

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Longfellow Energy LP 8115 Preston Road, Suite 800 Dallas, TX 75225		² OGRID Number 372210
		³ Reason for Filing Code/ Effective Date RT 6/2021
⁴ API Number 30 – 015-47480	⁵ Pool Name Empire; Glorieta - Yeso	⁶ Pool Code 96210
⁷ Property Code 329704	⁸ Property Name Hendrix State Com 13 CD	⁹ Well Number 002H

II. ¹⁰ Surface Location

Ul or lot no. I	Section 14	Township 17S	Range 28E	Lot Idn	Feet from the 1362	North/South Line South	Feet from the 175	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. I	Section 13	Township 17S	Range 28E	Lot Idn I	Feet from the 1820	North/South line South	Feet from the 20	East/West line East	County Eddy
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 6/14/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
33479	Holly Frontier Refining and Marketing LLC 10 Desta Drive, Suite 350 W Midland, TX 79705	Oil
36785	DCP Operating Company LP	Gas

IV. Well Completion Data

²¹ Spud Date 3/8/2021	²² Ready Date 6/16/2021	²³ TD 4450'V/9790'M	²⁴ PBTD 4450'V/9746'M	²⁵ Perforations 4,687'-9,667'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-3/4"	9-5/8"	1263'	650		
8-3/4"	7"	3604'	2015		
8-3/4"	5-1/2"	9790'	2015		
	2-3/8"	3377'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² 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. Signature: 			OIL CONSERVATION DIVISION		
Printed name: David Cain			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Manager			Title: PETROLEUM SPECIALIST		
E-mail Address: David.cain@longfellowenergy.com			Approval Date: 7/2/2021		
Date: 6/16/2021		Phone: (972) 590-9900	RT EXPIRES 9/16/2021		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code	³ Pool Name	
⁴ Property Code	⁵ Property Name			⁶ Well Number
	HENDRIX STATE COM 13CD			002H
⁷ OGRID No.	⁸ Operator Name			⁹ Elevation
372210	LONGFELLOW ENERGY, LP			3635.6

¹⁰ Surface Location

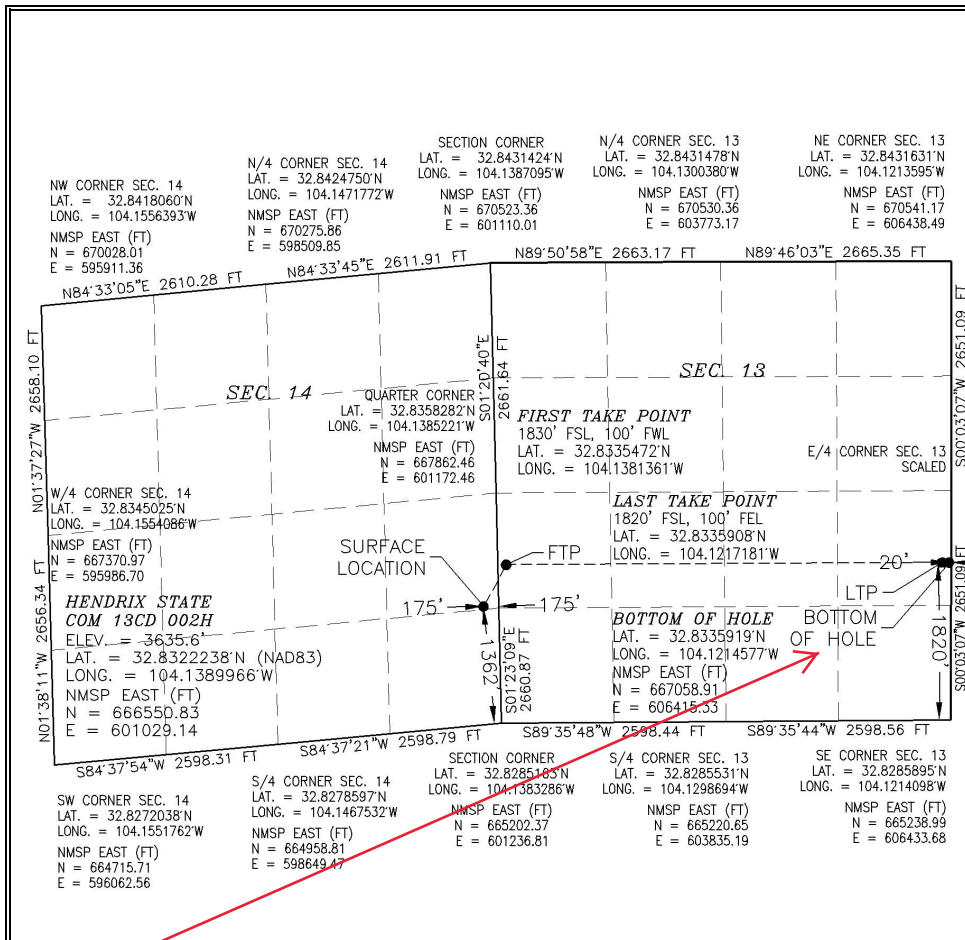
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	14	17 S	28 E		1362	SOUTH	175	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	13	17 S	28 E		1820	SOUTH	20	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____

