



**PHOENIX**  
TECHNOLOGY SERVICES

30-025-46022

October 17, 2019

Oil Conservation Division  
State of New Mexico  
1625 N. French Drive  
Hobbs, New Mexico 88240

**HOBBS OCD**  
**OCT 31 2019**  
**RECEIVED**

Dear District 1 - Hobbs

Re: Centennial Resources  
Tour Bus 23 State 101H  
Lea County, NM  
API #30-025-46022  
Job No. 65471

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced well by Phoenix Technology Services, Inc. Other information required by your office is as follows:

| Name & Title of Surveyor | Drain Hole Number | Surveyed Depths |        | Dates Performed |          | Type of Survey |
|--------------------------|-------------------|-----------------|--------|-----------------|----------|----------------|
|                          |                   | From            | To     | Start           | End      |                |
| Peter Mavrelis           | 101H              | 1,911           | 13,605 | 10/3/19         | 10/11/19 | MWD            |

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

*Brittany Carley*

Brittany Carley  
Operations Administrator

**Phoenix Technology Services  
SURVEY DATA CERTIFICATION**



PHOENIX JOB NUMBER

65471

ENERGY COMPANY

Centennial Resources

WELL NAME

Tour Bus 23 State 101H

COUNTY & STATE

Lea County, NM

API WELL NUMBER

30-025-46022

PROPOSED DIRECTION

182.39

| TIE-IN DATA       |                   |        |         |              |              |                |
|-------------------|-------------------|--------|---------|--------------|--------------|----------------|
| MEASURED<br>DEPTH | VERTICAL<br>DEPTH | INCLIN | AZIMUTH | N-S<br>COORD | E-W<br>COORD | DATA<br>SOURCE |
| 1,853. ft         | 1,852.67 ft       | 2.30   | 185.72  | -31.20 ft    | -3.23 ft     | Surface        |

| FIRST<br>SURVEY<br>DATE | FIRST<br>SURVEY<br>DEPTH | INCLIN | AZIMUTH |
|-------------------------|--------------------------|--------|---------|
| 3-Oct-19                | 1,911.00 ft              | 2.62   | 204.70  |

SURVEY INSTRUMENT

TYPE

Phoenix MWD Velocity

| LAST<br>SURVEY<br>DATE | LAST<br>SURVEY<br>DEPTH | INCLIN | AZIMUTH |
|------------------------|-------------------------|--------|---------|
| 11-Oct-19              | 13,605.00 ft            | 88.19  | 177.59  |

TO THE BEST OF MY KNOWLEDGE I  
CERTIFY THIS SURVEY DATA TO BE  
TRUE AND CORRECT.

| PROJECTED<br>TD SURVEY<br>DATE | PROJECTED<br>TD SURVEY<br>DEPTH | INCLIN | AZIMUTH |
|--------------------------------|---------------------------------|--------|---------|
| 11-Oct-19                      | 13,668.00 ft                    | 88.19  | 177.59  |

Peter Mavrelis

PRINT YOUR NAME ABOVE

*Peter Mavrelis*

SIGN YOUR NAME ABOVE

**MAGNETIC DECLINATION OR TOTAL GRID**

|                       |             |
|-----------------------|-------------|
| TOTAL CORRECTION USED | 6.63        |
| DECLINATION OR GRID   | DECLINATION |

10/11/2019

TODAY'S DATE

TRUE NORTH

MWD SUPERVISOR 1

Ryan Finley

DIRECTIONAL DRILLER 1

Nye Soares

MWD SUPERVISOR 2

Peter Mavrelis

DIRECTIONAL DRILLER 2

Trent Lejeune

12329 Cutten Rd., Houston, Texas 777066 (713)337-0600 (Voice), (713)337-0599 (Fax)



**PHOENIX**  
TECHNOLOGY SERVICES

## **Centennial Resources Development, Inc.**

**Lea County, NM (NAD83 - NME)  
Tour Bus 23 State  
101H**

**OH / 65471**

**Survey: Phoenix MWD Surveys**

## **Standard Survey Report**

**11 October, 2019**





## Survey Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>Local Co-ordinate Reference:</b> | Well 101H                   |
| <b>Project:</b>  | Lea County, NM (NAD83 - NME)           | <b>TVD Reference:</b>               | RKB @ 3506.90usft (H&P 618) |
| <b>Site:</b>     | Tour Bus 23 State                      | <b>MD Reference:</b>                | RKB @ 3506.90usft (H&P 618) |
| <b>Well:</b>     | 101H                                   | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | OH / 65471                             | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | Surveys (H&P 618)                      | <b>Database:</b>                    | USA Compass                 |

|                    |                              |                      |                |
|--------------------|------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD83 - NME) |                      |                |
| <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      |                      |                |

|             |                   |  |  |
|-------------|-------------------|--|--|
| <b>Site</b> | Tour Bus 23 State |  |  |
|-------------|-------------------|--|--|

|                              |           |                     |                 |                          |                      |
|------------------------------|-----------|---------------------|-----------------|--------------------------|----------------------|
| <b>Site Position:</b>        |           | <b>Northing:</b>    | 504,400.90 usft | <b>Latitude:</b>         | 32° 23' 0.417970 N   |
| <b>From:</b>                 | Map       | <b>Easting:</b>     | 819,372.55 usft | <b>Longitude:</b>        | 103° 25' 57.572003 W |
| <b>Position Uncertainty:</b> | 0.00 usft | <b>Slot Radius:</b> | 13-3/16 "       | <b>Grid Convergence:</b> | 0.48 °               |

|                             |              |           |                            |                 |                                        |
|-----------------------------|--------------|-----------|----------------------------|-----------------|----------------------------------------|
| <b>Well</b>                 | 101H         |           |                            |                 |                                        |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.00 usft | <b>Northing:</b>           | 504,400.90 usft | <b>Latitude:</b> 32° 23' 0.417970 N    |
|                             | <b>+E/-W</b> | 0.00 usft | <b>Easting:</b>            | 819,372.55 usft | <b>Longitude:</b> 103° 25' 57.572003 W |
| <b>Position Uncertainty</b> |              | 1.00 usft | <b>Wellhead Elevation:</b> | usft            | <b>Ground Level:</b> 3,481.90 usft     |

|                 |            |  |  |  |  |
|-----------------|------------|--|--|--|--|
| <b>Wellbore</b> | OH / 65471 |  |  |  |  |
|-----------------|------------|--|--|--|--|

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | User Defined      | 10/2/2019          | 6.63                   | 60.06                | 47,912.00000000            |

|               |                   |  |  |  |  |
|---------------|-------------------|--|--|--|--|
| <b>Design</b> | Surveys (H&P 618) |  |  |  |  |
|---------------|-------------------|--|--|--|--|

|                     |     |               |        |                      |          |
|---------------------|-----|---------------|--------|----------------------|----------|
| <b>Audit Notes:</b> |     |               |        |                      |          |
| <b>Version:</b>     | 1.0 | <b>Phase:</b> | ACTUAL | <b>Tie On Depth:</b> | 1,853.00 |

|                          |                                |                     |                     |                      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                | 0.00                | 182.39               |

|                       |                        |                                     |                  |                                            |  |
|-----------------------|------------------------|-------------------------------------|------------------|--------------------------------------------|--|
| <b>Survey Program</b> | <b>Date</b> 10/11/2019 |                                     |                  |                                            |  |
| <b>From (usft)</b>    | <b>To (usft)</b>       | <b>Survey (Wellbore)</b>            | <b>Tool Name</b> | <b>Description</b>                         |  |
| 151.00                | 1,853.00               | Invictus MWD Surveys (OH / Surface) | MWD              | OWSG MWD - Standard                        |  |
| 1,911.00              | 13,668.00              | Phoenix MWD Surveys (OH / 65471)    | MWD+IFR1+MS      | OWSG MWD + IFR1 + Multi-Station Correction |  |

|                                 |                        |                    |                              |                     |                     |                                |                                |                               |                              |
|---------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|
| <b>Survey</b>                   |                        |                    |                              |                     |                     |                                |                                |                               |                              |
| <b>Measured Depth (usft)</b>    | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |
| 1,853.00                        | 2.30                   | 185.72             | 1,852.67                     | -31.20              | -3.23               | 31.31                          | 0.00                           | 0.00                          | 0.00                         |
| <b>Tie In</b>                   |                        |                    |                              |                     |                     |                                |                                |                               |                              |
| 1,911.00                        | 2.62                   | 204.70             | 1,910.62                     | -33.56              | -3.90               | 33.70                          | 1.50                           | 0.55                          | 32.72                        |
| <b>First Phoenix MWD Survey</b> |                        |                    |                              |                     |                     |                                |                                |                               |                              |
| 2,005.00                        | 1.09                   | 207.62             | 2,004.57                     | -36.31              | -5.21               | 36.49                          | 1.63                           | -1.63                         | 3.11                         |
| 2,100.00                        | 1.37                   | 359.55             | 2,099.56                     | -35.97              | -5.64               | 36.18                          | 2.51                           | 0.29                          | 159.93                       |
| 2,193.00                        | 3.17                   | 355.78             | 2,192.48                     | -32.30              | -5.84               | 32.51                          | 1.94                           | 1.94                          | -4.05                        |
| 2,287.00                        | 4.83                   | 350.09             | 2,286.25                     | -25.80              | -6.71               | 26.06                          | 1.81                           | 1.77                          | -6.05                        |
| 2,381.00                        | 6.29                   | 345.12             | 2,379.81                     | -16.93              | -8.72               | 17.28                          | 1.63                           | 1.55                          | -5.29                        |



