

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 8/2022	
⁴ API Number 30 – 015-49528	⁵ Pool Name Artesia; Glorieta – Yeso (O)		⁶ Pool Code 96830
⁷ Property Code 332861	⁸ Property Name Santana State Com 20CD		⁹ Well Number 004H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	21	17S	28E		1200	South	200	West	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
M	20	17S	28E		1233	South	27	West	Eddy
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/12/2022	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 5/31/2022	²² Ready Date 8/12/2022	²³ TD 4097'V/9900'M	²⁴ PBSD 4099'V/9850'M	²⁵ Perforations 4781'-9828'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1228'	580		
8-3/4"	7"	4587'	1470		
8-3/4"	5-1/2"	9899'	1470		

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 Analyst

E-mail Address:
David.cain@longfellowenergy.com

Date:
8/8/2022

Phone:
(972) 590-9900

OIL CONSERVATION DIVISION

Approved by: 

Title: Petroleum Engineer

Approval Date: 08/17/22

COA: RT expires on 11/10/22

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49528		² Pool Code 96830	³ Pool Name ARTESIA; GLORIETA-YESO (O)
⁴ Property Code 332861	⁵ Property Name SANTANA STATE COM 20 CD		⁶ Well Number 004H
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP		⁹ Elevation 3613.2

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
M	21	17 S	28 E		1200	SOUTH	200	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
M	20	17 S	28 E		1233	SOUTH	27	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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: David Cain Date: 8/8/2022

Printed Name: David Cain

E-mail Address: david.cain@longfellowenergy.com

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.

JULY 13, 2022

Date of Survey: _____

Signature and Seal of Professional Surveyor: 

Certificate Number: 12797

AS-DRILLED

SEC 20

SEC 21

SANTANA STATE COM 20 CD 004H

KICK OFF POINT

LAST TAKE POINT

FIRST TAKE POINT

BOTTOM OF HOLE

QUARTER CORNER

SECTION CORNER

NW CORNER SEC. 20

N/4 CORNER SEC. 20

SW CORNER SEC. 20

S/4 CORNER SEC. 20

SECTION CORNER

S/4 CORNER SEC. 21

SE CORNER SEC. 21

SW CORNER SEC. 21

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SW CORNER SEC. 21

S/4 CORNER SEC. 21

SECTION CORNER

NW CORNER SEC. 20

N/4 CORNER SEC. 20

Intent ☐ As Drilled ☒

API #		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: SANTANA STATE COM 20 CD	Well Number 004H

Kick Off Point (KOP)

UL M	Section 21	Township 17S	Range 28E	Lot	Feet 1202	From N/S SOUTH	Feet 821	From E/W WEST	County EDDY
Latitude 32.8157268					Longitude 104.1865704			NAD 83	

First Take Point (FTP)

UL P	Section 20	Township 17S	Range 28E	Lot	Feet 1161	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.8155480					Longitude 104.1895693			NAD 83	

Last Take Point (LTP)

UL M	Section 20	Township 17S	Range 28E	Lot	Feet 1232	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8157925					Longitude 104.2059748			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)
SANTANA STATE COM 20 CD
#004H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

14 June, 2022





Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #004H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Site:	SANTANA STATE COM 20 CD	MD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Well:	#004H	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 SANTANA STATE COM 20 CD					
Site Position:		Northing:	660,599.54 usft	Latitude:	32.815933
From:	Lat/Long	Easting:	585,804.04 usft	Longitude:	-104.188591
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.078 °

Well	#004H					
Well Position	+N/-S	0.00 usft	Northing:	660,504.72 usft	Latitude:	32.815672
	+E/-W	0.00 usft	Easting:	585,803.82 usft	Longitude:	-104.188592
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,613.20 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	06/13/22	6.763	60.313	47,674.18587983

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	270.00	

Survey Program	Date	06/14/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
129.00	9,900.00	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
PLAT #4H: SHL (1200' FSL & 200' FWL)									
129.00	0.35	119.88	129.00	-0.20	0.34	-0.34	0.27	0.27	0.00
312.00	2.29	84.55	311.94	-0.13	4.47	-4.47	1.10	1.06	-19.31
493.00	4.57	94.92	492.61	-0.40	15.25	-15.25	1.30	1.26	5.73
675.00	8.80	91.58	673.33	-1.41	36.40	-36.40	2.33	2.32	-1.84
859.00	11.79	85.25	854.35	-0.24	69.21	-69.21	1.74	1.62	-3.44
1,037.00	14.25	87.19	1,027.77	2.34	109.22	-109.22	1.40	1.38	1.09
1,166.00	14.08	86.66	1,152.84	4.03	140.75	-140.75	0.17	-0.13	-0.41
1,290.00	13.55	88.42	1,273.26	5.31	170.32	-170.32	0.55	-0.43	1.42
1,462.00	13.37	82.97	1,440.54	8.30	210.20	-210.20	0.74	-0.10	-3.17