Date _____

Printed Name _____

E-mail Address

18 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.

SEPTEMBER 1, 2020

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: ILLANO E. JARAMILLO, DLS 12797

PROFESSIONAL SURVEY NO. 8443

[illegible]



Longfellow Energy

Eddy Co., NM (Nad-83)
Hendrix State Com 13CD
#002H

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 March, 2021





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Well:	#002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Project	Eddy Co., NM (Nad-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Hendrix State Com 13CD				
Site Position:		Northing:	666,311.86 usft	Latitude:	32.831566
From:	Lat/Long	Easting:	601,212.83 usft	Longitude:	-104.138400
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.106 °

Well	#002H					
Well Position	+N/-S	0.00 usft	Northing:	666,550.83 usft	Latitude:	32.832224
	+E/-W	0.00 usft	Easting:	601,029.14 usft	Longitude:	-104.138997
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,635.60 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/29/2021	6.901	60.380	47,831.61914071

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	89.71	

Survey Program	Date	3/19/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
224.00	9,800.00	Survey #1 (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLAT Hendrix13CD #2H: SHL (1362' FSL & 175' FEL)									
224.00	0.97	222.04	223.99	-1.41	-1.27	-1.28	0.43	0.43	0.00
313.00	1.63	242.96	312.97	-2.54	-2.90	-2.91	0.90	0.74	23.51
404.00	2.37	279.26	403.91	-2.83	-5.91	-5.93	1.57	0.81	39.89
492.00	3.21	293.14	491.81	-1.57	-9.97	-9.98	1.22	0.95	15.77
583.00	5.14	307.12	582.57	1.89	-15.57	-15.56	2.38	2.12	15.36
673.00	6.51	312.74	672.10	7.79	-22.53	-22.49	1.65	1.52	6.24
763.00	8.97	316.43	761.27	16.34	-31.11	-31.03	2.79	2.73	4.10
852.00	10.51	317.84	848.99	27.38	-41.34	-41.21	1.75	1.73	1.58
943.00	10.29	319.33	938.49	39.70	-52.21	-52.01	0.38	-0.24	1.64



