

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: Burnt Mesa Federal Com 604H	Property Code: 318466
Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-045-38340
Pool Name: Basin Mancos	Pool Code: 97232

Section 2 – Surface Location

UL M	Section 26	Township 32N	Range 07W	Lot	Ft. from N/S 1084' S	Ft. from E/W 259' W	Latitude 36.947431	Longitude -107.544652	County San Juan
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Section 3 – Completion Information

Producing Method Flowing	Ready Date 11/9/2024	Perforations MD 7,810' – 17,629'	Perforations TVD 7,332' – 7,320'
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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): 394951	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 392941	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 392941	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 392941	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): NO	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 	
Title: Operations Regulatory Tech Sr.	Date 12/18/2024



Survey Certification

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

Operator	HilCorp Energy
Well Name & No.	Burnt Mesa Federal Com 604H
API #	30-045-38340
County & State	San Juan County, NM
SDI Job #	OP.044802
Rig	Nabors B29
Survey Date	6/17/2024 to 6/22/2024
GL & KB Elevation	GL 6748' & KB 25.1' = 6773.1'

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 428 feet to a measured depth of 17,760 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

19-Aug-2024

Date

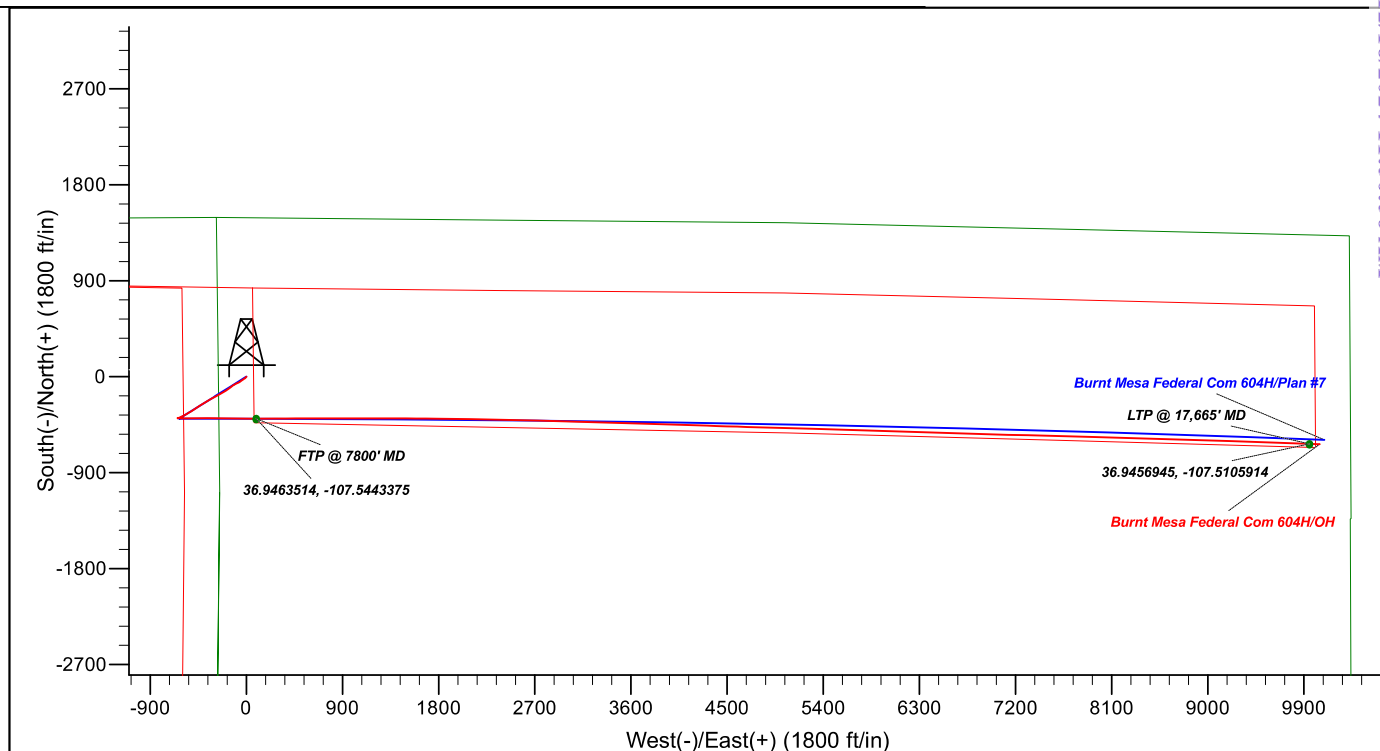
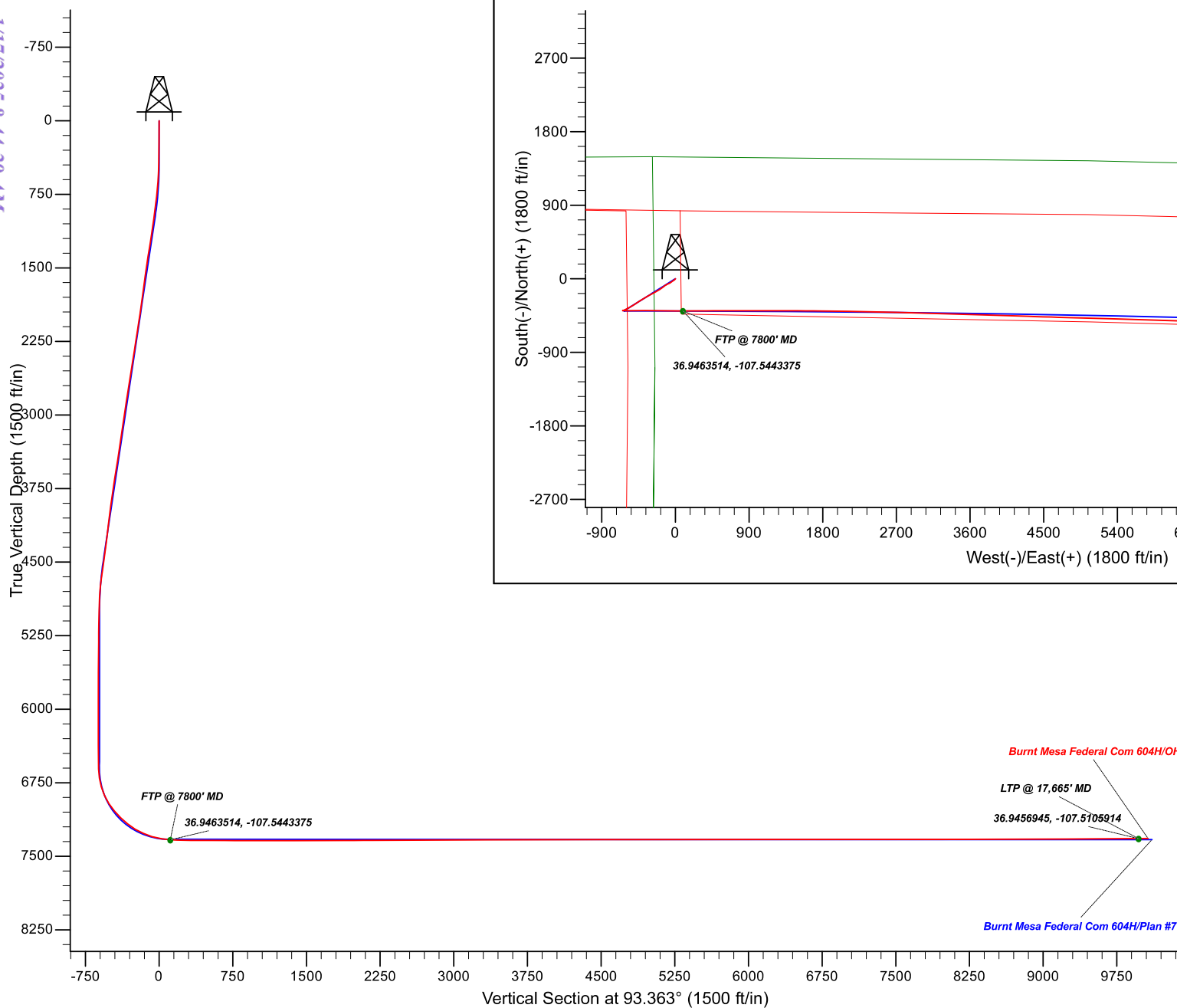
Janie Collins