# Survey Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>Local Co-ordinate Reference:</b> | Well 101H                   |
| <b>Project:</b>  | Lea County, NM (NAD83 - NME)           | <b>TVD Reference:</b>               | RKB @ 3506.90usft (H&P 618) |
| <b>Site:</b>     | Tour Bus 23 State                      | <b>MD Reference:</b>                | RKB @ 3506.90usft (H&P 618) |
| <b>Well:</b>     | 101H                                   | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | OH / 65471                             | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | Surveys (H&P 618)                      | <b>Database:</b>                    | USA Compass                 |

## Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 2,475.00              | 7.46            | 338.03      | 2,473.13              | -6.29        | -12.32       | 6.80                    | 1.54                    | 1.24                   | -7.54                 |
| 2,569.00              | 7.99            | 334.64      | 2,566.28              | 5.27         | -17.40       | -4.54                   | 0.74                    | 0.56                   | -3.61                 |
| 2,663.00              | 7.70            | 336.49      | 2,659.40              | 16.95        | -22.71       | -15.99                  | 0.41                    | -0.31                  | 1.97                  |
| 2,757.00              | 7.45            | 337.20      | 2,752.58              | 28.34        | -27.59       | -27.17                  | 0.28                    | -0.27                  | 0.76                  |
| 2,851.00              | 7.20            | 337.91      | 2,845.81              | 39.42        | -32.16       | -38.04                  | 0.28                    | -0.27                  | 0.76                  |
| 2,945.00              | 7.77            | 341.08      | 2,939.01              | 50.89        | -36.44       | -49.32                  | 0.75                    | 0.61                   | 3.37                  |
| 3,040.00              | 8.50            | 345.94      | 3,033.05              | 63.77        | -40.23       | -62.04                  | 1.06                    | 0.77                   | 5.12                  |
| 3,134.00              | 8.24            | 348.81      | 3,126.05              | 77.12        | -43.22       | -75.25                  | 0.52                    | -0.28                  | 3.05                  |
| 3,229.00              | 7.61            | 350.39      | 3,220.15              | 90.00        | -45.59       | -88.02                  | 0.70                    | -0.66                  | 1.66                  |
| 3,323.00              | 7.20            | 351.78      | 3,313.36              | 101.97       | -47.47       | -99.90                  | 0.48                    | -0.44                  | 1.48                  |
| 3,417.00              | 7.26            | 346.67      | 3,406.61              | 113.58       | -49.69       | -111.41                 | 0.69                    | 0.06                   | -5.44                 |
| 3,511.00              | 7.36            | 341.94      | 3,499.85              | 125.08       | -52.92       | -122.76                 | 0.65                    | 0.11                   | -5.03                 |
| 3,606.00              | 6.93            | 342.09      | 3,594.11              | 136.32       | -56.57       | -133.84                 | 0.45                    | -0.45                  | 0.16                  |
| 3,700.00              | 6.66            | 336.25      | 3,687.45              | 146.70       | -60.51       | -144.05                 | 0.79                    | -0.29                  | -6.21                 |
| 3,794.00              | 6.50            | 332.03      | 3,780.84              | 156.39       | -65.20       | -153.54                 | 0.54                    | -0.17                  | -4.49                 |
| 3,889.00              | 6.96            | 327.77      | 3,875.18              | 166.01       | -70.79       | -162.91                 | 0.71                    | 0.48                   | -4.48                 |
| 3,983.00              | 8.06            | 322.20      | 3,968.37              | 176.04       | -77.87       | -172.64                 | 1.40                    | 1.17                   | -5.93                 |
| 4,077.00              | 7.48            | 324.67      | 4,061.51              | 186.23       | -85.45       | -182.51                 | 0.71                    | -0.62                  | 2.63                  |
| 4,171.00              | 7.18            | 324.99      | 4,154.74              | 196.04       | -92.36       | -192.02                 | 0.32                    | -0.32                  | 0.34                  |
| 4,266.00              | 6.98            | 323.14      | 4,249.02              | 205.52       | -99.22       | -201.20                 | 0.32                    | -0.21                  | -1.95                 |
| 4,360.00              | 6.64            | 326.18      | 4,342.36              | 214.60       | -105.68      | -210.01                 | 0.53                    | -0.36                  | 3.23                  |
| 4,454.00              | 6.16            | 329.31      | 4,435.77              | 223.46       | -111.27      | -218.62                 | 0.63                    | -0.51                  | 3.33                  |
| 4,548.00              | 6.03            | 324.63      | 4,529.24              | 231.82       | -116.71      | -226.75                 | 0.55                    | -0.14                  | -4.98                 |
| 4,642.00              | 6.01            | 314.53      | 4,622.72              | 239.30       | -123.07      | -233.96                 | 1.13                    | -0.02                  | -10.74                |
| 4,736.00              | 5.74            | 309.47      | 4,716.23              | 245.74       | -130.21      | -240.09                 | 0.62                    | -0.29                  | -5.38                 |
| 4,830.00              | 5.44            | 313.97      | 4,809.78              | 251.82       | -137.04      | -245.88                 | 0.56                    | -0.32                  | 4.79                  |
| 4,924.00              | 4.64            | 299.89      | 4,903.42              | 256.81       | -143.55      | -250.60                 | 1.56                    | -0.85                  | -14.98                |
| 5,018.00              | 4.35            | 290.46      | 4,997.14              | 259.95       | -150.19      | -253.46                 | 0.84                    | -0.31                  | -10.04                |
| 5,113.00              | 4.25            | 291.20      | 5,091.87              | 262.48       | -156.84      | -255.71                 | 0.12                    | -0.11                  | 0.79                  |
| 5,207.00              | 3.97            | 291.57      | 5,185.63              | 264.93       | -163.12      | -257.90                 | 0.30                    | -0.30                  | 0.39                  |
| 5,301.00              | 3.66            | 293.10      | 5,279.42              | 267.31       | -168.90      | -260.03                 | 0.35                    | -0.33                  | 1.63                  |
| 5,353.00              | 3.49            | 295.00      | 5,331.32              | 268.63       | -171.86      | -261.23                 | 0.40                    | -0.33                  | 3.65                  |
| 5,477.00              | 3.04            | 300.87      | 5,455.12              | 271.91       | -178.11      | -264.25                 | 0.45                    | -0.36                  | 4.73                  |
| 5,571.00              | 1.71            | 283.19      | 5,549.03              | 273.51       | -181.61      | -265.70                 | 1.60                    | -1.41                  | -18.81                |
| 5,665.00              | 1.27            | 208.06      | 5,643.01              | 272.91       | -183.47      | -265.02                 | 1.97                    | -0.47                  | -79.93                |
| 5,759.00              | 1.84            | 170.94      | 5,736.98              | 270.50       | -183.72      | -262.60                 | 1.20                    | 0.61                   | -39.49                |
| 5,853.00              | 0.67            | 214.93      | 5,830.95              | 268.56       | -183.80      | -260.66                 | 1.53                    | -1.24                  | 46.80                 |
| 5,947.00              | 0.50            | 273.63      | 5,924.95              | 268.13       | -184.52      | -260.21                 | 0.63                    | -0.18                  | 62.45                 |
| 6,041.00              | 0.42            | 262.90      | 6,018.95              | 268.12       | -185.27      | -260.16                 | 0.12                    | -0.09                  | -11.41                |
| 6,136.00              | 0.19            | 268.58      | 6,113.95              | 268.07       | -185.77      | -260.09                 | 0.24                    | -0.24                  | 5.98                  |
| 6,230.00              | 0.37            | 233.66      | 6,207.94              | 267.89       | -186.17      | -259.89                 | 0.26                    | 0.19                   | -37.15                |
| 6,324.00              | 0.33            | 306.88      | 6,301.94              | 267.87       | -186.64      | -259.85                 | 0.45                    | -0.04                  | 77.89                 |
| 6,418.00              | 0.28            | 308.18      | 6,395.94              | 268.17       | -187.03      | -260.14                 | 0.05                    | -0.05                  | 1.38                  |



# Survey Report



**Company:** Centennial Resources Development, Inc.  
**Project:** Lea County, NM (NAD83 - NME)  
**Site:** Tour Bus 23 State  
**Well:** 101H  
**Wellbore:** OH / 65471  
**Design:** Surveys (H&P 618)

**Local Co-ordinate Reference:** Well 101H  
**TVD Reference:** RKB @ 3506.90usft (H&P 618)  
**MD Reference:** RKB @ 3506.90usft (H&P 618)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** USA Compass

## Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 6,512.00              | 0.05            | 197.03      | 6,489.94              | 268.28       | -187.23      | -260.24                 | 0.32                    | -0.24                  | -118.24               |
| 6,606.00              | 0.22            | 256.98      | 6,583.94              | 268.20       | -187.41      | -260.15                 | 0.21                    | 0.18                   | 63.78                 |
| 6,701.00              | 0.25            | 53.66       | 6,678.94              | 268.28       | -187.42      | -260.23                 | 0.48                    | 0.03                   | 164.93                |
| 6,795.00              | 0.16            | 133.88      | 6,772.94              | 268.31       | -187.16      | -260.27                 | 0.29                    | -0.10                  | 85.34                 |
| 6,889.00              | 0.18            | 112.60      | 6,866.94              | 268.16       | -186.93      | -260.13                 | 0.07                    | 0.02                   | -22.64                |
| 6,984.00              | 0.43            | 137.06      | 6,961.94              | 267.84       | -186.55      | -259.83                 | 0.29                    | 0.26                   | 25.75                 |
| 7,079.00              | 0.61            | 132.42      | 7,056.93              | 267.24       | -185.94      | -259.25                 | 0.19                    | 0.19                   | -4.88                 |
| 7,173.00              | 0.83            | 136.96      | 7,150.93              | 266.41       | -185.10      | -258.45                 | 0.24                    | 0.23                   | 4.83                  |
| 7,268.00              | 0.98            | 138.85      | 7,245.92              | 265.29       | -184.10      | -257.38                 | 0.16                    | 0.16                   | 1.99                  |
| 7,362.00              | 1.06            | 135.60      | 7,339.90              | 264.06       | -182.96      | -256.21                 | 0.10                    | 0.09                   | -3.46                 |
| 7,456.00              | 1.14            | 135.95      | 7,433.88              | 262.77       | -181.70      | -254.97                 | 0.09                    | 0.09                   | 0.37                  |
| 7,550.00              | 1.36            | 143.79      | 7,527.86              | 261.20       | -180.39      | -253.45                 | 0.30                    | 0.23                   | 8.34                  |
| 7,645.00              | 1.24            | 146.94      | 7,622.84              | 259.43       | -179.17      | -251.73                 | 0.15                    | -0.13                  | 3.32                  |
| 7,739.00              | 1.55            | 142.26      | 7,716.81              | 257.57       | -177.83      | -249.93                 | 0.35                    | 0.33                   | -4.98                 |
| 7,833.00              | 1.27            | 162.98      | 7,810.78              | 255.57       | -176.75      | -247.98                 | 0.61                    | -0.30                  | 22.04                 |
| 7,928.00              | 1.34            | 204.93      | 7,905.76              | 253.55       | -176.91      | -245.96                 | 0.99                    | 0.07                   | 44.16                 |
| 8,022.00              | 1.04            | 211.09      | 7,999.74              | 251.83       | -177.81      | -244.19                 | 0.35                    | -0.32                  | 6.55                  |
| 8,116.00              | 0.75            | 204.79      | 8,093.73              | 250.54       | -178.51      | -242.88                 | 0.33                    | -0.31                  | -6.70                 |
| 8,211.00              | 0.63            | 234.83      | 8,188.72              | 249.67       | -179.20      | -241.98                 | 0.40                    | -0.13                  | 31.62                 |
| 8,335.00              | 6.26            | 173.21      | 8,312.46              | 242.56       | -178.96      | -234.89                 | 4.83                    | 4.54                   | -49.69                |
| 8,382.00              | 14.34           | 171.07      | 8,358.66              | 234.25       | -177.75      | -226.64                 | 17.21                   | 17.19                  | -4.55                 |
| 8,429.00              | 21.08           | 172.17      | 8,403.41              | 220.11       | -175.69      | -212.60                 | 14.36                   | 14.34                  | 2.34                  |
| 8,476.00              | 28.03           | 172.31      | 8,446.13              | 200.77       | -173.06      | -193.38                 | 14.79                   | 14.79                  | 0.30                  |
| 8,523.00              | 32.23           | 174.27      | 8,486.77              | 177.35       | -170.33      | -170.09                 | 9.18                    | 8.94                   | 4.17                  |
| 8,570.00              | 39.41           | 174.41      | 8,524.86              | 149.99       | -167.62      | -142.87                 | 15.28                   | 15.28                  | 0.30                  |
| 8,617.00              | 43.43           | 175.50      | 8,560.10              | 119.02       | -164.90      | -112.04                 | 8.69                    | 8.55                   | 2.32                  |
| 8,664.00              | 44.93           | 176.63      | 8,593.80              | 86.35        | -162.66      | -79.49                  | 3.60                    | 3.19                   | 2.40                  |
| 8,711.00              | 46.77           | 178.42      | 8,626.54              | 52.66        | -161.21      | -45.89                  | 4.77                    | 3.91                   | 3.81                  |
| 8,758.00              | 46.65           | 178.29      | 8,658.77              | 18.46        | -160.23      | -11.77                  | 0.33                    | -0.26                  | -0.28                 |
| 8,805.00              | 49.10           | 177.39      | 8,690.29              | -16.37       | -158.91      | 22.98                   | 5.40                    | 5.21                   | -1.91                 |
| 8,852.00              | 52.23           | 177.67      | 8,720.08              | -52.68       | -157.34      | 59.20                   | 6.68                    | 6.66                   | 0.60                  |
| 8,899.00              | 54.70           | 181.36      | 8,748.06              | -90.43       | -157.04      | 96.90                   | 8.21                    | 5.26                   | 7.85                  |
| 8,946.00              | 56.27           | 184.72      | 8,774.70              | -129.09      | -159.11      | 135.61                  | 6.77                    | 3.34                   | 7.15                  |
| 8,994.00              | 59.66           | 185.83      | 8,800.16              | -169.60      | -162.85      | 176.25                  | 7.33                    | 7.06                   | 2.31                  |
| 9,041.00              | 62.40           | 186.29      | 8,822.92              | -210.49      | -167.20      | 217.28                  | 5.89                    | 5.83                   | 0.98                  |
| 9,088.00              | 67.50           | 184.46      | 8,842.81              | -252.86      | -171.17      | 259.78                  | 11.41                   | 10.85                  | -3.89                 |
| 9,135.00              | 73.05           | 182.86      | 8,858.67              | -297.00      | -173.98      | 304.00                  | 12.24                   | 11.81                  | -3.40                 |
| 9,181.00              | 76.01           | 182.91      | 8,870.94              | -341.27      | -176.21      | 348.32                  | 6.44                    | 6.43                   | 0.11                  |
| 9,208.00              | 78.53           | 182.90      | 8,876.89              | -367.57      | -177.55      | 374.66                  | 9.33                    | 9.33                   | -0.04                 |
| 9,291.00              | 86.85           | 181.78      | 8,887.44              | -449.75      | -180.90      | 456.91                  | 10.11                   | 10.02                  | -1.35                 |
| 9,386.00              | 86.87           | 181.38      | 8,892.64              | -544.58      | -183.51      | 551.75                  | 0.42                    | 0.02                   | -0.42                 |
| 9,480.00              | 87.19           | 181.54      | 8,897.51              | -638.42      | -185.91      | 645.62                  | 0.38                    | 0.34                   | 0.17                  |
| 9,574.00              | 88.93           | 181.48      | 8,900.70              | -732.33      | -188.38      | 739.55                  | 1.85                    | 1.85                   | -0.06                 |
| 9,669.00              | 88.92           | 180.90      | 8,902.48              | -827.29      | -190.35      | 834.51                  | 0.61                    | -0.01                  | -0.61                 |



# Survey Report



|           |                                        |                              |                             |
|-----------|----------------------------------------|------------------------------|-----------------------------|
| Company:  | Centennial Resources Development, Inc. | Local Co-ordinate Reference: | Well 101H                   |
| Project:  | Lea County, NM (NAD83 - NME)           | TVD Reference:               | RKB @ 3506.90usft (H&P 618) |
| Site:     | Tour Bus 23 State                      | MD Reference:                | RKB @ 3506.90usft (H&P 618) |
| Well:     | 101H                                   | North Reference:             | True                        |
| Wellbore: | OH / 65471                             | Survey Calculation Method:   | Minimum Curvature           |
| Design:   | Surveys (H&P 618)                      | Database:                    | USA Compass                 |

## Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Bulld Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,763.00              | 88.52           | 180.77      | 8,904.58              | -921.26      | -191.72      | 928.45                  | 0.45                    | -0.43                  | -0.14                 |
| 9,857.00              | 88.89           | 180.44      | 8,906.70              | -1,015.23    | -192.72      | 1,022.38                | 0.53                    | 0.39                   | -0.35                 |
| 9,952.00              | 89.45           | 180.16      | 8,908.08              | -1,110.22    | -193.21      | 1,117.31                | 0.66                    | 0.59                   | -0.29                 |
| 10,047.00             | 89.96           | 179.86      | 8,908.57              | -1,205.21    | -193.23      | 1,212.22                | 0.62                    | 0.54                   | -0.32                 |
| 10,141.00             | 90.96           | 179.49      | 8,907.81              | -1,299.21    | -192.70      | 1,306.11                | 1.13                    | 1.06                   | -0.39                 |
| 10,236.00             | 91.01           | 179.45      | 8,906.18              | -1,394.19    | -191.82      | 1,400.98                | 0.07                    | 0.05                   | -0.04                 |
| 10,330.00             | 89.96           | 179.79      | 8,905.39              | -1,488.18    | -191.19      | 1,494.86                | 1.17                    | -1.12                  | 0.36                  |
| 10,425.00             | 89.76           | 179.20      | 8,905.62              | -1,583.18    | -190.36      | 1,589.74                | 0.66                    | -0.21                  | -0.62                 |
| 10,519.00             | 89.12           | 179.55      | 8,906.54              | -1,677.17    | -189.33      | 1,683.60                | 0.78                    | -0.68                  | 0.37                  |
| 10,613.00             | 90.87           | 181.43      | 8,906.54              | -1,771.16    | -190.14      | 1,777.55                | 2.73                    | 1.86                   | 2.00                  |
| 10,707.00             | 88.19           | 181.46      | 8,907.32              | -1,865.12    | -192.51      | 1,871.52                | 2.85                    | -2.85                  | 0.03                  |
| 10,802.00             | 87.67           | 181.16      | 8,910.75              | -1,960.03    | -194.68      | 1,966.44                | 0.63                    | -0.55                  | -0.32                 |
| 10,896.00             | 88.19           | 181.25      | 8,914.14              | -2,053.95    | -196.65      | 2,060.36                | 0.56                    | 0.55                   | 0.10                  |
| 10,928.00             | 88.39           | 181.34      | 8,915.10              | -2,085.92    | -197.37      | 2,092.34                | 0.69                    | 0.63                   | 0.28                  |
| 10,959.00             | 89.22           | 181.40      | 8,915.74              | -2,116.91    | -198.12      | 2,123.33                | 2.68                    | 2.68                   | 0.19                  |
| 10,991.00             | 91.22           | 181.51      | 8,915.62              | -2,148.90    | -198.93      | 2,155.32                | 6.26                    | 6.25                   | 0.34                  |
| 11,022.00             | 91.76           | 181.56      | 8,914.81              | -2,179.87    | -199.76      | 2,186.31                | 1.75                    | 1.74                   | 0.16                  |
| 11,054.00             | 92.18           | 181.49      | 8,913.71              | -2,211.84    | -200.61      | 2,218.28                | 1.33                    | 1.31                   | -0.22                 |
| 11,085.00             | 92.54           | 181.29      | 8,912.44              | -2,242.81    | -201.36      | 2,249.25                | 1.33                    | 1.16                   | -0.65                 |
| 11,117.00             | 92.98           | 181.46      | 8,910.90              | -2,274.76    | -202.13      | 2,281.21                | 1.47                    | 1.38                   | 0.53                  |
| 11,148.00             | 93.38           | 181.26      | 8,909.18              | -2,305.70    | -202.86      | 2,312.16                | 1.44                    | 1.29                   | -0.65                 |
| 11,180.00             | 92.08           | 180.80      | 8,907.65              | -2,337.66    | -203.44      | 2,344.11                | 4.31                    | -4.06                  | -1.44                 |
| 11,211.00             | 91.99           | 180.64      | 8,906.55              | -2,368.64    | -203.83      | 2,375.08                | 0.59                    | -0.29                  | -0.52                 |
| 11,243.00             | 92.47           | 180.61      | 8,905.31              | -2,400.61    | -204.18      | 2,407.04                | 1.50                    | 1.50                   | -0.09                 |
| 11,274.00             | 92.71           | 180.46      | 8,903.91              | -2,431.58    | -204.46      | 2,437.99                | 0.91                    | 0.77                   | -0.48                 |
| 11,306.00             | 92.87           | 180.68      | 8,902.35              | -2,463.54    | -204.78      | 2,469.94                | 0.85                    | 0.50                   | 0.69                  |
| 11,337.00             | 92.81           | 180.53      | 8,900.81              | -2,494.50    | -205.11      | 2,500.89                | 0.52                    | -0.19                  | -0.48                 |
| 11,368.00             | 92.52           | 180.12      | 8,899.37              | -2,525.47    | -205.28      | 2,531.83                | 1.62                    | -0.94                  | -1.32                 |
| 11,400.00             | 92.19           | 179.60      | 8,898.06              | -2,557.44    | -205.21      | 2,563.77                | 1.92                    | -1.03                  | -1.63                 |
| 11,431.00             | 92.24           | 179.60      | 8,896.86              | -2,588.42    | -204.99      | 2,594.71                | 0.16                    | 0.16                   | 0.00                  |
| 11,463.00             | 91.81           | 179.34      | 8,895.73              | -2,620.39    | -204.69      | 2,626.65                | 1.57                    | -1.34                  | -0.81                 |
| 11,557.00             | 90.90           | 178.30      | 8,893.50              | -2,714.35    | -202.76      | 2,720.44                | 1.47                    | -0.97                  | -1.11                 |
| 11,652.00             | 90.42           | 177.41      | 8,892.41              | -2,809.27    | -199.20      | 2,815.14                | 1.06                    | -0.51                  | -0.94                 |
| 11,746.00             | 88.89           | 176.99      | 8,892.98              | -2,903.16    | -194.61      | 2,908.75                | 1.69                    | -1.63                  | -0.45                 |
| 11,840.00             | 89.68           | 176.42      | 8,894.15              | -2,996.99    | -189.21      | 3,002.27                | 1.04                    | 0.84                   | -0.61                 |
| 11,935.00             | 90.01           | 177.25      | 8,894.41              | -3,091.85    | -183.96      | 3,096.83                | 0.94                    | 0.35                   | 0.87                  |
| 12,029.00             | 91.05           | 179.60      | 8,893.54              | -3,185.80    | -181.38      | 3,190.59                | 2.73                    | 1.11                   | 2.50                  |
| 12,124.00             | 88.95           | 180.16      | 8,893.54              | -3,280.79    | -181.18      | 3,285.49                | 2.29                    | -2.21                  | 0.59                  |
| 12,218.00             | 88.75           | 180.29      | 8,895.42              | -3,374.77    | -181.55      | 3,379.41                | 0.25                    | -0.21                  | 0.14                  |
| 12,313.00             | 87.01           | 181.35      | 8,898.94              | -3,469.69    | -182.91      | 3,474.30                | 2.14                    | -1.83                  | 1.12                  |
| 12,407.00             | 87.29           | 181.55      | 8,903.61              | -3,563.55    | -185.29      | 3,568.17                | 0.37                    | 0.30                   | 0.21                  |
| 12,502.00             | 87.93           | 181.68      | 8,907.57              | -3,658.43    | -187.96      | 3,663.08                | 0.69                    | 0.67                   | 0.14                  |
| 12,596.00             | 89.84           | 181.13      | 8,909.40              | -3,752.37    | -190.26      | 3,757.04                | 2.11                    | 2.03                   | -0.59                 |



## Survey Report



|                  |                                        |                                     |                             |
|------------------|----------------------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | Centennial Resources Development, Inc. | <b>Local Co-ordinate Reference:</b> | Well 101H                   |
| <b>Project:</b>  | Lea County, NM (NAD83 - NME)           | <b>TVD Reference:</b>               | RKB @ 3506.90usft (H&P 618) |
| <b>Site:</b>     | Tour Bus 23 State                      | <b>MD Reference:</b>                | RKB @ 3506.90usft (H&P 618) |
| <b>Well:</b>     | 101H                                   | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | OH / 65471                             | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | Surveys (H&P 618)                      | <b>Database:</b>                    | USA Compass                 |

### Survey

| Measured Depth (usft)           | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 12,691.00                       | 88.64           | 180.58      | 8,910.66              | -3,847.35    | -191.68      | 3,852.00                | 1.39                    | -1.26                  | -0.58                 |
| 12,785.00                       | 86.98           | 180.23      | 8,914.25              | -3,941.28    | -192.35      | 3,945.87                | 1.80                    | -1.77                  | -0.37                 |
| 12,879.00                       | 88.90           | 180.45      | 8,917.63              | -4,035.21    | -192.90      | 4,039.75                | 2.06                    | 2.04                   | 0.23                  |
| 12,974.00                       | 89.98           | 180.94      | 8,918.56              | -4,130.20    | -194.06      | 4,134.70                | 1.25                    | 1.14                   | 0.52                  |
| 13,068.00                       | 89.98           | 180.51      | 8,918.59              | -4,224.19    | -195.25      | 4,228.66                | 0.46                    | 0.00                   | -0.46                 |
| 13,163.00                       | 88.76           | 179.66      | 8,919.64              | -4,319.18    | -195.39      | 4,323.57                | 1.57                    | -1.28                  | -0.89                 |
| 13,257.00                       | 88.10           | 178.70      | 8,922.21              | -4,413.14    | -194.04      | 4,417.39                | 1.24                    | -0.70                  | -1.02                 |
| 13,351.00                       | 87.91           | 178.43      | 8,925.49              | -4,507.05    | -191.69      | 4,511.12                | 0.35                    | -0.20                  | -0.29                 |
| 13,446.00                       | 88.31           | 178.17      | 8,928.62              | -4,601.96    | -188.87      | 4,605.83                | 0.50                    | 0.42                   | -0.27                 |
| 13,540.00                       | 88.22           | 177.76      | 8,931.47              | -4,695.85    | -185.54      | 4,699.51                | 0.45                    | -0.10                  | -0.44                 |
| 13,605.00                       | 88.19           | 177.59      | 8,933.50              | -4,760.77    | -182.90      | 4,764.25                | 0.27                    | -0.05                  | -0.26                 |
| <b>Final Phoenix MWD Survey</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,668.00                       | 88.19           | 177.59      | 8,935.49              | -4,823.68    | -180.25      | 4,827.00                | 0.00                    | 0.00                   | 0.00                  |
| <b>Projection to TD</b>         |                 |             |                       |              |              |                         |                         |                        |                       |