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Well:	#002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,033.00	10.33	321.44	1,027.04	52.11	-62.48	-62.22	0.42	0.04	2.34
1,122.00	9.93	322.50	1,114.65	64.43	-72.13	-71.80	0.50	-0.45	1.19
1,202.00	9.98	324.26	1,193.45	75.53	-80.37	-79.99	0.39	0.06	2.20
1,293.00	9.80	325.30	1,283.10	88.30	-89.39	-88.94	0.28	-0.20	1.14
1,379.00	9.82	325.50	1,367.84	100.36	-97.71	-97.20	0.05	0.02	0.23
1,465.00	9.88	324.38	1,452.57	112.40	-106.16	-105.59	0.23	0.07	-1.30
1,553.00	9.86	324.53	1,539.27	124.68	-114.93	-114.30	0.04	-0.02	0.17
1,639.00	9.67	324.52	1,624.02	136.56	-123.39	-122.70	0.22	-0.22	-0.01
1,725.00	9.86	324.17	1,708.78	148.41	-131.90	-131.14	0.23	0.22	-0.41
1,813.00	9.85	324.35	1,795.48	160.63	-140.70	-139.88	0.04	-0.01	0.20
1,902.00	9.84	323.66	1,883.17	172.94	-149.64	-148.76	0.13	-0.01	-0.78
1,989.00	9.93	324.31	1,968.88	185.02	-158.42	-157.48	0.16	0.10	0.75
2,078.00	9.97	324.26	2,056.54	197.51	-167.40	-166.40	0.05	0.04	-0.06
2,165.00	10.14	324.26	2,142.20	209.84	-176.27	-175.21	0.20	0.20	0.00
2,253.00	10.21	323.91	2,228.82	222.43	-185.39	-184.26	0.11	0.08	-0.40
2,339.00	10.11	323.44	2,313.47	234.65	-194.37	-193.18	0.15	-0.12	-0.55
2,426.00	10.04	322.27	2,399.13	246.78	-203.56	-202.31	0.25	-0.08	-1.34
2,512.00	9.81	321.68	2,483.84	258.46	-212.69	-211.38	0.29	-0.27	-0.69
2,600.00	9.87	321.39	2,570.55	270.24	-222.05	-220.68	0.09	0.07	-0.33
2,689.00	9.88	321.11	2,658.23	282.14	-231.60	-230.17	0.06	0.01	-0.31
2,776.00	9.84	321.91	2,743.94	293.80	-240.87	-239.38	0.16	-0.05	0.92
2,863.00	9.86	322.48	2,829.66	305.56	-250.00	-248.45	0.11	0.02	0.66
2,952.00	9.91	322.85	2,917.34	317.71	-259.26	-257.65	0.09	0.06	0.42
3,040.00	9.81	323.06	3,004.04	329.73	-268.34	-266.67	0.12	-0.11	0.24
3,125.00	9.62	322.48	3,087.82	341.16	-277.02	-275.29	0.25	-0.22	-0.68
3,212.00	9.45	322.14	3,173.62	352.56	-285.83	-284.04	0.21	-0.20	-0.39
3,297.00	9.38	321.03	3,257.47	363.45	-294.47	-292.63	0.23	-0.08	-1.31
3,383.00	9.00	319.30	3,342.37	374.00	-303.26	-301.37	0.55	-0.44	-2.01
3,468.00	9.54	320.01	3,426.26	384.44	-312.12	-310.18	0.65	0.64	0.84
3,554.00	10.08	319.50	3,511.00	395.62	-321.59	-319.59	0.64	0.63	-0.59
3,641.00	10.64	319.46	3,596.58	407.52	-331.76	-329.69	0.64	0.64	-0.05
3,728.00	7.07	326.36	3,682.53	418.08	-339.95	-337.83	4.27	-4.10	7.93
3,817.00	6.61	54.67	3,771.10	425.62	-338.80	-336.64	10.70	-0.52	99.22
3,903.00	16.69	85.83	3,855.29	429.39	-322.39	-320.21	13.42	11.72	36.23
3,991.00	26.53	98.68	3,937.05	427.34	-290.26	-288.10	12.35	11.18	14.60
4,079.00	35.76	98.04	4,012.28	420.76	-245.28	-243.14	10.50	10.49	-0.73
4,166.00	46.47	90.92	4,077.77	416.69	-188.37	-186.26	13.42	12.31	-8.18
4,254.00	53.93	84.40	4,134.09	419.65	-120.94	-118.82	10.20	8.48	-7.41
4,339.00	58.84	84.16	4,181.14	426.71	-50.53	-48.37	5.78	5.78	-0.28
4,425.00	63.04	84.32	4,222.90	434.25	24.25	26.44	4.89	4.88	0.19
4,512.00	67.17	86.70	4,259.52	440.40	102.90	105.12	5.36	4.75	2.74
4,598.00	74.29	88.34	4,287.89	443.88	183.95	186.19	8.47	8.28	1.91
4,681.62	78.25	88.57	4,307.72	446.08	265.13	267.39	4.75	4.74	0.27



