

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 11/2021
⁴ API Number 30 – 015-48311	⁵ Pool Name Empire; Glorieta - Yeso	⁶ Pool Code 96210
⁷ Property Code 330802	⁸ Property Name Ozzy Federal Com 18C	⁹ Well Number 002H

II. ¹⁰ Surface Location

UL or lot no. I	Section 13	Township 17S	Range 28E	Lot Idn	Feet from the 1615	North/South Line South	Feet from the 765	East/West line East	County Eddy
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	----------------------	------------------------	----------------

¹¹ Bottom Hole Location

UL or lot no. I	Section 18	Township 17S	Range 29E	Lot Idn	Feet from the 1885	North/South line South	Feet from the 96	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 11/23/2021	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 8/27/2021	²² Ready Date 12/3/2021	²³ TD 4639'V/9534'M	²⁴ PBTD 4639'V/9530'M	²⁵ Perforations 4,878'-9,523'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	355'	485		
12-1/4"	9-5/8"	1258'	610		
8-3/4"	7"	3887'	1935		
8-3/4"	5-1/2"	9535'			
	2-7/8"				

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 Approved by: PATRICIA MARTINEZ
Printed name: David Cain	Title: PETROLEUM SPECIALIST
Title: Regulatory Analyst	Approval Date: 12/10/2021
E-mail Address: David.cain@longfellowenergy.com	RT EXPIRES 3/3/2022
Date: 12/3/2021	
Phone: (972) 590-9900	

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
copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-48311	² Pool Code 96210	³ Pool Name Empire; Glorieta-Yeso
⁴ Property Code 330802	⁵ Property Name OZZY FEDERAL COM 18C	
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP	
	⁶ Well Number 002H	
	⁹ Elevation 3698.5	

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	13	17 S	28 E		1615	SOUTH	765	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	18	17 S	29 E		1885	SOUTH	96	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
146.92		C	

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.

NW CORNER SEC. 13
LAT. = 32.8431424°N
LONG. = 104.1387095°W

NMSP EAST (FT)
N = 670523.36
E = 601110.01

NE CORNER SEC. 13
LAT. = 32.8431631°N
LONG. = 104.1213595°W

NMSP EAST (FT)
N = 670541.18
E = 606438.49

NW CORNER SEC. 18
LAT. = 32.8418304°N
LONG. = 104.1213621°W

NMSP EAST (FT)
N = 670056.28
E = 606438.68

NE CORNER SEC. 18
LAT. = 32.8418330°N
LONG. = 104.1056015°W

NMSP EAST (FT)
N = 670067.31
E = 611279.13

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 undivided 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.

11/23/2021

Signature: David Cain Date: _____

Printed Name: **David Cain**

Printed Name: david.cain@longfellowenergy.com

E-mail Address: _____

NW CORNER SEC. 13
LAT. = 32.8431478°N
LONG. = 104.1300381°W

NMSP EAST (FT)
N = 670530.36
E = 608773.17

NE CORNER SEC. 13
LAT. = 32.8431631°N
LONG. = 104.1213595°W

NMSP EAST (FT)
N = 670541.18
E = 606438.49

NW CORNER SEC. 18
LAT. = 32.8418304°N
LONG. = 104.1213621°W

NMSP EAST (FT)
N = 670056.28
E = 606438.68

NE CORNER SEC. 18
LAT. = 32.8418330°N
LONG. = 104.1056015°W

NMSP EAST (FT)
N = 670067.31
E = 611279.13

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 undivided 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.

11/23/2021

Signature: David Cain Date: _____

Printed Name: **David Cain**

Printed Name: david.cain@longfellowenergy.com

E-mail Address: _____

NW CORNER SEC. 13
LAT. = 32.8431478°N
LONG. = 104.1300381°W

NMSP EAST (FT)
N = 670530.36
E = 608773.17

NE CORNER SEC. 13
LAT. = 32.8431631°N
LONG. = 104.1213595°W

NMSP EAST (FT)
N = 670541.18
E = 606438.49

NW CORNER SEC. 18
LAT. = 32.8418304°N
LONG. = 104.1213621°W

NMSP EAST (FT)
N = 670056.28
E = 606438.68

NE CORNER SEC. 18
LAT. = 32.8418330°N
LONG. = 104.1056015°W

NMSP EAST (FT)
N = 670067.31
E = 611279.13

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 undivided 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.

