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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

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 NW 3/2022
⁴ API Number 30 – 015-48184	⁵ Pool Name Artesia; Glorieta – Yeso (O)	⁶ Pool Code 96830
⁷ Property Code 330647	⁸ Property Name Elvis State Com 29A	⁹ Well Number 003H

II. ¹⁰ Surface Location

UI or lot no. D	Section 28	Township 17S	Range 28E	Lot Idn	Feet from the 810	North/South Line North	Feet from the 560	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. D	Section 29	Township 17S	Range 28E	Lot Idn	Feet from the 970	North/South line North	Feet from the 28	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 4/1/2022	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 11/25/2021	²² Ready Date 4/1/2022	²³ TD 3628'V/9385'M	²⁴ PBTD 3630'V/9324'M	²⁵ Perforations 4282'-9310' 9311	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1238'	610		
8-3/4"	7"	3974'	1425		
8-3/4"	5-1/2"	9373'	1425		

V. Well Test Data

³¹ Date New Oil 4/3/2022	³² Gas Delivery Date 4/2/2022	³³ Test Date 4/22/2022	³⁴ Test Length 24	³⁵ Tbg. Pressure 305	³⁶ Csg. Pressure 195
³⁷ Choke Size NA	³⁸ Oil 343	³⁹ Water 3229	⁴⁰ Gas 586	⁴¹ Test Method ESP	

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 Title: PETROLEUM SPECIALIST Approval Date: 6/9/2022	
Printed name: David Cain			
Title: Regulatory Analyst			
E-mail Address: David.cain@longfellowenergy.com			
Date: 6/9/2022	Phone: (972) 590-9900		

Received by OCD: 6/9/2022 10:36:58 AM

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 30-015-48184		² Pool Code 96830	³ Pool Name ARTESIA; GLORIETA-YESO (O)	
⁴ Property Code 330647	⁵ Property Name ELVIS STATE COM 29A			⁶ Well Number 003H
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP			⁹ Elevation 3607.7

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
D	28	17 S	28 E		810	NORTH	560	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
D	29	17 S	28 E		970	NORTH	28	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.