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



WELL DETAILS: Burnt Mesa Federal Com 604H

	+N/-S	+E/-W	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)	6748.00
Northing	0.00	0.00	2164321.96	
Easting			2807447.06	
Latitude			36.9474310	
Longitude			-107.5446520	



Company Name: Hilcorp Energy - San Juan Basin
 Project: San Juan, NM NAD83
 Site: Burnt Mesa Pad
 Well: Burnt Mesa Federal Com 604H
 Wellbore: OH

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
 Local North: True

Created By: Janie Collins Date: 11:41, October 25 2024



Hilcorp Energy - San Juan Basin

San Juan, NM NAD83
Burnt Mesa Pad
Burnt Mesa Federal Com 604H

OH

Design: OH

Standard Survey Report

24 October, 2024



www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Burnt Mesa Federal Com 604H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Site:	Burnt Mesa Pad	MD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Well:	Burnt Mesa Federal Com 604H	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	Burnt Mesa Pad				
Site Position:		Northing:	2,164,372.20 usft	Latitude:	36.9475690
From:	Lat/Long	Easting:	2,807,446.32 usft	Longitude:	-107.5446540
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	0.17 °

Well	Burnt Mesa Federal Com 604H					
Well Position	+N/-S	0.00 ft	Northing:	2,164,321.96 usft	Latitude:	36.9474310
	+E/-W	0.00 ft	Easting:	2,807,447.06 usft	Longitude:	-107.5446520
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,748.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	8/3/2024	8.57	63.28	49,295.70000000

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	93.363	

Survey Program	Date	10/23/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
428.00	2,372.00	Survey #1 - Surface (OH)	MWD+HDGM	OWSG MWD + HDGM	
2,467.00	5,848.00	Survey #2 - Intermediate (OH)	MWD+HDGM	OWSG MWD + HDGM	
5,868.57	6,429.89	Survey #3 - Gyro Survey (OH)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
6,672.00	17,760.00	Survey #4 - Lateral (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	
428.00	1.72	210.100	427.94	-5.56	-3.22	-2.89	0.40	0.40	0.00	
517.00	3.23	228.860	516.85	-8.36	-5.78	-5.28	1.90	1.70	21.08	
607.00	5.30	229.810	606.60	-12.71	-10.87	-10.10	2.30	2.30	1.06	
696.00	7.09	233.450	695.07	-18.64	-18.42	-17.29	2.06	2.01	4.09	
786.00	7.97	235.190	784.30	-25.51	-28.00	-26.46	1.01	0.98	1.93	
875.00	9.07	234.800	872.31	-33.07	-38.80	-36.79	1.24	1.24	-0.44	
965.00	10.06	235.510	961.06	-41.61	-51.08	-48.55	1.11	1.10	0.79	



