

Santa Fe Main Office Phone: (505) 476-3441 Fax: (505) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/oed/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: Longfellow Energy, LP	OGRID: 372210
Property Name and Well Number: Ozzy Federal Com 1817DX 002H	Property Code: 330812
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-015-48328
Pool Name: Empire; Glorieta-Yeso	Pool Code: 96210

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	13	17S	28E		240 FSL	610 FEL	32.8292405	-104.1233931	Eddy

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Ready	4-7-2025	4555' - 14475'	4050' - 4270'

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):	Communitization Agreement ☒ Yes ☐ No, Order No. Pending
Surface Casing Action ID: 460305	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 460305	Compulsory Pooling: ☒ Yes ☐ No, Order No. R-23129
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 460305	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:	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	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 David Cain 	
Title Sr Engineering Technologist & Regulatory Specialist	Date 5/13/2025

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☐ Amended Report
		☒ As Drilled	

WELL LOCATION INFORMATION

API Number 30-015-48328	Pool Code 96210	Pool Name EMPIRE; GLORIETA-YESO
Property Code 330812	Property Name OZZY FEDERAL COM 1817DX	Well Number 002H
OGRID No. 372210	Operator Name LONGFELLOW ENERGY, LP	Ground Level Elevation 3697.6
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL P	Section 13	Township 17 S	Range 28 E	Lot	Ft. from N/S 240 SOUTH	Ft. from E/W 610 EAST	Latitude 32.8292405°N	Longitude 104.1233931°W	County EDDY
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Bottom Hole Location

UL P	Section 17	Township 17 S	Range 29 E	Lot	Ft. from N/S 478 SOUTH	Ft. from E/W 19 EAST	Latitude 32.8286171°N	Longitude 104.0884510°W	County EDDY
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Dedicated Acres 307.04	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL P	Section 13	Township 17 S	Range 28 E	Lot	Ft. from N/S 74 SOUTH	Ft. from E/W 826 EAST	Latitude 32.8287802°N	Longitude 104.1240981°W	County EDDY
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First Take Point (FTP)

UL	Section 18	Township 17 S	Range 29 E	Lot 4	Ft. from N/S 474 SOUTH	Ft. from E/W 100 WEST	Latitude 32.8286442°N	Longitude 104.1210842°W	County EDDY
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Last Take Point (LTP)

UL P	Section 17	Township 17 S	Range 29 E	Lot	Ft. from N/S 478 SOUTH	Ft. from E/W 100 EAST	Latitude 32.8286150°N	Longitude 104.0887137°W	County EDDY
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Unitized Area or Area of Uniform Interest 307.04	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3717.9'
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest run leased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order here to fore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

 4/15/2025
Signature Date

David Cain

Printed Name

david.cain@longfellowenergy.com

Email Address

SURVEYOR CERTIFICATIONS

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.



Signature and Seal of Professional Surveyor
FILIMON F. JARAMILLO

Certificate Number

PLS 12797

Date of Survey

FEBRUARY 18, 2025

SURVEY NO. 8394A

Note: 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.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

OZZY FEDERAL COM 1817DX 002H
EL. = 3697.6

LEGEND

--- SECTION LINE
--- QUARTER LINE
--- LEASE LINE
--- WELL PATH

GEODETIC COORDINATES

NAD 83 NMSP EAST
SURFACE LOCATION
240' FSL, 610' FEL
N.=665474.62
E.=605824.01
LAT.=32.8292405°N
LONG.=104.1233931°W

LAST TAKE POINT
478' FSL, 100' FEL
N.=665269.97
E.=616476.88
LAT.=32.8286150°N
LONG.=104.0887137°W

PPP3
496' FSL, 2643' FEL
N.=665273.85
E.=613934.26
LAT.=32.8286416°N
LONG.=104.0969913°W

CORNER COORDINATES TABLE

NAD 83 NMSP EAST
A - N.=670523.36 E.=601110.01
B - N.=670530.36 E.=603773.17
C - N.=670541.17 E.=606438.49
D - N.=670056.28 E.=606438.67
E - N.=670060.53 E.=608638.71
F - N.=670067.31 E.=611279.13
G - N.=670070.57 E.=613922.40
H - N.=670073.83 E.=616565.67
I - N.=667862.46 E.=601172.46
J - N.=667890.09 E.=606436.09
K - N.=667420.62 E.=606435.94
L - N.=667426.00 E.=611284.41
M - N.=667433.33 E.=616571.97
N - N.=665202.37 E.=601236.81
O - N.=665220.65 E.=603835.19
P - N.=665238.99 E.=606433.68
Q - N.=664784.94 E.=606432.86
R - N.=664789.39 E.=608640.89
S - N.=664783.74 E.=611289.69
T - N.=664777.48 E.=613935.48
U - N.=664792.68 E.=616577.93