NW CORNER SEC. 29
LAT. = 32.8124076°N
LONG. = 104.2062852°W

NMSP EAST (FT)
N = 659309.95
E = 580369.70

N/4 CORNER SEC. 29
LAT. = 32.8123832°N
LONG. = 104.1977681°W

NMSP EAST (FT)
N = 659304.34
E = 582986.39

SECTION CORNER
LAT. = 32.8123554°N
LONG. = 104.1892526°W

NMSP EAST (FT)
N = 659297.68
E = 585602.94

N/4 CORNER SEC. 28
LAT. = 32.8125646°N
LONG. = 104.1808012°W

NMSP EAST (FT)
N = 659377.42
E = 588198.94

NE CORNER SEC. 28
LAT. = 32.8127748°N
LONG. = 104.1723506°W

NMSP EAST (FT)
N = 659457.75
E = 590795.03

ELVIS STATE COM 29A 003H
ELEV. = 3607.7'
LAT. = 32.8101724°N (NAD83)
LONG. = 104.1874628°W

NMSP EAST (FT)
N = 658504.22
E = 586153.52

W/4 CORNER SEC. 29
LAT. = 32.8051338°N
LONG. = 104.2062204°W

NMSP EAST (FT)
N = 656663.60
E = 580349.72

SEC. 29

LAST TAKE POINT
968' FNL, 100' FWL
LAT. = 32.8097466°N
LONG. = 104.2059870°W

QUARTER CORNER
LAT. = 32.8052210°N
LONG. = 104.1893606°W

NMSP EAST (FT)
N = 656702.04
E = 585572.90

SEC. 28

E/4 CORNER SEC. 28
LAT. = 32.8055962°N
LONG. = 104.1724480°W

NMSP EAST (FT)
N = 656846.02
E = 590769.09

SW CORNER SEC. 29
LAT. = 32.7978599°N
LONG. = 104.2064288°W

NMSP EAST (FT)
N = 654017.25
E = 580331.94

S/4 CORNER SEC. 29
LAT. = 32.7979714°N
LONG. = 104.1979346°W

NMSP EAST (FT)
N = 654061.03
E = 582941.94

SECTION CORNER
LAT. = 32.7980800°N
LONG. = 104.1894552°W

NMSP EAST (FT)
N = 654103.97
E = 585547.39

S/4 CORNER SEC. 28
LAT. = 32.7982511°N
LONG. = 104.1810192°W

NMSP EAST (FT)
N = 654169.85
E = 588139.44

SE CORNER SEC. 28
LAT. = 32.7984193°N
LONG. = 104.1725489°W

NMSP EAST (FT)
N = 654234.91
E = 590742.04

AS-DRILLED

Intent ☐ As Drilled ☒

API # 30-015-48184		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: ELVIS STATE COM 29A	Well Number 003H

Kick Off Point (KOP)

UL D	Section 28	Township 17S	Range 28E	Lot	Feet 908	From N/S NORTH	Feet 837	From E/W WEST	County EDDY
Latitude 32.8099262					Longitude 104.1865664			NAD 83	

First Take Point (FTP)

UL A	Section 29	Township 17S	Range 28E	Lot	Feet 911	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.8098539					Longitude 104.1896158			NAD 83	

Last Take Point (LTP)

UL D	Section 29	Township 17S	Range 28E	Lot	Feet 968	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8097466					Longitude 104.2059870			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)
ELVIS STATE COM 29A
003H**

Wellbore #1

Design: Wellbore #1

Standard Survey Report

02 December, 2021



Survey Report

Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 003H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Site:	ELVIS STATE COM 29A	MD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Well:	003H	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		ELVIS STATE COM 29A			
Site Position:		Northing:	658,525.13 usft	Latitude:	32.810230
From:	Map	Easting:	586,153.61 usft	Longitude:	-104.187463
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.079 °

Well	003H					
Well Position	+N/-S	0.00 usft	Northing:	658,504.22 usft	Latitude:	32.810172
	+E/-W	0.00 usft	Easting:	586,153.52 usft	Longitude:	-104.187463
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,607.70 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/05/21	6.842	60.330	47,742.65156703

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	12/02/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
222.00	9,385.00	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	
222.00	1.49	339.60	221.97	2.71	-1.01	1.01	0.67	0.67	0.00	
312.00	1.14	40.07	311.96	4.49	-0.84	0.84	1.51	-0.39	67.19	
401.00	2.33	95.71	400.92	4.98	1.53	-1.53	2.17	1.34	62.52	
490.00	3.12	102.39	489.82	4.29	5.70	-5.70	0.96	0.89	7.51	
580.00	4.48	119.09	579.62	2.05	11.16	-11.16	1.93	1.51	18.56	
670.00	6.15	120.32	669.23	-2.09	18.40	-18.40	1.86	1.86	1.37	
758.00	8.31	116.98	756.52	-7.36	28.13	-28.13	2.50	2.45	-3.80	
848.00	9.36	113.99	845.46	-13.28	40.62	-40.62	1.27	1.17	-3.32	
939.00	9.41	111.35	935.24	-19.00	54.31	-54.31	0.48	0.05	-2.90	



