

|                                                                                                                                                                                                                                                          |                                                                                                            |                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Santa Fe Main Office<br>Phone: (505) 476-3441 Fax: (55) 476-3462<br>General Information<br>Phone: (505) 629-6116<br><br>Online Phone Directory Visit:<br><a href="https://www.emnrd.nm.gov/ocd/contact-us/">https://www.emnrd.nm.gov/ocd/contact-us/</a> | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br><b>OIL CONSERVATION DIVISION</b> | <b>C-104</b><br>Revised July 9, 2024<br><br>Submit Electronically<br>Via OCD Permitting |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

**REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT****Section 1 - Operator and Well Information**

|                                                                                                                                                                                                                                                    |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Submittal Type: <input type="checkbox"/> Test Allowable (C-104RT) <input checked="" type="checkbox"/> New Well (C-104NW) <input type="checkbox"/> Recomplete (C-104RC) <input type="checkbox"/> Pay Add (C-104RC) <input type="checkbox"/> Amended |                          |
| Operator Name: Longfellow Energy, LP                                                                                                                                                                                                               | OGRID: 372210            |
| Property Name and Well Number: Marley State Com 31 CD 002H                                                                                                                                                                                         | Property Code: 335193    |
| Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal                                                                                             | API Number: 30-015-54604 |
| Pool Name: Red Lake; Glorieta-Yeso, Northeast                                                                                                                                                                                                      | Pool Code: 96836         |

**Section 2 – Surface Location**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude   | Longitude    | County |
|----|---------|----------|-------|-----|--------------|--------------|------------|--------------|--------|
| I  | 36      | 17S      | 27E   |     | 2380 FSL     | 1208 FEL     | 32.7898395 | -104.2274735 | Eddy   |

**Section 3 – Completion Information**

| Producing Method | Ready Date | Perforations MD | Perforations TVD |
|------------------|------------|-----------------|------------------|
| Pumping          | 9-5-2024   | 4846' - 9951'   | 4281'-4434'      |

**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): 378476                                                                                       | Communitization Agreement <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. 205022                                   |
| Surface Casing Action ID: 367652                                                                                              | Unit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                                              |
| Intermediate 1 Casing Action ID: 367652                                                                                       | Compulsory Pooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. R-22543                                        |
| Intermediate 2 Casing Action ID: 367652                                                                                       | Down Hole Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                             |
| Production Casing Action ID: 367652                                                                                           | Surface Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. CTB-1117                                      |
| All casing was pressure tested in accordance with NMAC<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Non-standard Location: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Common ownership<br>Order No. |
| Liner 1 Action ID:                                                                                                            | Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                            |
| Casing was installed prior to OCD's Action ID system (Y/N): N                                                                 | Simultaneous Dedication: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.                                           |

**Section 5 - Operator Signature and Certification**

|                                                                                                                                                                                                                                |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.                                                                            |                   |
| <input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.                                                                        |                   |
| <input checked="" type="checkbox"/> 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<br>David Cain                                                                                                                                                                                                             |                   |
| Title<br>Sr Engineering Technologist & Regulatory Specialist                                                                                                                                                                   | Date<br>12/2/2024 |



December 2, 2024

NMOCD  
1220 South St Francis Drive  
Santa Fe, NM 87505

Re: Marley State Com 31 CD 002H Tight Hole Status 30-015-54604

Hello,

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in forms C-105 & C-104NW confidential.

Best Regards,

A handwritten signature in blue ink, appearing to read 'David Cain'.

David Cain  
Engineering Technologist & Regulatory Specialist  
Longfellow Energy, LP  
972-590-9918  
[david.cain@longfellowenergy.com](mailto:david.cain@longfellowenergy.com)

|                                             |                                                                                                     |                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Submit Electronically<br>Via OCD Permitting | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br>OIL CONSERVATION DIVISION | Revised July 2023 of 13                                                                                                                 |
|                                             | Submittal Type:                                                                                     | <input type="checkbox"/> Initial Submittal<br><input type="checkbox"/> Amended Report<br><input checked="" type="checkbox"/> As Drilled |
|                                             |                                                                                                     |                                                                                                                                         |

## WELL LOCATION INFORMATION

|                                                                                                                                                        |                                      |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number 30-015-54604                                                                                                                                | Pool Code 96836                      | Pool Name Red Lake; Glorieta-Yeso, Northeast                                                                                                           |
| Property Code 335193                                                                                                                                   | Property Name MARLEY STATE COM 31 CD | Well Number 002H                                                                                                                                       |
| OGRID No. 372210                                                                                                                                       | Operator Name LONGFELLOW ENERGY, LP  | Ground Level Elevation 3651.4                                                                                                                          |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                      | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

## Surface Location

|      |            |               |            |     |                         |                        |                       |                         |             |
|------|------------|---------------|------------|-----|-------------------------|------------------------|-----------------------|-------------------------|-------------|
| UL I | Section 36 | Township 17 S | Range 27 E | Lot | Ft. from N/S 2380 SOUTH | Ft. from E/W 1208 EAST | Latitude 32.7898395°N | Longitude 104.2274735°W | County EDDY |
|------|------------|---------------|------------|-----|-------------------------|------------------------|-----------------------|-------------------------|-------------|

## Bottom Hole Location

|      |            |               |            |     |                         |                      |                       |                         |             |
|------|------------|---------------|------------|-----|-------------------------|----------------------|-----------------------|-------------------------|-------------|
| UL I | Section 31 | Township 17 S | Range 28 E | Lot | Ft. from N/S 1768 SOUTH | Ft. from E/W 27 EAST | Latitude 32.7883912°N | Longitude 104.2063558°W | County EDDY |
|------|------------|---------------|------------|-----|-------------------------|----------------------|-----------------------|-------------------------|-------------|

|                        |                         |                                |                                                                                                    |                      |
|------------------------|-------------------------|--------------------------------|----------------------------------------------------------------------------------------------------|----------------------|
| Dedicated Acres 327.43 | Infill or Defining Well | Defining Well API 30-015-54605 | Overlapping Spacing Unit (Y/N) N                                                                   | Consolidation Code C |
| Order Numbers.         |                         |                                | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No |                      |

