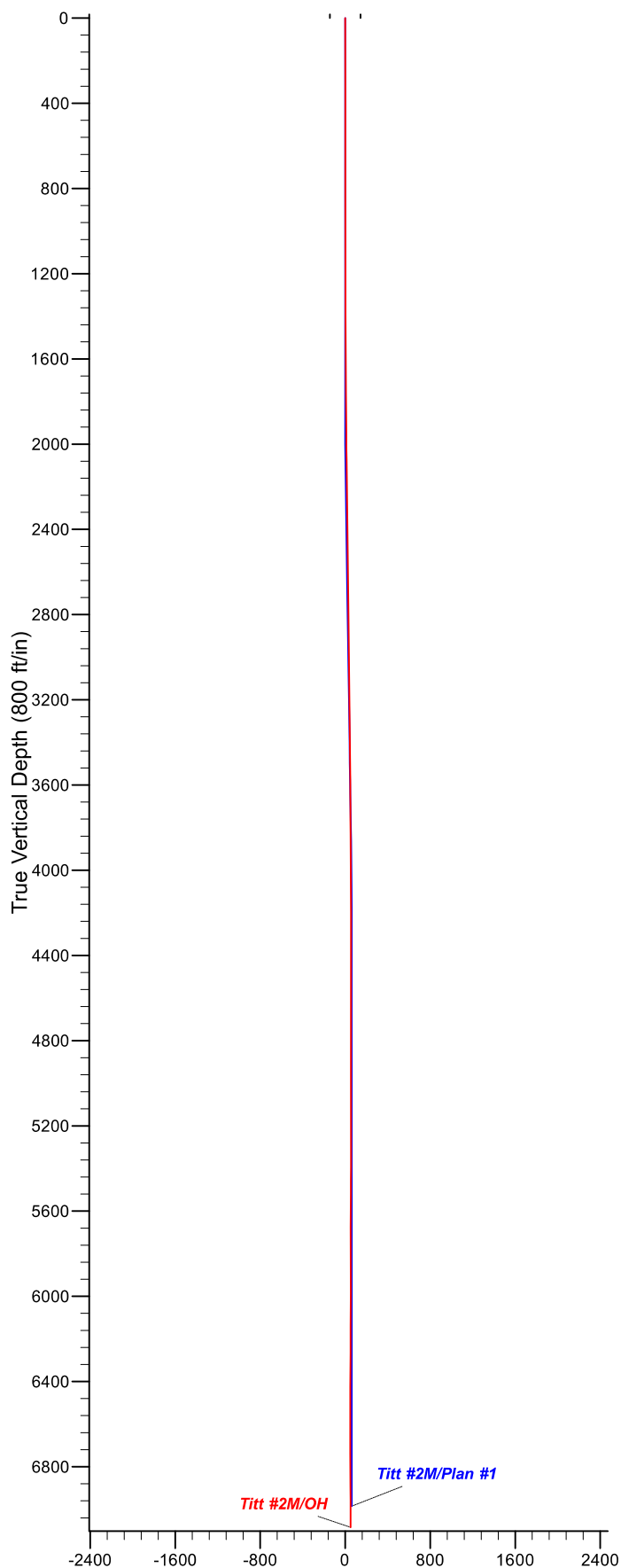
Date

Janie Collins

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Company: Hilcorp Energy - San Juan Basin
 Project: San Juan, NM NAD83
 Site: Titt Pad
 Well: Titt #2M
 Wellbore: OH
 Design: OH



Well Details: Titt #2M

TVD Reference: GL 5790' & RKB 17' @ 5807.00ft (Drake 3)						Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2129912.45	2685914.65	36.853199	-107.960404	

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

10:37, May 05 2025
 Created By: Janie Collins



Hilcorp Energy - San Juan Basin

San Juan, NM NAD83

Titt Pad

Titt #2M

OH

Design: OH

Standard Survey Report

05 May, 2025



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Titt #2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Site:	Titt Pad	MD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Well:	Titt #2M	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	Titt Pad				
Site Position:		Northing:	2,129,912.45 usft	Latitude:	36.853199
From:	Lat/Long	Easting:	2,685,914.65 usft	Longitude:	-107.960405
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-0.08 °

Well	Titt #2M					
Well Position	+N/-S	0.00 ft	Northing:	2,129,912.45 usft	Latitude:	36.853199
	+E/-W	0.00 ft	Easting:	2,685,914.65 usft	Longitude:	-107.960405
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,790.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	12/31/2024	8.45	63.17	49,132.40000000