Survey Report

Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 003H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Site:	ELVIS STATE COM 29A	MD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Well:	003H	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)	
1,028.00	9.23	111.97	1,023.06	-24.32	67.70	-67.70	0.23	-0.20	0.70	
1,117.00	9.01	112.67	1,110.94	-29.68	80.75	-80.75	0.28	-0.25	0.79	
1,185.00	8.79	113.20	1,178.12	-33.78	90.44	-90.44	0.35	-0.32	0.78	
1,282.00	7.52	112.85	1,274.14	-39.16	103.10	-103.10	1.31	-1.31	-0.36	
1,367.00	6.51	99.49	1,358.51	-42.12	112.98	-112.98	2.25	-1.19	-15.72	
1,455.00	7.03	93.34	1,445.89	-43.25	123.28	-123.28	1.01	0.59	-6.99	
1,542.00	8.26	98.17	1,532.12	-44.45	134.78	-134.78	1.59	1.41	5.55	
1,631.00	8.00	96.50	1,620.22	-46.06	147.26	-147.26	0.39	-0.29	-1.88	
1,716.00	9.54	105.82	1,704.23	-48.65	159.92	-159.92	2.46	1.81	10.96	
1,803.00	10.07	105.90	1,789.96	-52.70	174.17	-174.17	0.61	0.61	0.09	
1,889.00	9.23	106.61	1,874.74	-56.73	188.01	-188.01	0.99	-0.98	0.83	
1,976.00	8.31	109.24	1,960.73	-60.80	200.63	-200.63	1.15	-1.06	3.02	
2,063.00	7.56	105.82	2,046.89	-64.43	212.07	-212.07	1.02	-0.86	-3.93	
2,148.00	7.30	104.94	2,131.18	-67.34	222.67	-222.67	0.33	-0.31	-1.04	
2,234.00	6.99	106.34	2,216.51	-70.23	232.97	-232.97	0.41	-0.36	1.63	
2,322.00	6.73	105.90	2,303.88	-73.14	243.07	-243.07	0.30	-0.30	-0.50	
2,410.00	6.46	106.26	2,391.30	-75.94	252.78	-252.78	0.31	-0.31	0.41	
2,496.00	6.33	106.69	2,476.76	-78.66	261.97	-261.97	0.16	-0.15	0.50	
2,581.00	5.80	107.49	2,561.29	-81.30	270.55	-270.55	0.63	-0.62	0.94	
2,667.00	4.57	182.90	2,647.02	-86.03	274.53	-274.53	7.45	-1.43	87.69	
2,752.00	1.63	78.48	2,731.93	-89.17	275.54	-275.54	6.14	-3.46	-122.85	
2,842.00	3.47	199.42	2,821.87	-91.49	275.89	-275.89	5.03	2.04	134.38	
2,927.00	7.56	241.96	2,906.49	-96.54	270.09	-270.09	6.50	4.81	50.05	
3,015.00	13.85	241.96	2,992.92	-104.22	255.67	-255.67	7.15	7.15	0.00	
3,104.00	20.53	243.36	3,077.89	-116.24	232.30	-232.30	7.52	7.51	1.57	
3,193.00	26.46	246.70	3,159.48	-131.10	200.11	-200.11	6.83	6.66	3.75	
3,279.00	32.18	249.25	3,234.44	-146.80	161.06	-161.06	6.81	6.65	2.97	
3,366.00	35.65	259.54	3,306.68	-159.63	114.41	-114.41	7.70	3.99	11.83	
3,455.00	34.46	273.69	3,379.66	-162.72	63.69	-63.69	9.21	-1.34	15.90	
3,542.00	41.10	277.82	3,448.39	-157.24	10.73	-10.73	8.16	7.63	4.75	
3,628.00	50.33	276.76	3,508.38	-149.48	-50.28	50.28	10.77	10.73	-1.23	
3,715.00	60.92	275.80	3,557.43	-141.68	-121.55	121.55	12.21	12.17	-1.10	
3,802.00	63.25	275.97	3,598.16	-133.79	-198.02	198.02	2.68	2.68	0.20	
3,887.00	66.77	275.53	3,634.06	-126.08	-274.66	274.66	4.17	4.14	-0.52	
3,975.00	74.51	274.13	3,663.21	-119.12	-357.33	357.33	8.92	8.80	-1.59	
4,063.00	83.82	271.67	3,679.74	-114.78	-443.55	443.55	10.93	10.58	-2.80	
4,150.00	92.48	269.03	3,682.54	-114.25	-530.41	530.41	10.40	9.95	-3.03	
4,183.00	93.19	268.94	3,680.91	-114.84	-563.36	563.36	2.17	2.15	-0.27	
4,270.00	90.37	268.85	3,678.21	-116.51	-650.30	650.30	3.24	-3.24	-0.10	
4,281.01	90.19	268.79	3,678.16	-116.74	-661.30	661.30	1.71	-1.63	-0.51	
FINAL FTP: 4281.01' MD/3678.16' TVD										
4,356.00	88.97	268.41	3,678.71	-118.57	-736.27	736.27	1.71	-1.63	-0.51	
4,444.00	88.04	268.15	3,681.00	-121.21	-824.20	824.20	1.10	-1.06	-0.30	
4,530.00	87.12	267.71	3,684.63	-124.31	-910.06	910.06	1.19	-1.07	-0.51	