## Kick Off Point (KOP)

|      |            |               |            |     |                         |                       |                       |                         |             |
|------|------------|---------------|------------|-----|-------------------------|-----------------------|-----------------------|-------------------------|-------------|
| UL I | Section 36 | Township 17 S | Range 27 E | Lot | Ft. from N/S 1794 SOUTH | Ft. from E/W 827 EAST | Latitude 32.7882167°N | Longitude 104.2262260°W | County EDDY |
|------|------------|---------------|------------|-----|-------------------------|-----------------------|-----------------------|-------------------------|-------------|

## First Take Point (FTP)

|    |            |               |            |       |                         |                       |                       |                         |             |
|----|------------|---------------|------------|-------|-------------------------|-----------------------|-----------------------|-------------------------|-------------|
| UL | Section 31 | Township 17 S | Range 28 E | Lot 3 | Ft. from N/S 1789 SOUTH | Ft. from E/W 100 WEST | Latitude 32.7881834°N | Longitude 104.2232065°W | County EDDY |
|----|------------|---------------|------------|-------|-------------------------|-----------------------|-----------------------|-------------------------|-------------|

## Last Take Point (LTP)

|      |            |               |            |     |                         |                       |                       |                         |             |
|------|------------|---------------|------------|-----|-------------------------|-----------------------|-----------------------|-------------------------|-------------|
| UL I | Section 31 | Township 17 S | Range 28 E | Lot | Ft. from N/S 1766 SOUTH | Ft. from E/W 100 EAST | Latitude 32.7883831°N | Longitude 104.2065930°W | County EDDY |
|------|------------|---------------|------------|-----|-------------------------|-----------------------|-----------------------|-------------------------|-------------|

|                                           |                                                                                                    |                         |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------|
| Unitized Area or Area of Uniform Interest | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation: |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------|

## 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.

 8-26-2024  
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

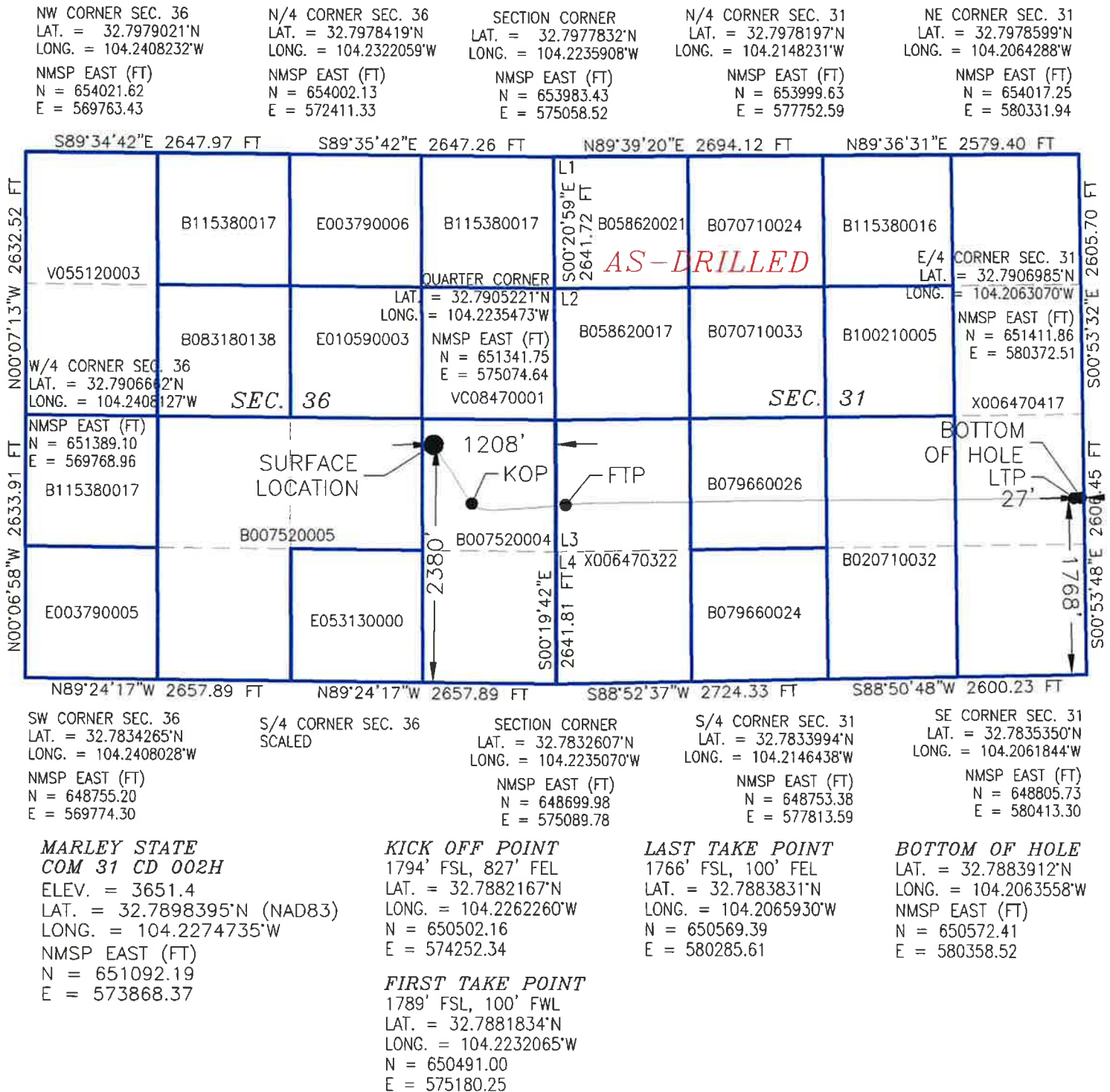
AUGUST 28, 2024

SURVEY NO. 9501B

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.