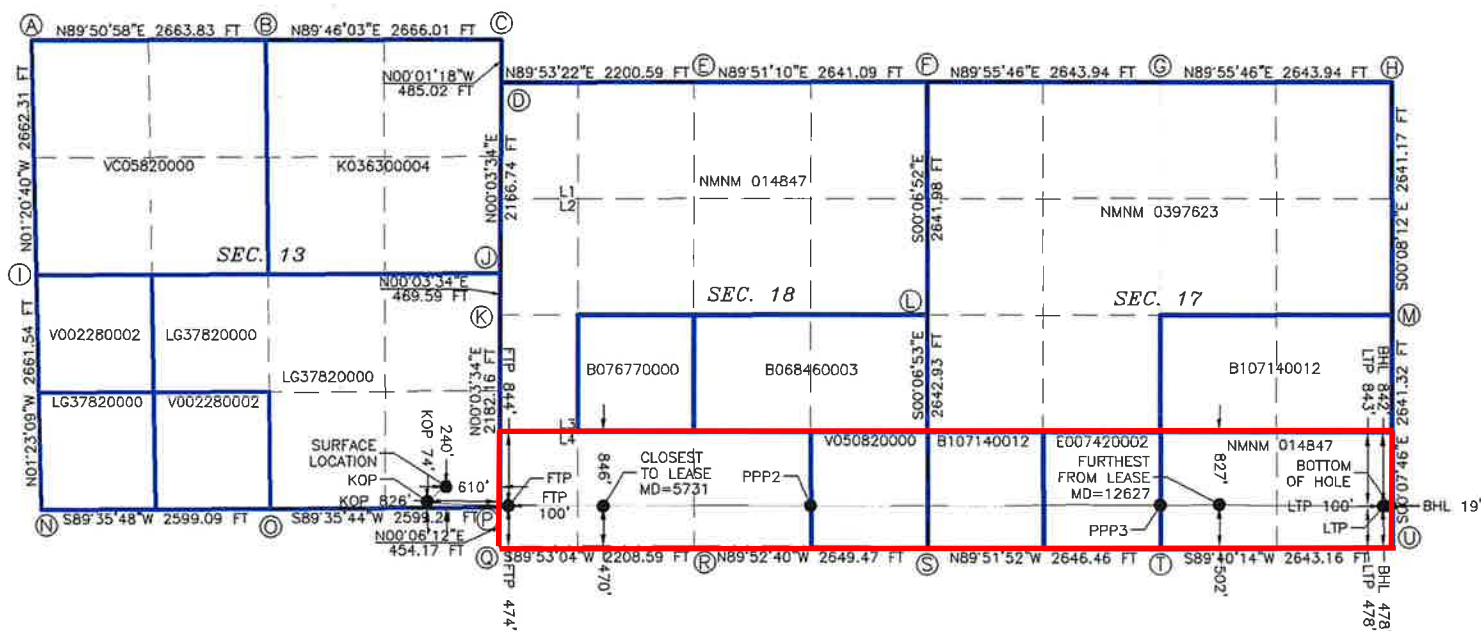
KICK OFF POINT
74' FSL, 826' FEL
N.=665306.74
E.=605607.80
LAT.=32.8287802°N
LONG.=104.1240981°W

BOTTOM OF HOLE
478' FSL, 19' FEL
N.=665270.92
E.=616557.60
LAT.=32.8286171°N
LONG.=104.0884510°W

FIRST TAKE POINT
474' FSL, 100' FWL
N.=665259.09
E.=606533.67
LAT.=32.8286442°N
LONG.=104.1210842°W

PPP2
478' FSL, 1324' FWL
N.=665264.67
E.=609964.71
LAT.=32.8286401°N
LONG.=104.1099143°W

AS-DRILLED





Longfellow Energy

Eddy Co., NM (Nad-83)