Survey Report

Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 003H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Site:	ELVIS STATE COM 29A	MD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Well:	003H	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)
4,616.00	87.69	267.62	3,688.53	-127.81	-995.90	995.90	0.67	0.66	-0.10
4,703.00	89.36	267.01	3,690.77	-131.89	-1,082.78	1,082.78	2.04	1.92	-0.70
4,788.00	88.31	266.04	3,692.49	-137.04	-1,167.60	1,167.60	1.68	-1.24	-1.14
4,875.00	90.15	265.86	3,693.66	-143.18	-1,254.37	1,254.37	2.13	2.11	-0.21
4,962.00	90.33	268.76	3,693.30	-147.27	-1,341.27	1,341.27	3.34	0.21	3.33
5,048.00	89.27	268.33	3,693.60	-149.45	-1,427.24	1,427.24	1.33	-1.23	-0.50
5,135.00	89.54	268.59	3,694.50	-151.79	-1,514.20	1,514.20	0.43	0.31	0.30
5,222.00	90.95	269.47	3,694.13	-153.26	-1,601.18	1,601.18	1.91	1.62	1.01
5,309.00	90.20	270.87	3,693.26	-153.00	-1,688.18	1,688.18	1.83	-0.86	1.61
5,396.00	91.38	270.43	3,692.06	-152.02	-1,775.16	1,775.16	1.45	1.36	-0.51
5,483.00	91.43	270.35	3,689.92	-151.42	-1,862.13	1,862.13	0.11	0.06	-0.09
5,570.00	90.73	270.08	3,688.29	-151.10	-1,949.12	1,949.12	0.86	-0.80	-0.31
5,659.00	90.64	270.35	3,687.22	-150.76	-2,038.11	2,038.11	0.32	-0.10	0.30
5,744.00	91.82	270.96	3,685.40	-149.79	-2,123.08	2,123.08	1.56	1.39	0.72
5,835.00	91.78	271.05	3,682.54	-148.20	-2,214.02	2,214.02	0.11	-0.04	0.10
5,925.00	90.46	269.29	3,680.78	-147.93	-2,304.00	2,304.00	2.44	-1.47	-1.96
6,014.00	90.20	269.91	3,680.27	-148.55	-2,393.00	2,393.00	0.76	-0.29	0.70
6,104.00	89.10	269.73	3,680.82	-148.83	-2,482.99	2,482.99	1.24	-1.22	-0.20
6,193.00	90.81	270.61	3,680.89	-148.57	-2,571.99	2,571.99	2.16	1.92	0.99
6,283.00	91.65	270.87	3,678.95	-147.41	-2,661.96	2,661.96	0.98	0.93	0.29
6,372.00	90.81	270.96	3,677.04	-145.99	-2,750.93	2,750.93	0.95	-0.94	0.10
6,461.00	90.95	269.73	3,675.68	-145.45	-2,839.91	2,839.91	1.39	0.16	-1.38
6,550.00	92.13	268.85	3,673.28	-146.55	-2,928.87	2,928.87	1.65	1.33	-0.99
6,641.00	92.48	268.59	3,669.62	-148.58	-3,019.77	3,019.77	0.48	0.38	-0.29
6,731.00	90.86	268.06	3,667.00	-151.21	-3,109.69	3,109.69	1.89	-1.80	-0.59
6,820.00	90.46	267.97	3,665.98	-154.30	-3,198.63	3,198.63	0.46	-0.45	-0.10
6,906.00	90.68	268.76	3,665.12	-156.75	-3,284.59	3,284.59	0.95	0.26	0.92
6,991.00	91.21	269.20	3,663.72	-158.26	-3,369.57	3,369.57	0.81	0.62	0.52
7,077.00	91.25	269.38	3,661.87	-159.33	-3,455.54	3,455.54	0.21	0.05	0.21
7,164.00	91.03	268.85	3,660.14	-160.67	-3,542.51	3,542.51	0.66	-0.25	-0.61
7,253.00	90.51	269.82	3,658.95	-161.70	-3,631.50	3,631.50	1.24	-0.58	1.09
7,342.00	91.25	270.26	3,657.58	-161.64	-3,720.49	3,720.49	0.97	0.83	0.49
7,433.00	91.25	270.00	3,655.59	-161.44	-3,811.47	3,811.47	0.29	0.00	-0.29
7,519.00	91.08	270.79	3,653.85	-160.84	-3,897.45	3,897.45	0.94	-0.20	0.92
7,606.00	90.64	270.87	3,652.54	-159.58	-3,984.43	3,984.43	0.51	-0.51	0.09
7,691.00	89.71	271.14	3,652.28	-158.09	-4,069.41	4,069.41	1.14	-1.09	0.32
7,777.00	91.08	271.05	3,651.69	-156.45	-4,155.39	4,155.39	1.60	1.59	-0.10
7,862.00	90.37	269.56	3,650.61	-156.00	-4,240.38	4,240.38	1.94	-0.84	-1.75
7,948.00	91.47	269.73	3,649.23	-156.53	-4,326.37	4,326.37	1.29	1.28	0.20
8,035.00	91.21	268.33	3,647.20	-158.00	-4,413.33	4,413.33	1.64	-0.30	-1.61
8,123.00	91.08	267.18	3,645.44	-161.45	-4,501.24	4,501.24	1.31	-0.15	-1.31
8,210.00	92.13	268.15	3,643.00	-164.99	-4,588.13	4,588.13	1.64	1.21	1.11
8,298.00	91.16	269.56	3,640.47	-166.75	-4,676.08	4,676.08	1.94	-1.10	1.60