# Longfellow Energy

Eddy Co., NM (Nad-83)  
MARLEY STATE COM 31 CD  
002H

Wellbore #1

Design: Wellbore #1

## Standard Survey Report

31 March, 2024



## Survey Report

|                  |                        |                                     |                                       |
|------------------|------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Longfellow Energy      | <b>Local Co-ordinate Reference:</b> | Well 002H                             |
| <b>Project:</b>  | Eddy Co., NM (Nad-83)  | <b>TVD Reference:</b>               | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Site:</b>     | MARLEY STATE COM 31 CD | <b>MD Reference:</b>                | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Well:</b>     | 002H                   | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Wellbore #1            | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Wellbore #1            | <b>Database:</b>                    | WBDS_SQL_3                            |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy Co., NM (Nad-83)     |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                      |                |

|                       |                        |              |                 |            |             |
|-----------------------|------------------------|--------------|-----------------|------------|-------------|
| Site                  | MARLEY STATE COM 31 CD |              |                 |            |             |
| Site Position:        |                        | Northing:    | 651,132.39 usft | Latitude:  | 32.789950   |
| From:                 | Lat/Long               | Easting:     | 573,868.18 usft | Longitude: | -104.227474 |
| Position Uncertainty: | 0.00 usft              | Slot Radius: | 13.200 in       |            |             |

|                      |         |           |                     |                 |               |               |
|----------------------|---------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | 002H    |           |                     |                 |               |               |
| Well Position        | +N/-S   | 0.00 usft | Northing:           | 651,092.19 usft | Latitude:     | 32.789840     |
|                      | +E/-W   | 0.00 usft | Easting:            | 573,868.37 usft | Longitude:    | -104.227474   |
| Position Uncertainty |         | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,651.40 usft |
| Grid Convergence:    | 0.057 ° |           |                     |                 |               |               |

|                          |                                    |                         |                         |                          |      |
|--------------------------|------------------------------------|-------------------------|-------------------------|--------------------------|------|
| <b>Design</b>            | Wellbore #1                        |                         |                         |                          |      |
| <b>Audit Notes:</b>      |                                    |                         |                         |                          |      |
| <b>Version:</b>          | 1.0                                | <b>Phase:</b>           | ACTUAL                  | <b>Tie On Depth:</b>     | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)<br/>(usft)</b> | <b>+N/-S<br/>(usft)</b> | <b>+E/-W<br/>(usft)</b> | <b>Direction<br/>(°)</b> |      |
|                          | 0.00                               | 0.00                    | 0.00                    | 89.02                    |      |

|                        |                      |                          |                   |                                         |  |
|------------------------|----------------------|--------------------------|-------------------|-----------------------------------------|--|
| <b>Survey Program</b>  | <b>Date</b>          | 03/31/24                 |                   |                                         |  |
| <b>From<br/>(usft)</b> | <b>To<br/>(usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>  | <b>Description</b>                      |  |
| 12.20                  | 5,620.00             | Survey #1 (Wellbore #1)  | MWD+IFR1+SAG+FDIR | OWSG MWD + IFR1 + Sag + FDIR Correction |  |
| 5,716.00               | 10,026.00            | Survey #2 (Wellbore #1)  | MWD+IFR1+SAG      | OWSG MWD + IFR1 + Sag Correction        |  |

|                                      |                            |                        |                                      |                         |                         |                                        |                                      |                                     |                                    |
|--------------------------------------|----------------------------|------------------------|--------------------------------------|-------------------------|-------------------------|----------------------------------------|--------------------------------------|-------------------------------------|------------------------------------|
| <b>Survey</b>                        |                            |                        |                                      |                         |                         |                                        |                                      |                                     |                                    |
| <b>Measured<br/>Depth<br/>(usft)</b> | <b>Inclination<br/>(°)</b> | <b>Azimuth<br/>(°)</b> | <b>Vertical<br/>Depth<br/>(usft)</b> | <b>+N/-S<br/>(usft)</b> | <b>+E/-W<br/>(usft)</b> | <b>Vertical<br/>Section<br/>(usft)</b> | <b>Dogleg<br/>Rate<br/>(°/100ft)</b> | <b>Build<br/>Rate<br/>(°/100ft)</b> | <b>Turn<br/>Rate<br/>(°/100ft)</b> |
| 0.00                                 | 0.00                       | 0.00                   | 0.00                                 | 0.00                    | 0.00                    | 0.00                                   | 0.00                                 | 0.00                                | 0.00                               |
| 12.20                                | 0.00                       | 0.00                   | 12.20                                | 0.00                    | 0.00                    | 0.00                                   | 0.00                                 | 0.00                                | 0.00                               |
| 142.20                               | 0.55                       | 320.59                 | 142.20                               | 0.48                    | -0.40                   | -0.39                                  | 0.42                                 | 0.42                                | 0.00                               |
| 198.20                               | 0.56                       | 315.73                 | 198.20                               | 0.89                    | -0.76                   | -0.74                                  | 0.09                                 | 0.02                                | -8.68                              |
| 292.20                               | 0.16                       | 127.35                 | 292.19                               | 1.14                    | -0.97                   | -0.95                                  | 0.76                                 | -0.43                               | 182.57                             |
| 386.20                               | 2.22                       | 145.39                 | 386.17                               | -0.44                   | 0.16                    | 0.16                                   | 2.20                                 | 2.19                                | 19.19                              |
| 575.20                               | 6.23                       | 145.18                 | 574.62                               | -11.88                  | 8.10                    | 7.90                                   | 2.12                                 | 2.12                                | -0.11                              |
| 699.20                               | 7.98                       | 148.18                 | 697.66                               | -24.72                  | 16.48                   | 16.06                                  | 1.44                                 | 1.41                                | 2.42                               |
| 764.20                               | 9.86                       | 150.24                 | 761.87                               | -33.38                  | 21.63                   | 21.05                                  | 2.93                                 | 2.89                                | 3.17                               |
| 858.20                               | 11.57                      | 147.51                 | 854.23                               | -48.32                  | 30.68                   | 29.85                                  | 1.90                                 | 1.82                                | -2.90                              |
| 953.20                               | 13.19                      | 148.00                 | 947.02                               | -65.55                  | 41.55                   | 40.42                                  | 1.71                                 | 1.71                                | 0.52                               |
| 1,047.20                             | 13.27                      | 148.83                 | 1,038.52                             | -83.88                  | 52.81                   | 51.37                                  | 0.22                                 | 0.09                                | 0.88                               |
| 1,172.20                             | 13.51                      | 148.80                 | 1,160.12                             | -108.64                 | 67.80                   | 65.93                                  | 0.19                                 | 0.19                                | -0.02                              |
| 1,236.20                             | 13.03                      | 147.92                 | 1,222.42                             | -121.15                 | 75.51                   | 73.42                                  | 0.81                                 | -0.75                               | -1.37                              |
| 1,384.00                             | 13.36                      | 149.63                 | 1,366.31                             | -150.00                 | 92.99                   | 90.41                                  | 0.35                                 | 0.22                                | 1.16                               |