OZZY FEDERAL COM 1817DX

002H

OH

Design: OH

Standard Survey Report

03 February, 2025





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 20.3' @ 3717.90usft
Site:	OZZY FEDERAL COM 1817DX	MD Reference:	RKB = 20.3' @ 3717.90usft
Well:	002H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_3

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		

Well	002H			
Well Position	+N/-S	0.00 usft	Northing:	665,474.62 usft
	+E/-W	0.00 usft	Easting:	605,824.01 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft
Grid Convergence:	0.114 °		Latitude:	32.829241
			Longitude:	-104.123393
			Ground Level:	3,697.60 usft

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	89.92

Survey Program	Date 2/3/2025			
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
174.00	1,296.00	Survey #1 (OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction
1,386.00	14,585.00	Survey #2 (OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate	
(usft)			(usft)			(usft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
174.00	0.25	179.83	174.00	-0.38	0.00	0.00	0.14	0.14	0.00	
236.00	0.16	70.96	236.00	-0.49	0.08	0.08	0.54	-0.15	-175.60	
320.00	0.37	239.71	320.00	-0.59	-0.04	-0.04	0.63	0.25	200.89	
421.00	0.58	276.16	421.00	-0.69	-0.83	-0.83	0.35	0.21	36.09	
514.00	2.66	239.58	513.95	-1.74	-3.16	-3.16	2.39	2.24	-39.33	
607.00	6.05	235.42	606.67	-5.61	-9.06	-9.06	3.66	3.65	-4.47	
701.00	7.38	235.81	700.03	-11.82	-18.13	-18.15	1.42	1.41	0.41	
794.00	7.38	236.75	792.26	-18.45	-28.07	-28.09	0.13	0.00	1.01	
887.00	7.40	237.18	884.48	-24.97	-38.09	-38.13	0.06	0.02	0.46	
982.00	7.37	238.97	978.70	-31.43	-48.46	-48.50	0.24	-0.03	1.88	
1,076.00	7.33	240.99	1,071.92	-37.44	-58.87	-58.92	0.28	-0.04	2.15	
1,170.00	6.83	237.53	1,165.21	-43.35	-68.83	-68.89	0.70	-0.53	-3.68	
1,264.00	6.63	237.44	1,258.56	-49.27	-78.12	-78.18	0.21	-0.21	-0.10	
1,296.00	6.45	237.72	1,290.35	-51.23	-81.19	-81.26	0.57	-0.56	0.87	
1,386.00	6.01	238.88	1,379.82	-56.36	-89.50	-89.58	0.51	-0.49	1.29	
1,481.00	6.16	229.91	1,474.29	-62.21	-97.66	-97.74	1.01	0.16	-9.44	
1,576.00	6.12	225.01	1,568.74	-69.08	-105.14	-105.23	0.55	-0.04	-5.16	
1,671.00	5.45	222.90	1,663.26	-75.96	-111.79	-111.90	0.74	-0.71	-2.22	
1,765.00	4.76	218.24	1,756.88	-82.29	-117.24	-117.36	0.86	-0.73	-4.96	



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 20.3' @ 3717.90usft
Site:	OZZY FEDERAL COM 1817DX	MD Reference:	RKB = 20.3' @ 3717.90usft
Well:	002H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_3