Survey Report

Company:	Longfellow Energy	Local Co-ordinate Reference:	Well 003H
Project:	Eddy Co., NM (Nad-83)	TVD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Site:	ELVIS STATE COM 29A	MD Reference:	RKB = 16' @ 3623.70usft (AKITA 524)
Well:	003H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,387.00	90.95	271.31	3,638.84	-166.07	-4,765.05	4,765.05	1.98	-0.24	1.97	
8,475.00	91.34	271.49	3,637.08	-163.92	-4,853.01	4,853.01	0.49	0.44	0.20	
8,561.00	91.47	271.93	3,634.97	-161.36	-4,938.95	4,938.95	0.53	0.15	0.51	
8,646.00	89.93	270.26	3,633.93	-159.73	-5,023.92	5,023.92	2.67	-1.81	-1.96	
8,733.00	89.10	269.82	3,634.67	-159.67	-5,110.91	5,110.91	1.08	-0.95	-0.51	
8,822.00	89.01	269.91	3,636.13	-159.88	-5,199.90	5,199.90	0.14	-0.10	0.10	
8,910.00	90.11	270.35	3,636.81	-159.68	-5,287.90	5,287.90	1.35	1.25	0.50	
8,996.00	90.51	269.91	3,636.35	-159.49	-5,373.90	5,373.90	0.69	0.47	-0.51	
9,083.00	90.81	270.08	3,635.34	-159.50	-5,460.89	5,460.89	0.40	0.34	0.20	
9,171.00	90.59	269.38	3,634.27	-159.91	-5,548.88	5,548.88	0.83	-0.25	-0.80	
9,260.00	91.69	269.03	3,632.50	-161.15	-5,637.85	5,637.85	1.30	1.24	-0.39	
9,313.00	91.96	268.59	3,630.81	-162.25	-5,690.82	5,690.82	0.97	0.51	-0.83	
9,313.21	91.96	268.59	3,630.80	-162.25	-5,691.03	5,691.03	0.00	0.00	0.00	
FINAL LTP: 9313.21' MD/ 3630.80' TVD										
9,385.00	91.96	268.59	3,628.35	-164.02	-5,762.75	5,762.75	0.00	0.00	0.00	
Projection to Bit: 9385.00' MD/ 3628.35' TVD - Final Station Closure Distance= 5765.09 /Direction= 268.37 - TD: Latitude= 32.809742 / Long										