11/23/2021

Signature: David Cain Date: _____

Printed Name: **David Cain**

Printed Name: david.cain@longfellowenergy.com

E-mail Address: _____

NW CORNER SEC. 13
LAT. = 32.8431478°N
LONG. = 104.1300381°W

NMSP EAST (FT)
N = 670530.36
E = 608773.17

NE CORNER SEC. 13
LAT. = 32.8431631°N
LONG. = 104.1213595°W

NMSP EAST (FT)
N = 670541.18
E = 606438.49

NW CORNER SEC. 18
LAT. = 32.8418304°N
LONG. = 104.1213621°W

NMSP EAST (FT)
N = 670056.28
E = 606438.68

NE CORNER SEC. 18
LAT. = 32.8418330°N
LONG. = 104.1056015°W

NMSP EAST (FT)
N = 670067.31
E = 611279.13

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 undivided 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.

11/23/2021

Signature: David Cain Date: _____

Printed Name: **David Cain**

Printed Name: david.cain@longfellowenergy.com

E-mail Address: _____

Intent ☐ As Drilled ☒

API # 30-015-48311		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: OZZY FEDERAL COM 18C	Well Number 002H

Kick Off Point (KOP)

UL I	Section 13	Township 17S	Range 28E	Lot	Feet 1446	From N/S SOUTH	Feet 479	From E/W EAST	County EDDY
Latitude 32.8325568					Longitude 104.1229556			NAD 83	

First Take Point (FTP)

UL I	Section 18	Township 17S	Range 29E	Lot 3	Feet 1888	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8325349					Longitude 104.1210858			NAD 83	

Last Take Point (LTP)

UL I	Section 18	Township 17S	Range 29E	Lot	Feet 1885	From N/S SOUTH	Feet 101	From E/W EAST	County EDDY
Latitude 32.8324914					Longitude 104.1059332			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)

OZZY FED COM 18C

002H

Wellbore #1

Survey: Survey #1

Standard Survey Report

07 September, 2021





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB @ 3715.70usft
Site:	OZZY FED COM 18C	MD Reference:	EST RKB @ 3715.70usft
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		OZZY FED COM 18C			
Site Position:		Northing:	666,873.72 usft	Latitude:	32.833087
From:	Map	Easting:	605,670.34 usft	Longitude:	-104.123885
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.114 °

Well	002H					
Well Position	+N/-S	0.00 usft	Northing:	666,848.73 usft	Latitude:	32.833018
	+E/-W	0.00 usft	Easting:	605,670.32 usft	Longitude:	-104.123885
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,698.70 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	6/2/2021	6.854	60.372	47,797.83631567

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	89.86	

Survey Program	Date	9/7/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
158.00	9,537.00	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	
158.00	1.19	139.45	157.99	-1.25	1.07	1.06	0.75	0.75	0.00	
218.00	1.23	123.99	217.98	-2.08	2.01	2.00	0.55	0.07	-25.77	
293.00	2.02	121.61	292.94	-3.22	3.80	3.79	1.06	1.05	-3.17	
395.00	2.68	128.73	394.86	-5.66	7.19	7.18	0.71	0.65	6.98	
485.00	4.18	118.45	484.70	-8.54	11.72	11.69	1.79	1.67	-11.42	
574.00	5.32	117.92	573.39	-12.01	18.21	18.18	1.28	1.28	-0.60	
665.00	5.67	118.98	663.97	-16.17	25.87	25.83	0.40	0.38	1.16	
756.00	6.15	118.98	754.49	-20.71	34.07	34.02	0.53	0.53	0.00	
844.00	5.27	121.44	842.05	-25.10	41.64	41.58	1.04	-1.00	2.80	