## Survey Report

|                  |                        |                                     |                                       |
|------------------|------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Longfellow Energy      | <b>Local Co-ordinate Reference:</b> | Well 002H                             |
| <b>Project:</b>  | Eddy Co., NM (Nad-83)  | <b>TVD Reference:</b>               | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Site:</b>     | MARLEY STATE COM 31 CD | <b>MD Reference:</b>                | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Well:</b>     | 002H                   | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Wellbore #1            | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Wellbore #1            | <b>Database:</b>                    | 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| 1,479.00              | 14.65           | 146.35      | 1,458.49              | -169.47      | 105.20       | 102.28                  | 1.59                  | 1.36                 | -3.45               |
| 1,573.00              | 14.25           | 142.40      | 1,549.52              | -188.53      | 118.84       | 115.60                  | 1.13                  | -0.43                | -4.20               |
| 1,668.00              | 16.16           | 144.09      | 1,641.19              | -208.51      | 133.73       | 130.15                  | 2.06                  | 2.01                 | 1.78                |
| 1,763.00              | 17.32           | 143.15      | 1,732.16              | -230.53      | 149.97       | 146.00                  | 1.25                  | 1.22                 | -0.99               |
| 1,857.00              | 16.54           | 141.51      | 1,822.09              | -252.20      | 166.69       | 162.35                  | 0.97                  | -0.83                | -1.74               |
| 1,952.00              | 15.70           | 146.44      | 1,913.36              | -273.50      | 182.21       | 177.50                  | 1.69                  | -0.88                | 5.19                |
| 2,047.00              | 15.61           | 151.54      | 2,004.84              | -295.45      | 195.41       | 190.32                  | 1.45                  | -0.09                | 5.37                |
| 2,141.00              | 15.21           | 151.04      | 2,095.46              | -317.35      | 207.40       | 201.94                  | 0.45                  | -0.43                | -0.53               |
| 2,235.00              | 14.87           | 149.96      | 2,186.24              | -338.58      | 219.41       | 213.59                  | 0.47                  | -0.36                | -1.15               |
| 2,330.00              | 14.19           | 150.02      | 2,278.20              | -359.22      | 231.33       | 225.15                  | 0.72                  | -0.72                | 0.06                |
| 2,424.00              | 13.99           | 150.29      | 2,369.37              | -379.07      | 242.72       | 236.20                  | 0.22                  | -0.21                | 0.29                |
| 2,517.00              | 13.79           | 149.31      | 2,459.65              | -398.37      | 253.95       | 247.10                  | 0.33                  | -0.22                | -1.05               |
| 2,611.00              | 13.62           | 149.82      | 2,550.97              | -417.57      | 265.23       | 258.05                  | 0.22                  | -0.18                | 0.54                |
| 2,705.00              | 13.44           | 146.77      | 2,642.37              | -436.27      | 276.78       | 269.28                  | 0.78                  | -0.19                | -3.24               |
| 2,798.00              | 13.44           | 147.12      | 2,732.82              | -454.39      | 288.57       | 280.76                  | 0.09                  | 0.00                 | 0.38                |
| 2,891.00              | 13.15           | 147.39      | 2,823.33              | -472.38      | 300.14       | 292.02                  | 0.32                  | -0.31                | 0.29                |
| 2,985.00              | 13.09           | 147.95      | 2,914.87              | -490.41      | 311.55       | 303.12                  | 0.15                  | -0.06                | 0.60                |
| 3,079.00              | 14.70           | 145.18      | 3,006.12              | -509.22      | 324.01       | 315.25                  | 1.85                  | 1.71                 | -2.95               |
| 3,173.00              | 15.38           | 143.60      | 3,096.90              | -529.05      | 338.22       | 329.12                  | 0.84                  | 0.72                 | -1.68               |
| 3,267.00              | 15.60           | 143.48      | 3,187.49              | -549.24      | 353.14       | 343.69                  | 0.24                  | 0.23                 | -0.13               |
| 3,361.00              | 15.85           | 143.44      | 3,277.97              | -569.71      | 368.31       | 358.51                  | 0.27                  | 0.27                 | -0.04               |
| 3,455.00              | 16.07           | 141.38      | 3,368.35              | -590.18      | 384.07       | 373.92                  | 0.65                  | 0.23                 | -2.19               |
| 3,548.00              | 19.62           | 127.87      | 3,456.89              | -609.84      | 404.45       | 393.96                  | 5.84                  | 3.82                 | -14.53              |
| 3,643.00              | 22.32           | 115.84      | 3,545.64              | -627.50      | 433.29       | 422.50                  | 5.34                  | 2.84                 | -12.66              |
| 3,738.00              | 26.29           | 105.01      | 3,632.24              | -640.83      | 469.88       | 458.85                  | 6.27                  | 4.18                 | -11.40              |
| 3,832.00              | 31.16           | 98.04       | 3,714.67              | -649.63      | 514.11       | 502.92                  | 6.28                  | 5.18                 | -7.41               |
| 3,927.00              | 35.79           | 92.65       | 3,793.91              | -654.35      | 566.23       | 554.96                  | 5.79                  | 4.87                 | -5.67               |
| 4,021.00              | 40.22           | 88.45       | 3,867.97              | -654.80      | 624.07       | 612.78                  | 5.45                  | 4.71                 | -4.47               |
| 4,115.00              | 44.62           | 86.74       | 3,937.35              | -652.10      | 687.40       | 676.14                  | 4.84                  | 4.68                 | -1.82               |
| 4,209.00              | 50.13           | 85.99       | 4,000.98              | -647.70      | 756.39       | 745.21                  | 5.89                  | 5.86                 | -0.80               |
| 4,304.00              | 54.84           | 86.06       | 4,058.82              | -642.48      | 831.55       | 820.44                  | 4.96                  | 4.96                 | 0.07                |
| 4,398.00              | 58.26           | 85.86       | 4,110.62              | -636.95      | 909.77       | 898.74                  | 3.64                  | 3.64                 | -0.21               |
| 4,491.00              | 58.62           | 85.62       | 4,159.30              | -631.07      | 988.80       | 977.86                  | 0.45                  | 0.39                 | -0.26               |
| 4,585.00              | 59.53           | 85.00       | 4,207.61              | -624.47      | 1,069.16     | 1,058.32                | 1.12                  | 0.97                 | -0.66               |
| 4,679.00              | 69.68           | 84.70       | 4,247.87              | -616.85      | 1,153.62     | 1,142.90                | 10.80                 | 10.80                | -0.32               |
| 4,774.00              | 80.76           | 84.31       | 4,272.07              | -608.06      | 1,244.91     | 1,234.33                | 11.67                 | 11.66                | -0.41               |
| 4,868.00              | 88.36           | 84.29       | 4,280.97              | -598.77      | 1,337.96     | 1,327.52                | 8.09                  | 8.09                 | -0.02               |
| 4,962.00              | 88.53           | 86.21       | 4,283.52              | -590.99      | 1,431.60     | 1,421.28                | 2.05                  | 0.18                 | 2.04                |
| 5,056.00              | 88.48           | 86.50       | 4,285.97              | -585.02      | 1,525.38     | 1,515.15                | 0.31                  | -0.05                | 0.31                |
| 5,149.00              | 88.42           | 88.76       | 4,288.49              | -581.17      | 1,618.26     | 1,608.08                | 2.43                  | -0.06                | 2.43                |
| 5,244.00              | 88.81           | 89.96       | 4,290.79              | -580.11      | 1,713.22     | 1,703.05                | 1.33                  | 0.41                 | 1.26                |
| 5,338.00              | 89.15           | 89.82       | 4,292.46              | -579.93      | 1,807.21     | 1,797.02                | 0.39                  | 0.36                 | -0.15               |
| 5,432.00              | 88.53           | 89.83       | 4,294.36              | -579.64      | 1,901.19     | 1,890.99                | 0.66                  | -0.66                | 0.01                |



