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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 4/2023
⁴ API Number 30 – 015-49775	⁵ Pool Name Red Lake; Glorieta – Yeso, Northeast	⁶ Pool Code 96836
⁷ Property Code 333089	⁸ Property Name Bonzo State Com 1924 CDX	⁹ Well Number 002H

II. ¹⁰ Surface Location

UL or lot no. L	Section 20	Township 17S	Range 28E	Lot Idn	Feet from the 1854	North/South Line South	Feet from the 745	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. J	Section 24	Township 17S	Range 27E	Lot Idn	Feet from the 1851	North/South line South	Feet from the 2611	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 4/1/2023	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 12/17/2022	²² Ready Date 4/28/2023	²³ TD 3804'V/12280'M	²⁴ PBTD 3806'V/12205'M	²⁵ Perforations 12,186'-4,416'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1313'	580		
8-3/4"	7"	4270'	1970		
8-3/4"	5-1/2"	12280'	1970		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: David Cain			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: David.cain@longfellowenergy.com			Approval Date: 4/20/2023		
Date: 4/18/2023		Phone: (972) 590-9918	RT EXPIRES 7/20/2023		

Received by OCD: 4/19/2023 2:16:53 PM

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
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49775	² Pool Code 96836	³ Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST
⁴ Property Code 333089	⁵ Property Name BONZO STATE COM 1924 CDX	⁶ Well Number 002H
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP	⁹ Elevation 3600.6

¹⁰ Surface Location

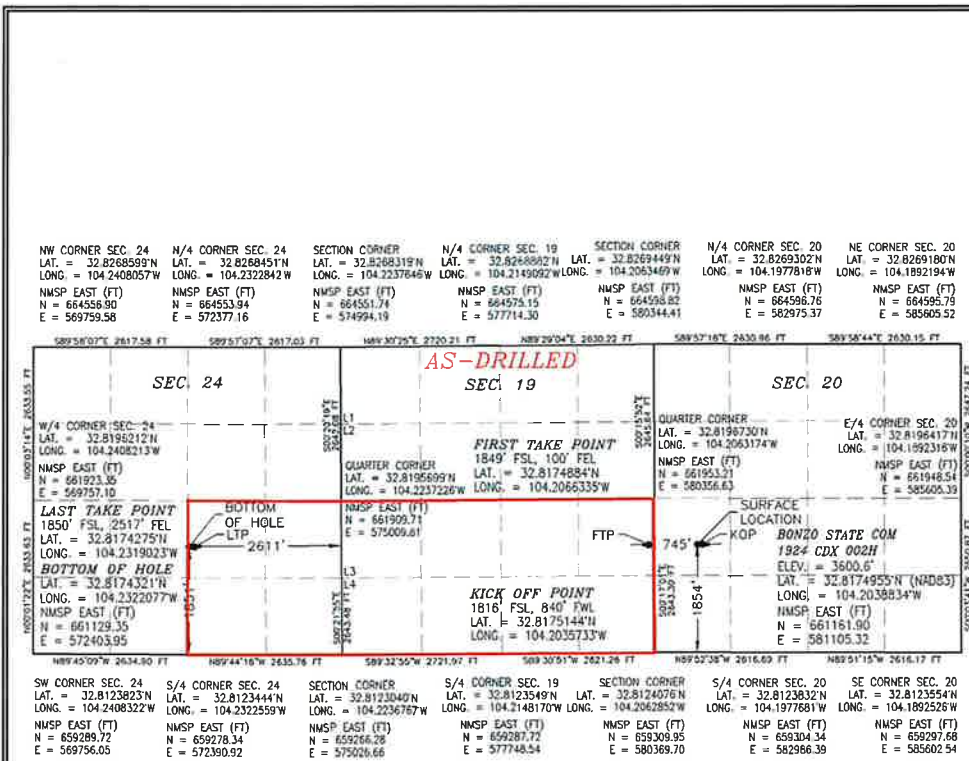
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	17 S	28 E		1854	SOUTH	745	WEST	EDDY

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
J	24	17 S	27 E		1851	SOUTH	2611	EAST	EDDY

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

No allowance 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.