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Well:	#002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
FINAL FTP/ 100' FWL @ 4681.62' MD									
4,684.90	78.41	88.57	4,308.39	446.16	268.34	270.60	4.75	4.74	0.27
PLAT Hendrix13CD #2H: FTP/ LP (100' FWL)									
4,687.00	78.51	88.58	4,308.81	446.21	270.40	272.66	4.75	4.74	0.27
4,774.00	85.05	88.58	4,321.24	448.34	356.43	358.70	7.52	7.52	0.00
4,902.00	88.73	89.05	4,328.18	450.98	484.20	486.47	2.90	2.87	0.37
4,987.00	89.06	89.15	4,329.82	452.32	569.17	571.45	0.41	0.39	0.12
5,072.00	88.05	88.44	4,331.97	454.10	654.12	656.41	1.45	-1.19	-0.84
5,158.00	88.47	87.98	4,334.58	456.79	740.04	742.34	0.72	0.49	-0.53
5,243.00	89.23	87.80	4,336.28	459.92	824.97	827.28	0.92	0.89	-0.21
5,329.00	89.80	88.36	4,337.01	462.80	910.91	913.24	0.93	0.66	0.65
5,414.00	88.25	88.77	4,338.46	464.93	995.87	998.21	1.89	-1.82	0.48
5,499.00	87.54	88.60	4,341.58	466.88	1,080.79	1,083.14	0.86	-0.84	-0.20
5,587.00	88.27	89.03	4,344.80	468.69	1,168.71	1,171.07	0.96	0.83	0.49
5,674.00	87.38	88.62	4,348.10	470.48	1,255.63	1,258.00	1.13	-1.02	-0.47
5,759.00	86.43	87.78	4,352.69	473.14	1,340.46	1,342.84	1.49	-1.12	-0.99
5,846.00	86.90	87.54	4,357.75	476.69	1,427.24	1,429.64	0.61	0.54	-0.28
5,937.00	87.58	87.80	4,362.13	480.38	1,518.06	1,520.47	0.80	0.75	0.29
6,024.00	87.89	87.95	4,365.57	483.61	1,604.93	1,607.36	0.40	0.36	0.17
6,112.00	88.14	88.01	4,368.62	486.71	1,692.83	1,695.27	0.29	0.28	0.07
6,202.00	88.59	88.29	4,371.19	489.61	1,782.74	1,785.20	0.59	0.50	0.31
6,292.00	88.86	88.76	4,373.19	491.93	1,872.69	1,875.16	0.60	0.30	0.52
6,382.00	88.98	88.97	4,374.88	493.71	1,962.66	1,965.13	0.27	0.13	0.23
6,472.00	89.17	89.24	4,376.34	495.12	2,052.63	2,055.11	0.37	0.21	0.30
6,561.00	89.37	89.86	4,377.47	495.81	2,141.62	2,144.11	0.73	0.22	0.70
6,651.00	89.99	90.20	4,377.97	495.77	2,231.62	2,234.10	0.79	0.69	0.38
6,741.00	89.12	90.71	4,378.67	495.05	2,321.61	2,324.09	1.12	-0.97	0.57
6,832.00	88.62	90.21	4,380.47	494.32	2,412.59	2,415.06	0.78	-0.55	-0.55
6,921.00	89.06	91.42	4,382.27	493.06	2,501.56	2,504.03	1.45	0.49	1.36
7,012.00	87.94	90.59	4,384.65	491.46	2,592.52	2,594.97	1.53	-1.23	-0.91
7,101.00	87.91	90.59	4,387.87	490.54	2,681.45	2,683.90	0.03	-0.03	0.00
7,191.00	89.09	91.27	4,390.23	489.08	2,771.41	2,773.85	1.51	1.31	0.76
7,279.00	86.19	90.70	4,393.85	487.57	2,859.31	2,861.74	3.36	-3.30	-0.65
7,368.00	86.62	89.35	4,399.43	487.53	2,948.13	2,950.56	1.59	0.48	-1.52
7,455.00	86.93	90.70	4,404.33	487.50	3,034.99	3,037.42	1.59	0.36	1.55
7,544.00	87.43	91.58	4,408.71	485.73	3,123.87	3,126.29	1.14	0.56	0.99
7,631.00	87.35	91.19	4,412.67	483.63	3,210.75	3,213.16	0.46	-0.09	-0.45
7,719.00	87.63	90.63	4,416.52	482.23	3,298.66	3,301.05	0.71	0.32	-0.64
7,805.00	88.30	89.08	4,419.58	482.45	3,384.60	3,387.00	1.96	0.78	-1.80
7,893.00	88.72	89.84	4,421.86	483.28	3,472.56	3,474.97	0.99	0.48	0.86
7,980.00	88.58	87.96	4,423.91	484.95	3,559.52	3,561.93	2.17	-0.16	-2.16
8,067.00	89.09	88.41	4,425.68	487.70	3,646.46	3,648.88	0.78	0.59	0.52
8,153.00	89.15	87.60	4,427.00	490.70	3,732.39	3,734.83	0.94	0.07	-0.94
8,244.00	89.93	87.13	4,427.74	494.88	3,823.29	3,825.75	1.00	0.86	-0.52