## Survey Report

|                  |                        |                                     |                                       |
|------------------|------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Longfellow Energy      | <b>Local Co-ordinate Reference:</b> | Well 002H                             |
| <b>Project:</b>  | Eddy Co., NM (Nad-83)  | <b>TVD Reference:</b>               | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Site:</b>     | MARLEY STATE COM 31 CD | <b>MD Reference:</b>                | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Well:</b>     | 002H                   | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Wellbore #1            | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Wellbore #1            | <b>Database:</b>                    | 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| 5,526.00              | 88.14           | 89.25       | 4,297.09              | -578.89      | 1,995.14     | 1,984.95                | 0.74                  | -0.41                | -0.62               |
| 5,620.00              | 88.39           | 88.75       | 4,299.94              | -577.25      | 2,089.08     | 2,078.91                | 0.59                  | 0.27                 | -0.53               |
| 5,808.00              | 88.33           | 89.76       | 4,305.32              | -574.81      | 2,276.99     | 2,266.83                | 0.54                  | -0.03                | 0.54                |
| 5,903.00              | 89.90           | 89.68       | 4,306.79              | -574.34      | 2,371.97     | 2,361.80                | 1.65                  | 1.65                 | -0.08               |
| 5,996.00              | 88.89           | 89.12       | 4,307.77              | -573.37      | 2,464.96     | 2,454.79                | 1.24                  | -1.09                | -0.60               |
| 6,091.00              | 87.44           | 88.43       | 4,310.81              | -571.34      | 2,559.89     | 2,549.74                | 1.69                  | -1.53                | -0.73               |
| 6,186.00              | 86.34           | 88.83       | 4,315.97              | -569.07      | 2,654.72     | 2,644.60                | 1.23                  | -1.16                | 0.42                |
| 6,280.00              | 86.43           | 88.49       | 4,321.89              | -566.88      | 2,748.51     | 2,738.41                | 0.37                  | 0.10                 | -0.36               |
| 6,374.00              | 86.34           | 88.47       | 4,327.82              | -564.39      | 2,842.29     | 2,832.22                | 0.10                  | -0.10                | -0.02               |
| 6,467.00              | 86.54           | 88.30       | 4,333.59              | -561.77      | 2,935.07     | 2,925.03                | 0.28                  | 0.22                 | -0.18               |
| 6,557.00              | 87.52           | 88.47       | 4,338.26              | -559.24      | 3,024.91     | 3,014.91                | 1.11                  | 1.09                 | 0.19                |
| 6,648.00              | 88.47           | 88.97       | 4,341.44              | -557.21      | 3,115.83     | 3,105.85                | 1.18                  | 1.04                 | 0.55                |
| 6,739.00              | 88.05           | 88.90       | 4,344.20              | -555.52      | 3,206.78     | 3,196.80                | 0.47                  | -0.46                | -0.08               |
| 6,830.00              | 89.34           | 90.05       | 4,346.28              | -554.68      | 3,297.74     | 3,287.77                | 1.90                  | 1.42                 | 1.26                |
| 6,919.00              | 89.87           | 90.01       | 4,346.89              | -554.73      | 3,386.74     | 3,376.76                | 0.60                  | 0.60                 | -0.04               |
| 7,010.00              | 89.42           | 89.19       | 4,347.45              | -554.10      | 3,477.74     | 3,467.75                | 1.03                  | -0.49                | -0.90               |
| 7,100.00              | 89.23           | 89.35       | 4,348.51              | -552.95      | 3,567.72     | 3,557.74                | 0.28                  | -0.21                | 0.18                |
| 7,190.00              | 86.96           | 89.65       | 4,351.51              | -552.16      | 3,657.66     | 3,647.69                | 2.54                  | -2.52                | 0.33                |
| 7,281.00              | 86.42           | 89.70       | 4,356.76              | -551.65      | 3,748.51     | 3,738.53                | 0.60                  | -0.59                | 0.05                |