David Cain 1-26-2023
Signature Date

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.

JANUARY 24, 2023

Date of Survey

Michael F. Jaramillo
Signature and Seal of Professional Surveyor
Certificate Number: 12797
EXPIRATION DATE: 12/31/2023
NO. 8716B

Intent ☐ As Drilled ☒

API # 30-015-49775		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: BONZO STATE COM 1924 CDX	Well Number 002H

Kick Off Point (KOP)

UL L	Section 20	Township 17S	Range 28E	Lot -	Feet 1861	From N/S SOUTH	Feet 840	From E/W WEST	County EDDY
Latitude 32.8175144					Longitude 104.2035733			NAD 83	

First Take Point (FTP)

UL I	Section 19	Township 17S	Range 28E	Lot	Feet 1849	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.8174884					Longitude 104.2066335			NAD 83	

Last Take Point (LTP)

UL J	Section 24	Township 17S	Range 27E	Lot	Feet 1850	From N/S SOUTH	Feet 2517	From E/W EAST	County EDDY
Latitude 32.8174275					Longitude 104.2319023			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)
BONZO STATE COM 1924CDX
002H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

03 January, 2023





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
Site:	BONZO STATE COM 1924CDX	MD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
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		BONZO STATE COM 1924CDX			
Site Position:		Northing:	660,705.77 usft	Latitude:	32.816243
From:	Map	Easting:	580,777.68 usft	Longitude:	-104.204952
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.070 °

Well	002H					
Well Position	+N-S	0.00 usft	Northing:	661,161.90 usft	Latitude:	32.817496
	+E-W	0.00 usft	Easting:	581,105.32 usft	Longitude:	-104.203884
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,596.60 usft

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	269.68	

Survey Program	Date	01/03/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
228.00	12,280.00	Survey #1 (Wellbore #1)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLAT SHL #2H: 1372' FSL & 415' FWL									
228.00	0.92	172.31	227.99	-1.81	0.24	-0.23	0.40	0.40	0.00
318.00	1.24	97.24	317.98	-2.65	1.31	-1.29	1.49	0.36	-83.41
409.00	2.22	76.05	408.94	-2.35	4.00	-3.98	1.27	1.08	-23.29
500.00	2.10	73.53	499.87	-1.45	7.30	-7.30	0.17	-0.13	-2.77
590.00	1.84	72.48	589.82	-0.55	10.26	-10.26	0.29	-0.29	-1.17
681.00	1.59	77.05	680.78	0.17	12.89	-12.89	0.31	-0.27	5.02
772.00	1.51	78.60	771.74	0.69	15.29	-15.30	0.10	-0.09	1.70
863.00	1.39	74.94	862.72	1.21	17.53	-17.54	0.17	-0.13	-4.02
953.00	1.79	67.86	952.68	2.03	19.89	-19.90	0.49	0.44	-7.87
1,044.00	2.71	70.12	1,043.61	3.30	23.23	-23.25	1.02	1.01	2.48
1,135.00	2.70	71.69	1,134.51	4.70	27.29	-27.31	0.08	-0.01	1.73
1,226.00	2.91	71.38	1,225.40	6.11	31.51	-31.55	0.23	0.23	-0.34
1,394.00	2.41	64.73	1,393.22	8.98	38.75	-38.80	0.35	-0.30	-3.96
1,488.00	2.87	68.57	1,487.12	10.68	42.72	-42.78	0.52	0.49	4.09