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FINAL TD/PROJECTION - actual wellpath hits target center - Point	0.00	0.00	3,628.35	-164.02	-5,762.75	658,340.21	580,390.77	32.809742	-104.206221
FINAL LTP: 968' FNL, 10' - actual wellpath hits target center - Point	0.00	0.00	3,630.80	-162.25	-5,691.03	658,341.97	580,462.49	32.809747	-104.205987
FINAL FTP: 910' FNL, 10' - actual wellpath hits target center - Point	0.00	0.00	3,678.16	-116.74	-661.30	658,387.48	585,492.22	32.809854	-104.189616

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,281.01	3,678.16	-116.74	-661.30	FINAL FTP: 4281.01' MD/3678.16' TVD	
9,313.21	3,630.80	-162.25	-5,691.03	FINAL LTP: 9313.21' MD/ 3630.80' TVD	
9,385.00	3,628.35	-164.02	-5,762.75	Projection to Bit: 9385.00' MD/ 3628.35' TVD	
9,385.00	3,628.35	-164.02	-5,762.75	Final Station Closure Distance= 5765.09 /Direction= 268.37	
9,385.00	3,628.35	-164.02	-5,762.75	TD: Latitude= 32.809742 / Longitude= -104.206220	
9,385.00	3,628.35	-164.02	-5,762.75	TD: Y= 658340.20 / X= 580390.77	

Checked By: _____	Approved By: _____	Date: _____
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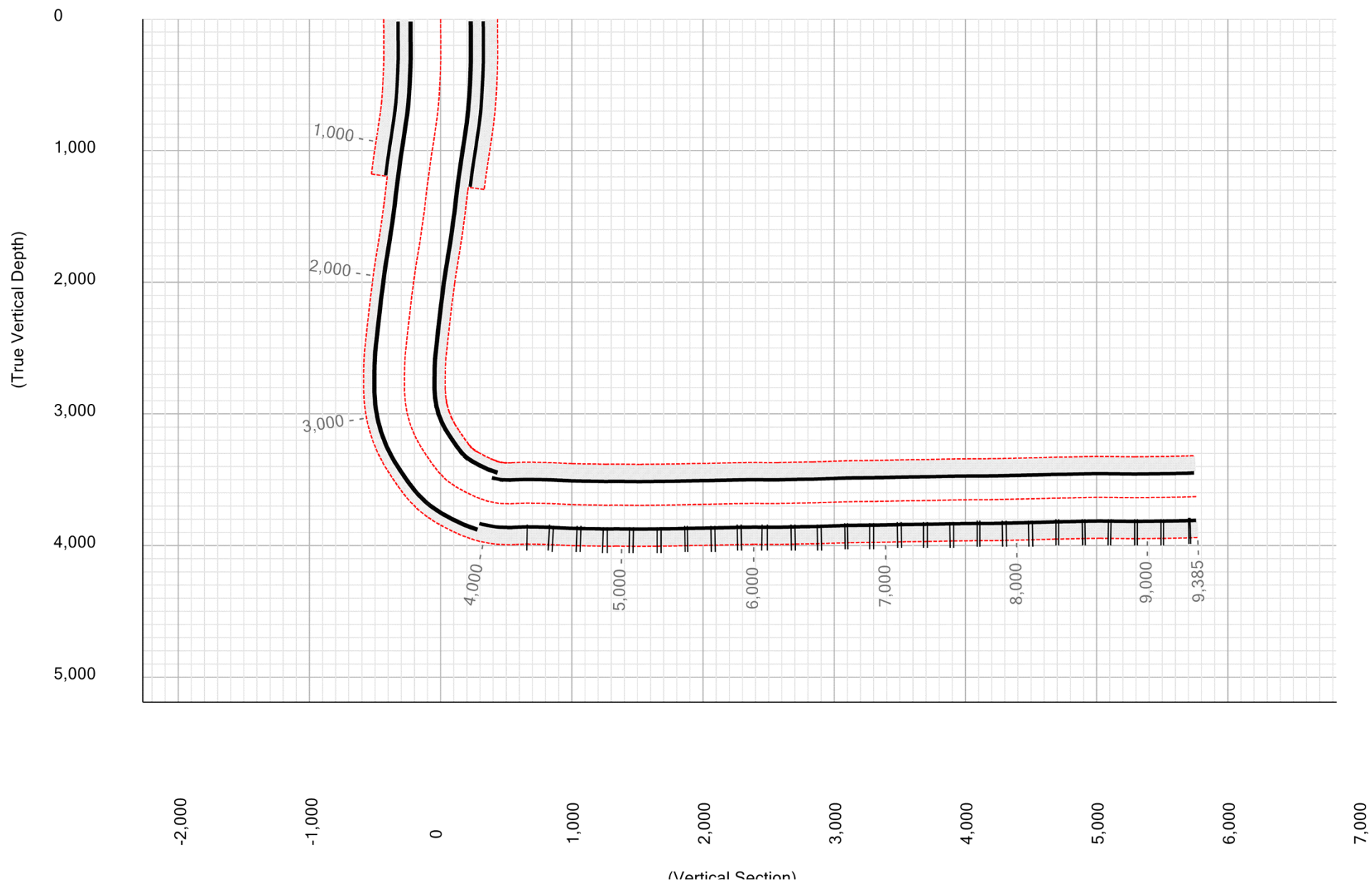