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #004H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Site:	SANTANA STATE COM 20 CD	MD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Well:	#004H	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)
1,638.00	15.66	80.68	1,610.91	14.64	253.85	-253.85	1.34	1.30	-1.30
1,809.00	16.89	85.43	1,775.06	20.36	301.39	-301.39	1.06	0.72	2.78
1,984.00	17.42	88.77	1,942.28	22.95	352.92	-352.92	0.64	0.30	1.91
2,159.00	16.72	91.23	2,109.57	22.97	404.28	-404.28	0.57	-0.40	1.41
2,337.00	15.31	95.98	2,280.67	19.97	453.25	-453.25	1.08	-0.79	2.67
2,512.00	13.55	95.45	2,450.14	15.61	496.64	-496.64	1.01	-1.01	-0.30
2,687.00	11.79	87.72	2,620.88	14.38	534.92	-534.92	1.39	-1.01	-4.42
2,863.00	13.72	81.74	2,792.54	18.09	573.55	-573.55	1.33	1.10	-3.40
2,952.00	13.72	81.56	2,879.00	21.16	594.43	-594.43	0.05	0.00	-0.20
3,037.00	8.97	91.58	2,962.32	22.46	611.04	-611.04	6.03	-5.59	11.79
3,122.00	5.10	115.66	3,046.69	20.64	621.07	-621.07	5.63	-4.55	28.33
3,208.00	3.17	179.47	3,132.50	16.60	624.54	-624.54	5.42	-2.24	74.20
3,294.00	6.69	231.86	3,218.20	11.13	620.62	-620.62	6.25	4.09	60.92
3,381.00	11.09	252.42	3,304.16	5.46	608.65	-608.65	6.16	5.06	23.63
3,466.00	13.37	270.18	3,387.25	3.03	591.02	-591.02	5.14	2.68	20.89
3,551.00	15.66	278.79	3,469.54	4.81	569.85	-569.85	3.69	2.69	10.13
3,639.00	20.41	286.88	3,553.21	11.08	543.41	-543.41	6.09	5.40	9.19
3,726.00	24.99	290.39	3,633.45	21.90	511.65	-511.65	5.49	5.26	4.03
3,814.00	29.38	283.18	3,711.73	33.31	473.18	-473.18	6.23	4.99	-8.19
3,899.00	32.90	273.34	3,784.52	39.41	429.79	-429.79	7.27	4.14	-11.58
3,988.00	38.53	267.19	3,856.78	39.46	377.92	-377.92	7.50	6.33	-6.91
4,076.00	45.22	260.16	3,922.30	32.77	319.67	-319.67	9.28	7.60	-7.99
4,163.00	52.43	259.98	3,979.54	21.48	255.21	-255.21	8.29	8.29	-0.21
4,250.00	62.46	259.63	4,026.30	8.50	183.13	-183.13	11.53	11.53	-0.40
4,338.00	62.82	259.98	4,066.74	-5.33	106.21	-106.21	0.54	0.41	0.40
4,425.00	62.46	259.80	4,106.72	-18.89	30.14	-30.14	0.45	-0.41	-0.21
4,513.00	62.29	259.80	4,147.53	-32.70	-46.60	46.60	0.19	-0.19	0.00
4,601.00	69.50	264.73	4,183.46	-43.40	-126.12	126.12	9.66	8.19	5.60
4,687.00	77.95	269.65	4,207.55	-47.37	-208.47	208.47	11.25	9.83	5.72
4,774.72	82.11	271.80	4,222.74	-46.27	-294.84	294.84	5.32	4.74	2.45
PLAT #4H: FTP (1237' FSL & 100' FEL)									
4,779.95	82.35	271.93	4,223.45	-46.10	-300.02	300.02	5.32	4.74	2.42
FINAL FTP/100' FEL @ 4779.95' MD									
4,802.00	83.40	272.46	4,226.18	-45.26	-321.88	321.88	5.32	4.75	2.41
4,887.00	90.79	274.75	4,230.49	-39.92	-406.54	406.54	9.10	8.69	2.69
4,974.00	90.97	275.45	4,229.15	-32.19	-493.18	493.18	0.83	0.21	0.80
5,060.00	92.02	277.38	4,226.91	-22.58	-578.61	578.61	2.55	1.22	2.24
5,149.00	92.20	278.79	4,223.63	-10.08	-666.66	666.66	1.60	0.20	1.58
5,237.00	92.38	277.03	4,220.12	2.02	-753.75	753.75	2.01	0.20	-2.00
5,325.00	92.55	275.63	4,216.33	11.72	-841.13	841.13	1.60	0.19	-1.59
5,414.00	92.20	273.52	4,212.64	18.81	-929.77	929.77	2.40	-0.39	-2.37
5,500.00	91.50	271.23	4,209.87	22.37	-1,015.64	1,015.64	2.78	-0.81	-2.66
5,587.00	91.32	271.41	4,207.73	24.37	-1,102.59	1,102.59	0.29	-0.21	0.21