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
Site:	BONZO STATE COM 1924CDX	MD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
Well:	002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,584.00	3.16	84.93	1,582.99	11.80	47.60	-47.66	0.94	0.30	17.04
1,678.00	3.25	91.31	1,676.84	11.96	52.84	-52.91	0.39	0.10	6.79
1,771.00	3.22	93.68	1,769.69	11.74	58.08	-58.15	0.15	-0.03	2.55
1,866.00	3.23	91.82	1,864.54	11.48	63.42	-63.49	0.11	0.01	-1.96
1,960.00	3.10	94.34	1,958.40	11.20	68.60	-68.66	0.20	-0.14	2.68
2,055.00	3.20	95.31	2,053.25	10.76	73.80	-73.86	0.12	0.11	1.02
2,150.00	2.64	97.92	2,148.13	10.22	78.61	-78.67	0.61	-0.59	2.75
2,245.00	2.16	105.65	2,243.05	9.43	82.50	-82.55	0.61	-0.51	8.14
2,339.00	1.41	119.16	2,337.00	8.39	85.22	-85.26	0.91	-0.80	14.37
2,433.00	1.10	148.50	2,430.98	7.06	86.70	-86.74	0.75	-0.33	31.21
2,527.00	1.13	152.69	2,524.96	5.47	87.60	-87.63	0.09	0.03	4.46
2,622.00	1.11	123.67	2,619.94	4.12	88.79	-88.81	0.59	-0.02	-30.55
2,716.00	1.78	73.49	2,713.92	4.03	90.95	-90.97	1.45	0.71	-53.38
2,811.00	2.33	63.92	2,808.86	5.30	94.10	-94.13	0.68	0.58	-10.07
2,906.00	1.25	326.55	2,903.82	7.01	95.26	-95.30	2.93	-1.14	-102.49
3,000.00	5.57	271.80	2,997.65	8.01	90.13	-90.18	5.27	4.60	-58.24
3,095.00	8.22	263.80	3,091.96	7.43	78.77	-78.81	2.96	2.79	-8.42
3,189.00	10.64	257.25	3,184.68	4.78	63.63	-63.65	2.81	2.57	-6.97
3,283.00	17.37	255.94	3,275.84	-0.55	41.52	-41.52	7.17	7.16	-1.39
3,378.00	25.70	260.06	3,364.13	-7.56	7.42	-7.38	8.91	8.77	4.34
3,472.00	33.85	263.76	3,445.66	-13.93	-38.77	38.84	8.88	8.67	3.94
3,567.00	41.84	267.19	3,520.63	-18.37	-96.81	96.92	8.69	8.41	3.61
3,662.00	48.62	270.08	3,587.50	-19.88	-164.19	164.30	7.45	7.14	3.04
3,756.00	53.25	273.60	3,646.73	-17.46	-237.09	237.19	5.72	4.93	3.74
3,851.00	58.58	273.05	3,699.95	-12.91	-315.61	315.68	5.63	5.61	-0.58
3,945.00	63.66	272.11	3,745.34	-9.22	-397.81	397.86	5.47	5.40	-1.00
4,039.00	64.34	272.14	3,786.55	-6.09	-482.24	482.26	0.72	0.72	0.03
4,132.00	65.00	272.07	3,826.33	-3.00	-566.24	566.25	0.71	0.71	-0.08
4,226.00	71.94	270.61	3,860.81	-0.99	-653.60	653.60	7.52	7.38	-1.55
4,321.00	78.78	268.59	3,884.81	-1.65	-745.45	745.45	7.49	7.20	-2.13
4,415.00	86.19	269.12	3,897.10	-3.51	-838.56	838.57	7.90	7.88	0.56
4,421.38	86.43	269.12	3,897.51	-3.61	-844.93	844.94	3.69	3.69	0.00
PLAT LP/ FTP #2H: 1859' FSL & 100' FEL									
4,510.00	89.70	269.12	3,900.50	-4.97	-933.48	933.49	3.69	3.69	0.00
4,605.00	90.54	269.59	3,900.30	-6.04	-1,028.47	1,028.49	1.01	0.88	0.49
4,699.00	91.13	269.88	3,898.93	-6.47	-1,122.46	1,122.48	0.70	0.63	0.31
4,794.00	90.23	270.33	3,897.81	-6.30	-1,217.45	1,217.47	1.06	-0.95	0.47
4,889.00	90.82	270.49	3,896.94	-5.62	-1,312.44	1,312.45	0.64	0.62	0.17
4,983.00	91.02	269.65	3,895.43	-5.50	-1,406.43	1,406.44	0.92	0.21	-0.89
5,078.00	90.31	270.59	3,894.32	-5.31	-1,501.42	1,501.43	1.24	-0.75	0.99
5,172.00	90.99	270.44	3,893.26	-4.46	-1,595.41	1,595.41	0.74	0.72	-0.16
5,267.00	90.51	269.85	3,892.01	-4.22	-1,690.40	1,690.40	0.80	-0.51	-0.62
5,362.00	89.42	269.99	3,892.07	-4.35	-1,785.40	1,785.40	1.16	-1.15	0.15