### Survey Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                  |
|-----------------------|-----------------------|-------------------|--------------|--------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                          |
| 1,853.00              | 1,852.67              | -31.20            | -3.23        | Tie In                   |
| 1,911.00              | 1,910.62              | -33.56            | -3.90        | First Phoenix MWD Survey |
| 13,605.00             | 8,933.50              | 265.00            | -163.28      | Final Phoenix MWD Survey |
| 13,668.00             | 8,935.49              | 265.00            | -183.84      | Projection to TD         |

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

|                            |                                                                   |                                   |
|----------------------------|-------------------------------------------------------------------|-----------------------------------|
| <sup>1</sup> API Number    | <sup>2</sup> Pool Code                                            | <sup>3</sup> Pool Name            |
| <sup>4</sup> Property Code | <sup>5</sup> Property Name<br>TOUR BUS 23 STATE                   | <sup>6</sup> Well Number<br>101H  |
| <sup>7</sup> OGRID No.     | <sup>8</sup> Operator Name<br>CENTENNIAL RESOURCE PRODUCTION, LLC | <sup>9</sup> Elevation<br>3480.9' |

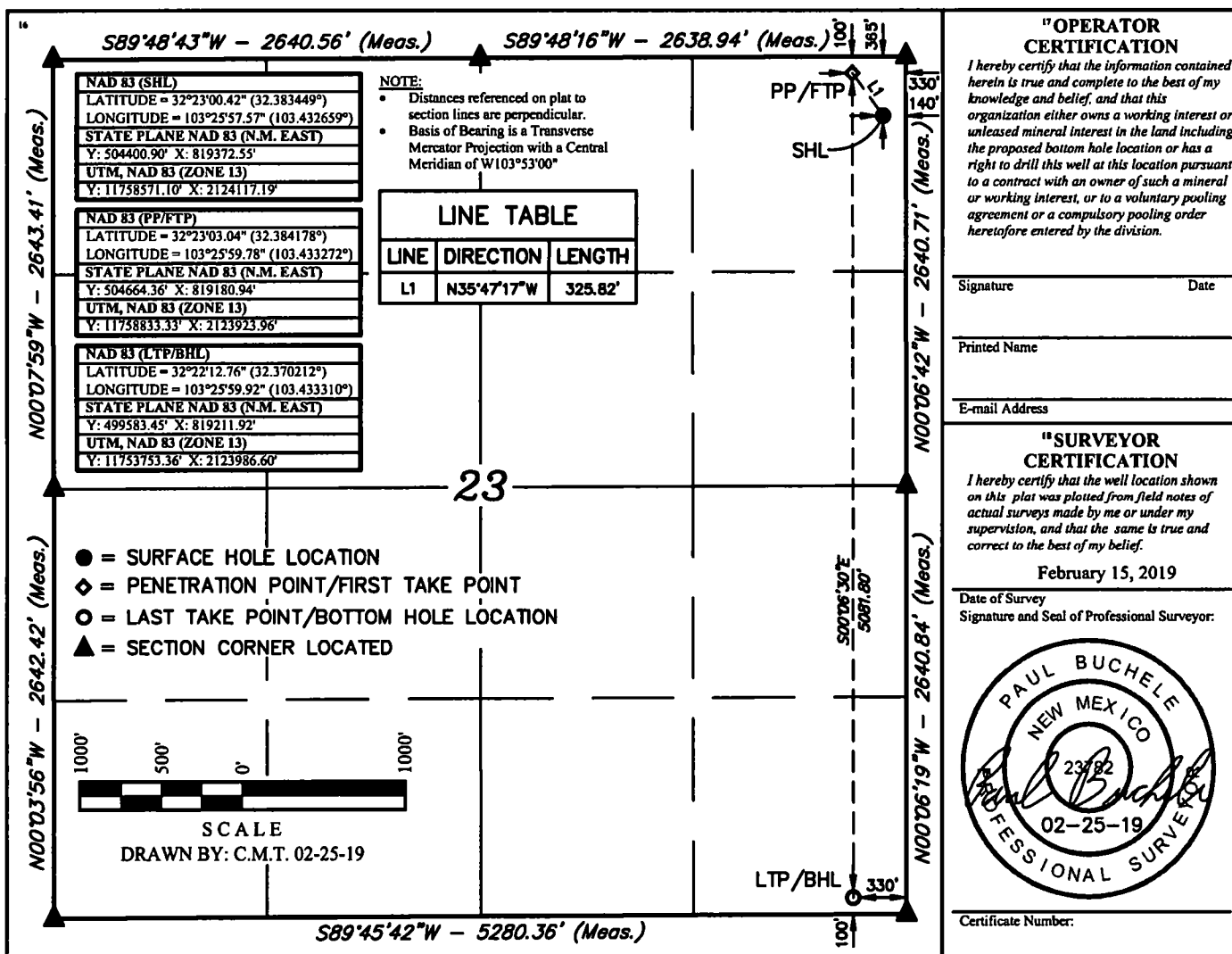
" Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 23      | 22S      | 34E   |         | 365           | NORTH            | 140           | EAST           | LEA    |

" 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 |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|---------|---------------|------------------|---------------|----------------|--------|
| P                                    | 23                            | 22S                              | 34E                     |         | 100           | SOUTH            | 330           | EAST           | LEA    |
| <sup>12</sup> Dedicated Acres<br>160 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |         |               |                  |               |                |        |

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.