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB @ 3715.70usft
Site:	OZZY FED COM 18C	MD Reference:	EST RKB @ 3715.70usft
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)
934.00	5.45	121.26	931.66	-29.47	48.82	48.75	0.20	0.20	-0.20
1,025.00	5.23	123.37	1,022.26	-34.00	55.98	55.90	0.32	-0.24	2.32
1,110.00	5.23	124.07	1,106.91	-38.30	62.42	62.33	0.08	0.00	0.82
1,197.00	4.92	124.16	1,193.57	-42.61	68.80	68.69	0.36	-0.36	0.10
1,290.00	4.79	121.17	1,286.23	-46.86	75.42	75.30	0.31	-0.14	-3.22
1,377.00	4.26	120.82	1,372.96	-50.40	81.30	81.18	0.61	-0.61	-0.40
1,464.00	4.04	120.47	1,459.73	-53.61	86.72	86.59	0.25	-0.25	-0.40
1,550.00	4.70	123.63	1,545.48	-57.10	92.26	92.12	0.82	0.77	3.67
1,635.00	4.53	127.85	1,630.21	-61.08	97.81	97.66	0.45	-0.20	4.96
1,723.00	4.88	130.23	1,717.91	-65.63	103.41	103.25	0.46	0.40	2.70
1,808.00	6.20	113.18	1,802.52	-69.78	110.39	110.22	2.47	1.55	-20.06
1,893.00	5.89	111.24	1,887.04	-73.16	118.68	118.50	0.44	-0.36	-2.28
1,984.00	4.92	119.59	1,977.64	-76.78	126.43	126.24	1.37	-1.07	9.18
2,071.00	4.40	118.01	2,064.35	-80.19	132.62	132.42	0.62	-0.60	-1.82
2,161.00	4.13	118.71	2,154.10	-83.37	138.51	138.30	0.31	-0.30	0.78
2,250.00	4.00	133.65	2,242.88	-87.05	143.56	143.35	1.20	-0.15	16.79
2,337.00	4.44	138.49	2,329.65	-91.67	147.99	147.77	0.65	0.51	5.56
2,426.00	5.36	122.58	2,418.32	-96.49	153.78	153.54	1.83	1.03	-17.88
2,515.00	6.02	121.00	2,506.88	-101.13	161.28	161.03	0.76	0.74	-1.78
2,604.00	5.76	119.15	2,595.41	-105.71	169.18	168.92	0.36	-0.29	-2.08
2,692.00	5.67	117.75	2,682.98	-109.88	176.88	176.62	0.19	-0.10	-1.59
2,780.00	5.80	117.22	2,770.54	-113.94	184.69	184.41	0.16	0.15	-0.60
2,869.00	5.27	119.77	2,859.12	-118.03	192.23	191.94	0.66	-0.60	2.87
2,956.00	5.14	118.45	2,945.76	-121.87	199.13	198.83	0.20	-0.15	-1.52
3,043.00	5.19	117.48	3,032.41	-125.54	206.05	205.74	0.12	0.06	-1.11
3,130.00	4.04	117.13	3,119.13	-128.75	212.26	211.95	1.32	-1.32	-0.40
3,218.00	3.91	121.00	3,206.91	-131.71	217.59	217.27	0.34	-0.15	4.40
3,305.00	4.31	122.23	3,293.69	-134.98	222.90	222.57	0.47	0.46	1.41
3,394.00	4.66	120.73	3,382.42	-138.61	228.84	228.50	0.41	0.39	-1.69
3,481.00	4.70	119.86	3,469.13	-142.19	234.97	234.62	0.09	0.05	-1.00
3,569.00	4.62	122.14	3,556.84	-145.87	241.10	240.74	0.23	-0.09	2.59
3,656.00	4.48	117.92	3,643.56	-149.33	247.07	246.70	0.42	-0.16	-4.85
3,743.00	5.41	122.14	3,730.24	-153.10	253.54	253.17	1.15	1.07	4.85
3,829.00	5.67	122.93	3,815.84	-157.57	260.54	260.15	0.32	0.30	0.92
3,917.00	5.54	121.96	3,903.42	-162.18	267.79	267.39	0.18	-0.15	-1.10
4,004.00	8.48	104.83	3,989.77	-166.05	277.56	277.15	4.11	3.38	-19.69
4,047.00	13.80	95.60	4,031.94	-167.36	285.73	285.32	13.01	12.37	-21.47
4,089.00	17.27	93.58	4,072.40	-168.24	296.95	296.53	8.36	8.26	-4.81
4,132.00	21.85	93.40	4,112.91	-169.11	311.31	310.90	10.65	10.65	-0.42
4,175.00	26.20	93.14	4,152.18	-170.11	328.79	328.37	10.12	10.12	-0.60
4,218.00	29.10	91.91	4,190.26	-170.98	348.72	348.30	6.87	6.74	-2.86
4,262.00	30.20	91.20	4,228.50	-171.56	370.48	370.06	2.62	2.50	-1.61
4,305.00	34.73	91.38	4,264.77	-172.09	393.55	393.12	10.54	10.53	0.42
4,349.00	39.12	92.52	4,299.94	-173.00	419.96	419.53	10.10	9.98	2.59