I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **11/25/21** thru **12/01/21** conduct or supervise the taking of a **MWD Survey** from a depth of **222'** to a depth of **9385'**; that the data is true, correct, complete and within 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 **Elvis State Com 29A 003H** API No. **30-015-48184** 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

Elvis 29A State # 3H, 3/22/2022



Elvis 29A State # 3H API # 30-015-48184			
840' FNL & 560' FWL	GL Elev: 3,607.00	KOP:	2,600
Section 28, Township 17S, Range 28E		EOC:	4,131
County, State: Eddy, NM		Fill Depth:	
Aux ID:		PBTD:	9,324.00
'KB' correction: 19.5; All Depths Corr To: KB		TD:	9,373.00
		BOP:	7 1/16" 10M

Hole Size

Diameter	Top At	Btm At	Date Drilled
12.2500	0.00	1,245.00	11/24/2021
8.7500	1,245.00	9,385.00	12/3/2021

Surface Casing

Date Ran: 11/25/2021

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	29	9.6250	36.00	J55	1,218.50	19.50	1,238.00

Production Casing

Date Ran: 11/30/2021

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	75	7.0000	32.00	L80	2,970.70	19.50	2,990.20
Bow Spring every 3rd jt							
Marker Jt	1	7.0000	32.00	L80	15.67	2,990.20	3,005.87
Casing	24	7.0000	32.00	L80	968.35	3,005.87	3,974.22
Bow spring every 3rd jt							
Crossover	1	5.5000	20.00	L80	2.68	3,974.22	3,976.90
Casing	15	5.5000	20.00	L80	685.66	3,976.90	4,662.56
Solid body every 2nd jt							
Float Insert	1	5.5000	20.00	L80	1.23	4,662.56	4,663.79
Casing	22	5.5000	20.00	L80	1,007.88	4,663.79	5,671.67
Solid body every 2nd jt							
Marker Jt	1	5.5000	20.00	L80	22.67	5,671.67	5,694.34
Casing	76	5.5000	20.00	L80	3,471.86	5,694.34	9,166.20
Solid body every 2nd jt							
Marker Jt	1	5.5000	20.00	L80	22.56	9,166.20	9,188.76
Casing	3	5.5000	20.00	L80	135.17	9,188.76	9,323.93
Float Collar	1	5.5000	20.00	L80	1.28	9,323.93	9,325.21
Casing	1	5.5000	20.00	L80	45.76	9,325.21	9,370.97
Float Shoe	1	5.5000	20.00	L80	2.03	9,370.97	9,373.00

Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
0.00	1,245.00	9.625	12.250	Circ	1 - Lead	460	C	13.50
					2 - Tail	150	C	14.80
Circ 77 bbls to surf								
3,974.00	9,385.00	5.500	8.750	Circ	1 - Lead	300	C 25/75	12.20
					2 - Tail	1125	C	14.80
0.00	3,974.00	7.000	8.750	Circ				
Circ 13 bbls to surf								