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
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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)	
5,456.00	89.53	269.65	3,892.93	-4.65	-1,879.40	1,879.39	0.38	0.12	-0.36	
5,550.00	89.64	269.99	3,893.61	-4.94	-1,973.39	1,973.39	0.38	0.12	0.36	
5,645.00	89.64	270.03	3,894.21	-4.93	-2,068.39	2,068.39	0.04	0.00	0.04	
5,740.00	91.02	270.13	3,893.66	-4.79	-2,163.39	2,163.38	1.46	1.45	0.11	
5,835.00	91.46	269.92	3,891.61	-4.75	-2,258.36	2,258.36	0.51	0.46	-0.22	
5,929.00	89.84	270.53	3,890.54	-4.38	-2,352.35	2,352.34	1.84	-1.72	0.65	
6,024.00	90.17	270.50	3,890.53	-3.53	-2,447.35	2,447.33	0.35	0.35	-0.03	
6,119.00	89.56	270.13	3,890.76	-3.01	-2,542.35	2,542.32	0.75	-0.64	-0.39	
6,212.00	91.04	269.86	3,890.27	-3.02	-2,635.34	2,635.32	1.62	1.59	-0.29	
6,306.00	91.69	269.40	3,888.03	-3.62	-2,729.31	2,729.29	0.85	0.69	-0.49	
6,400.00	92.50	268.87	3,884.59	-5.04	-2,823.24	2,823.22	1.03	0.86	-0.56	
6,495.00	91.18	269.39	3,881.54	-6.48	-2,918.18	2,918.17	1.49	-1.39	0.55	
6,532.00	90.99	269.51	3,880.84	-6.84	-2,955.17	2,955.16	0.61	-0.51	0.32	
6,626.00	91.95	269.37	3,878.43	-7.76	-3,049.13	3,049.13	1.03	1.02	-0.15	
6,721.00	91.16	269.54	3,875.85	-8.66	-3,144.09	3,144.09	0.85	-0.83	0.18	
6,815.00	90.94	269.51	3,874.13	-9.44	-3,238.07	3,238.08	0.24	-0.23	-0.03	
6,910.00	91.64	269.51	3,871.99	-10.25	-3,333.04	3,333.05	0.74	0.74	0.00	
7,003.00	92.59	269.49	3,868.56	-11.06	-3,425.98	3,425.99	1.02	1.02	-0.02	
7,097.00	91.36	270.20	3,865.32	-11.31	-3,519.92	3,519.93	1.51	-1.31	0.76	
7,191.00	91.56	270.41	3,862.93	-10.81	-3,613.89	3,613.89	0.31	0.21	0.22	
7,286.00	91.56	270.63	3,860.34	-9.95	-3,708.85	3,708.84	0.23	0.00	0.23	