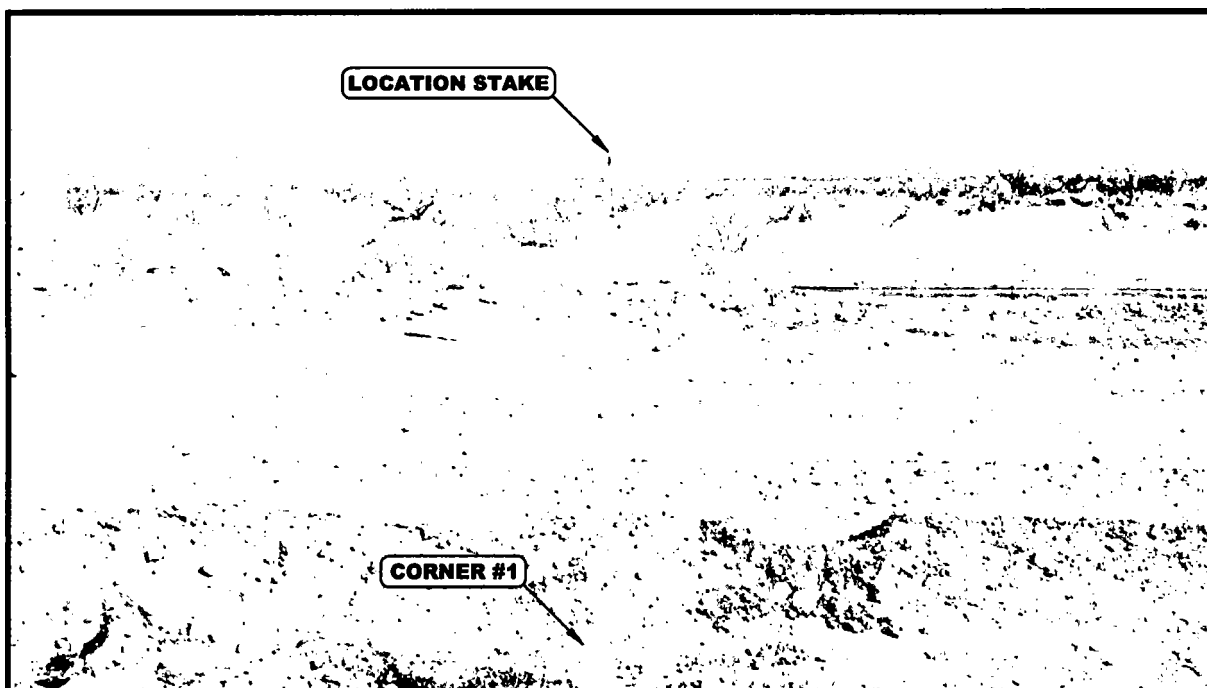


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY

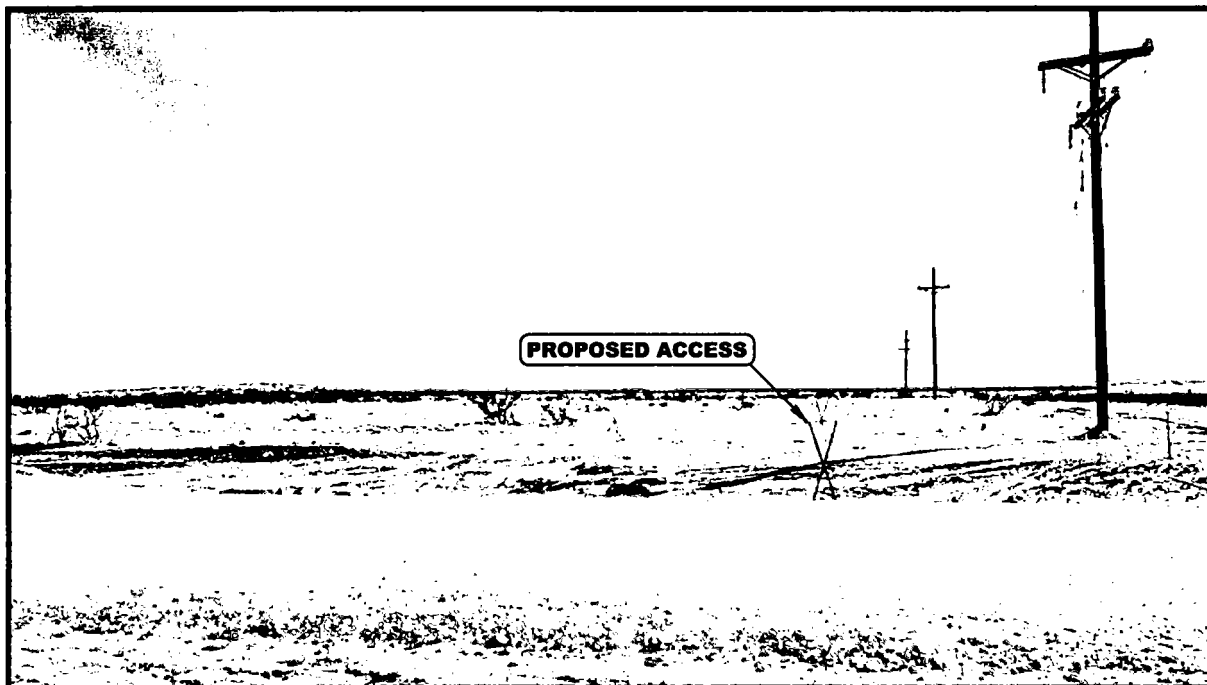


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY

## CENTENNIAL RESOURCE PRODUCTION, LLC

TOUR BUS 23 STATE 101H

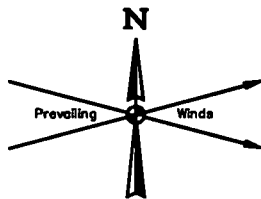
365' FNL 140' FEL

NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

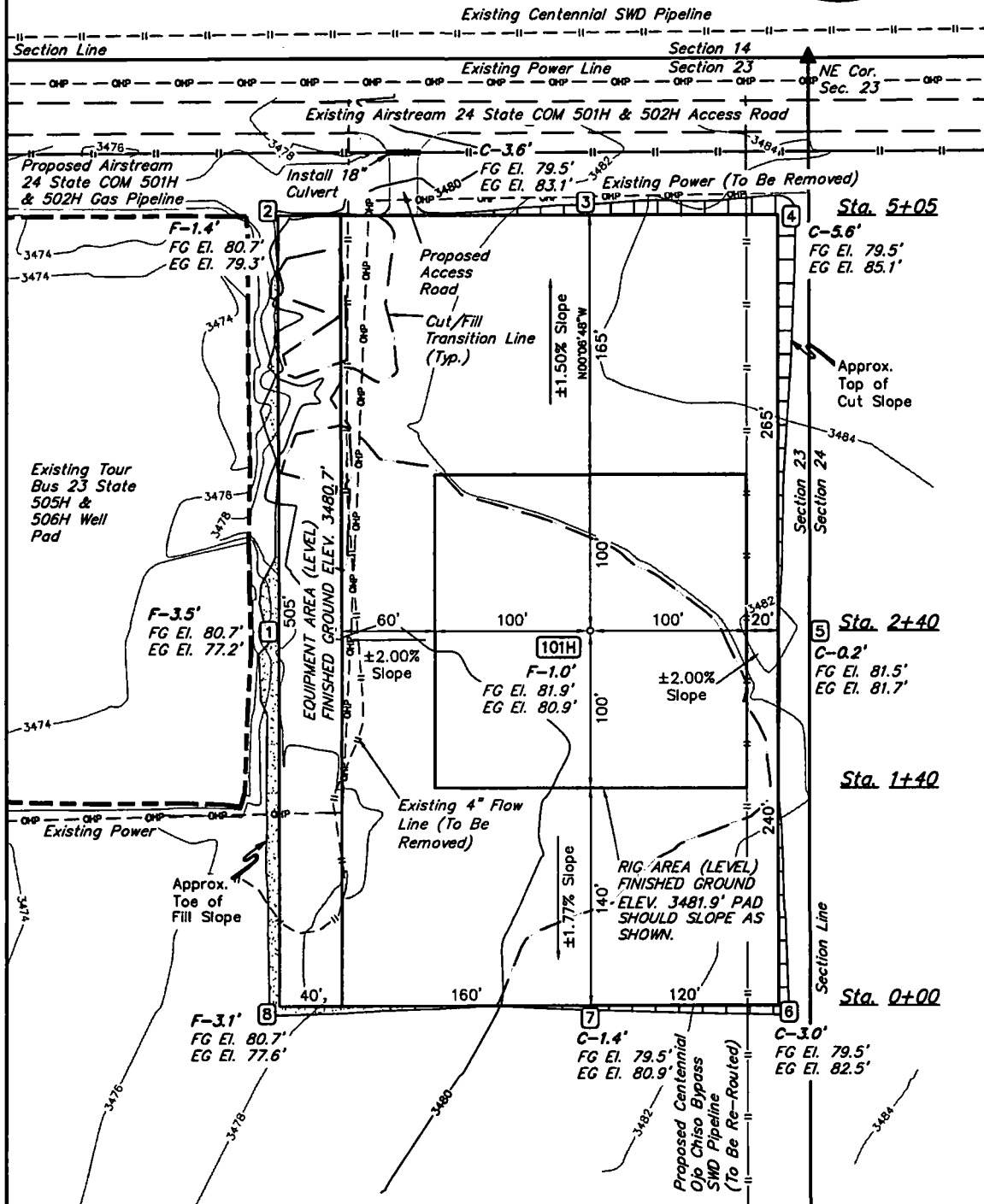
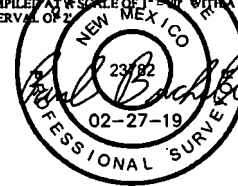
|                 |            |          |       |
|-----------------|------------|----------|-------|
| TAKEN BY        | B.B., C.H. | 02-15-19 |       |
| DRAWN BY        | S.T.O.     | 03-04-19 |       |
| LOCATION PHOTOS |            |          | PHOTO |



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



CERTIFICATE  
THIS MAP HAS BEEN PRODUCED ACCORDING TO  
PROCEDURES THAT HAVE BEEN DEMONSTRATED TO  
PRODUCE DATA THAT MEETS OR EXCEEDS THE  
MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP  
COMPILED AT A SCALE OF 1" = 80' WITH A CONTOUR  
INTERVAL OF 2'



NOTE: Earthwork Calculations Require a Fill of 1.0' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

**NOTES:**

- Contours shown at 2' intervals.
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Cut/Fill slopes are 2:1 (Typ. except where noted.)
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W 103° 53' 00"

