

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

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	
		³ Reason for Filing Code/ Effective Date RT 6/2021	
⁴ API Number 30 - 015-47477	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 005H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
IP	14	17S	28E		1287	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
P	13	17S	28E	I	393	South	54	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				

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 1/31/2021	²² Ready Date 6/11/2021	²³ TD 4010'V/9446'M	²⁴ PBD 4010'V/9404'M	²⁵ Perforations 4405'-9325'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1265'	735		
8-3/4"	7"	3256'	2080		
8-3/4"	5-1/2"	9446'	2080		
	2-7/8"	2985'			

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 9/11/2021

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: (505) 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 30-015-47477		² Pool Code 96210	³ Pool Name EMPIRE; GLORIETA-YESO	
⁴ Property Code 329704	⁵ Property Name HENDRIX STATE COM 13CD			⁶ Well Number 005H
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP			⁹ Elevation 3636.9

¹⁰ Surface Location

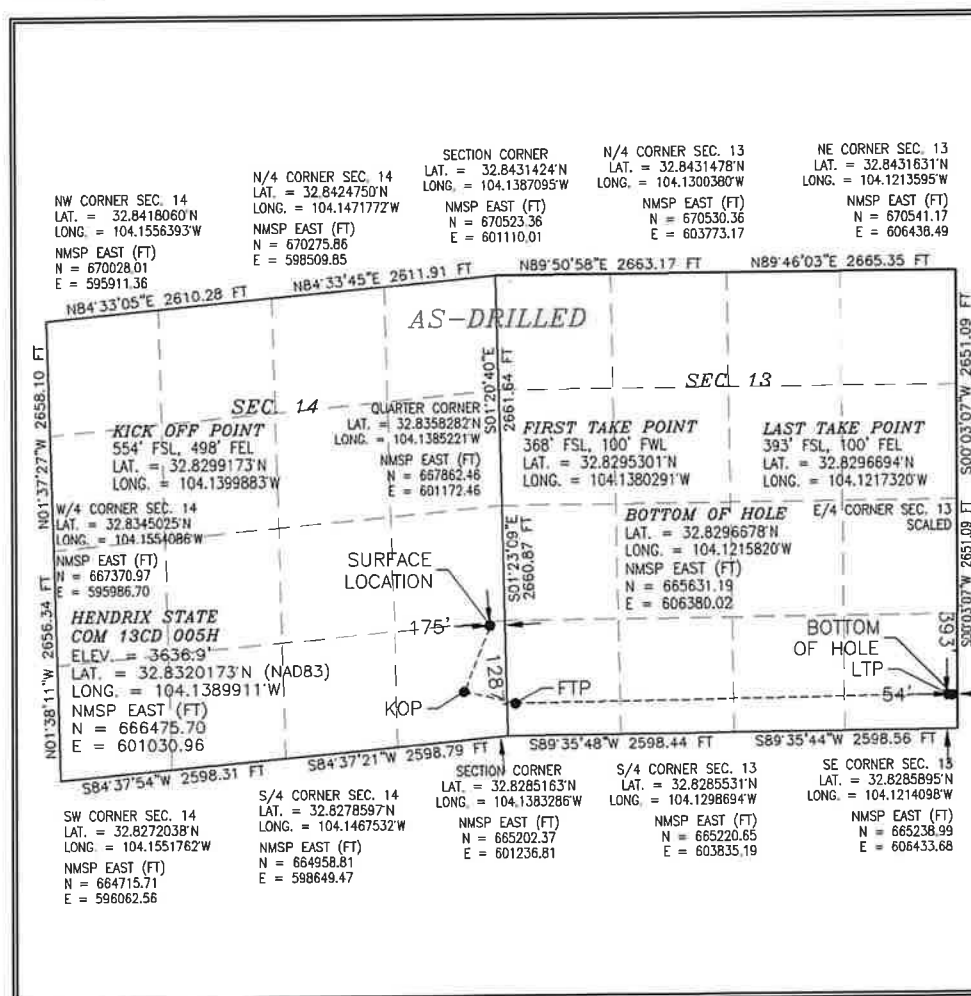
UL or lot no. P	Section 14	Township 17 S	Range 28 E	Lot Idn	Feet from the 1287	North/South line SOUTH	Feet from the 175	East/West line EAST	County EDDY
---------------------------	----------------------	-------------------------	----------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

11 Bottom Hole Location If Different From Surface

UL or lot no. P	Section 13	Township 17 S	Range 28 E	Lot Idn	Feet from the 393	North/South line SOUTH	Feet from the 54	East/West line EAST	County EDDY
---------------------------	----------------------	-------------------------	----------------------	---------	-----------------------------	----------------------------------	----------------------------	-------------------------------	-----------------------

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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 6/30/2021

David Cain

Printed Name _____

david.cain@longfellowenergy.com

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.