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)
1,860.00	5.58	211.97	1,851.50	-89.31	-122.13	-122.25	1.05	0.86	-6.60
1,955.00	6.42	211.00	1,945.98	-97.78	-127.31	-127.45	0.89	0.88	-1.02
2,051.00	6.30	217.82	2,041.39	-106.54	-133.30	-133.45	0.80	-0.12	7.10
2,145.00	6.37	225.89	2,134.81	-114.25	-140.21	-140.37	0.95	0.07	8.59
2,239.00	6.06	224.88	2,228.26	-121.39	-147.46	-147.62	0.35	-0.33	-1.07
2,334.00	5.87	223.25	2,322.75	-128.48	-154.32	-154.50	0.27	-0.20	-1.72
2,429.00	6.11	239.22	2,417.24	-134.61	-161.99	-162.18	1.77	0.25	16.81
2,522.00	6.55	244.52	2,509.67	-139.42	-171.04	-171.23	0.79	0.47	5.70
2,617.00	6.35	245.14	2,604.07	-143.96	-180.69	-180.89	0.22	-0.21	0.65
2,711.00	6.08	242.84	2,697.52	-148.42	-189.84	-190.05	0.39	-0.29	-2.45
2,805.00	5.99	241.96	2,790.99	-153.00	-198.60	-198.81	0.14	-0.10	-0.94
2,900.00	5.77	239.79	2,885.49	-157.73	-207.10	-207.32	0.33	-0.23	-2.28
2,994.00	4.70	229.38	2,979.10	-162.62	-214.11	-214.33	1.52	-1.14	-11.07
3,088.00	3.54	164.89	3,072.90	-167.93	-216.27	-216.51	4.79	-1.23	-68.61
3,182.00	7.08	108.56	3,166.54	-172.58	-210.02	-210.26	6.28	3.77	-59.93
3,276.00	12.41	98.59	3,259.15	-175.93	-194.53	-194.77	5.93	5.67	-10.61
3,371.00	17.80	97.61	3,350.84	-179.38	-170.03	-170.28	5.68	5.67	-1.03
3,466.00	23.30	95.88	3,439.76	-183.23	-136.92	-137.17	5.82	5.79	-1.82
3,561.00	29.70	95.25	3,524.74	-187.32	-94.75	-95.01	6.74	6.74	-0.66
3,656.00	35.99	93.52	3,604.51	-191.19	-43.40	-43.67	6.69	6.62	-1.82
3,750.00	41.95	92.51	3,677.56	-194.26	15.61	15.34	6.38	6.34	-1.07
3,844.00	47.76	92.68	3,744.17	-197.27	81.81	81.54	6.18	6.18	0.18
3,939.00	52.25	92.87	3,805.21	-200.79	154.49	154.21	4.73	4.73	0.20
4,035.00	57.37	92.85	3,860.52	-204.71	232.82	232.53	5.33	5.33	-0.02
4,074.00	60.89	92.41	3,880.52	-206.24	266.25	265.97	9.08	9.03	-1.13
4,128.00	61.54	92.54	3,906.53	-208.28	313.54	313.25	1.22	1.20	0.24
4,223.00	61.88	92.04	3,951.55	-211.63	397.12	396.83	0.59	0.36	-0.53
4,274.00	63.09	92.12	3,975.11	-213.27	442.32	442.03	2.38	2.37	0.16
4,316.00	64.50	91.90	3,993.66	-214.59	479.98	479.68	3.39	3.36	-0.52
4,410.00	74.88	90.72	4,026.24	-216.57	567.99	567.69	11.10	11.04	-1.26
4,504.00	81.56	89.14	4,045.42	-216.44	659.96	659.66	7.29	7.11	-1.68
4,598.00	86.86	88.89	4,054.90	-214.84	753.43	753.13	5.64	5.64	-0.27
4,693.00	87.42	88.61	4,059.64	-212.77	848.29	847.99	0.66	0.59	-0.29
4,788.00	87.61	90.41	4,063.76	-211.95	943.19	942.90	1.90	0.20	1.89
4,882.00	87.75	91.09	4,067.57	-213.18	1,037.11	1,036.81	0.74	0.15	0.72
4,977.00	88.31	90.57	4,070.83	-214.56	1,132.04	1,131.74	0.80	0.59	-0.55
5,072.00	88.76	90.27	4,073.26	-215.26	1,227.01	1,226.71	0.57	0.47	-0.32
5,166.00	89.21	89.88	4,074.93	-215.38	1,320.99	1,320.69	0.63	0.48	-0.41
5,260.00	88.51	90.30	4,076.80	-215.53	1,414.97	1,414.67	0.87	-0.74	0.45
5,354.00	88.40	90.45	4,079.33	-216.14	1,508.94	1,508.63	0.20	-0.12	0.16
5,448.00	88.85	90.34	4,081.59	-216.79	1,602.91	1,602.60	0.49	0.48	-0.12
5,543.00	89.32	90.08	4,083.10	-217.14	1,697.89	1,697.59	0.57	0.49	-0.27
5,637.00	89.85	89.72	4,083.78	-216.97	1,791.89	1,791.59	0.68	0.56	-0.38



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 20.3' @ 3717.90usft
Site:	OZZY FEDERAL COM 1817DX	MD Reference:	RKB = 20.3' @ 3717.90usft
Well:	002H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_3