**CENTENNIAL RESOURCE PRODUCTION, LLC**

**TOUR BUS 23 STATE 101H**

365' FNL 140' FEL  
NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

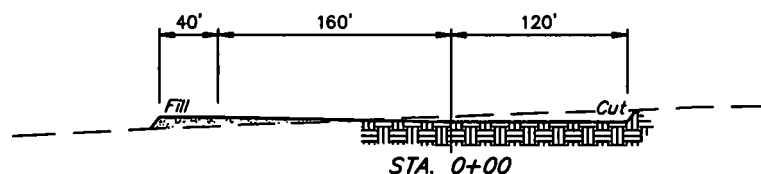
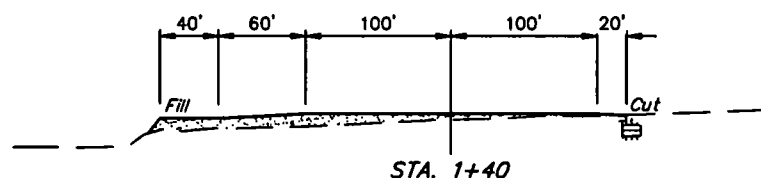
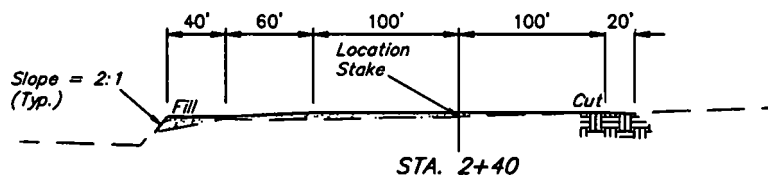
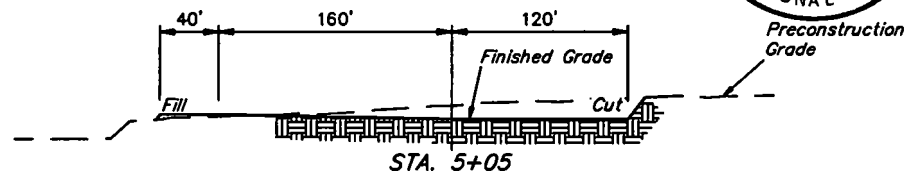
|             |            |          |          |
|-------------|------------|----------|----------|
| SURVEYED BY | B.B., C.H. | 02-15-19 | SCALE    |
| DRAWN BY    | J.N.       | 02-27-19 | 1" = 80' |

**LOCATION LAYOUT FIGURE #1**



**UELS, LLC**  
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Vernal, UT 84078 \* (435) 789-1017

1" = 40'  
X-Section  
Scale  
1" = 100'



| APPROXIMATE EARTHWORK QUANTITIES                   |                |
|----------------------------------------------------|----------------|
| CUT                                                | 5,030 Cu. Yds. |
| FILL                                               | 5,030 Cu. Yds. |
| EXCESS UNBALANCE<br>(After Interim Rehabilitation) | 0 Cu. Yds.     |

| APPROXIMATE SURFACE DISTURBANCE AREAS  |          |        |
|----------------------------------------|----------|--------|
|                                        | DISTANCE | ACRES  |
| WELL SITE DISTURBANCE                  | NA       | ±3.899 |
| 65' WIDE ACCESS ROAD R-O-W DISTURBANCE | ±52.27'  | ±0.078 |
| TOTAL SURFACE USE AREA                 |          | ±3.977 |

#### NOTES:

- Fill quantity includes 5% for compaction.
- Cut/Fill slopes 2:1 (Typ. except where noted)

#### CENTENNIAL RESOURCE PRODUCTION, LLC

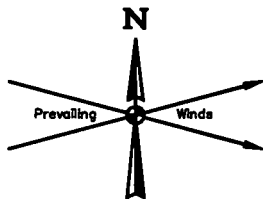
TOUR BUS 23 STATE 101H  
365' FNL 140' FEL  
NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

|             |            |          |          |
|-------------|------------|----------|----------|
| SURVEYED BY | B.B., C.H. | 02-15-19 | SCALE    |
| DRAWN BY    | J.N.       | 02-27-19 | AS SHOWN |

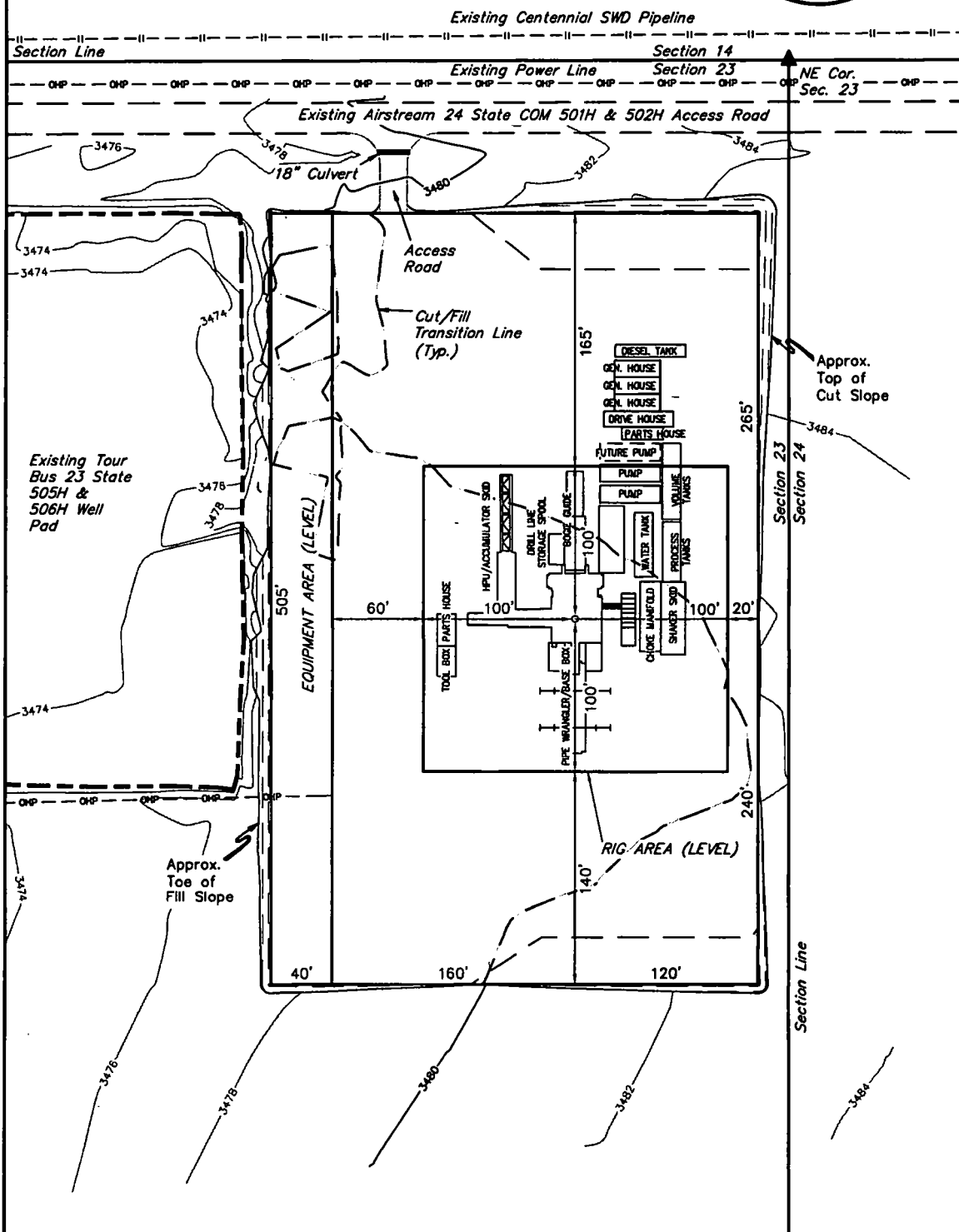
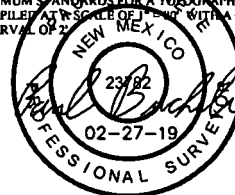
TYPICAL CROSS SECTIONS FIGURE #2



UELS, LLC  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



**CERTIFICATE**  
THIS MAP HAS BEEN PRODUCED ACCORDING TO  
PROCEDURES THAT HAVE BEEN DEMONSTRATED TO  
PRODUCE DATA THAT MEETS OR EXCEEDS THE  
MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP  
COMPILED AT A SCALE OF 1" = 80' WITH A CONTOUR  
INTERVAL OF 2'



**NOTES:**

- Contours shown at 2' intervals.