JUNE 30, 2021

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: EX-109 E IARANILLO LS 12797



Intent ☐ As Drilled ☒

API # 30-015-47477		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: HENDRIX STATE COM 13CD	Well Number 005H

Kick Off Point (KOP)

UL P	Section 14	Township 17S	Range 28E	Lot	Feet 554	From N/S SOUTH	Feet 498	From E/W EAST	County EDDY
Latitude 32.8299173					Longitude 104.1399883			NAD 83	

First Take Point (FTP)

UL M	Section 13	Township 17S	Range 28E	Lot	Feet 368	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8295301					Longitude 104.1380291			NAD 83	

Last Take Point (LTP)

UL P	Section 13	Township 17S	Range 28E	Lot	Feet 393	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.8296694					Longitude 104.1217320			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
#005H

Wellbore #1

Survey: Survey #1

Standard Survey Report

09 February, 2021





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #005H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3652.90usft
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3652.90usft
Well:	#005H	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	#005H					
Well Position	+N/-S	0.00 usft	Northing:	666,475.70 usft	Latitude:	32.832017
	+E/-W	0.00 usft	Easting:	601,030.96 usft	Longitude:	-104.138991
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,636.90 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/29/2021	6.901	60.380	47,831.48855684

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	2/9/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
227.00	9,460.00	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 #5H: SHL (1287' FSL & 175' FEL)									
227.00	1.05	312.39	226.99	1.40	-1.54	-1.53	0.46	0.46	0.00
317.00	1.23	274.25	316.97	2.03	-3.11	-3.10	0.85	0.20	-42.38
407.00	2.51	223.18	406.93	0.66	-5.42	-5.42	2.20	1.42	-56.74
496.00	4.88	214.57	495.74	-3.87	-8.90	-8.92	2.73	2.66	-9.67
586.00	7.08	208.24	585.24	-11.91	-13.70	-13.76	2.55	2.44	-7.03
676.00	9.23	199.98	674.33	-23.59	-18.79	-18.91	2.71	2.39	-9.18
766.00	10.37	195.94	763.02	-38.16	-23.48	-23.68	1.48	1.27	-4.49
856.00	9.41	195.14	851.68	-53.05	-27.63	-27.90	1.08	-1.07	-0.89
946.00	9.67	197.87	940.43	-67.35	-31.87	-32.21	0.58	0.29	3.03