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		309.603

Survey Program	Date	5/5/2025			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
329.00	1,196.00	Survey #1 - Surface (OH)	MWD+HDGM	OWSG MWD + HDGM	
1,259.00	3,579.00	Survey #2 - Intermediate (OH)	MWD+HDGM	OWSG MWD + HDGM	
3,641.00	7,085.00	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	0.52	248.840	329.00	-0.54	-1.39	0.73	0.16	0.16	0.00	
389.00	0.47	243.310	388.99	-0.75	-1.87	0.96	0.12	-0.08	-9.22	
451.00	0.51	239.400	450.99	-1.00	-2.33	1.16	0.08	0.06	-6.31	
514.00	0.45	231.850	513.99	-1.30	-2.77	1.30	0.14	-0.10	-11.98	
576.00	0.42	225.930	575.99	-1.61	-3.12	1.38	0.09	-0.05	-9.55	
637.00	0.49	230.330	636.99	-1.93	-3.48	1.45	0.13	0.11	7.21	
698.00	0.59	238.450	697.98	-2.26	-3.95	1.60	0.21	0.16	13.31	
760.00	0.61	237.720	759.98	-2.60	-4.50	1.81	0.03	0.03	-1.18	



Scientific Drilling

Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Titt #2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Site:	Titt Pad	MD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Well:	Titt #2M	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)	
823.00	0.60	243.140	822.98	-2.93	-5.08	2.05	0.09	-0.02		8.60
885.00	0.57	231.510	884.97	-3.27	-5.61	2.24	0.20	-0.05		-18.76
947.00	0.62	214.250	946.97	-3.74	-6.04	2.27	0.30	0.08		-27.84
1,009.00	0.74	195.150	1,008.96	-4.40	-6.33	2.07	0.41	0.19		-30.81
1,071.00	0.85	193.180	1,070.96	-5.24	-6.54	1.70	0.18	0.18		-3.18
1,133.00	0.97	190.520	1,132.95	-6.20	-6.74	1.24	0.21	0.19		-4.29
1,196.00	0.57	193.310	1,195.95	-7.03	-6.91	0.85	0.64	-0.63		4.43
1,259.00	1.12	1.010	1,258.94	-6.72	-6.98	1.09	2.67	0.87		266.19
1,322.00	1.24	357.730	1,321.93	-5.42	-6.99	1.93	0.22	0.19		-5.21
1,384.00	1.28	358.150	1,383.91	-4.06	-7.04	2.84	0.07	0.06		0.68
1,447.00	1.28	5.950	1,446.90	-2.66	-6.99	3.69	0.28	0.00		12.38
1,510.00	1.23	9.690	1,509.88	-1.29	-6.80	4.42	0.15	-0.08		5.94
1,573.00	1.28	13.140	1,572.87	0.06	-6.53	5.07	0.14	0.08		5.48
1,634.00	1.24	14.430	1,633.85	1.36	-6.21	5.65	0.08	-0.07		2.11
1,697.00	1.37	8.790	1,696.84	2.77	-5.93	6.33	0.29	0.21		-8.95
1,761.00	1.40	2.790	1,760.82	4.31	-5.77	7.19	0.23	0.05		-9.38
1,824.00	1.49	356.980	1,823.80	5.89	-5.78	8.21	0.27	0.14		-9.22
1,886.00	1.44	354.480	1,885.78	7.47	-5.89	9.30	0.13	-0.08		-4.03
1,949.00	1.58	358.380	1,948.76	9.13	-5.99	10.44	0.28	0.22		6.19
2,012.00	1.51	352.600	2,011.73	10.82	-6.13	11.62	0.27	-0.11		-9.17
2,075.00	1.60	351.120	2,074.71	12.51	-6.37	12.88	0.16	0.14		-2.35
2,138.00	1.58	343.490	2,137.69	14.21	-6.75	14.26	0.34	-0.03		-12.11
2,200.00	1.59	339.380	2,199.66	15.84	-7.30	15.72	0.18	0.02		-6.63
2,263.00	1.58	335.480	2,262.64	17.45	-7.97	17.26	0.17	-0.02		-6.19
2,326.00	1.47	334.650	2,325.62	18.97	-8.67	18.77	0.18	-0.17		-1.32
2,388.00	1.59	332.270	2,387.59	20.45	-9.41	20.29	0.22	0.19		-3.84
2,450.00	1.73	328.400	2,449.57	22.01	-10.30	21.97	0.29	0.23		-6.24
2,513.00	1.73	325.300	2,512.54	23.60	-11.34	23.78	0.15	0.00		-4.92
2,576.00	1.58	324.460	2,575.51	25.09	-12.39	25.54	0.24	-0.24		-1.33
2,638.00	1.49	315.660	2,637.49	26.36	-13.45	27.17	0.41	-0.15		-14.19
2,701.00	1.39	317.590	2,700.47	27.51	-14.54	28.74	0.18	-0.16		3.06
2,764.00	1.36	319.650	2,763.45	28.64	-15.54	30.23	0.09	-0.05		3.27
2,826.00	1.27	314.800	2,825.44	29.69	-16.50	31.64	0.23	-0.15		-7.82
2,889.00	1.11	306.700	2,888.42	30.54	-17.48	32.94	0.37	-0.25		-12.86
2,952.00	1.05	303.010	2,951.41	31.22	-18.46	34.13	0.15	-0.10		-5.86
3,015.00	0.95	294.340	3,014.40	31.75	-19.42	35.20	0.29	-0.16		-13.76
3,077.00	0.92	285.280	3,076.39	32.10	-20.37	36.15	0.24	-0.05		-14.61
3,139.00	0.87	315.440	3,138.39	32.56	-21.18	37.07	0.76	-0.08		48.65
3,202.00	1.41	329.390	3,201.37	33.57	-21.91	38.28	0.96	0.86		22.14
3,265.00	1.55	328.280	3,264.35	34.96	-22.75	39.82	0.23	0.22		-1.76
3,328.00	1.51	321.090	3,327.33	36.33	-23.72	41.44	0.31	-0.06		-11.41
3,390.00	1.37	319.440	3,389.31	37.53	-24.71	42.97	0.24	-0.23		-2.66
3,453.00	1.25	313.230	3,452.29	38.57	-25.70	44.39	0.29	-0.19		-9.86