Zone and Perfs**Perforations**

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
4,282.00	4,456.00	Paddock	A	3/13/2022		4	28
Stage 25. 7 clusters [4-4-4-4-4-4-4]							
4,485.00	4,659.00	Paddock	A	3/13/2022		4	28
Stage 24. 7 clusters [4-4-4-4-4-4-4]							
4,690.00	4,862.00	Paddock	A	3/12/2022		4	28
Stage 23. 7 clusters [4-4-4-4-4-4-4]							
4,891.00	5,065.00	Paddock	A	3/12/2022		4	28
Stage 22. 7 clusters [4-4-4-4-4-4-4]							
5,094.00	5,269.00	Paddock	A	3/12/2022		4	28
Stage 21. 7 clusters [4-4-4-4-4-4-4]							
5,297.00	5,471.00	Paddock	A	3/11/2022		4	28
Stage 20. 7 clusters [4-4-4-4-4-4-4]							
5,500.00	5,674.00	Paddock	A	3/11/2022		4	28
Stage 19. 7 clusters [4-4-4-4-4-4-4]							
5,707.00	5,877.00	Paddock	A	3/10/2022		4	28
Stage 18. 7 clusters [4-4-4-4-4-4-4]							
5,905.00	6,070.00	Paddock	A	3/10/2022		4	28
Stage 17 7 clusters [4-4-4-4-4-4-4]							
6,109.00	6,283.00	Paddock	A	3/10/2022		4	28
Stage 16 7 clusters [4-4-4-4-4-4-4]							
6,312.00	6,486.00	Paddock	A	3/9/2022		4	28
Stage 15 7 clusters [4-4-4-4-4-4-4]							
6,515.00	6,689.00	Paddock	A	3/9/2022		4	28
Stage 14 7 clusters [4-4-4-4-4-4-4]							
6,718.00	6,891.00	Paddock	A	3/9/2022		4	28
Stage 13 7 clusters [4-4-4-4-4-4-4]							
6,921.00	7,095.00	Paddock	A	3/8/2022		4	28
Stage 12 7 clusters [4-4-4-4-4-4-4]							
7,122.00	7,298.00	Paddock	A	3/8/2022		4	28
Stage 11 7 clusters [4-4-4-4-4-4-4]							
7,327.00	7,501.00	Paddock	A	3/7/2022		4	28
Stage 10 7 clusters [4-4-4-4-4-4-4]							
7,530.00	7,707.00	Paddock	A	3/7/2022		3	30
Stage 9 10 clusters [3-3-3-3-3-3-3-3-3-3]							
7,730.00	7,898.00	Paddock	A	3/6/2022		3	30
Stage 8 10 clusters [3-3-3-3-3-3-3-3-3-3]							
7,929.00	8,098.00	Paddock	A	3/6/2022		3	30
Stage 7 10 clusters [3-3-3-3-3-3-3-3-3-3]							
8,130.00	8,310.00	Paddock	A	3/6/2022		3	30
Stage 6 10 clusters [3-3-3-3-3-3-3-3-3-3]							
8,330.00	8,510.00	Paddock	A	3/5/2022		3	30
Stage 5 10 clusters [3-3-3-3-3-3-3-3-3-3]							
8,529.00	8,710.00	Paddock	A	3/5/2022		3	33
Stage 4 10 clusters [3-3-3-3-3-3-3-3-3-6]							

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
8,730.00	8,910.00	Paddock	A	3/4/2022		3	33
Stage 3 10 clusters [3-3-3-3-3-3-3-6]							
8,930.00	9,110.00	Paddock	A	3/4/2022		3	36
Stage 2 10 clusters [3-3-3-3-3-3-3-6-6]							
9,130.00	9,310.00	Paddock	A	3/3/2022		3	36
Stage #1 WL Pump down.							
9,322.00	9,328.00	Paddock	TA	1/5/2022		6	36
TCP for Pump-down							

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 115409

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 115409
	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 115409

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 115409
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	6/9/2022