

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

Form C-104
 Revised August 1, 2011

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

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	
⁴ API Number 30 - 015-47481		⁵ Pool Name Empire; Glorieta - Yeso	
⁷ Property Code 329704		⁸ Property Name Hendrix State Com 13 CD	
⁶ Pool Code 96210		⁹ Well Number 001H	

II. 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	17S	28E		1387	South	175	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	13	17S	28E	I	2319	South	27	East	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
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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 3/21/2021	²² Ready Date 6/17/2021	²³ TD 4058'V/9474'M	²⁴ PBDT 4058'V/9433'M	²⁵ Perforations 4371'-9351'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1260'	1112		
8-3/4"	7"	3207'	2010		
8-3/4"	5-1/2"	9474'	2010		
	2-7/8"	3017'			

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: 

Printed name:
David Cain
 Title:
Regulatory Manager
 E-mail Address:
David.cain@longfellowenergy.com
 Date:
6/30/2021

Phone:
(972) 590-9900

OIL CONSERVATION DIVISION

Approved by: **PATRICIA MARTINEZ**

Title: **PETROLEUM SPECIALIST**

Approval Date: **7/2/2021**

RT EXPIRES 9/17/2021

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 30-015-47481		² Pool Code 96210	³ Pool Name EMPIRE; GLORIETA-YESO
⁴ Property Code 329704	⁵ Property Name HENDRIX STATE COM 13CD		⁶ Well Number 001H
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP		⁹ Elevation 3635.1

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		1387	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		2319	SOUTH	27	EAST	EDDY

¹² Dedicated Acres 320	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.

SECTION CORNER
 LAT. = 32.8431424°N
 LONG. = 104.1387095°W
 NMSP EAST (FT)
 N = 670523.36
 E = 601110.01

N/4 CORNER SEC. 14
 LAT. = 32.8424750°N
 LONG. = 104.1471772°W
 NMSP EAST (FT)
 N = 670275.86
 E = 598509.85

N/4 CORNER SEC. 13
 LAT. = 32.8431478°N
 LONG. = 104.1300380°W
 NMSP EAST (FT)
 N = 670530.36
 E = 603773.17

NE CORNER SEC. 13
 LAT. = 32.8431631°N
 LONG. = 104.1213595°W
 NMSP EAST (FT)
 N = 670541.17
 E = 606438.49

AS-DRILLED

SW CORNER SEC. 14
 LAT. = 32.8272038°N
 LONG. = 104.1551762°W
 NMSP EAST (FT)
 N = 664715.71
 E = 596062.56

S/4 CORNER SEC. 14
 LAT. = 32.8278597°N
 LONG. = 104.1467532°W
 NMSP EAST (FT)
 N = 664958.81
 E = 598649.47

SECTION CORNER
 LAT. = 32.8285163°N
 LONG. = 104.1382386°W
 NMSP EAST (FT)
 N = 665202.37
 E = 601236.81

S/4 CORNER SEC. 13
 LAT. = 32.8285531°N
 LONG. = 104.1298694°W
 NMSP EAST (FT)
 N = 665220.65
 E = 603835.19

SE CORNER SEC. 13
 LAT. = 32.8285895°N
 LONG. = 104.1214098°W
 NMSP EAST (FT)
 N = 665238.99
 E = 606433.68

Intent ☐ As Drilled ☒

API # 30-015-47481		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: HENDRIX STATE COM 13CD	Well Number 001H

Kick Off Point (KOP)

UL I	Section 14	Township 17S	Range 28E	Lot	Feet 1387	From N/S SOUTH	Feet 179	From E/W WEST	County EDDY
Latitude 32.8322936					Longitude 104.1390010			NAD 83	

First Take Point (FTP)

UL L	Section 13	Township 17S	Range 28E	Lot	Feet 2269	From N/S SOUTH	Feet 104	From E/W WEST	County EDDY
Latitude 32.8347528					Longitude 104.1381536			NAD 83	

Last Take Point (LTP)