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Titt #2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Site:	Titt Pad	MD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Well:	Titt #2M	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)
3,516.00	1.22	308.080	3,515.28	39.46	-26.73	45.75	0.18	-0.05	-8.17
3,579.00	1.05	303.670	3,578.27	40.19	-27.74	47.00	0.30	-0.27	-7.00
3,641.00	0.90	296.830	3,640.26	40.73	-28.65	48.04	0.31	-0.24	-11.03
3,704.00	0.77	297.270	3,703.25	41.14	-29.47	48.93	0.21	-0.21	0.70
3,766.00	0.74	294.800	3,765.25	41.50	-30.20	49.73	0.07	-0.05	-3.98
3,829.00	0.66	292.950	3,828.24	41.82	-30.90	50.47	0.13	-0.13	-2.94
3,891.00	0.64	289.640	3,890.24	42.07	-31.56	51.13	0.07	-0.03	-5.34
3,954.00	0.47	306.840	3,953.23	42.34	-32.10	51.72	0.37	-0.27	27.30
4,016.00	0.52	317.470	4,015.23	42.70	-32.49	52.26	0.17	0.08	17.15
4,079.00	0.57	320.730	4,078.23	43.16	-32.88	52.85	0.09	0.08	5.17
4,142.00	0.40	325.120	4,141.23	43.58	-33.21	53.37	0.28	-0.27	6.97
4,205.00	0.30	326.220	4,204.23	43.90	-33.42	53.74	0.16	-0.16	1.75
4,268.00	0.33	322.260	4,267.22	44.18	-33.63	54.07	0.06	0.05	-6.29
4,331.00	0.19	295.050	4,330.22	44.37	-33.83	54.35	0.29	-0.22	-43.19
4,343.00	0.20	302.950	4,342.22	44.39	-33.87	54.39	0.24	0.08	65.83
4,454.00	0.11	292.150	4,453.22	44.53	-34.13	54.68	0.08	-0.08	-9.73
4,516.00	0.28	245.030	4,515.22	44.49	-34.32	54.80	0.36	0.27	-76.00
4,579.00	0.30	187.850	4,578.22	44.26	-34.48	54.78	0.44	0.03	-90.76
4,642.00	0.61	193.690	4,641.22	43.77	-34.59	54.55	0.50	0.49	9.27
4,705.00	0.78	187.230	4,704.22	43.02	-34.72	54.17	0.30	0.27	-10.25
4,768.00	0.28	204.570	4,767.21	42.46	-34.84	53.91	0.82	-0.79	27.52
4,830.00	0.18	184.680	4,829.21	42.22	-34.91	53.81	0.20	-0.16	-32.08
4,893.00	0.88	215.440	4,892.21	41.73	-35.20	53.72	1.16	1.11	48.83
4,955.00	0.90	192.670	4,954.20	40.87	-35.58	53.46	0.57	0.03	-36.73
5,018.00	0.95	206.100	5,017.19	39.91	-35.92	53.12	0.35	0.08	21.32
5,081.00	1.07	203.820	5,080.18	38.91	-36.38	52.84	0.20	0.19	-3.62
5,144.00	0.94	217.780	5,143.17	37.96	-36.94	52.66	0.44	-0.21	22.16
5,206.00	0.69	326.700	5,205.17	37.87	-37.46	53.00	2.15	-0.40	175.68
5,269.00	0.90	25.480	5,268.17	38.63	-37.45	53.48	1.27	0.33	93.30
5,331.00	0.66	30.300	5,330.16	39.38	-37.06	53.66	0.40	-0.39	7.77
5,394.00	0.63	61.010	5,393.16	39.86	-36.58	53.59	0.54	-0.05	48.75
5,456.00	0.62	106.330	5,455.15	39.93	-35.96	53.16	0.78	-0.02	73.10
5,519.00	0.43	160.940	5,518.15	39.61	-35.55	52.64	0.81	-0.30	86.68
5,582.00	0.51	143.660	5,581.15	39.16	-35.31	52.17	0.26	0.13	-27.43
5,644.00	0.68	143.430	5,643.15	38.65	-34.93	51.55	0.27	0.27	-0.37
5,707.00	0.51	176.360	5,706.14	38.07	-34.68	50.99	0.59	-0.27	52.27
5,769.00	0.92	283.560	5,768.14	37.91	-35.15	51.25	1.90	0.66	172.90
5,832.00	0.50	271.440	5,831.13	38.03	-35.92	51.92	0.70	-0.67	-19.24
5,894.00	0.13	251.060	5,893.13	38.02	-36.25	52.17	0.61	-0.60	-32.87
5,956.00	0.52	183.370	5,955.13	37.71	-36.34	52.04	0.78	0.63	-109.18
6,019.00	0.67	174.990	6,018.13	37.06	-36.32	51.61	0.27	0.24	-13.30
6,081.00	0.44	136.750	6,080.13	36.53	-36.13	51.12	0.68	-0.37	-61.68
6,143.00	0.18	85.110	6,142.13	36.36	-35.87	50.81	0.58	-0.42	-83.29