| 7,375.00              | 87.46           | 89.40       | 4,361.78              | -550.91      | 3,842.37     | 3,832.39                | 1.15                  | 1.11                 | -0.32               |
| 7,469.00              | 88.02           | 89.14       | 4,365.48              | -549.71      | 3,936.29     | 3,926.31                | 0.66                  | 0.60                 | -0.28               |
| 7,564.00              | 88.75           | 89.03       | 4,368.16              | -548.20      | 4,031.24     | 4,021.27                | 0.78                  | 0.77                 | -0.12               |
| 7,658.00              | 88.19           | 89.38       | 4,370.67              | -546.89      | 4,125.20     | 4,115.24                | 0.70                  | -0.60                | 0.37                |
| 7,752.00              | 88.16           | 89.24       | 4,373.67              | -545.76      | 4,219.14     | 4,209.19                | 0.15                  | -0.03                | -0.15               |
| 7,847.00              | 88.16           | 90.16       | 4,376.72              | -545.27      | 4,314.09     | 4,304.13                | 0.97                  | 0.00                 | 0.97                |
| 7,941.00              | 88.44           | 90.38       | 4,379.50              | -545.71      | 4,408.05     | 4,398.07                | 0.38                  | 0.30                 | 0.23                |
| 8,036.00              | 88.81           | 89.84       | 4,381.78              | -545.89      | 4,503.02     | 4,493.03                | 0.69                  | 0.39                 | -0.57               |
| 8,130.00              | 88.44           | 89.56       | 4,384.04              | -545.40      | 4,596.99     | 4,586.99                | 0.49                  | -0.39                | -0.30               |
| 8,225.00              | 88.67           | 89.09       | 4,386.44              | -544.28      | 4,691.96     | 4,681.96                | 0.55                  | 0.24                 | -0.49               |
| 8,320.00              | 87.82           | 90.03       | 4,389.34              | -543.55      | 4,786.91     | 4,776.91                | 1.33                  | -0.89                | 0.99                |
| 8,414.00              | 87.91           | 89.52       | 4,392.85              | -543.18      | 4,880.84     | 4,870.84                | 0.55                  | 0.10                 | -0.54               |
| 8,508.00              | 88.08           | 90.04       | 4,396.14              | -542.82      | 4,974.78     | 4,964.77                | 0.58                  | 0.18                 | 0.55                |
| 8,603.00              | 88.02           | 89.70       | 4,399.37              | -542.61      | 5,069.73     | 5,059.70                | 0.36                  | -0.06                | -0.36               |
| 8,698.00              | 88.75           | 89.03       | 4,402.05              | -541.55      | 5,164.68     | 5,154.66                | 1.04                  | 0.77                 | -0.71               |
| 8,791.00              | 87.88           | 89.39       | 4,404.78              | -540.27      | 5,257.63     | 5,247.62                | 1.01                  | -0.94                | 0.39                |
| 8,886.00              | 88.22           | 88.97       | 4,408.01              | -538.91      | 5,352.57     | 5,342.57                | 0.57                  | 0.36                 | -0.44               |
| 8,979.00              | 88.92           | 88.11       | 4,410.33              | -536.54      | 5,445.51     | 5,435.53                | 1.19                  | 0.75                 | -0.92               |
| 9,073.00              | 86.76           | 89.02       | 4,413.88              | -534.19      | 5,539.40     | 5,529.46                | 2.49                  | -2.30                | 0.97                |
| 9,168.00              | 87.32           | 90.12       | 4,418.78              | -533.48      | 5,634.27     | 5,624.32                | 1.30                  | 0.59                 | 1.16                |
| 9,262.00              | 87.91           | 89.81       | 4,422.69              | -533.42      | 5,728.19     | 5,718.23                | 0.71                  | 0.63                 | -0.33               |
| 9,355.00              | 88.50           | 89.23       | 4,425.61              | -532.64      | 5,821.14     | 5,811.18                | 0.89                  | 0.63                 | -0.62               |
| 9,449.00              | 88.72           | 90.27       | 4,427.89              | -532.23      | 5,915.11     | 5,905.14                | 1.13                  | 0.23                 | 1.11                |
| 9,543.00              | 89.53           | 90.00       | 4,429.32              | -532.45      | 6,009.10     | 5,999.11                | 0.91                  | 0.86                 | -0.29               |