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #005H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3652.90usft
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3652.90usft
Well:	#005H	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)
1,035.00	12.57	198.75	1,027.75	-83.63	-37.28	-37.70	3.26	3.26	0.99
1,125.00	15.78	200.07	1,115.00	-104.41	-44.63	-45.16	3.58	3.57	1.47
1,199.00	16.22	199.71	1,186.13	-123.59	-51.57	-52.19	0.61	0.59	-0.49
1,291.00	16.13	198.78	1,274.49	-147.78	-60.01	-60.76	0.30	-0.10	-1.01
1,377.00	16.95	198.28	1,356.93	-171.00	-67.79	-68.66	0.97	0.95	-0.58
1,463.00	17.67	196.97	1,439.04	-195.39	-75.53	-76.52	0.95	0.84	-1.52
1,552.00	17.81	195.07	1,523.81	-221.45	-83.01	-84.13	0.67	0.16	-2.13
1,638.00	17.31	192.61	1,605.80	-246.63	-89.23	-90.47	1.04	-0.58	-2.86
1,724.00	17.22	194.52	1,687.93	-271.44	-95.21	-96.58	0.67	-0.10	2.22
1,811.00	17.65	197.92	1,770.93	-296.46	-102.50	-104.00	1.27	0.49	3.91
1,901.00	18.24	204.71	1,856.56	-322.24	-112.59	-114.22	2.41	0.66	7.54
1,988.00	18.82	206.93	1,939.05	-347.12	-124.63	-126.39	1.05	0.67	2.55
2,077.00	19.54	208.11	2,023.11	-373.05	-138.15	-140.03	0.92	0.81	1.33
2,164.00	20.54	208.66	2,104.84	-399.27	-152.32	-154.34	1.17	1.15	0.63
2,252.00	21.12	208.76	2,187.09	-426.72	-167.36	-169.51	0.66	0.66	0.11
2,337.00	19.73	206.05	2,266.75	-453.04	-181.03	-183.32	1.98	-1.64	-3.19
2,424.00	19.18	203.55	2,348.78	-479.33	-193.19	-195.61	1.15	-0.63	-2.87
2,511.00	19.50	200.94	2,430.87	-505.99	-204.09	-206.64	1.06	0.37	-3.00
2,598.00	19.34	201.82	2,512.92	-532.93	-214.63	-217.32	0.38	-0.18	1.01
2,687.00	18.91	202.37	2,597.01	-559.95	-225.60	-228.43	0.52	-0.48	0.62
2,774.00	19.83	203.04	2,679.09	-586.56	-236.74	-239.70	1.09	1.06	0.77
2,862.00	19.49	202.46	2,761.96	-613.87	-248.19	-251.29	0.45	-0.39	-0.66
2,950.00	17.78	201.35	2,845.34	-639.95	-258.69	-261.92	1.98	-1.94	-1.26
3,038.00	16.59	200.06	2,929.41	-664.26	-267.89	-271.25	1.42	-1.35	-1.47
3,124.00	16.72	199.98	3,011.80	-687.42	-276.33	-279.80	0.15	0.15	-0.09
3,211.00	17.99	202.18	3,094.84	-711.63	-285.68	-289.27	1.64	1.46	2.53
3,296.00	19.35	203.76	3,175.37	-736.67	-296.31	-300.03	1.71	1.60	1.86
3,382.00	20.59	190.84	3,256.23	-764.58	-304.89	-308.76	5.32	1.44	-15.02
3,467.00	25.23	176.91	3,334.56	-797.39	-306.73	-310.76	8.36	5.46	-16.39
3,553.00	25.82	160.65	3,412.27	-833.41	-299.53	-303.74	8.15	0.69	-18.91
3,596.00	26.36	145.34	3,450.93	-850.11	-290.99	-295.29	15.67	1.26	-35.60
3,640.00	27.16	131.10	3,490.26	-864.77	-277.85	-282.22	14.65	1.82	-32.36
3,726.00	30.58	113.45	3,565.70	-886.42	-242.92	-247.40	10.63	3.98	-20.52
3,815.00	36.05	100.62	3,640.13	-900.28	-196.31	-200.87	10.00	6.15	-14.42
3,903.00	42.77	95.49	3,708.10	-907.93	-141.04	-145.64	8.48	7.64	-5.83
3,990.00	51.67	93.17	3,767.14	-912.65	-77.44	-82.05	10.41	10.23	-2.67
4,078.00	60.01	89.24	3,816.52	-914.05	-4.72	-9.35	10.17	9.48	-4.47
4,165.00	60.76	88.05	3,859.51	-912.26	70.89	66.27	1.47	0.86	-1.37
4,252.00	67.67	88.51	3,897.34	-909.92	149.15	144.54	7.96	7.94	0.53
4,338.00	77.52	87.69	3,923.03	-907.19	231.06	226.47	11.49	11.45	-0.95
4,405.34	80.41	87.45	3,935.92	-904.38	297.09	292.51	4.31	4.29	-0.36
#5H FINAL FTP/ 100' FWL @ 4405.34' MD									
4,406.83	80.47	87.44	3,936.17	-904.32	298.56	293.98	4.31	4.29	-0.36