UL I	Section 13	Township 17S	Range 28E	Lot	Feet 2316	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.8349530					Longitude 104.1217135			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Longfellow Energy

Eddy Co., NM (Nad-83)
Hendrix State Com 13CD
#001H

Wellbore #1

Survey: Survey #1

Standard Survey Report

31 March, 2021





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #001H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Well:	#001H	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	#001H					
Well Position	+N/-S	0.00 usft	Northing:	666,575.85 usft	Latitude:	32.832293
	+E/-W	0.00 usft	Easting:	601,028.51 usft	Longitude:	-104.138999
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,635.10 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/29/2021	6.901	60.380	47,831.66310940

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	89.02	

Survey Program	Date	3/31/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
224.00	9,490.00	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
Hendrix13CD #1H: SHL (1387' FSL & 175' FEL)									
0.70	0.00	295.43	0.70	0.00	0.00	0.00	0.00	0.00	0.00
Hendrix13CD #1H: FTP/ LP (Plat)									
224.00	0.44	295.43	224.00	0.37	-0.78	-0.77	0.20	0.20	0.00
313.00	1.63	261.77	312.98	0.33	-2.34	-2.33	1.45	1.34	-37.82
404.00	2.99	307.64	403.91	1.60	-5.50	-5.47	2.41	1.49	50.41
493.00	5.10	319.16	492.69	6.01	-9.92	-9.82	2.53	2.37	12.94
583.00	8.70	332.61	582.03	15.08	-15.67	-15.41	4.36	4.00	14.94
673.00	10.33	333.75	670.79	28.37	-22.37	-21.89	1.82	1.81	1.27