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #004H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Site:	SANTANA STATE COM 20 CD	MD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Well:	#004H	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)
5,673.00	90.97	271.41	4,206.01	26.49	-1,188.55	1,188.55	0.41	-0.41	0.00
5,761.00	90.62	271.58	4,204.79	28.79	-1,276.51	1,276.51	0.44	-0.40	0.19
5,849.00	90.44	271.58	4,203.97	31.21	-1,364.47	1,364.47	0.20	-0.20	0.00
5,938.00	91.14	271.05	4,202.74	33.25	-1,453.44	1,453.44	0.99	0.79	-0.60
6,025.00	91.32	270.88	4,200.88	34.72	-1,540.41	1,540.41	0.28	0.21	-0.20
6,112.00	91.14	270.70	4,199.01	35.92	-1,627.38	1,627.38	0.29	-0.21	-0.21
6,199.00	91.85	270.53	4,196.74	36.85	-1,714.35	1,714.35	0.84	0.82	-0.20
6,288.00	92.20	270.53	4,193.60	37.68	-1,803.29	1,803.29	0.39	0.39	0.00
6,373.00	91.67	269.47	4,190.72	37.68	-1,888.24	1,888.24	1.39	-0.62	-1.25
6,462.00	91.67	269.30	4,188.13	36.72	-1,977.19	1,977.19	0.19	0.00	-0.19
6,548.00	91.67	269.30	4,185.62	35.67	-2,063.15	2,063.15	0.00	0.00	0.00
6,633.00	91.32	269.30	4,183.41	34.63	-2,148.11	2,148.11	0.41	-0.41	0.00
6,718.00	90.97	269.30	4,181.71	33.59	-2,233.09	2,233.09	0.41	-0.41	0.00
6,806.00	90.79	269.12	4,180.36	32.38	-2,321.07	2,321.07	0.29	-0.20	-0.20
6,893.00	92.20	268.95	4,178.09	30.92	-2,408.03	2,408.03	1.63	1.62	-0.20
6,984.00	92.20	269.12	4,174.59	29.38	-2,498.95	2,498.95	0.19	0.00	0.19
7,075.00	92.20	270.53	4,171.10	29.11	-2,589.88	2,589.88	1.55	0.00	1.55
7,167.00	92.02	271.05	4,167.71	30.37	-2,681.81	2,681.81	0.60	-0.20	0.57
7,256.00	91.85	270.88	4,164.71	31.87	-2,770.74	2,770.74	0.27	-0.19	-0.19
7,348.00	92.02	270.88	4,161.60	33.28	-2,862.68	2,862.68	0.18	0.18	0.00
7,438.00	91.50	270.53	4,158.84	34.39	-2,952.63	2,952.63	0.70	-0.58	-0.39
7,530.00	90.79	270.00	4,157.00	34.82	-3,044.61	3,044.61	0.96	-0.77	-0.58
7,622.00	90.62	269.47	4,155.87	34.39	-3,136.60	3,136.60	0.60	-0.18	-0.58
7,714.00	90.62	269.47	4,154.87	33.54	-3,228.59	3,228.59	0.00	0.00	0.00
7,803.00	90.44	269.65	4,154.05	32.86	-3,317.59	3,317.59	0.29	-0.20	0.20
7,892.00	90.62	269.82	4,153.23	32.45	-3,406.58	3,406.58	0.28	0.20	0.19
7,981.00	90.79	270.00	4,152.13	32.31	-3,495.57	3,495.57	0.28	0.19	0.20
8,071.00	90.44	270.18	4,151.16	32.45	-3,585.57	3,585.57	0.44	-0.39	0.20
8,158.00	91.32	270.00	4,149.83	32.58	-3,672.56	3,672.56	1.03	1.01	-0.21
8,245.00	91.50	270.00	4,147.69	32.58	-3,759.53	3,759.53	0.21	0.21	0.00
8,334.00	91.14	270.00	4,145.64	32.58	-3,848.51	3,848.51	0.40	-0.40	0.00
8,419.00	91.32	269.30	4,143.81	32.06	-3,933.49	3,933.49	0.85	0.21	-0.82
8,506.00	93.26	269.65	4,140.34	31.27	-4,020.41	4,020.41	2.27	2.23	0.40
8,593.00	94.66	270.18	4,134.33	31.14	-4,107.20	4,107.20	1.72	1.61	0.61
8,680.00	93.61	270.35	4,128.05	31.54	-4,193.97	4,193.97	1.22	-1.21	0.20
8,768.00	91.85	269.82	4,123.86	31.67	-4,281.87	4,281.87	2.09	-2.00	-0.60
8,856.00	90.44	269.12	4,122.11	30.86	-4,369.84	4,369.84	1.79	-1.60	-0.80
8,943.00	90.79	268.77	4,121.17	29.25	-4,456.82	4,456.82	0.57	0.40	-0.40
9,032.00	92.02	269.12	4,118.99	27.62	-4,545.78	4,545.78	1.44	1.38	0.39
9,119.00	91.14	270.70	4,116.59	27.48	-4,632.74	4,632.74	2.08	-1.01	1.82
9,206.00	90.44	271.05	4,115.39	28.81	-4,719.72	4,719.72	0.90	-0.80	0.40
9,295.00	90.97	271.05	4,114.30	30.44	-4,808.70	4,808.70	0.60	0.60	0.00
9,382.00	92.73	271.41	4,111.49	32.31	-4,895.63	4,895.63	2.06	2.02	0.41
9,468.00	90.62	270.70	4,108.97	33.89	-4,981.57	4,981.57	2.59	-2.45	-0.83