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)	
5,731.00	88.42	89.81	4,085.20	-216.59	1,885.88	1,885.57	1.52	-1.52	0.10	
5,825.00	88.09	89.77	4,088.06	-216.24	1,979.83	1,979.53	0.35	-0.35	-0.04	
5,920.00	88.71	89.90	4,090.72	-215.97	2,074.80	2,074.49	0.67	0.65	0.14	
6,014.00	88.82	89.59	4,092.74	-215.55	2,168.77	2,168.47	0.35	0.12	-0.33	
6,108.00	89.15	89.30	4,094.41	-214.64	2,262.75	2,262.45	0.47	0.35	-0.31	
6,203.00	89.49	89.42	4,095.54	-213.58	2,357.74	2,357.44	0.38	0.36	0.13	
6,297.00	87.84	89.62	4,097.73	-212.79	2,451.71	2,451.41	1.77	-1.76	0.21	
6,392.00	87.36	89.61	4,101.70	-212.15	2,546.62	2,546.32	0.51	-0.51	-0.01	
6,486.00	87.72	89.55	4,105.74	-211.47	2,640.53	2,640.24	0.39	0.38	-0.06	
6,580.00	88.37	89.55	4,108.95	-210.73	2,734.47	2,734.18	0.69	0.69	0.00	
6,675.00	88.85	88.91	4,111.25	-209.45	2,829.44	2,829.14	0.84	0.51	-0.67	
6,769.00	89.15	88.26	4,112.89	-207.13	2,923.39	2,923.10	0.76	0.32	-0.69	
6,864.00	88.79	89.77	4,114.60	-205.50	3,018.36	3,018.07	1.63	-0.38	1.59	
6,958.00	89.18	90.52	4,116.26	-205.74	3,112.35	3,112.06	0.90	0.41	0.80	
7,052.00	89.91	90.15	4,117.01	-206.29	3,206.34	3,206.05	0.87	0.78	-0.39	
7,146.00	90.58	90.59	4,116.61	-206.89	3,300.34	3,300.04	0.85	0.71	0.47	
7,240.00	90.02	91.41	4,116.12	-208.53	3,394.32	3,394.03	1.06	-0.60	0.87	
7,335.00	88.17	91.82	4,117.62	-211.21	3,489.27	3,488.97	1.99	-1.95	0.43	
7,430.00	88.93	91.80	4,120.02	-214.21	3,584.19	3,583.88	0.80	0.80	-0.02	
7,524.00	87.86	90.11	4,122.65	-215.78	3,678.13	3,677.83	2.13	-1.14	-1.80	
7,618.00	87.92	89.24	4,126.11	-215.24	3,772.07	3,771.76	0.93	0.06	-0.93	
7,712.00	88.34	89.22	4,129.18	-213.98	3,866.01	3,865.71	0.45	0.45	-0.02	
7,807.00	88.99	88.90	4,131.39	-212.42	3,960.97	3,960.67	0.76	0.68	-0.34	
7,902.00	89.97	88.92	4,132.26	-210.62	4,055.95	4,055.65	1.03	1.03	0.02	
7,997.00	88.93	90.28	4,133.17	-209.95	4,150.94	4,150.64	1.80	-1.09	1.43	
8,093.00	88.54	90.52	4,135.29	-210.62	4,246.91	4,246.61	0.48	-0.41	0.25	
8,187.00	89.01	90.77	4,137.30	-211.68	4,340.88	4,340.58	0.57	0.50	0.27	
8,282.00	87.47	90.46	4,140.22	-212.70	4,435.83	4,435.53	1.65	-1.62	-0.33	
8,376.00	86.88	90.22	4,144.85	-213.26	4,529.71	4,529.41	0.68	-0.63	-0.26	
8,471.00	87.69	90.10	4,149.35	-213.52	4,624.61	4,624.30	0.86	0.85	-0.13	
8,566.00	88.28	89.76	4,152.69	-213.41	4,719.55	4,719.24	0.72	0.62	-0.36	
8,659.00	88.87	89.40	4,155.00	-212.72	4,812.51	4,812.21	0.74	0.63	-0.39	
8,753.00	89.97	89.53	4,155.95	-211.85	4,906.50	4,906.20	1.18	1.17	0.14	
8,847.00	87.95	89.39	4,157.66	-210.96	5,000.48	5,000.18	2.15	-2.15	-0.15	
8,941.00	87.67	89.38	4,161.25	-209.95	5,094.40	5,094.11	0.30	-0.30	-0.01	
9,035.00	88.28	89.14	4,164.57	-208.74	5,188.34	5,188.04	0.70	0.65	-0.26	
9,130.00	88.96	88.89	4,166.86	-207.11	5,283.30	5,283.00	0.76	0.72	-0.26	
9,223.00	89.66	90.13	4,167.98	-206.31	5,376.28	5,375.99	1.53	0.75	1.33	
9,318.00	88.31	90.97	4,169.66	-207.22	5,471.26	5,470.97	1.67	-1.42	0.88	
9,413.00	88.48	90.96	4,172.32	-208.82	5,566.21	5,565.91	0.18	0.18	-0.01	
9,507.00	89.27	90.78	4,174.17	-210.25	5,660.18	5,659.88	0.86	0.84	-0.19	
9,601.00	89.99	90.84	4,174.78	-211.58	5,754.17	5,753.87	0.77	0.77	0.06	
9,694.00	88.87	90.42	4,175.70	-212.60	5,847.16	5,846.85	1.29	-1.20	-0.45	