Scientific Drilling Survey Report



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Project:	San Juan, NM NAD83	TVD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Site:	Burnt Mesa Pad	MD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Well:	Burnt Mesa Federal Com 604H	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)
1,056.00	9.98	238.430	1,050.67	-50.24	-64.35	-61.29	0.57	-0.09	3.21
1,150.00	9.42	242.830	1,143.33	-58.02	-78.13	-74.59	0.99	-0.60	4.68
1,244.00	9.95	243.960	1,235.99	-65.10	-92.27	-88.29	0.60	0.56	1.20
1,338.00	11.18	242.870	1,328.40	-72.82	-107.68	-103.22	1.33	1.31	-1.16
1,433.00	10.86	237.210	1,421.65	-81.87	-123.40	-118.38	1.19	-0.34	-5.96
1,526.00	9.76	232.980	1,513.15	-91.36	-137.06	-131.46	1.44	-1.18	-4.55
1,620.00	10.53	232.390	1,605.68	-101.40	-150.22	-144.02	0.83	0.82	-0.63
1,714.00	9.61	233.030	1,698.23	-111.36	-163.30	-156.48	0.99	-0.98	0.68
1,807.00	9.79	233.660	1,789.90	-120.71	-175.87	-168.49	0.22	0.19	0.68
1,900.00	10.49	235.470	1,881.44	-130.20	-189.21	-181.25	0.83	0.75	1.95
1,994.00	10.42	238.890	1,973.88	-139.44	-203.54	-195.01	0.66	-0.07	3.64
2,088.00	10.78	240.890	2,066.28	-148.11	-218.50	-209.43	0.55	0.38	2.13
2,183.00	9.80	240.960	2,159.75	-156.35	-233.33	-223.76	1.03	-1.03	0.07
2,277.00	9.93	242.120	2,252.36	-164.03	-247.49	-237.44	0.25	0.14	1.23
2,372.00	10.52	241.890	2,345.85	-171.94	-262.38	-251.84	0.62	0.62	-0.24
2,467.00	11.01	241.250	2,439.18	-180.39	-277.98	-266.92	0.53	0.52	-0.67
2,561.00	9.93	242.260	2,531.61	-188.48	-293.02	-281.46	1.17	-1.15	1.07
2,656.00	9.65	242.050	2,625.23	-196.03	-307.31	-295.28	0.30	-0.29	-0.22
2,751.00	10.37	241.880	2,718.78	-203.79	-321.88	-309.37	0.76	0.76	-0.18
2,845.00	11.00	241.860	2,811.15	-212.01	-337.25	-324.24	0.67	0.67	-0.02
2,939.00	10.62	239.370	2,903.48	-220.65	-352.61	-339.06	0.64	-0.40	-2.65
3,034.00	10.71	237.190	2,996.84	-229.89	-367.57	-353.45	0.44	0.09	-2.29
3,128.00	9.95	237.750	3,089.32	-238.96	-381.78	-367.10	0.82	-0.81	0.60
3,222.00	9.61	239.090	3,181.95	-247.32	-395.38	-380.19	0.44	-0.36	1.43
3,316.00	9.80	239.200	3,274.61	-255.45	-408.98	-393.29	0.20	0.20	0.12
3,410.00	10.41	238.850	3,367.15	-263.94	-423.12	-406.91	0.65	0.65	-0.37
3,504.00	10.71	236.950	3,459.56	-273.10	-437.71	-420.93	0.49	0.32	-2.02
3,598.00	10.72	236.280	3,551.92	-282.71	-452.30	-434.94	0.13	0.01	-0.71
3,692.00	11.23	235.960	3,644.20	-292.69	-467.16	-449.18	0.55	0.54	-0.34
3,785.00	11.96	235.610	3,735.30	-303.20	-482.61	-464.00	0.79	0.78	-0.38
3,878.00	10.65	236.130	3,826.49	-313.43	-497.70	-478.46	1.41	-1.41	0.56
3,971.00	8.62	239.030	3,918.18	-321.81	-510.81	-491.06	2.24	-2.18	3.12
4,064.00	8.03	239.350	4,010.20	-328.71	-522.38	-502.20	0.64	-0.63	0.34
4,158.00	8.04	240.130	4,103.28	-335.33	-533.73	-513.14	0.12	0.01	0.83
4,252.00	8.39	239.510	4,196.31	-342.08	-545.34	-524.33	0.38	0.37	-0.66
4,346.00	8.81	240.990	4,289.25	-349.05	-557.54	-536.10	0.51	0.45	1.57
4,440.00	8.89	240.990	4,382.13	-356.07	-570.19	-548.32	0.09	0.09	0.00
4,534.00	9.28	242.400	4,474.96	-363.10	-583.26	-560.95	0.48	0.41	1.50
4,628.00	9.47	242.790	4,567.70	-370.15	-596.85	-574.11	0.21	0.20	0.41
4,723.00	8.81	244.350	4,661.49	-376.87	-610.36	-587.20	0.74	-0.69	1.64
4,817.00	6.18	243.510	4,754.68	-382.25	-621.38	-597.89	2.80	-2.80	-0.89
4,911.00	3.93	243.560	4,848.31	-385.94	-628.79	-605.07	2.39	-2.39	0.05
5,005.00	2.20	241.980	4,942.17	-388.22	-633.27	-609.41	1.84	-1.84	-1.68



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Burnt Mesa Federal Com 604H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Site:	Burnt Mesa Pad	MD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Well:	Burnt Mesa Federal Com 604H	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)	
5,099.00	0.92	264.170	5,036.14	-389.14	-635.61	-611.69	1.48	-1.36	23.61	
5,192.00	0.58	266.860	5,129.13	-389.24	-636.83	-612.90	0.37	-0.37	2.89	
5,286.00	0.71	294.860	5,223.12	-389.03	-637.83	-613.91	0.36	0.14	29.79	
5,380.00	0.74	309.840	5,317.12	-388.39	-638.82	-614.94	0.20	0.03	15.94	
5,473.00	0.99	302.970	5,410.10	-387.57	-639.96	-616.12	0.29	0.27	-7.39	
5,567.00	0.55	316.360	5,504.10	-386.80	-640.95	-617.16	0.50	-0.47	14.24	
5,660.00	0.22	267.330	5,597.09	-386.49	-641.44	-617.66	0.47	-0.35	-52.72	
5,754.00	0.26	249.670	5,691.09	-386.57	-641.82	-618.04	0.09	0.04	-18.79	
5,848.00	0.14	236.290	5,785.09	-386.71	-642.11	-618.32	0.14	-0.13	-14.23	
5,868.57	0.27	205.770	5,805.66	-386.77	-642.16	-618.36	0.80	0.63	-148.37	
5,892.14	0.10	221.020	5,829.23	-386.83	-642.19	-618.40	0.74	-0.72	64.70	
5,918.03	0.05	225.270	5,855.12	-386.86	-642.22	-618.42	0.19	-0.19	16.42	
5,943.75	0.38	196.050	5,880.84	-386.95	-642.25	-618.44	1.31	1.28	-113.61	
5,967.12	0.39	190.310	5,904.21	-387.10	-642.28	-618.47	0.17	0.04	-24.56	
5,993.47	0.55	167.730	5,930.56	-387.31	-642.27	-618.45	0.92	0.61	-85.69	
6,018.05	0.45	205.850	5,955.14	-387.51	-642.29	-618.45	1.38	-0.41	155.09	
6,043.79	0.57	193.070	5,980.88	-387.73	-642.36	-618.51	0.64	0.47	-49.65	
6,068.61	0.64	186.200	6,005.70	-387.99	-642.41	-618.54	0.41	0.28	-27.68	
6,094.52	0.47	178.010	6,031.61	-388.24	-642.42	-618.54	0.72	-0.66	-31.61	
6,117.19	0.52	194.300	6,054.28	-388.43	-642.44	-618.55	0.66	0.22	71.86	
6,142.25	0.50	201.140	6,079.33	-388.64	-642.51	-618.60	0.26	-0.08	27.29	
6,167.54	0.58	184.450	6,104.62	-388.87	-642.56	-618.64	0.69	0.32	-65.99	
6,192.69	0.52	182.600	6,129.77	-389.11	-642.57	-618.64	0.25	-0.24	-7.36	
6,217.52	0.44	196.180	6,154.60	-389.32	-642.60	-618.66	0.56	-0.32	54.69	
6,242.81	0.25	234.260	6,179.89	-389.44	-642.68	-618.72	1.14	-0.75	150.57	
6,267.79	0.36	224.460	6,204.87	-389.53	-642.78	-618.82	0.49	0.44	-39.23	
6,293.13	0.54	230.430	6,230.21	-389.66	-642.92	-618.96	0.73	0.71	23.56	
6,318.00	0.37	217.420	6,255.08	-389.80	-643.06	-619.09	0.80	-0.68	-52.31	
6,342.16	0.22	227.150	6,279.24	-389.89	-643.14	-619.16	0.65	-0.62	40.27	
6,367.70	0.14	253.980	6,304.78	-389.94	-643.21	-619.23	0.45	-0.31	105.05	
6,393.41	0.30	273.590	6,330.49	-389.94	-643.31	-619.32	0.68	0.62	76.27	
6,418.34	0.36	314.500	6,355.42	-389.88	-643.43	-619.45	0.95	0.24	164.10	
6,429.89	0.25	262.140	6,366.97	-389.86	-643.48	-619.50	2.48	-0.95	-453.33	
6,672.00	1.93	87.190	6,609.04	-389.73	-639.93	-615.97	0.90	0.69	-72.26	
6,766.00	9.23	87.740	6,702.53	-389.36	-630.80	-606.88	7.77	7.77	0.59	
6,859.00	15.76	93.580	6,793.28	-389.85	-610.72	-586.80	7.14	7.02	6.28	
6,953.00	24.36	87.660	6,881.50	-389.86	-578.55	-554.68	9.39	9.15	-6.30	
7,047.00	33.35	89.190	6,963.75	-388.70	-533.25	-509.53	9.60	9.56	1.63	
7,141.00	39.89	91.920	7,039.16	-389.34	-477.22	-453.56	7.17	6.96	2.90	
7,235.00	45.02	90.590	7,108.49	-390.70	-413.81	-390.18	5.54	5.46	-1.41	
7,328.00	52.29	89.260	7,169.89	-390.56	-344.04	-320.54	7.89	7.82	-1.43	
7,422.00	59.01	89.590	7,222.90	-389.79	-266.48	-243.16	7.15	7.15	0.35	
7,516.00	66.16	91.660	7,266.15	-390.75	-183.11	-159.87	7.85	7.61	2.20	
7,609.00	73.30	91.100	7,298.35	-392.84	-95.95	-72.74	7.70	7.68	-0.60	