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Well:	#002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,331.00	89.14	86.90	4,428.44	499.41	3,910.17	3,912.65	0.95	-0.91	-0.26
8,416.00	88.78	86.37	4,429.98	504.40	3,995.01	3,997.51	0.75	-0.42	-0.62
8,502.00	87.74	87.22	4,432.60	509.20	4,080.84	4,083.36	1.56	-1.21	0.99
8,589.00	87.18	88.70	4,436.45	512.30	4,167.69	4,170.23	1.82	-0.64	1.70
8,677.00	86.91	89.73	4,440.99	513.50	4,255.57	4,258.11	1.21	-0.31	1.17
8,762.00	87.03	90.73	4,445.48	513.16	4,340.45	4,342.99	1.18	0.14	1.18
8,848.00	87.15	91.99	4,449.85	511.12	4,426.31	4,428.84	1.47	0.14	1.47
8,935.00	88.22	91.64	4,453.36	508.37	4,513.19	4,515.71	1.29	1.23	-0.40
9,021.00	89.26	91.34	4,455.25	506.13	4,599.14	4,601.64	1.26	1.21	-0.35
9,108.00	89.17	90.75	4,456.44	504.55	4,686.12	4,688.61	0.69	-0.10	-0.68
9,193.00	89.37	90.53	4,457.53	503.60	4,771.11	4,773.59	0.35	0.24	-0.26
9,279.00	89.57	89.81	4,458.32	503.34	4,857.10	4,859.59	0.87	0.23	-0.84
9,367.00	89.65	89.40	4,458.92	503.95	4,945.10	4,947.58	0.47	0.09	-0.47
9,452.00	90.27	90.01	4,458.98	504.39	5,030.09	5,032.58	1.02	0.73	0.72
9,540.00	90.77	90.89	4,458.18	503.70	5,118.09	5,120.57	1.15	0.57	1.00
9,626.00	91.41	91.58	4,456.55	501.84	5,204.05	5,206.52	1.09	0.74	0.80
9,711.00	92.12	91.95	4,453.93	499.23	5,288.97	5,291.43	0.94	0.84	0.44
9,726.00	92.17	91.95	4,453.37	498.72	5,303.95	5,306.41	0.33	0.33	0.00
FINAL LTP/ 100' FEL @ 9728.20' MD - PLAT Hendrix13CD #2H: LTP (100' FEL)									
9,800.00	92.17	91.95	4,450.56	496.20	5,377.85	5,380.30	0.00	0.00	0.00
TD: Y= 667047.03 / X= 606406.99 - Projection to Bit: 9800.00' MD/ 4450.56' TVD - Final Station Closure Distance= 5400.7'									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FINAL FTP/ 100' FWL - survey hits target center - Point	0.00	0.00	4,307.72	446.07	265.13	666,996.91	601,294.27	32.833449	-104.138131
FINAL Bit Proj/ 28' FE - survey hits target center - Point	0.00	0.00	4,450.56	496.20	5,377.85	667,047.03	606,407.00	32.833559	-104.121485
FINAL LTP/ 100' FEL - survey misses target center by 2.20usft at 9726.00usft MD (4453.37 TVD, 498.72 N, 5303.95 E) - Point	0.00	0.00	4,453.28	498.64	5,306.15	667,049.48	606,335.29	32.833566	-104.121719

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft) +E/-W (usft)	Comment
9,800.00	4,450.56	496.20 5,377.85	TD: Y= 667047.03 / X= 606406.99
9,800.00	4,450.56	496.20 5,377.85	Projection to Bit: 9800.00' MD/ 4450.56' TVD
9,800.00	4,450.56	496.20 5,377.85	Final Station Closure Distance= 5400.70 /Direction= 84.73
9,800.00	4,450.56	496.20 5,377.85	TD: Latitude= 32.833559 / Longitude= -104.121485



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.60usft (Akita 524)
Well:	#002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Checked By: _____ Approved By: _____ Date: _____



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **03/08/21** thru **03/19/21** conduct or supervise the taking of a **MWD Survey** from a depth of **224'** to a depth of **9800'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Longfellow Energy** for the **Hendrix State Com 13CD 2H** API No. **30-015-47480** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

*1125 Beach Airport Rd, Conroe, Texas
77301*

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
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District III

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District IV

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 33895

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 33895
	Action Type: [C-104] Completion Packet (C-104C)

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.

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CONDITIONS

Action 33895

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 33895
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/2/2021