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 20.3' @ 3717.90usft
Site:	OZZY FEDERAL COM 1817DX	MD Reference:	RKB = 20.3' @ 3717.90usft
Well:	002H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_3

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)
9,788.00	88.42	89.95	4,177.92	-212.90	5,941.13	5,940.83	0.69	-0.48	-0.50
9,882.00	88.56	90.02	4,180.40	-212.88	6,035.10	6,034.79	0.17	0.15	0.07
9,976.00	89.32	89.80	4,182.14	-212.73	6,129.08	6,128.78	0.84	0.81	-0.23
10,071.00	88.03	89.52	4,184.34	-212.17	6,224.05	6,223.75	1.39	-1.36	-0.29
10,165.00	87.84	89.20	4,187.72	-211.12	6,317.98	6,317.68	0.40	-0.20	-0.34
10,259.00	88.48	89.02	4,190.74	-209.66	6,411.92	6,411.62	0.71	0.68	-0.19
10,354.00	88.82	88.45	4,192.98	-207.56	6,506.87	6,506.58	0.70	0.36	-0.60
10,467.00	89.50	88.63	4,194.64	-204.68	6,619.82	6,619.53	0.62	0.60	0.16
10,561.00	90.20	89.14	4,194.88	-202.85	6,713.80	6,713.51	0.92	0.74	0.54
10,655.00	89.08	88.73	4,195.47	-201.11	6,807.78	6,807.50	1.27	-1.19	-0.44
10,750.00	88.97	88.74	4,197.09	-199.01	6,902.75	6,902.46	0.12	-0.12	0.01
10,844.00	89.48	88.84	4,198.36	-197.03	6,996.72	6,996.44	0.55	0.54	0.11
10,939.00	88.83	89.58	4,199.76	-195.72	7,091.70	7,091.42	1.04	-0.68	0.78
11,034.00	88.61	90.17	4,201.89	-195.51	7,186.67	7,186.39	0.66	-0.23	0.62
11,127.00	89.28	90.56	4,203.60	-196.10	7,279.65	7,279.37	0.83	0.72	0.42
11,220.00	89.84	90.87	4,204.31	-197.26	7,372.64	7,372.36	0.69	0.60	0.33
11,313.00	88.61	90.47	4,205.57	-198.35	7,465.63	7,465.34	1.39	-1.32	-0.43
11,404.00	88.80	90.49	4,207.63	-199.11	7,556.60	7,556.32	0.21	0.21	0.02
11,497.00	87.99	90.07	4,210.23	-199.57	7,649.56	7,649.28	0.98	-0.87	-0.45
11,590.00	88.05	90.30	4,213.44	-199.87	7,742.51	7,742.22	0.26	0.06	0.25
11,684.00	88.89	90.17	4,215.95	-200.25	7,836.47	7,836.18	0.90	0.89	-0.14
11,777.00	89.53	90.16	4,217.24	-200.52	7,929.46	7,929.17	0.69	0.69	-0.01
11,870.00	90.32	90.30	4,217.36	-200.89	8,022.46	8,022.17	0.86	0.85	0.15
11,965.00	89.11	89.61	4,217.83	-200.82	8,117.46	8,117.17	1.47	-1.27	-0.73
12,060.00	89.53	89.20	4,218.96	-199.83	8,212.44	8,212.16	0.62	0.44	-0.43
12,154.00	88.38	89.15	4,220.67	-198.48	8,306.42	8,306.13	1.22	-1.22	-0.05
12,249.00	88.77	89.60	4,223.04	-197.44	8,401.38	8,401.10	0.63	0.41	0.47
12,344.00	87.60	88.92	4,226.04	-196.22	8,496.32	8,496.04	1.42	-1.23	-0.72
12,439.00	87.82	88.88	4,229.84	-194.39	8,591.23	8,590.95	0.24	0.23	-0.04
12,533.00	88.61	88.95	4,232.77	-192.61	8,685.17	8,684.89	0.84	0.84	0.07
12,627.00	87.79	90.01	4,235.72	-191.76	8,779.11	8,778.84	1.43	-0.87	1.13
12,722.00	87.99	90.54	4,239.22	-192.22	8,874.05	8,873.77	0.60	0.21	0.56
12,817.00	88.72	91.23	4,241.95	-193.68	8,969.00	8,968.72	1.06	0.77	0.73
12,911.00	87.82	90.80	4,244.78	-195.35	9,062.94	9,062.66	1.06	-0.96	-0.46
13,006.00	88.27	90.72	4,248.02	-196.61	9,157.87	9,157.59	0.48	0.47	-0.08
13,100.00	88.72	90.92	4,250.49	-197.95	9,251.83	9,251.55	0.52	0.48	0.21
13,194.00	89.50	91.50	4,251.95	-199.94	9,345.80	9,345.51	1.03	0.83	0.62
13,289.00	88.89	90.39	4,253.29	-201.50	9,440.77	9,440.48	1.33	-0.64	-1.17
13,380.00	88.72	89.98	4,255.19	-201.80	9,531.75	9,531.46	0.49	-0.19	-0.45
13,474.00	87.43	89.76	4,258.34	-201.59	9,625.70	9,625.41	1.39	-1.37	-0.23
13,568.00	87.40	89.77	4,262.58	-201.20	9,719.60	9,719.31	0.03	-0.03	0.01
13,663.00	88.02	90.22	4,266.38	-201.19	9,814.53	9,814.23	0.81	0.65	0.47
13,757.00	88.61	90.65	4,269.14	-201.91	9,908.48	9,908.19	0.78	0.63	0.46
13,852.00	88.91	90.93	4,271.20	-203.21	10,003.45	10,003.16	0.43	0.32	0.29