Scientific Drilling Survey Report



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7,704.00	81.00	89.710	7,319.46	-393.48	-3.40	19.69	8.23	8.11	-1.46
7,797.00	85.19	89.770	7,330.64	-393.06	88.90	111.81	4.51	4.51	0.06
7,891.00	89.29	89.540	7,335.17	-392.49	182.77	205.48	4.37	4.36	-0.24
7,985.00	89.46	90.010	7,336.19	-392.12	276.76	299.29	0.53	0.18	0.50
8,079.00	89.80	89.660	7,336.80	-391.85	370.76	393.11	0.52	0.36	-0.37
8,173.00	89.66	89.740	7,337.24	-391.36	464.76	486.92	0.17	-0.15	0.09
8,267.00	89.73	89.750	7,337.74	-390.94	558.76	580.73	0.08	0.07	0.01
8,360.00	89.80	89.780	7,338.12	-390.56	651.76	673.54	0.08	0.08	0.03
8,454.00	89.73	90.070	7,338.51	-390.44	745.75	767.37	0.32	-0.07	0.31
8,548.00	90.13	89.740	7,338.62	-390.28	839.75	861.20	0.55	0.43	-0.35
8,642.00	90.00	89.770	7,338.52	-389.88	933.75	955.02	0.14	-0.14	0.03
8,735.00	90.00	90.260	7,338.52	-389.90	1,026.75	1,047.86	0.53	0.00	0.53
8,830.00	89.97	90.200	7,338.54	-390.28	1,121.75	1,142.72	0.07	-0.03	-0.06
8,924.00	90.00	90.180	7,338.57	-390.60	1,215.75	1,236.57	0.04	0.03	-0.02
9,017.00	90.03	90.160	7,338.54	-390.87	1,308.75	1,329.43	0.04	0.03	-0.02
9,111.00	89.97	90.040	7,338.54	-391.04	1,402.75	1,423.27	0.14	-0.06	-0.13
9,205.00	90.03	90.560	7,338.54	-391.53	1,496.75	1,517.14	0.56	0.06	0.55
9,298.00	90.07	90.560	7,338.46	-392.44	1,589.75	1,610.03	0.04	0.04	0.00
9,392.00	90.07	90.570	7,338.35	-393.36	1,683.74	1,703.92	0.01	0.00	0.01
9,487.00	90.20	90.600	7,338.12	-394.33	1,778.74	1,798.80	0.14	0.14	0.03
9,581.00	90.24	90.530	7,337.76	-395.26	1,872.73	1,892.69	0.09	0.04	-0.07
9,674.00	90.50	90.580	7,337.16	-396.16	1,965.72	1,985.58	0.28	0.28	0.05
9,769.00	90.50	90.810	7,336.33	-397.31	2,060.71	2,080.47	0.24	0.00	0.24
9,863.00	90.50	91.020	7,335.51	-398.82	2,154.70	2,174.38	0.22	0.00	0.22
9,956.00	90.20	91.370	7,334.94	-400.76	2,247.68	2,267.31	0.50	-0.32	0.38
10,050.00	90.07	91.290	7,334.72	-402.94	2,341.65	2,361.25	0.16	-0.14	-0.09
10,144.00	89.97	91.250	7,334.69	-405.02	2,435.63	2,455.19	0.11	-0.11	-0.04
10,238.00	90.00	91.390	7,334.71	-407.19	2,529.60	2,549.13	0.15	0.03	0.15
10,332.00	90.10	91.160	7,334.63	-409.28	2,623.58	2,643.07	0.27	0.11	-0.24
10,426.00	90.07	91.440	7,334.49	-411.41	2,717.55	2,737.01	0.30	-0.03	0.30
10,520.00	90.00	91.620	7,334.44	-413.92	2,811.52	2,830.96	0.21	-0.07	0.19
10,614.00	90.30	91.600	7,334.19	-416.56	2,905.48	2,924.92	0.32	0.32	-0.02
10,708.00	90.27	91.780	7,333.72	-419.33	2,999.44	3,018.87	0.19	-0.03	0.19
10,801.00	90.30	91.730	7,333.26	-422.18	3,092.40	3,111.84	0.06	0.03	-0.05
10,895.00	90.37	91.990	7,332.71	-425.23	3,186.34	3,205.80	0.29	0.07	0.28
10,988.00	90.34	91.890	7,332.13	-428.38	3,279.29	3,298.77	0.11	-0.03	-0.11
11,082.00	90.30	91.320	7,331.61	-431.01	3,373.25	3,392.73	0.61	-0.04	-0.61
11,177.00	90.20	91.500	7,331.19	-433.35	3,468.22	3,487.67	0.22	-0.11	0.19
11,271.00	90.17	91.600	7,330.89	-435.89	3,562.19	3,581.62	0.11	-0.03	0.11
11,365.00	90.27	91.480	7,330.53	-438.42	3,656.15	3,675.57	0.17	0.11	-0.13
11,458.00	90.24	91.800	7,330.12	-441.08	3,749.11	3,768.53	0.35	-0.03	0.34
11,552.00	90.27	91.600	7,329.70	-443.87	3,843.07	3,862.49	0.22	0.03	-0.21
11,645.00	90.20	91.950	7,329.32	-446.75	3,936.02	3,955.45	0.38	-0.08	0.38