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #001H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Well:	#001H	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)
763.00	12.53	334.28	759.00	44.40	-30.18	-29.42	2.45	2.44	0.59
852.00	16.40	336.56	845.16	64.63	-39.37	-38.26	4.39	4.35	2.56
943.00	18.68	338.93	931.92	90.02	-49.72	-48.18	2.63	2.51	2.60
1,032.00	17.05	339.37	1,016.63	115.53	-59.45	-57.46	1.84	-1.83	0.49
1,122.00	16.00	339.64	1,102.91	139.51	-68.41	-66.01	1.17	-1.17	0.30
1,198.00	16.40	339.81	1,175.89	159.40	-75.76	-73.02	0.53	0.53	0.22
1,289.00	15.91	339.48	1,263.30	183.14	-84.56	-81.42	0.55	-0.54	-0.36
1,375.00	16.48	339.54	1,345.89	205.61	-92.96	-89.43	0.66	0.66	0.07
1,461.00	16.81	339.05	1,428.28	228.65	-101.67	-97.74	0.42	0.38	-0.57
1,549.00	17.37	338.82	1,512.40	252.78	-110.96	-106.63	0.64	0.64	-0.26
1,635.00	17.63	337.55	1,594.42	276.79	-120.58	-115.82	0.54	0.30	-1.48
1,721.00	18.49	337.31	1,676.18	301.41	-130.81	-125.64	1.00	1.00	-0.28
1,809.00	17.14	335.63	1,759.96	326.10	-141.54	-135.95	1.64	-1.53	-1.91
1,898.00	16.76	334.75	1,845.09	349.65	-152.43	-146.43	0.52	-0.43	-0.99
1,985.00	16.76	334.54	1,928.40	372.32	-163.17	-156.78	0.07	0.00	-0.24
2,074.00	17.36	336.23	2,013.48	396.06	-174.04	-167.24	0.87	0.67	1.90
2,162.00	17.85	337.28	2,097.36	420.51	-184.54	-177.32	0.66	0.56	1.19
2,249.00	16.64	335.67	2,180.45	444.16	-194.82	-187.20	1.49	-1.39	-1.85
2,335.00	16.59	334.65	2,262.85	466.48	-205.15	-197.15	0.34	-0.06	-1.19
2,422.00	17.23	335.24	2,346.09	489.40	-215.87	-207.47	0.76	0.74	0.68
2,509.00	17.95	335.99	2,429.02	513.35	-226.72	-217.91	0.87	0.83	0.86
2,596.00	18.83	337.11	2,511.58	538.53	-237.64	-228.39	1.09	1.01	1.29
2,685.00	19.63	338.17	2,595.61	565.64	-248.78	-239.07	0.98	0.90	1.19
2,772.00	19.24	334.82	2,677.66	592.18	-260.31	-250.15	1.36	-0.45	-3.85
2,859.00	19.74	333.90	2,759.67	618.35	-272.88	-262.26	0.67	0.57	-1.06
2,948.00	18.28	334.94	2,843.82	644.49	-285.40	-274.34	1.68	-1.64	1.17
3,035.00	18.08	335.76	2,926.48	669.16	-296.72	-285.24	0.37	-0.23	0.94
3,122.00	18.57	336.51	3,009.06	694.17	-307.79	-295.87	0.63	0.56	0.86
3,208.00	19.39	337.61	3,090.39	719.93	-318.68	-306.32	1.04	0.95	1.28
3,294.00	19.97	337.95	3,171.36	746.74	-329.64	-316.82	0.69	0.67	0.40
3,379.00	19.33	345.58	3,251.43	773.83	-338.59	-325.31	3.11	-0.75	8.98
3,465.00	21.06	10.94	3,332.29	802.84	-339.20	-325.42	10.30	2.01	29.49
3,551.00	25.65	32.13	3,411.36	833.85	-326.34	-312.03	11.05	5.34	24.64
3,638.00	27.31	54.13	3,489.42	861.55	-300.09	-285.31	11.38	1.91	25.29
3,724.00	31.20	74.69	3,564.63	879.05	-262.51	-247.43	12.46	4.52	23.91
3,813.00	41.80	84.37	3,636.13	888.08	-210.56	-195.34	13.52	11.91	10.88
3,901.00	48.17	86.39	3,698.34	893.02	-148.59	-133.30	7.42	7.24	2.30
3,988.00	57.40	89.70	3,750.91	895.26	-79.43	-64.11	11.03	10.61	3.80
4,077.00	60.48	90.08	3,796.83	895.40	-3.20	12.11	3.48	3.46	0.43
4,164.00	61.19	90.02	3,839.22	895.34	72.77	88.07	0.82	0.82	-0.07
4,251.00	68.33	89.45	3,876.30	895.71	151.41	166.70	8.23	8.21	-0.66
4,336.00	74.00	90.49	3,903.73	895.74	231.82	247.11	6.77	6.67	1.22
4,359.20	76.62	90.36	3,909.61	895.58	254.26	269.54	11.33	11.31	-0.55