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 20.3' @ 3717.90usft
Site:	OZZY FEDERAL COM 1817DX	MD Reference:	RKB = 20.3' @ 3717.90usft
Well:	002H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_3

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)
13,947.00	89.39	91.26	4,272.61	-205.03	10,098.42	10,098.13	0.61	0.51	0.35
14,041.00	90.12	91.64	4,273.01	-207.41	10,192.39	10,192.09	0.88	0.78	0.40
14,135.00	90.09	90.23	4,272.84	-208.94	10,286.37	10,286.07	1.50	-0.03	-1.50
14,230.00	90.37	89.85	4,272.46	-209.01	10,381.37	10,381.07	0.50	0.29	-0.40
14,324.00	90.12	88.98	4,272.05	-208.05	10,475.37	10,475.07	0.96	-0.27	-0.93
14,418.00	90.76	88.71	4,271.33	-206.15	10,569.34	10,569.05	0.74	0.68	-0.29
14,514.00	91.52	89.36	4,269.42	-204.54	10,665.31	10,665.01	1.04	0.79	0.68
14,585.00	91.52	89.36	4,267.54	-203.75	10,736.28	10,735.99	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
- hit/miss target									
- Shape									
FINAL TD/ BIT PROJ	0.00	0.00	4,267.54	-203.75	10,736.28	665,270.88	616,560.29	32.828617	-104.088442
- actual wellpath hits target center									
- Point									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,585.00	4,267.54	-203.75	10,736.28	TD: Y= 665270.87 / X= 616560.29
14,585.00	4,267.54	-203.75	10,736.28	Final Station Closure Distance= 10738.21 /Direction= 91.09
14,585.00	4,267.54	-203.75	10,736.28	PROJECTION TO BIT: 14585.00' MD/ 4267.54' TVD
14,585.00	4,267.54	-203.75	10,736.28	TD: Latitude= 32.828617 / Longitude= -104.088442

Checked By: _____ Approved By: _____ Date: _____

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 461628

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 461628
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

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.

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CONDITIONS

Action 461628

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 461628
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/7/2025.	5/15/2025