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Burnt Mesa Federal Com 604H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Site:	Burnt Mesa Pad	MD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Well:	Burnt Mesa Federal Com 604H	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)
11,739.00	90.27	91.840	7,328.93	-449.86	4,029.97	4,049.42	0.14	0.07	-0.12
11,832.00	90.27	91.940	7,328.49	-452.93	4,122.92	4,142.39	0.11	0.00	0.11
11,926.00	90.20	91.920	7,328.11	-456.09	4,216.87	4,236.36	0.08	-0.07	-0.02
12,020.00	90.00	91.920	7,327.94	-459.24	4,310.81	4,330.33	0.21	-0.21	0.00
12,115.00	89.93	91.800	7,328.00	-462.32	4,405.76	4,425.30	0.15	-0.07	-0.13
12,208.00	90.03	92.000	7,328.03	-465.41	4,498.71	4,518.27	0.24	0.11	0.22
12,303.00	90.03	91.960	7,327.98	-468.69	4,593.66	4,613.24	0.04	0.00	-0.04
12,397.00	90.03	91.710	7,327.93	-471.70	4,687.61	4,707.21	0.27	0.00	-0.27
12,490.00	90.03	91.390	7,327.89	-474.22	4,780.57	4,800.16	0.34	0.00	-0.34
12,584.00	89.97	91.490	7,327.89	-476.58	4,874.54	4,894.11	0.12	-0.06	0.11
12,678.00	89.93	91.530	7,327.97	-479.06	4,968.51	4,988.06	0.06	-0.04	0.04
12,772.00	90.00	91.390	7,328.02	-481.45	5,062.48	5,082.00	0.17	0.07	-0.15
12,866.00	89.93	91.630	7,328.08	-483.93	5,156.45	5,175.96	0.27	-0.07	0.26
12,960.00	90.00	91.590	7,328.14	-486.57	5,250.41	5,269.91	0.09	0.07	-0.04
13,054.00	89.90	91.980	7,328.22	-489.50	5,344.36	5,363.88	0.43	-0.11	0.41
13,148.00	89.97	91.870	7,328.33	-492.65	5,438.31	5,457.85	0.14	0.07	-0.12
13,241.00	89.97	91.890	7,328.38	-495.70	5,531.26	5,550.81	0.02	0.00	0.02
13,335.00	89.97	91.880	7,328.43	-498.80	5,625.21	5,644.78	0.01	0.00	-0.01
13,429.00	89.93	92.010	7,328.51	-501.99	5,719.16	5,738.75	0.14	-0.04	0.14
13,523.00	89.97	91.800	7,328.59	-505.11	5,813.10	5,832.72	0.23	0.04	-0.22
13,617.00	90.03	91.840	7,328.59	-508.10	5,907.06	5,926.69	0.08	0.06	0.04
13,711.00	89.97	92.170	7,328.59	-511.39	6,001.00	6,020.66	0.36	-0.06	0.35
13,805.00	89.93	91.620	7,328.67	-514.49	6,094.95	6,114.63	0.59	-0.04	-0.59
13,899.00	89.90	91.650	7,328.81	-517.18	6,188.91	6,208.59	0.05	-0.03	0.03
13,993.00	90.20	91.580	7,328.73	-519.83	6,282.87	6,302.55	0.33	0.32	-0.07
14,087.00	90.13	91.690	7,328.46	-522.51	6,376.83	6,396.50	0.14	-0.07	0.12
14,181.00	90.17	91.500	7,328.21	-525.12	6,470.80	6,490.46	0.21	0.04	-0.20
14,275.00	90.44	91.690	7,327.71	-527.74	6,564.76	6,584.41	0.35	0.29	0.20
14,369.00	90.40	91.510	7,327.02	-530.37	6,658.72	6,678.36	0.20	-0.04	-0.19
14,464.00	89.93	91.560	7,326.75	-532.91	6,753.68	6,773.31	0.50	-0.49	0.05
14,558.00	90.00	91.840	7,326.81	-535.70	6,847.64	6,867.28	0.31	0.07	0.30
14,652.00	90.07	91.770	7,326.75	-538.66	6,941.60	6,961.24	0.11	0.07	-0.07
14,746.00	89.93	91.870	7,326.75	-541.64	7,035.55	7,055.21	0.18	-0.15	0.11
14,841.00	89.97	91.780	7,326.83	-544.67	7,130.50	7,150.17	0.10	0.04	-0.09
14,935.00	89.93	91.470	7,326.91	-547.34	7,224.46	7,244.13	0.33	-0.04	-0.33
15,029.00	89.90	91.500	7,327.05	-549.77	7,318.43	7,338.08	0.05	-0.03	0.03
15,123.00	89.93	91.400	7,327.19	-552.15	7,412.40	7,432.03	0.11	0.03	-0.11
15,217.00	89.93	91.340	7,327.31	-554.40	7,506.37	7,525.97	0.06	0.00	-0.06
15,311.00	89.90	91.400	7,327.45	-556.65	7,600.35	7,619.91	0.07	-0.03	0.06
15,405.00	89.97	91.530	7,327.55	-559.05	7,694.32	7,713.86	0.16	0.07	0.14
15,500.00	90.00	91.770	7,327.58	-561.78	7,789.28	7,808.82	0.25	0.03	0.25
15,594.00	89.97	91.690	7,327.60	-564.62	7,883.23	7,902.78	0.09	-0.03	-0.09
15,688.00	89.93	91.800	7,327.69	-567.48	7,977.19	7,996.74	0.12	-0.04	0.12