7,380.00	90.97	270.65	3,858.27	-8.90	-3,802.82	3,802.81	0.63	-0.63	0.02	
7,474.00	91.19	270.50	3,856.49	-7.96	-3,896.80	3,896.78	0.28	0.23	-0.16	
7,568.00	90.88	270.41	3,854.80	-7.21	-3,990.78	3,990.76	0.34	-0.33	-0.10	
7,662.00	90.01	270.13	3,854.07	-6.77	-4,084.77	4,084.75	0.97	-0.93	-0.30	
7,757.00	90.01	269.48	3,854.05	-7.09	-4,179.77	4,179.75	0.68	0.00	-0.68	
7,851.00	90.02	268.35	3,854.02	-8.87	-4,273.75	4,273.74	1.20	0.01	-1.20	
7,945.00	90.60	267.88	3,853.52	-11.97	-4,367.70	4,367.70	0.79	0.62	-0.50	
8,040.00	91.22	267.95	3,852.01	-15.42	-4,462.63	4,462.64	0.66	0.65	0.07	
8,134.00	90.88	267.64	3,850.28	-19.04	-4,556.54	4,556.58	0.49	-0.36	-0.33	
8,228.00	90.29	268.69	3,849.32	-22.05	-4,650.48	4,650.54	1.28	-0.63	1.12	
8,323.00	90.27	268.88	3,848.86	-24.06	-4,745.46	4,745.52	0.20	-0.02	0.20	
8,417.00	90.86	268.75	3,847.93	-26.01	-4,839.44	4,839.51	0.64	0.63	-0.14	
8,512.00	90.15	269.07	3,847.10	-27.81	-4,934.42	4,934.49	0.82	-0.75	0.34	
8,606.00	90.07	269.44	3,846.92	-29.03	-5,028.41	5,028.49	0.40	-0.09	0.39	
8,701.00	90.94	269.37	3,846.08	-30.02	-5,123.40	5,123.49	0.92	0.92	-0.07	
8,795.00	90.24	269.48	3,845.11	-30.96	-5,217.39	5,217.48	0.75	-0.74	0.12	
8,890.00	89.54	269.39	3,845.29	-31.90	-5,312.38	5,312.48	0.74	-0.74	-0.09	
8,981.00	89.26	269.05	3,846.25	-33.14	-5,403.37	5,403.47	0.48	-0.31	-0.37	
9,071.00	90.97	268.84	3,846.07	-34.80	-5,493.35	5,493.46	1.91	1.90	-0.23	
9,162.00	89.59	268.02	3,845.62	-37.29	-5,584.31	5,584.43	1.76	-1.52	-0.90	
9,253.00	90.07	268.52	3,845.89	-40.04	-5,675.27	5,675.40	0.76	0.53	0.55	
9,344.00	90.46	269.00	3,845.47	-42.01	-5,766.25	5,766.39	0.68	0.43	0.53	