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #005H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3652.90usft
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3652.90usft
Well:	#005H	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)
Hendrix13CD #5H: FTP/ LP (100' FWL)									
4,424.00	81.21	87.38	3,938.90	-903.55	315.49	310.91	4.31	4.29	-0.36
4,511.00	89.26	89.03	3,946.12	-900.85	402.07	397.51	9.44	9.25	1.90
4,596.00	90.18	88.73	3,946.53	-899.19	487.06	482.50	1.14	1.08	-0.35
4,685.00	90.07	87.74	3,946.34	-896.44	576.01	571.47	1.12	-0.12	-1.11
4,773.00	89.96	86.98	3,946.32	-892.39	663.92	659.39	0.87	-0.12	-0.86
4,860.00	90.15	86.16	3,946.23	-887.19	750.76	746.26	0.97	0.22	-0.94
4,945.00	90.13	87.75	3,946.03	-882.67	835.64	831.16	1.87	-0.02	1.87
5,030.00	88.44	89.30	3,947.09	-880.48	920.60	916.13	2.70	-1.99	1.82
5,116.00	88.27	88.68	3,949.56	-878.97	1,006.55	1,002.09	0.75	-0.20	-0.72
5,201.00	88.22	87.88	3,952.16	-876.42	1,091.47	1,087.02	0.94	-0.06	-0.94
5,286.00	88.33	88.94	3,954.72	-874.06	1,176.40	1,171.96	1.25	0.13	1.25
5,372.00	88.19	88.55	3,957.33	-872.18	1,262.34	1,257.91	0.48	-0.16	-0.45
5,457.00	88.61	89.82	3,959.70	-870.97	1,347.29	1,342.87	1.57	0.49	1.49
5,544.00	89.20	89.65	3,961.37	-870.57	1,434.28	1,429.85	0.71	0.68	-0.20
5,632.00	89.40	89.40	3,962.44	-869.84	1,522.27	1,517.84	0.36	0.23	-0.28
5,717.00	89.45	89.11	3,963.29	-868.73	1,607.25	1,602.84	0.35	0.06	-0.34
5,804.00	89.20	88.85	3,964.32	-867.18	1,694.23	1,689.82	0.41	-0.29	-0.30
5,895.00	88.95	88.31	3,965.79	-864.93	1,785.19	1,780.79	0.65	-0.27	-0.59
5,982.00	89.54	90.88	3,966.93	-864.31	1,872.18	1,867.78	3.03	0.68	2.95
6,070.00	89.57	91.71	3,967.62	-866.30	1,960.15	1,955.74	0.94	0.03	0.94
6,158.00	89.48	91.76	3,968.35	-868.97	2,048.11	2,043.68	0.12	-0.10	0.06
6,246.00	89.48	89.00	3,969.15	-869.55	2,136.09	2,131.66	3.14	0.00	-3.14
6,334.00	89.57	88.45	3,969.88	-867.59	2,224.07	2,219.65	0.63	0.10	-0.62
6,422.00	89.59	87.91	3,970.52	-864.80	2,312.02	2,307.61	0.61	0.02	-0.61
6,555.00	88.42	90.22	3,972.83	-862.63	2,444.97	2,440.57	1.95	-0.88	1.74
6,645.00	87.97	89.96	3,975.67	-862.77	2,534.93	2,530.53	0.58	-0.50	-0.29
6,734.00	87.52	90.02	3,979.17	-862.75	2,623.86	2,619.46	0.51	-0.51	0.07
6,825.00	88.44	90.46	3,982.37	-863.13	2,714.80	2,710.40	1.12	1.01	0.48
6,914.00	89.43	90.27	3,984.03	-863.70	2,803.78	2,799.37	1.13	1.11	-0.21
7,004.00	89.29	90.60	3,985.03	-864.38	2,893.77	2,889.36	0.40	-0.16	0.37
7,092.00	89.51	90.90	3,985.96	-865.54	2,981.76	2,977.34	0.42	0.25	0.34
7,179.00	90.24	88.81	3,986.15	-865.32	3,068.75	3,064.34	2.54	0.84	-2.40
7,268.00	90.63	88.54	3,985.47	-863.26	3,157.73	3,153.32	0.53	0.44	-0.30
7,355.00	90.32	88.75	3,984.75	-861.20	3,244.70	3,240.30	0.43	-0.36	0.24
7,444.00	90.27	88.38	3,984.29	-858.97	3,333.67	3,329.28	0.42	-0.06	-0.42
7,531.00	90.38	88.74	3,983.80	-856.79	3,420.64	3,416.26	0.43	0.13	0.41
7,620.00	88.19	88.92	3,984.91	-854.97	3,509.61	3,505.24	2.47	-2.46	0.20
7,707.00	87.86	89.49	3,987.91	-853.76	3,596.55	3,592.18	0.76	-0.38	0.66
7,795.00	87.40	89.13	3,991.54	-852.70	3,684.47	3,680.11	0.66	-0.52	-0.41
7,883.00	88.11	90.20	3,994.99	-852.19	3,772.40	3,768.04	1.46	0.81	1.22
7,971.00	88.05	90.34	3,997.94	-852.60	3,860.35	3,855.98	0.17	-0.07	0.16
8,057.00	88.16	90.86	4,000.78	-853.50	3,946.30	3,941.92	0.62	0.13	0.60
8,145.00	88.36	89.97	4,003.46	-854.14	4,034.25	4,029.88	1.04	0.23	-1.01