## Survey Report

|                  |                        |                                     |                                       |
|------------------|------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Longfellow Energy      | <b>Local Co-ordinate Reference:</b> | Well 002H                             |
| <b>Project:</b>  | Eddy Co., NM (Nad-83)  | <b>TVD Reference:</b>               | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Site:</b>     | MARLEY STATE COM 31 CD | <b>MD Reference:</b>                | RKB = 20.2' @ 3671.60usft (AKITA 523) |
| <b>Well:</b>     | 002H                   | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Wellbore #1            | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Wellbore #1            | <b>Database:</b>                    | 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| 9,638.00              | 88.58           | 89.27       | 4,430.89              | -531.85      | 6,104.08     | 6,094.09                | 1.26                  | -1.00                | -0.77               |
| 9,732.00              | 88.97           | 88.76       | 4,432.90              | -530.23      | 6,198.04     | 6,188.07                | 0.68                  | 0.41                 | -0.54               |
| 9,826.00              | 89.59           | 88.10       | 4,434.08              | -527.66      | 6,292.00     | 6,282.06                | 0.96                  | 0.66                 | -0.70               |
| 9,921.00              | 90.46           | 87.75       | 4,434.04              | -524.22      | 6,386.94     | 6,377.04                | 0.99                  | 0.92                 | -0.37               |
| 9,953.00              | 90.88           | 87.63       | 4,433.66              | -522.93      | 6,418.91     | 6,409.03                | 1.37                  | 1.31                 | -0.37               |
| 10,026.00             | 90.88           | 87.63       | 4,432.54              | -519.91      | 6,491.84     | 6,482.00                | 0.00                  | 0.00                 | 0.00                |

## Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                                   |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                                           |
| 10,026.00             | 4,432.54              | -519.91           | 6,491.84     | Projection to Bit: 10026.00' MD/ 4432.49' TVD             |
| 10,026.00             | 4,432.54              | -519.91           | 6,491.84     | Final Station Closure Distance= 6512.59 /Direction= 94.58 |
| 10,026.00             | 4,432.54              | -519.91           | 6,491.84     | TD: Latitude= 32.788392 / Longitude= -104.206350          |
| 10,026.00             | 4,432.54              | -519.91           | 6,491.84     | TD: Y= 650572.67 / X= 580360.20                           |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

|                                                                                                                                                                                                                                                                                                   |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Submittal Type: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepening <input type="checkbox"/> Plugback <input type="checkbox"/> Different Reservoir <input type="checkbox"/> C-144 Closure Attachment <input type="checkbox"/> Other |                          |
| Operator Name: Longfellow Energy, LP                                                                                                                                                                                                                                                              | OGRID: 372210            |
| Property Name and Well Number: Marley State Com 31 CD 002H                                                                                                                                                                                                                                        | Property Code: 335193    |
| Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal                                                                                                                                            | API Number: 30-015-54604 |
| Pool Name: Red Lake; Glorieta-Yeso, Northeast                                                                                                                                                                                                                                                     | Pool Code: 96836         |

| Section 2 – Well Location |               |         |          |       |        |           |          |           |          |        |
|---------------------------|---------------|---------|----------|-------|--------|-----------|----------|-----------|----------|--------|
|                           | Ul or lot no. | Section | Township | Range | Lot Id | Feet from | N/S Line | Feet from | E/W Line | County |
| SHL:                      | I             | 36      | 17S      | 27E   |        | 2380      | South    | 1208      | East     | Eddy   |
| BHL                       | I             | 31      | 17S      | 28E   |        | 1768      | South    | 27        | East     | Eddy   |

Section 3 – Completion Information

|                                |                                                          |                                           |                                                                                                                         |
|--------------------------------|----------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Date T.D. Reached<br>3/30/2024 | Total Measured Depth of Well<br>10026'                   | Acid Volume (bbls)<br>70398               | <input checked="" type="checkbox"/> Directional Survey Submitted<br><input type="checkbox"/> Deviation Survey Submitted |
| Date Rig Released<br>3/31/2024 | Plug-Back Measured Depth<br>9984'                        | Completion Fluid Used (bbls)<br>376864    | Were Logs Ran (Y/N)<br>Y                                                                                                |
| Completion Date<br>8/12/2024   | Perforations (MD and TVD)<br>4846'-9951' M 4281'-4434' V | Completion Proppant Used (lbs)<br>6081620 | List Type of Logs Ran if applicable:<br>Mudlog and GR                                                                   |

Section 4 – Action IDs for Submissions and Order Numbers

|                                         |                                                                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Surface Casing Action ID: 367640        | UIC Permit/Order (UIC wells only) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.           |
| Intermediate 1 Casing Action ID: 367640 | NOI Recomplete Action ID (if applicable):                                                                                  |
| Intermediate 2 Casing Action ID: 367640 | NOI Plugback Action ID (if applicable):                                                                                    |
| Production Casing Action ID: 367640     | Cement Squeeze Action ID (if applicable):                                                                                  |
| Tubing Action ID: 373790                | All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Liner 1 Action ID:                      | Casing was installed prior to Action ID system (Y/N): N                                                                    |

Section 5 – Test Data

|                                    |                              |                                |                          |
|------------------------------------|------------------------------|--------------------------------|--------------------------|
| Date First Production<br>9/29/2024 | Production Method<br>Pumping | Well Status<br>Active          | Gas – Oil Ratio<br>N/A   |
| Date of Test<br>12/1/2024          | Choke Size<br>64/64          | Flowing Tubing Pressure<br>240 | Casing Pressure<br>23    |
| 24 hr Oil (bbls)<br>0              | 24 hr Gas (MCF)<br>20        | 24 hr Water (bbls)<br>2826     | Oil Gravity - API<br>N/A |
| Disposition of Gas: Flared         |                              |                                |                          |