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Titt #2M
Project:	San Juan, NM NAD83	TVD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Site:	Titt Pad	MD Reference:	GL 5790' & RKB 17' @ 5807.00ft (Drake 3)
Well:	Titt #2M	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)
6,206.00	0.21	153.390	6,205.12	36.27	-35.72	50.64	0.35	0.05	108.38
6,268.00	0.73	194.640	6,267.12	35.78	-35.77	50.37	0.95	0.84	66.53
6,331.00	1.14	173.240	6,330.11	34.77	-35.79	49.74	0.84	0.65	-33.97
6,394.00	1.56	174.870	6,393.10	33.30	-35.64	48.69	0.67	0.67	2.59
6,457.00	1.18	167.610	6,456.08	31.81	-35.43	47.57	0.66	-0.60	-11.52
6,519.00	1.65	179.670	6,518.06	30.29	-35.28	46.50	0.89	0.76	19.45
6,582.00	0.57	169.970	6,581.05	29.08	-35.23	45.68	1.73	-1.71	-15.40
6,645.00	1.08	338.620	6,644.04	29.32	-35.39	45.96	2.61	0.81	267.70
6,707.00	1.04	320.460	6,706.03	30.30	-35.96	47.02	0.54	-0.06	-29.29
6,770.00	0.81	310.790	6,769.03	31.03	-36.66	48.03	0.44	-0.37	-15.35
6,832.00	0.81	309.970	6,831.02	31.60	-37.33	48.90	0.02	0.00	-1.32
6,894.00	0.76	317.010	6,893.01	32.18	-37.94	49.75	0.18	-0.08	11.35
6,957.00	0.23	258.080	6,956.01	32.46	-38.35	50.24	1.06	-0.84	-93.54
7,020.00	0.40	242.580	7,019.01	32.33	-38.67	50.41	0.30	0.27	-24.60
7,029.00	0.27	255.260	7,028.01	32.31	-38.72	50.43	1.65	-1.44	140.89
7,085.00	0.27	255.260	7,084.01	32.25	-38.97	50.58	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 470458

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 470458
	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 470458

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/4/2025.	6/3/2025