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
Site:	BONZO STATE COM 1924CDX	MD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
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)
9,434.00	91.14	270.29	3,844.21	-42.56	-5,856.23	5,856.38	1.62	0.76	1.43
9,525.00	92.00	271.01	3,841.72	-41.53	-5,947.19	5,947.33	1.23	0.95	0.79
9,616.00	91.41	271.05	3,839.01	-39.90	-6,038.14	6,038.27	0.65	-0.65	0.04
9,707.00	92.03	270.80	3,836.28	-38.43	-6,129.08	6,129.20	0.73	0.68	-0.27
9,797.00	91.53	270.72	3,833.49	-37.24	-6,219.03	6,219.14	0.56	-0.56	-0.09
9,887.00	91.47	270.63	3,831.13	-36.18	-6,308.99	6,309.10	0.12	-0.07	-0.10
9,978.00	90.24	271.23	3,829.77	-34.70	-6,399.97	6,400.06	1.50	-1.35	0.66
10,069.00	89.17	271.14	3,830.24	-32.82	-6,490.95	6,491.03	1.18	-1.18	-0.10
10,164.00	90.71	271.25	3,830.34	-30.84	-6,585.92	6,585.99	1.63	1.62	0.12
10,257.00	90.24	271.31	3,829.57	-28.76	-6,678.90	6,678.95	0.51	-0.51	0.06
10,351.00	90.52	271.10	3,828.94	-26.78	-6,772.87	6,772.92	0.37	0.30	-0.22
10,445.00	90.83	269.02	3,827.84	-26.68	-6,866.86	6,866.90	2.24	0.33	-2.21
10,539.00	90.99	268.87	3,826.34	-28.41	-6,960.84	6,960.89	0.23	0.17	-0.16
10,633.00	90.66	267.83	3,824.99	-31.12	-7,054.78	7,054.85	1.16	-0.35	-1.11
10,727.00	89.68	268.34	3,824.71	-34.26	-7,148.73	7,148.81	1.18	-1.04	0.54
10,820.00	90.63	268.33	3,824.46	-36.96	-7,241.69	7,241.78	1.02	1.02	-0.01
10,913.00	89.79	269.24	3,824.12	-38.94	-7,334.67	7,334.77	1.33	-0.90	0.98
11,008.00	90.15	269.88	3,824.17	-39.67	-7,429.66	7,429.77	0.77	0.38	0.67
11,102.00	90.57	269.54	3,823.58	-40.14	-7,523.66	7,523.77	0.57	0.45	-0.36
11,196.00	91.27	269.08	3,822.07	-41.27	-7,617.64	7,617.75	0.89	0.74	-0.49
11,290.00	90.88	269.91	3,820.31	-42.10	-7,711.62	7,711.73	0.98	-0.41	0.88
11,384.00	90.18	269.76	3,819.44	-42.37	-7,805.61	7,805.73	0.76	-0.74	-0.16
11,478.00	91.25	269.48	3,818.26	-42.99	-7,899.60	7,899.72	1.18	1.14	-0.30
11,572.00	90.91	270.69	3,816.49	-42.86	-7,993.58	7,993.70	1.34	-0.36	1.29
11,667.00	90.97	271.06	3,814.93	-41.40	-8,088.56	8,088.67	0.39	0.06	0.39
11,762.00	90.83	270.98	3,813.44	-39.71	-8,183.53	8,183.63	0.17	-0.15	-0.08
11,855.00	90.21	270.71	3,812.60	-38.34	-8,276.52	8,276.60	0.73	-0.67	-0.29
11,950.00	91.69	270.64	3,811.02	-37.22	-8,371.50	8,371.57	1.56	1.56	-0.07
12,043.00	91.00	270.83	3,808.84	-36.03	-8,464.46	8,464.53	0.77	-0.74	0.20
12,138.00	90.69	270.64	3,807.44	-34.81	-8,559.44	8,559.51	0.38	-0.33	-0.20
12,197.96	91.62	270.96	3,806.23	-33.98	-8,619.38	8,619.44	1.65	1.56	0.53
PLAT LTP #2H: 1846' FSL & 2529' FEL									
12,206.00	91.75	271.00	3,805.99	-33.84	-8,627.42	8,627.48	1.65	1.56	0.53
12,277.96	91.75	271.00	3,803.79	-32.58	-8,699.33	8,699.38	0.00	0.00	0.00
PLAT BHL #2H: 1846' FSL & 2609' FEL									
12,280.00	91.75	271.00	3,803.73	-32.55	-8,701.38	8,701.42	0.00	0.00	0.00
Projection to Bit: 12280.00' MD/ 3803.73' TVD - Final Station Closure Distance= 8701.44 /Direction= 269.79 - TD: Latitude									



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 002H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
Site:	BONZO STATE COM 1924CDX	MD Reference:	RKB = 26.6' @ 3623.20usft (FRONTIER 26)
Well:	002H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,280.00	3,803.73	-32.55	-8,701.38	Projection to Bit: 12280.00' MD/ 3803.73' TVD
12,280.00	3,803.73	-32.55	-8,701.38	Final Station Closure Distance= 8701.44 /Direction= 269.79
12,280.00	3,803.73	-32.55	-8,701.38	TD: Latitude= 32.817432 / Longitude= -104.232208
12,280.00	3,803.73	-32.55	-8,701.38	TD: Y= 661129.35 / X= 572403.95

Checked By: _____ Approved By: _____ Date: _____

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 209128

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 209128
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 209128

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 209128
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/20/2023.	4/20/2023