Scientific Drilling
Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well Burnt Mesa Federal Com 604H
Project:	San Juan, NM NAD83	TVD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Site:	Burnt Mesa Pad	MD Reference:	GL 6748' & RKB 25.1' @ 6773.10ft (Nabors B29)
Well:	Burnt Mesa Federal Com 604H	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)	
15,783.00	89.93	91.670	7,327.80	-570.36	8,072.15	8,091.70	0.14	0.00	-0.14	
15,877.00	90.10	91.770	7,327.78	-573.18	8,166.10	8,185.66	0.21	0.18	0.11	
15,970.00	90.20	91.410	7,327.53	-575.76	8,259.07	8,278.62	0.40	0.11	-0.39	
16,064.00	90.17	91.750	7,327.23	-578.35	8,353.03	8,372.57	0.36	-0.03	0.36	
16,158.00	90.17	91.730	7,326.95	-581.21	8,446.99	8,466.54	0.02	0.00	-0.02	
16,252.00	90.17	91.600	7,326.67	-583.94	8,540.95	8,560.49	0.14	0.00	-0.14	
16,346.00	90.20	91.600	7,326.37	-586.56	8,634.91	8,654.45	0.03	0.03	0.00	
16,441.00	90.20	91.660	7,326.04	-589.27	8,729.87	8,749.40	0.06	0.00	0.06	
16,535.00	90.17	91.740	7,325.73	-592.06	8,823.83	8,843.36	0.09	-0.03	0.09	
16,629.00	90.24	91.800	7,325.40	-594.96	8,917.78	8,937.33	0.10	0.07	0.06	
16,724.00	90.17	92.120	7,325.06	-598.21	9,012.73	9,032.30	0.34	-0.07	0.34	
16,819.00	90.27	91.860	7,324.69	-601.51	9,107.67	9,127.27	0.29	0.11	-0.27	
16,913.00	90.24	91.770	7,324.27	-604.48	9,201.62	9,221.23	0.10	-0.03	-0.10	
17,007.00	90.10	92.050	7,324.00	-607.62	9,295.57	9,315.20	0.33	-0.15	0.30	
17,101.00	90.30	91.830	7,323.67	-610.80	9,389.51	9,409.17	0.32	0.21	-0.23	
17,196.00	90.57	91.770	7,322.95	-613.78	9,484.46	9,504.14	0.29	0.28	-0.06	
17,290.00	90.57	91.820	7,322.01	-616.73	9,578.41	9,598.10	0.05	0.00	0.05	
17,384.00	90.40	92.280	7,321.22	-620.09	9,672.35	9,692.07	0.52	-0.18	0.49	
17,478.00	90.40	92.150	7,320.56	-623.72	9,766.28	9,786.05	0.14	0.00	-0.14	
17,571.00	90.40	92.010	7,319.91	-627.10	9,859.21	9,879.02	0.15	0.00	-0.15	
17,665.00	90.44	92.050	7,319.22	-630.43	9,953.15	9,972.99	0.06	0.04	0.04	
17,738.00	90.50	92.680	7,318.62	-633.44	10,026.09	10,045.98	0.87	0.08	0.86	
17,760.00	90.50	92.680	7,318.43	-634.47	10,048.06	10,067.98	0.00	0.00	0.00	

Checked By:	_____	Approved By:	_____	Date:	_____
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM2995

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.

2. Name of Operator
Hilcorp Energy Company

8. Lease Name and Well No.
Burnt Mesa Federal Com 604H

3. Address **382 Road 3100, Aztec, NM 87410** 3a. Phone No. (include area code) **(505) 599-3400**

9. API Well No.
30-045-38340

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface
M (SW/SW) 1084' FSL & 259' FWL
At top prod. Interval reported below
M (SW/SW) 692' FSL & 346' FWL Sec 26
At total depth
P (SE/SE) Sec 25 LTP: 674' FSL & 391' FEL Sec 25 / BHL: 672' FSL & 297' FEL

10. Field and Pool or Exploratory
Basin Mancos
11. Sec., T., R., M., on Block and
Survey or Area
Sec. 26, T32N, R07W
12. County or Parish **San Juan** 13. State **New Mexico**

14. Date Spudded **5/6/2024** 15. Date T.D. Reached **7/26/2024** 16. Date Completed **11/9/2024**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6748' GL

18. Total Depth:
7,318' TVD / 17,760' MD 19. Plug Back T.D.:
7,318' TVD / 17,694' MD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
17 1/2"	13 3/8" J-55	54.5	0	395'		372 sx	91 bbls	0	40 bbls surf
12 1/4"	9 5/8" L80	43.5	0	6,603'		1556 sx	760 bbls		69 bbls to surf
8 1/2"	5 1/2" P110	20	0	17,743'		2535 sx	668 bbls	6882'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mancos	7,810'	17,629'	6 SPF	0.38"	2,400	Open
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
7,810'-17,629'	50 STAGES: TOTAL 15% HCL 155.4 BBL, TOTAL FLUID 668,551 BBL, TOTAL PROPPANT 24,500,000 LBS.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/9/2024	11/9/2024	8 hours	➡	0	900	176			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64"	N/A	2445	➡	0	2,700	528			Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➡						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➡						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	2421'	2596'	White, cr-gr ss	Ojo Alamo	2421'
Kirtland	2596'	3298'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2596'
Fruitland	3298'	3613'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3298'
Pictured Cliffs	3613'	4028'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3613'
Lewis	4028'	4901'	Shale w/ siltstone stingers	Lewis	4028'
Chacra	4901'	5475'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4901'
Cliffhouse	5475'	5863'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5475'
Menefee	5863'	6063'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5863'
Point Lookout	6063'	6544'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	6063'
Mancos	6544'	'	Dark gry carb sh.	Mancos	6544'
Gallup	'	'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	'
Greenhorn	'	'	Highly calc gry sh w/ thin lmst.	Greenhorn	'
Graneros	'	'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	'
Dakota	'	'	Lt to dark gry foss carb sl calc sl sity ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	'

32. Additional remarks (include plugging procedure):

Well is now producing as a Mancos HZ under NMNM002995
Com Agreement delivered 4/6/2023

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
- ☐ Geologic Report
- ☐ DST Report
- ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
- ☐ Core Analysis
- ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Amanda Walker

Title

Operations/Regulatory Technician - Sr.