Section 6 – Pits

☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.  
☒ A Closed Loop System was used.  
☐ If an on-site burial was used at the well, report the exact location of the on-site burial:  
LAT: \_\_\_\_\_ LONG: \_\_\_\_\_

Section 7 - Operator Signature and Certification

|                                                                                                                                                                                                                                |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well’s completion.                                                                            |                |
| <input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well’s completion.                                                                        |                |
| <input checked="" type="checkbox"/> 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 12/9/2024 |

| South Formations    |      |      |       | North Formations   |    |     |       |
|---------------------|------|------|-------|--------------------|----|-----|-------|
| Formation/Zone      | MD   | TVD  | W/O/G | Formation/Zone     | MD | TVD | W/O/G |
| T. Anhy             | 200  | 200  |       | T. San Jose        |    |     |       |
| T. Salt             | 260  | 260  |       | T. Nacimiento      |    |     |       |
| B. Salt             | 300  | 300  |       | T. Ojo Alamo       |    |     |       |
| T. Yates            | 310  | 310  |       | T. Kirtland        |    |     |       |
| T. 7 Rivers         | 520  | 520  |       | T. Fruitland       |    |     |       |
| T. Queen            | 1095 | 1085 | O/G   | T. Pictured Cliffs |    |     |       |
| T. Grayburg         | 1524 | 1502 | O/G   | T. Lewis Shale     |    |     |       |
| T. San Andres       | 1895 | 1859 | O/G   | T. Chacra          |    |     |       |
| T. Glorieta         | 3360 | 3277 | O/G   | T. Cliff House     |    |     |       |
| T. Yeso             | 3434 | 3348 | O/G   | T. Menefee         |    |     |       |
| T. Paddock          | 3434 | 3348 | O/G   | T. Point Lookout   |    |     |       |
| T. Blinebry         | 4160 | 3968 | O/G   | T. Mancos          |    |     |       |
| T.Tubb              |      |      |       | T. Gallup          |    |     |       |
| T. Drinkard         |      |      |       | T. Greenhorn       |    |     |       |
| T. Abo              |      |      |       | T. Graneros        |    |     |       |
| T. Wolfcamp         |      |      |       | T. Dakota          |    |     |       |
| T. Penn             |      |      |       | T. Morrison        |    |     |       |
| T. Cisco            |      |      |       | T. Bluff           |    |     |       |
| T. Canyon           |      |      |       | T.Todilto          |    |     |       |
| T. Strawn           |      |      |       | T. Entrada         |    |     |       |
| T. Atoka            |      |      |       | T. Wingate         |    |     |       |
| T. Morrow           |      |      |       | T. Chinle          |    |     |       |
| T. Barnett Shale    |      |      |       | T. Permian         |    |     |       |
| T. Miss             |      |      |       | T. Penn A"         |    |     |       |
| T. Woodford Shale   |      |      |       | T. Penn. "B"       |    |     |       |
| T. Devonian         |      |      |       | T. Penn. "C"       |    |     |       |
| T. Silurian         |      |      |       | T. Penn. "D"       |    |     |       |
| T. Fusselman        |      |      |       | T. Leadville       |    |     |       |
| T. Montoya          |      |      |       | T. Madison         |    |     |       |
| T. Simpson          |      |      |       | T. Elbert          |    |     |       |
| T. McKee            |      |      |       | T. McCracken       |    |     |       |
| T. Waddell          |      |      |       | T. Ignacio Otzte   |    |     |       |
| T. Connel           |      |      |       | T. Granite         |    |     |       |
| T. Ellenburger      |      |      |       | T. Hermosa         |    |     |       |
| T. Gr. Wash         |      |      |       | T. De Chelly       |    |     |       |
| T. Delaware Sand    |      |      |       | T. Pinkerton       |    |     |       |
| T. Lamar Lime       |      |      |       |                    |    |     |       |
| T. Bell Canyon      |      |      |       |                    |    |     |       |
| T. Cherry Canyon    |      |      |       |                    |    |     |       |
| T. Brushy Canyon    |      |      |       |                    |    |     |       |
| T. Bone Springs     |      |      |       |                    |    |     |       |
| T. 1st BS Sand      |      |      |       |                    |    |     |       |
| T. 2nd BS Carbonate |      |      |       |                    |    |     |       |
| T. 2nd BS Sand      |      |      |       |                    |    |     |       |
| T. 3rd BS Carbonate |      |      |       |                    |    |     |       |
| T. 3rd BS Sand      |      |      |       |                    |    |     |       |

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 410848

ACKNOWLEDGMENTS

|                                                                             |                                                                               |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Operator:<br>LONGFELLOW ENERGY, LP<br>8115 Preston Road<br>Dallas, TX 75225 | OGRID:<br>372210                                                              |
|                                                                             | Action Number:<br>410848                                                      |
|                                                                             | Action Type:<br>[C-104] Completion Packet - Tight Hole/Confidential (C-104CT) |

ACKNOWLEDGMENTS

|                                     |                                                                                                                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.                                                                             |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.                                                                         |
| <input checked="" type="checkbox"/> | 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. |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 410848

CONDITIONS

|                                                                             |                                                                               |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Operator:<br>LONGFELLOW ENERGY, LP<br>8115 Preston Road<br>Dallas, TX 75225 | OGRID:<br>372210                                                              |
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CONDITIONS

| Created By | Condition                                                                                           | Condition Date |
|------------|-----------------------------------------------------------------------------------------------------|----------------|
| plmartinez | Please submit Well Log (s) as documented on the C-105 and submit as [UF-WL] EP Well Log Submission. | 12/12/2024     |