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #001H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Well:	#001H	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 1H FTP/ 100' FWL: 4359.20' MD									
4,362.89	77.04	90.34	3,910.45	895.55	257.85	273.13	11.33	11.31	-0.54
Hendrix13CD #1H: FTP/ LP (Rev./100' FWL)									
4,422.00	83.73	90.03	3,920.32	895.37	316.10	331.37	11.33	11.31	-0.53
4,509.00	86.29	89.83	3,927.88	895.47	402.76	418.02	2.95	2.94	-0.23
4,595.00	87.86	89.67	3,932.27	895.85	488.65	503.90	1.84	1.83	-0.19
4,684.00	89.23	89.76	3,934.53	896.29	577.62	592.86	1.54	1.54	0.10
4,771.00	87.74	89.79	3,936.83	896.63	664.58	679.82	1.71	-1.71	0.03
4,858.00	87.44	89.05	3,940.49	897.51	751.50	766.74	0.92	-0.34	-0.85
4,943.00	89.12	89.54	3,943.04	898.56	836.45	851.70	2.06	1.98	0.58
5,029.00	88.00	89.60	3,945.20	899.20	922.42	937.67	1.30	-1.30	0.07
5,114.00	87.88	89.18	3,948.26	900.11	1,007.36	1,022.61	0.51	-0.14	-0.49
5,200.00	89.54	89.21	3,950.19	901.31	1,093.33	1,108.58	1.93	1.93	0.03
5,285.00	88.50	88.62	3,951.65	902.92	1,178.30	1,193.57	1.41	-1.22	-0.69
5,370.00	87.10	87.69	3,954.91	905.66	1,263.19	1,278.49	1.98	-1.65	-1.09
5,456.00	88.33	87.93	3,958.34	908.94	1,349.06	1,364.40	1.46	1.43	0.28
5,543.00	89.73	87.73	3,959.81	912.23	1,435.98	1,451.37	1.63	1.61	-0.23
5,630.00	88.56	88.62	3,961.11	915.00	1,522.92	1,538.35	1.69	-1.34	1.02
5,715.00	87.86	88.96	3,963.77	916.80	1,607.86	1,623.31	0.92	-0.82	0.40
5,803.00	89.45	89.12	3,965.83	918.27	1,695.82	1,711.28	1.82	1.81	0.18
5,893.00	88.89	88.91	3,967.14	919.82	1,785.80	1,801.27	0.66	-0.62	-0.23
5,980.00	88.39	89.46	3,969.20	921.06	1,872.76	1,888.24	0.85	-0.57	0.63
6,069.00	90.35	89.41	3,970.18	921.93	1,961.75	1,977.23	2.20	2.20	-0.06
6,156.00	89.48	89.41	3,970.31	922.83	2,048.75	2,064.23	1.00	-1.00	0.00
6,245.00	87.24	88.24	3,972.85	924.65	2,137.68	2,153.19	2.84	-2.52	-1.31
6,336.00	87.94	87.99	3,976.68	927.64	2,228.55	2,244.09	0.82	0.77	-0.27
6,426.00	87.97	89.47	3,979.89	929.64	2,318.47	2,334.03	1.64	0.03	1.64
6,516.00	89.48	90.93	3,981.90	929.32	2,408.44	2,423.99	2.33	1.68	1.62
6,605.00	89.37	90.86	3,982.79	927.93	2,497.43	2,512.93	0.15	-0.12	-0.08
6,695.00	87.27	91.26	3,985.43	926.27	2,587.37	2,602.83	2.38	-2.33	0.44
6,785.00	85.47	90.02	3,991.13	925.27	2,677.18	2,692.61	2.43	-2.00	-1.38
6,876.00	86.43	89.05	3,997.55	926.00	2,767.94	2,783.38	1.50	1.05	-1.07
6,965.00	88.45	88.55	4,001.53	927.86	2,856.83	2,872.28	2.34	2.27	-0.56
7,056.00	88.11	88.50	4,004.26	930.21	2,947.76	2,963.24	0.38	-0.37	-0.05
7,145.00	88.28	88.69	4,007.06	932.39	3,036.69	3,052.19	0.29	0.19	0.21
7,235.00	90.32	88.48	4,008.16	934.61	3,126.65	3,142.18	2.28	2.27	-0.23
7,323.00	89.45	88.64	4,008.34	936.82	3,214.62	3,230.17	1.01	-0.99	0.18
7,411.00	88.86	88.60	4,009.64	938.94	3,302.59	3,318.16	0.67	-0.67	-0.05
7,499.00	88.47	88.85	4,011.69	940.90	3,390.54	3,406.14	0.53	-0.44	0.28
7,587.00	87.91	88.76	4,014.47	942.73	3,478.48	3,494.09	0.64	-0.64	-0.10
7,674.00	90.01	88.39	4,016.05	944.89	3,565.43	3,581.07	2.45	2.41	-0.43
7,763.00	89.31	88.16	4,016.57	947.57	3,654.39	3,670.06	0.83	-0.79	-0.26
7,850.00	88.05	89.05	4,018.58	949.69	3,741.34	3,757.03	1.77	-1.45	1.02
7,939.00	87.21	88.76	4,022.26	951.39	3,830.24	3,845.95	1.00	-0.94	-0.33