Signature



Date

12/6/2024

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Mandi Walker

From: blm-afmss-notifications@blm.gov
Sent: Tuesday, December 17, 2024 9:32 AM
To: Mandi Walker
Subject: [EXTERNAL] Well Name: BURNT MESA FEDERAL COM, Well Number: 604H, Notification of Well Completion Acceptance

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

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **BURNT MESA FEDERAL COM**
- Well Number: **604H**
- US Well Number: **3004538340**
- Well Completion Report Id: **WCR2024121793978**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Well Name: BURNT MESA FEDERAL COM	Well Location: T32N / R07W / SEC 26 / SWSW / 36.947431 / -107.544652	County or Parish/State: SAN JUAN / NM
Well Number: 604H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM2995	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004538340	Operator: HILCORP ENERGY COMPANY	

Subsequent Report

Sundry ID: 2826914

Type of Submission: Subsequent Report

Type of Action: Drilling Operations

Date Sundry Submitted: 12/11/2024

Time Sundry Submitted: 08:20

Date Operation Actually Began: 08/24/2024

Actual Procedure: Hilcorp Energy Company has drilled and completed the following well within the Mancos. Please see the attached completions operations.

SR Attachments

PAActual Procedure

Burnt_Mesa_Federal_Com_604H_SR_Writeup_20241211082023.pdf

Well Name: BURNT MESA FEDERAL COM	Well Location: T32N / R07W / SEC 26 / SWSW / 36.947431 / -107.544652	County or Parish/State: SAN JUAN / NM
Well Number: 604H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM2995	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004538340	Operator: HILCORP ENERGY COMPANY	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: AMANDA WALKER	Signed on: DEC 11, 2024 08:20 AM
Name: HILCORP ENERGY COMPANY	
Title: Operations/Regulatory Technician	
Street Address: 1111 TRAVIS ST	
City: HOUSTON	State: TX
Phone: (346) 237-2177	
Email address: MWALKER@HILCORP.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 12/11/2024
Signature: Kenneth Rennick	

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	11. Country or Parish, State

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well	
☐ Oil Well	☐ Gas Well
☐ Other	
2. Name of Operator	
3a. Address	3b. Phone No. (include area code)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SWSW / 1084 FSL / 259 FWL / TWSP: 32N / RANGE: 07W / SECTION: 26 / LAT: 36.947431 / LONG: -107.544652 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 1468 FSL / 330 FEL / TWSP: 3N / RANGE: 07W / SECTION: 25 / LAT: 36.947872 / LONG: -107.510397 (TVD: 7520 feet, MD: 18023 feet)

PPP: NWSW / 1422 FSL / 330 FWL / TWSP: 32N / RANGE: 07W / SECTION: 26 / LAT: 36.948357 / LONG: -107.544425 (TVD: 7527 feet, MD: 7979 feet)

PPP: NWSW / 1431 FSL / 0 FEL / TWSP: 32N / RANGE: 07W / SECTION: 25 / LAT: 36.948115 / LONG: -107.52732 (TVD: 7527 feet, MD: 7979 feet)

BHL: NESE / 1468 FSL / 230 FEL / TWSP: 32N / RANGE: 07W / SECTION: 25 / LAT: 36.947867 / LONG: -107.510055 (TVD: 7520 feet, MD: 18023 feet)

CONFIDENTIAL

Burnt Mesa Federal Com 604H
30-045-38340
NMNM2995
SR Completion Operations

8/24/2024: MIRU FRAC/PERF CREW. TEST CSG TO 6900 PSI FOR 30 MIN, GOOD TEST.

FRAC OPERATIONS: 9/12/2024 – 10/15/2024 50 STAGES: TOTAL 15% HCL 155.4 BBL, TOTAL FLUID 668,551 BBL, TOTAL PROPPANT 24,500,000 LBS.

PERF OPERATIONS: 8/25/2024 – 10/14/2024 50 STAGES: 2,400 SHOTS, 6 SPF, 0.38" DIA, 3 1/8" GUN @ 7,332' TVD/7,810' MD TO 7,320' TVD/17,629' MD

FRAC PLUGS SET BETWEEN STAGES AT THE FOLLOWING INTERVALS: 9/12/2024: 7,32'1 TV/17,475' MD, **REMOVED 10/27/2024.** 9/14/2024: 7,322' TVD/17,275' MD, **REMOVED 10/27/2024.** 9/15/2024: 7,324' TVD/17,075' MD AND 7,324' TVD/16,875' MD **REMOVED 10/27/2024.** 9/16/2024: 7,326' TVD/16,675' MD **REMOVED 10/27/2024.** 9/17/2024: 7,326' TVD/16,475' MD **REMOVED 10/27/2024.** 9/18/2024: 7,327' TVD/16,275' MD **REMOVED 10/27/2024.** 9/19/2024: 7,327' TVD/16,075' MD AND 7,328' TCD/15,875' MD AND 7,328' TVD/15,675' MD **REMOVED 10/27/2024.** 9/21/2024: 7,328' TVD/15,475' MD **REMOVED 10/26/2024.** 9/22/2024: 7,327' TVD/15,275' MD **REMOVED 10/26/2024.** 9/23/2024: 7,327' TVD/15,075' MD **REMOVED 10/26/2024.** 9/24/2024: 7,327' TVD/14,875' MD AND 7,328' TVD/14,675' MD **REMOVED 10/26/2024.** 9/25/2024: 7,327' TVD/14,475' MD **REMOVED 10/26/2024.** 9/26/2024: 7,328' TVD/14,275' MD AND 7,329' TVD/14,075' MD **REMOVED 10/26/2024.** 9/27/2024: 7,329' TVD/13,875' MD **REMOVED 10/26/2024.** 9/28/2024: 7,329' TVD/13,675' MD AND 7,329' TVD/13,475' MD **REMOVED 10/26/2024.** 9/29/2024: 7,328' TVD/13,275' MD **REMOVED 10/26/2024.** 7,328' TVD/13,075' MD AND 7,328' TVD/12,875' MD **REMOVED 10/26/2024.** 10/1/2024: 7,328' TVD/12,675' MD **REMOVED 10/26/2024.** 10/2/2024: 7,328' TVD/12,475' MD AND 7,328' TVD/12,275' MD **REMOVED 10/26/2024.** 10/3/2024: 7,328' TVD/12,075' MD **REMOVED 10/26/2024.** 10/4/2024: 7,328' TVD/11,875' MD AND 7,329' TVD/11,675' MD **REMOVED 10/26/2024.** 10/5/2024: 7,330' TVD/11,475' MD AND 7,331' TVD/11,275' MD **REMOVED 10/26/2024.** 10/6/2024: 7,332' TVD/11,075' MD **REMOVED 10/25/2024.** 10/7/2024: 7,332' TVD/10,875' MD **REMOVED 10/25/2024.** 10/8/2024: 7,334' TVD/10,475' MD AND 7,334' TVD/10,275' MD **REMOVED 10/25/2024.** 10/9/2024: 7,335' TVD/10,075' MD AND 7,335' TVD/9,875' MD **REMOVED 10/25/2024.** 10/10/2024: 7,337' TVD/9,675' MD AND 7,338' TVD/9,475' MD **REMOVED 10/25/2024.** 10/11/2024: 7,339' TVD/9,275' MD **REMOVED 10/25/2024.** 10/12/2024: 7,339' TVD/9,075' MD AND 7,339' TVD/8,875' MD AND 7,339' TVD/8,675' MD **REMOVED 10/25/2024.** 10/13/2024: 7,339' TVD/8,475' MD AND 7,338' TVD/8,275' MD **REMOVED 10/25/2024.** 10/14/2024: 7,337' TVD/8,075' MD AND 7,335' TVD/7,875' MD **REMOVED 10/25/2024.**