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #005H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3652.90usft
Site:	Hendrix State Com 13CD	MD Reference:	RKB = 16' @ 3652.90usft
Well:	#005H	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)
8,232.00	89.12	89.82	4,005.37	-853.98	4,121.23	4,116.85	0.89	0.87	-0.17
8,319.00	89.54	90.05	4,006.39	-853.88	4,208.22	4,203.85	0.55	0.48	0.26
8,405.00	89.20	89.66	4,007.33	-853.67	4,294.22	4,289.84	0.60	-0.40	-0.45
8,490.00	88.50	89.11	4,009.04	-852.75	4,379.19	4,374.82	1.05	-0.82	-0.65
8,578.00	89.57	88.96	4,010.52	-851.27	4,467.17	4,462.80	1.23	1.22	-0.17
8,665.00	89.51	88.56	4,011.22	-849.39	4,554.14	4,549.79	0.46	-0.07	-0.46
8,751.00	90.35	88.97	4,011.32	-847.54	4,640.12	4,635.77	1.09	0.98	0.48
8,836.00	90.10	89.52	4,010.99	-846.42	4,725.12	4,720.77	0.71	-0.29	0.65
8,924.00	90.10	89.22	4,010.84	-845.45	4,813.11	4,808.77	0.34	0.00	-0.34
9,009.00	89.96	89.74	4,010.79	-844.68	4,898.11	4,893.77	0.63	-0.16	0.61
9,096.00	91.11	89.41	4,009.98	-844.03	4,985.10	4,980.76	1.38	1.32	-0.38
9,181.00	90.55	89.77	4,008.75	-843.42	5,070.09	5,065.75	0.78	-0.66	0.42
9,267.00	90.21	90.28	4,008.18	-843.46	5,156.08	5,151.75	0.71	-0.40	0.59
9,356.00	89.31	89.90	4,008.55	-843.60	5,245.08	5,240.75	1.10	-1.01	-0.43
9,388.00	88.98	90.61	4,009.03	-843.74	5,277.08	5,272.74	2.45	-1.03	2.22
Hendrix13CD #5H: LTP (100' FEL) - #5H FINAL LTP/ 100' FEL @ 9413.89' MD									
9,460.00	88.98	90.61	4,010.31	-844.51	5,349.06	5,344.72	0.00	0.00	0.00
Final Station Closure Distance= 5415.32 /Direction= 98.97 - TD: Y= 665631.19 / X= 606380.02 - Projection to Bit: 9460.00									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
#5H FINAL FTP/ 100'	0.00	0.00	3,935.92	-904.38	297.09	665,571.32	601,328.05	32.829530	-104.138030
- hit/miss target center									
- Point									
#5H FINAL LTP/ 100'	0.00	0.00	4,009.49	-844.02	5,302.96	665,631.69	606,333.92	32.829669	-104.121732
- survey misses target center by 25.89usft at 9388.00usft MD (4009.03 TVD, -843.74 N, 5277.08 E)									
- Point									
#5H FINAL Bit Proj @	0.00	0.00	4,010.31	-844.51	5,349.06	665,631.20	606,380.03	32.829668	-104.121582
- survey hits target center									
- Point									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates	Comment
		+N/-S (usft)	+E/-W (usft)
9,460.00	4,010.31	-844.51	5,349.06
9,460.00	4,010.31	-844.51	5,349.06
9,460.00	4,010.31	-844.51	5,349.06
9,460.00	4,010.31	-844.51	5,349.06
Final Station Closure Distance= 5415.32 /Direction= 98.97			
TD: Y= 665631.19 / X= 606380.02			
Projection to Bit: 9460.00' MD/ 4010.31' TVD			
TD: Latitude= 32.829668 / Longitude= -104.121582			

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 **01/31/21** thru **02/09/21** conduct or supervise the taking of a **MWD Survey** from a depth of **227'** to a depth of **9460'**; 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 5H** API No. **30-015-47477** 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
Phone:(505) 334-6178 Fax:(505) 334-6170

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 33902

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 33902
	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.

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
Phone:(505) 334-6178 Fax:(505) 334-6170
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

CONDITIONS

Action 33902

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 33902
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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