Survey Report



Company:	Longfellow Energy	Local Co-ordinate Reference:	Well #004H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Site:	SANTANA STATE COM 20 CD	MD Reference:	EST RKB = 16' @ 3629.20usft (AKITA 524)
Well:	#004H	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)
9,554.00	91.85	270.53	4,107.12	34.81	-5,067.55	5,067.55	1.44	1.43	-0.20
9,640.00	90.79	270.18	4,105.14	35.34	-5,153.52	5,153.52	1.30	-1.23	-0.41
9,728.00	92.38	270.35	4,102.70	35.75	-5,241.48	5,241.48	1.82	1.81	0.19
9,824.00	91.50	270.88	4,099.45	36.78	-5,337.42	5,337.42	1.07	-0.92	0.55
FINAL LTP/100' FWL @ 9826.82' MD - PLAT #4H: LTP (1225' FSL & 100' FWL)									
9,900.00	91.50	270.88	4,097.47	37.95	-5,413.39	5,413.39	0.00	0.00	0.00
Projection to Bit: 9900.00' MD/ 4097.47' TVD - Final Station Closure Distance= 5413.52 /Direction= 270.40 - TD: Latitude:									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FINAL BIT PROJ @ 9 - hit/miss target - Shape - Point	0.00	0.00	4,097.47	37.95	-5,413.39	660,542.67	580,390.44	32.815796	-104.206213
FINAL LTP/100' FWL - actual wellpath misses target center by 2.82usft at 9824.00usft MD (4099.45 TVD, 36.78 N, -5337.42 E) - Point	0.00	0.00	4,099.38	36.82	-5,340.24	660,541.55	580,463.58	32.815793	-104.205975
FINAL FTP/100' FEL (- actual wellpath hits target center - Point	0.00	0.00	4,223.45	-46.10	-300.02	660,458.63	585,503.80	32.815547	-104.189569

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,900.00	4,097.47	37.95	-5,413.39	Projection to Bit: 9900.00' MD/ 4097.47' TVD
9,900.00	4,097.47	37.95	-5,413.39	Final Station Closure Distance= 5413.52 /Direction= 270.40
9,900.00	4,097.47	37.95	-5,413.39	TD: Latitude= 32.815796 / Longitude= -104.206213
9,900.00	4,097.47	37.95	-5,413.39	TD: Y= 660542.67 / X= 580390.43

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 132647

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 132647
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 132647

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 132647
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	RT expires on 11/10/22	8/17/2022