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #001H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Well:	#001H	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)
8,024.00	87.60	88.50	4,026.11	953.42	3,915.13	3,930.86	0.55	0.46	-0.31
8,113.00	89.82	88.37	4,028.11	955.85	4,004.07	4,019.83	2.50	2.49	-0.15
8,200.00	89.73	89.06	4,028.45	957.80	4,091.05	4,106.83	0.80	-0.10	0.79
8,287.00	89.76	89.80	4,028.84	958.67	4,178.04	4,193.83	0.85	0.03	0.85
8,372.00	88.73	89.60	4,029.96	959.11	4,263.03	4,278.81	1.23	-1.21	-0.24
8,458.00	86.60	88.65	4,033.46	960.42	4,348.94	4,364.73	2.71	-2.48	-1.10
8,545.00	86.37	88.23	4,038.80	962.79	4,435.75	4,451.57	0.55	-0.26	-0.48
8,633.00	87.07	89.36	4,043.83	964.64	4,523.58	4,539.42	1.51	0.80	1.28
8,719.00	87.57	90.07	4,047.85	965.06	4,609.49	4,625.32	1.01	0.58	0.83
8,804.00	89.85	90.20	4,049.77	964.86	4,694.46	4,710.27	2.69	2.68	0.15
8,892.00	89.68	89.44	4,050.13	965.14	4,782.46	4,798.26	0.88	-0.19	-0.86
8,977.00	87.13	89.25	4,052.49	966.11	4,867.41	4,883.22	3.01	-3.00	-0.22
9,064.00	87.27	89.19	4,056.74	967.29	4,954.30	4,970.12	0.18	0.16	-0.07
9,149.00	89.20	89.17	4,059.36	968.51	5,039.25	5,055.07	2.27	2.27	-0.02
9,235.00	89.03	88.33	4,060.69	970.38	5,125.21	5,141.06	1.00	-0.20	-0.98
9,330.00	90.13	87.37	4,061.39	973.95	5,220.14	5,236.04	1.54	1.16	-1.01
9,417.00	91.56	87.17	4,060.10	978.09	5,307.03	5,322.98	1.66	1.64	-0.23
FINAL 1H LTP/ 100' FEL: 9417.23' MD - Hendrix13CD #1H: LTP (100' FEL)									
9,490.00	91.56	87.17	4,058.11	981.69	5,379.92	5,395.92	0.00	0.00	0.00
TD: Y= 667557.54 / X= 606408.43 - Final Station Closure Distance= 5468.75 /Direction= 79.66 - Projection to Bit: 9490.00									

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 1H FTP/ 100' F - survey hits target center - Point	0.00	0.00	3,909.61	895.58	254.26	667,471.43	601,282.77	32.834753	-104.138166
FINAL 1H Bit Proj: 94' - survey hits target center - Point	0.00	0.00	4,058.11	981.69	5,379.92	667,557.55	606,408.43	32.834963	-104.121477
FINAL 1H LTP/ 100' F - survey misses target center by 0.23usft at 9417.00usft MD (4060.10 TVD, 978.09 N, 5307.03 E) - Point	0.00	0.00	4,060.10	978.10	5,307.26	667,553.96	606,335.77	32.834953	-104.121714

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
9,490.00	4,058.11	981.69	5,379.92	TD: Y= 667557.54 / X= 606408.43
9,490.00	4,058.11	981.69	5,379.92	Final Station Closure Distance= 5468.75 /Direction= 79.66
9,490.00	4,058.11	981.69	5,379.92	Projection to Bit: 9490.00' MD/ 4058.11' TVD
9,490.00	4,058.11	981.69	5,379.92	TD: Latitude= 32.834962 / Longitude= -104.121477



Survey Report



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Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3651.10usft (Akita 524)
Well:	#001H	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 **03/21/21** thru **03/31/21** conduct or supervise the taking of a **MWD Survey** from a depth of **224'** to a depth of **9490'**; 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 1H** API No. **30-015-47481** 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
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
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District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
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 33875

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 33875
	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 33875

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 33875
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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