Per BLM COA: BHP is as follows: First stage perms were opened on August 25, 2024. On September 10, 2024, SI wellhead pressure was 950 psi, with fluid level at surface, the calculated bottomhole pressure prior to fracing was 4,124 psi.

Burnt Mesa Federal Com 604H

AS DRILLED WBD
DRAWING NOT TO SCALE

State: NM
County: San Juan
API: 3004538340
GL: 6748'
KB: 26'
SPUD: 5/6/2024

Surface Casing

17-1/2” Hole TD @ 395’ MD
13-3/8” 54.5# J55 BTC set at 395’ MD
372 sx (91 bbls, 14.6ppg) cmt
Circ’d 40 bbls cmt to surface

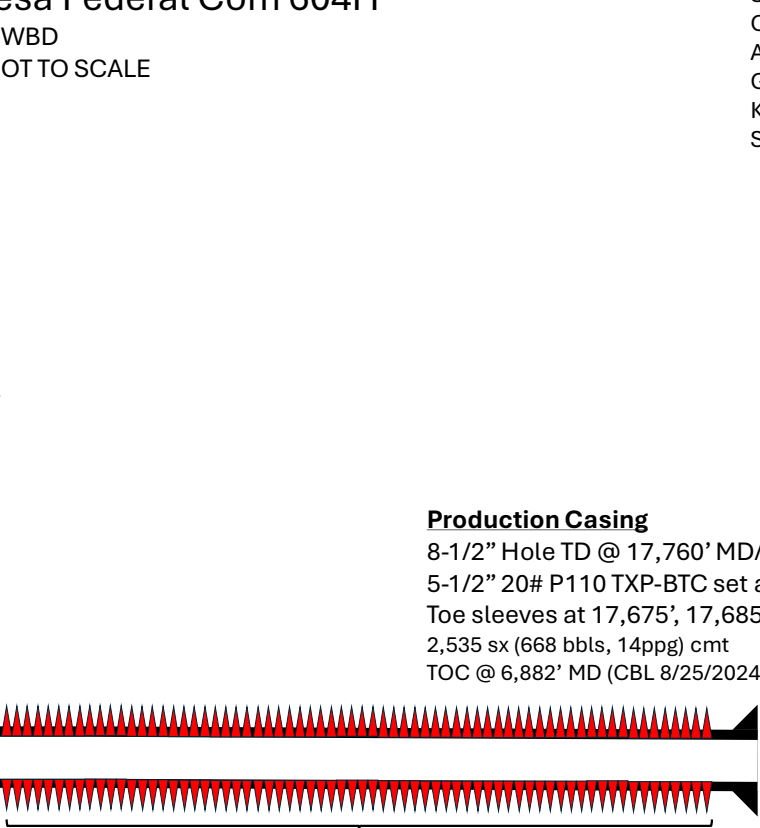
Formation	TVD
OJO	2421
KIRTLAND	2596
FRUITLAND	3298
PICTURED CLIFFS	3613
MESAVERDE	4028
MANCOS	6544

Intermediate Casing

12-1/4” Hole TD @ 6,620’ MD/6,557’ TVD
9-5/8” 43.5# L80 BTC set at 6,603’ MD/6540’ TVD
DV tools @ 3,216’, 5,858’, ACP 3384’
Stage 1: 89 sx (46 bbls, 11.5ppg) + 75 sx (29 bbls, 12.5 ppg) cmt, circ’d 20 bbls cmt to surface
Stage 2: 645 sx (335 bbls, 11.5ppg) + 262 sx (100 bbls, 12.5 ppg) cmt, circ’d 98 bbls cmt to surface
Stage 3: 485 sx (250 bbls, 11.5ppg) cmt, circ’d 69 bbls cmt to surface

Production Casing

8-1/2” Hole TD @ 17,760’ MD/7,318’ TVD
5-1/2” 20# P110 TXP-BTC set at 17,742’ MD/7,318’ TVD
Toe sleeves at 17,675’, 17,685’
2,535 sx (668 bbls, 14ppg) cmt
TOC @ 6,882’ MD (CBL 8/25/2024)



Perforated Interval: 7,810'- 7320' TVD/7,332'-17,629' MD
50 stages

Bore Name	Casing Top (MD)	KOP Method	KOP (MD)	KOP (TVD)	Top of String T-32-N R-7-W	Top of KOP T-32-N R-7-W	First Take Point T-32-N R-7-W	Total Depth (MD)	Total Depth (TVD)	Casing Bottom (MD)	Last Take Point T-32-N R-7-W
Surface	0	N/A	N/A	N/A	1084’ FSL & 259’ FWL (26)	N/A	N/A	395	395	395	N/A
Intermediate	0	Steerable	428’	428’	1084’ FSL & 259’ FWL (26)	1078’ FSL & 256’ FWL (26)	N/A	6620	6557	6603	N/A
Production	0	Steerable	428’	428’	1084’ FSL & 259’ FWL (26)	1078’ FSL & 256’ FWL (26)	692’ FSL & 346’ FWL (26)	17760	7318	17742	674’ FSL & 391’ FEL (25)

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 413456

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 413456
	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

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 413456

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 413456
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	1/17/2025