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB @ 3715.70usft
Site:	OZZY FED COM 18C	MD Reference:	EST RKB @ 3715.70usft
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)
4,392.00	42.33	93.31	4,332.52	-174.43	447.97	447.54	7.56	7.47	1.84
4,436.00	45.19	92.52	4,364.30	-175.97	478.36	477.93	6.62	6.50	-1.80
4,480.00	50.02	91.03	4,393.95	-176.96	510.83	510.39	11.26	10.98	-3.39
4,522.00	53.58	89.53	4,419.92	-177.11	543.83	543.39	8.93	8.48	-3.57
4,566.00	57.54	88.57	4,444.80	-176.50	580.10	579.67	9.18	9.00	-2.18
4,666.00	58.07	88.21	4,498.08	-174.13	664.69	664.26	0.61	0.53	-0.36
4,698.00	61.01	89.09	4,514.30	-173.48	692.26	691.84	9.49	9.19	2.75
4,742.00	66.99	90.68	4,533.59	-173.41	731.79	731.36	13.97	13.59	3.61
4,785.00	74.11	91.64	4,547.89	-174.24	772.30	771.87	16.69	16.56	2.23
4,828.00	80.84	91.47	4,557.21	-175.38	814.24	813.81	15.66	15.65	-0.40
4,871.00	85.80	91.29	4,562.21	-176.41	856.92	856.49	11.54	11.53	-0.42
4,960.00	90.90	91.20	4,564.78	-178.34	945.83	945.40	5.73	5.73	-0.10
5,045.00	92.53	90.15	4,562.23	-179.34	1,030.79	1,030.34	2.28	1.92	-1.24
5,132.00	91.56	89.62	4,559.13	-179.17	1,117.73	1,117.29	1.27	-1.11	-0.61
5,255.00	90.68	89.36	4,556.72	-178.07	1,240.70	1,240.26	0.75	-0.72	-0.21
5,343.00	87.21	90.24	4,558.34	-177.76	1,328.67	1,328.23	4.07	-3.94	1.00
5,428.00	85.54	90.59	4,563.72	-178.38	1,413.49	1,413.05	2.01	-1.96	0.41
5,516.00	87.34	90.76	4,569.18	-179.41	1,501.31	1,500.87	2.05	2.05	0.19
5,602.00	88.44	90.94	4,572.35	-180.69	1,587.25	1,586.80	1.30	1.28	0.21
5,689.00	88.88	91.12	4,574.38	-182.25	1,674.21	1,673.76	0.55	0.51	0.21
5,775.00	89.05	91.47	4,575.94	-184.19	1,760.17	1,759.72	0.45	0.20	0.41
5,862.00	89.27	91.91	4,577.21	-186.76	1,847.12	1,846.66	0.57	0.25	0.51
5,948.00	89.36	92.43	4,578.24	-190.02	1,933.06	1,932.59	0.61	0.10	0.60
6,036.00	89.05	92.08	4,579.46	-193.48	2,020.98	2,020.50	0.53	-0.35	-0.40
6,121.00	88.62	90.85	4,581.19	-195.65	2,105.93	2,105.45	1.53	-0.51	-1.45
6,208.00	88.04	89.80	4,583.72	-196.14	2,192.89	2,192.41	1.38	-0.67	-1.21
6,294.00	87.91	89.62	4,586.76	-195.71	2,278.84	2,278.35	0.26	-0.15	-0.21
6,381.00	88.04	90.24	4,589.84	-195.60	2,365.78	2,365.30	0.73	0.15	0.71
6,470.00	88.04	89.88	4,592.88	-195.70	2,454.73	2,454.24	0.40	0.00	-0.40
6,560.00	87.96	88.74	4,596.02	-194.61	2,544.67	2,544.18	1.27	-0.09	-1.27
6,649.00	89.19	88.39	4,598.24	-192.39	2,633.61	2,633.13	1.44	1.38	-0.39
6,738.00	89.36	88.74	4,599.36	-190.16	2,722.57	2,722.10	0.44	0.19	0.39
6,827.00	88.92	89.18	4,600.70	-188.54	2,811.55	2,811.08	0.70	-0.49	0.49
6,917.00	88.88	89.45	4,602.43	-187.47	2,901.53	2,901.06	0.30	-0.04	0.30
7,007.00	89.10	89.09	4,604.01	-186.32	2,991.50	2,991.04	0.47	0.24	-0.40
7,098.00	88.79	88.57	4,605.69	-184.46	3,082.47	3,082.01	0.67	-0.34	-0.57
7,187.00	89.27	88.21	4,607.19	-181.96	3,171.42	3,170.97	0.67	0.54	-0.40
7,277.00	88.84	88.30	4,608.68	-179.22	3,261.37	3,260.92	0.49	-0.48	0.10
7,368.00	88.48	88.39	4,610.81	-176.59	3,352.30	3,351.86	0.41	-0.40	0.10
7,453.00	88.92	88.48	4,612.74	-174.27	3,437.25	3,436.81	0.53	0.52	0.11
7,541.00	90.11	89.01	4,613.48	-172.35	3,525.22	3,524.79	1.48	1.35	0.60
7,627.00	90.42	89.09	4,613.08	-170.92	3,611.21	3,610.78	0.37	0.36	0.09
7,715.00	90.15	89.01	4,612.64	-169.46	3,699.20	3,698.77	0.32	-0.31	-0.09



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB @ 3715.70usft
Site:	OZZY FED COM 18C	MD Reference:	EST RKB @ 3715.70usft
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)	
7,800.00	89.76	89.09	4,612.71	-168.05	3,784.19	3,783.76	0.47	-0.46	0.09	
7,886.00	89.76	89.45	4,613.07	-166.96	3,870.18	3,869.76	0.42	0.00	0.42	
7,972.00	90.20	89.18	4,613.10	-165.93	3,956.17	3,955.75	0.60	0.51	-0.31	
8,058.00	89.14	89.88	4,613.60	-165.22	4,042.17	4,041.75	1.48	-1.23	0.81	
8,143.00	88.92	90.24	4,615.04	-165.31	4,127.15	4,126.74	0.50	-0.26	0.42	
8,229.00	88.88	90.59	4,616.69	-165.93	4,213.14	4,212.72	0.41	-0.05	0.41	
8,316.00	89.10	90.68	4,618.22	-166.90	4,300.12	4,299.70	0.27	0.25	0.10	
8,401.00	89.32	91.03	4,619.39	-168.17	4,385.10	4,384.67	0.49	0.26	0.41	
8,492.00	88.88	90.32	4,620.82	-169.24	4,476.08	4,475.65	0.92	-0.48	-0.78	
8,580.00	89.10	90.32	4,622.37	-169.73	4,564.07	4,563.64	0.25	0.25	0.00	
8,666.00	89.19	90.94	4,623.66	-170.67	4,650.05	4,649.62	0.73	0.10	0.72	
8,751.00	89.76	91.38	4,624.44	-172.40	4,735.03	4,734.59	0.85	0.67	0.52	
8,841.00	89.05	90.94	4,625.37	-174.22	4,825.00	4,824.56	0.93	-0.79	-0.49	
8,927.00	88.40	90.41	4,627.28	-175.23	4,910.98	4,910.53	0.98	-0.76	-0.62	
9,014.00	87.78	89.97	4,630.18	-175.52	4,997.93	4,997.48	0.87	-0.71	-0.51	
9,100.00	88.00	90.15	4,633.35	-175.61	5,083.87	5,083.42	0.33	0.26	0.21	
9,187.00	88.18	90.24	4,636.25	-175.90	5,170.82	5,170.37	0.23	0.21	0.10	
9,272.00	89.27	91.03	4,638.14	-176.85	5,255.79	5,255.34	1.58	1.28	0.93	
9,360.00	89.63	90.50	4,638.99	-178.02	5,343.78	5,343.33	0.73	0.41	-0.60	
9,447.00	90.20	90.85	4,639.11	-179.05	5,430.77	5,430.32	0.77	0.66	0.40	
9,537.00	90.20	90.85	4,638.80	-180.38	5,520.76	5,520.30	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FINAL TD/ BIT PROJ	0.00	0.00	4,638.80	-180.38	5,520.76	666,668.35	611,191.09	32.832491	-104.105912	
- hit/miss target										
- Shape										
- survey hits target center										
- Point										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,757.70	4,539.39	-173.63	746.37	FINAL SECTION X-ING: 4757.70' MD/ 4539.39' TVD	
4,878.48	4,562.73	-176.57	864.38	FINAL FTP: 4878.48' MD/ 4562.73' TVD	
9,531.85	4,638.82	-180.31	5,515.61	FINAL LTP: 9531.85' MD/ 4638.82' TVD	
9,537.00	4,638.80	-180.38	5,520.76	TD: Y= 666668.35 / X= 611191.08	
9,537.00	4,638.80	-180.38	5,520.76	Final Station Closure Distance= 5523.71 / Direction= 91.87	
9,537.00	4,638.80	-180.38	5,520.76	Projection to Bit: 9537.00' MD/ 4638.80' TVD	
9,537.00	4,638.80	-180.38	5,520.76	TD: Latitude= 32.832491 / Longitude= -104.105912	

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 **08/27/21** thru **09/06/21** conduct or supervise the taking of a **MWD Survey** from a depth of **158'** to a depth of **9537'**; 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 **Ozzy Federal Com 18C 2H** API No. **30-015-48311** 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 64919

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 64919
	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 64919

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 64919
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT C-104 EXPIRES 3/3/2022.	12/10/2021