**CENTENNIAL RESOURCE PRODUCTION, LLC**

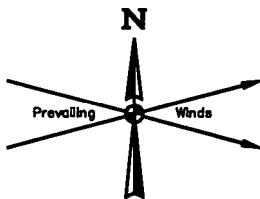
**TOUR BUS 23 STATE 101H**  
**365' FNL 140' FEL**  
**NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.**  
**LEA COUNTY, NEW MEXICO**

|             |            |          |          |
|-------------|------------|----------|----------|
| SURVEYED BY | B.B., C.H. | 02-15-19 | SCALE    |
| DRAWN BY    | J.N.       | 02-27-19 | 1" = 80' |

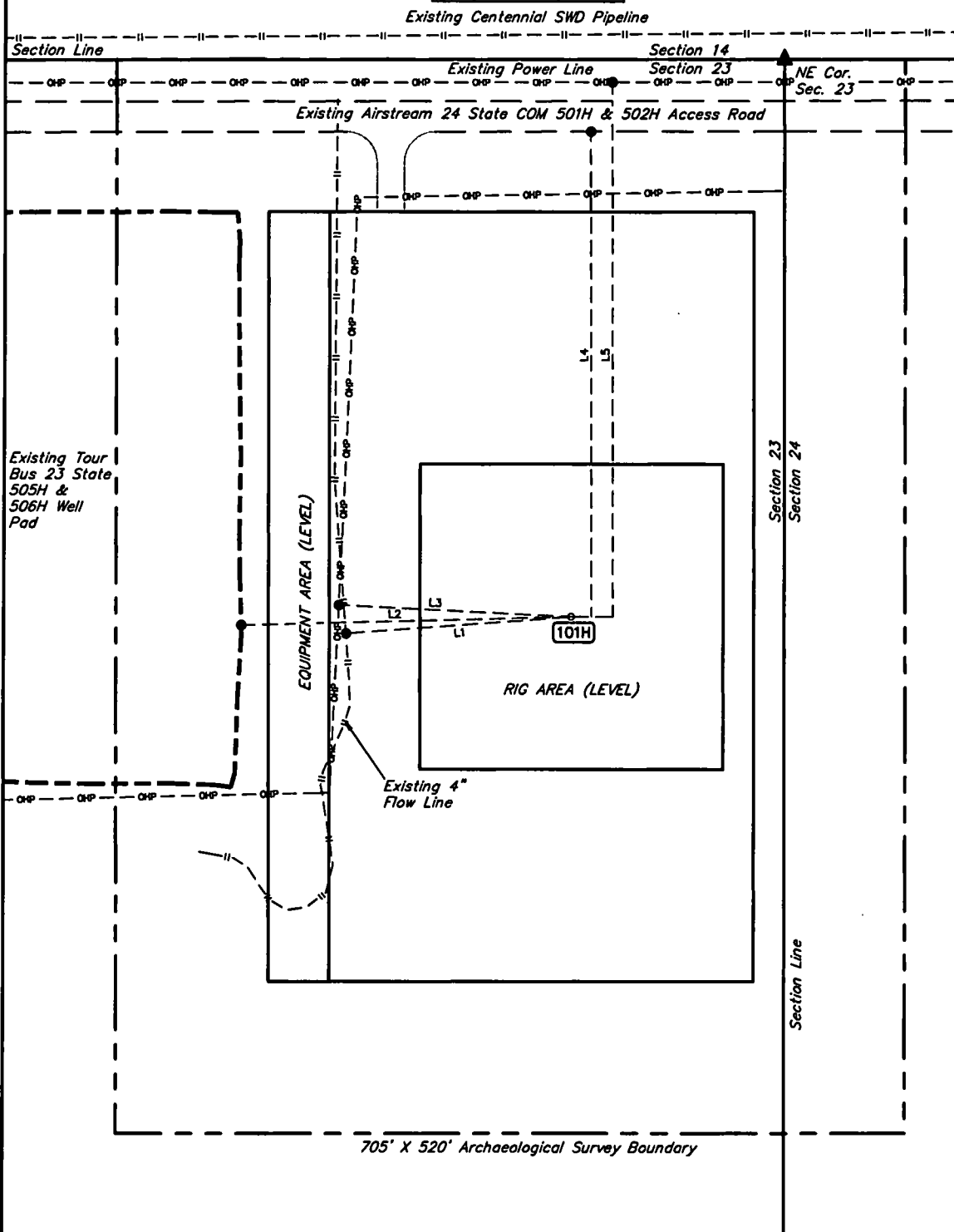
**TYPICAL RIG LAYOUT FIGURE #3**



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| LINE TABLE |           |        |
|------------|-----------|--------|
| LINE       | DIRECTION | LENGTH |
| L1         | S86°W     | 149'   |
| L2         | S88°W     | 218'   |
| L3         | N87°W     | 154'   |
| L4         | N00°W     | 318'   |
| L5         | N00°W     | 350'   |



#### NOTES:

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

#### CENTENNIAL RESOURCE PRODUCTION, LLC

TOUR BUS 23 STATE 101H  
365' FNL 140' FEL  
NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

|                                |            |           |          |
|--------------------------------|------------|-----------|----------|
| SURVEYED BY                    | B.B., C.H. | 02-15-19  | SCALE    |
| DRAWN BY                       | J.N.       | 02-27-19  | 1" = 80' |
| ARCHAEOLOGICAL SURVEY BOUNDARY |            | FIGURE #4 |          |



UELS, LLC  
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PROCEED IN A WESTERLY, THEN NORTHWESTERLY, THEN WESTERLY DIRECTION FROM JAL, NEW MEXICO ALONG NM-128 APPROXIMATELY 20.6 MILES TO THE JUNCTION OF THIS ROAD AND DELAWARE BASIN ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 12.2 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 32 TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 4.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE EXISTING CHISO 14 STATE 8711 #3H & #4H WELL PAD AND AN EXISTING ROAD TO THE SOUTH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 57' TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 52' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM JAL, NEW MEXICO TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 37.2 MILES.

# **CENTENNIAL RESOURCE PRODUCTION, LLC**

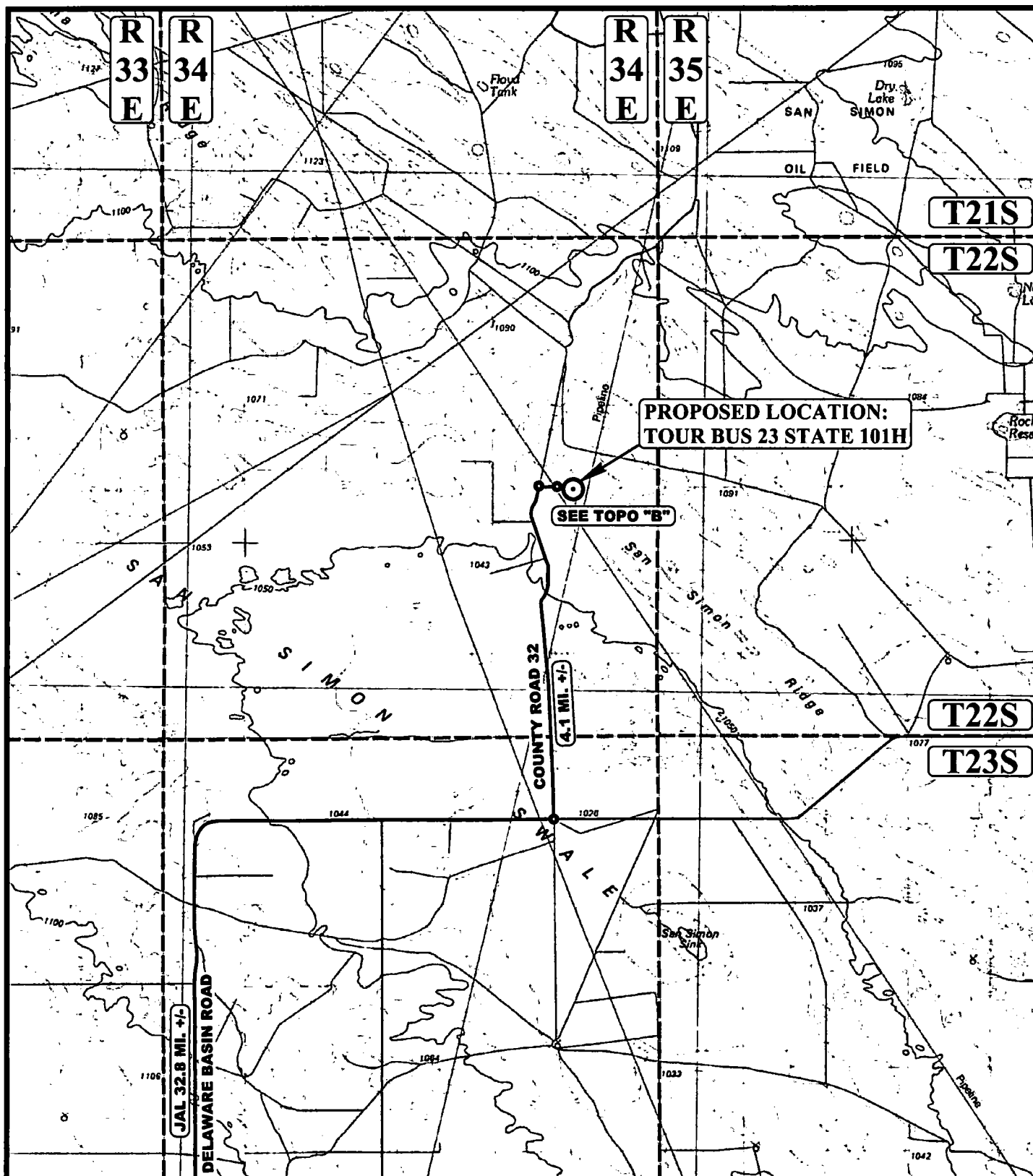
**TOUR BUS 23 STATE 101H  
365' FNL 140' FEL  
NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

|                    |                   |                 |  |
|--------------------|-------------------|-----------------|--|
| <b>SURVEYED BY</b> | <b>B.B., C.H.</b> | <b>02-15-19</b> |  |
| <b>DRAWN BY</b>    | <b>S.T.O.</b>     | <b>03-04-19</b> |  |

## **ROAD DESCRIPTION**



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**LEGEND:**

⊙ PROPOSED LOCATION



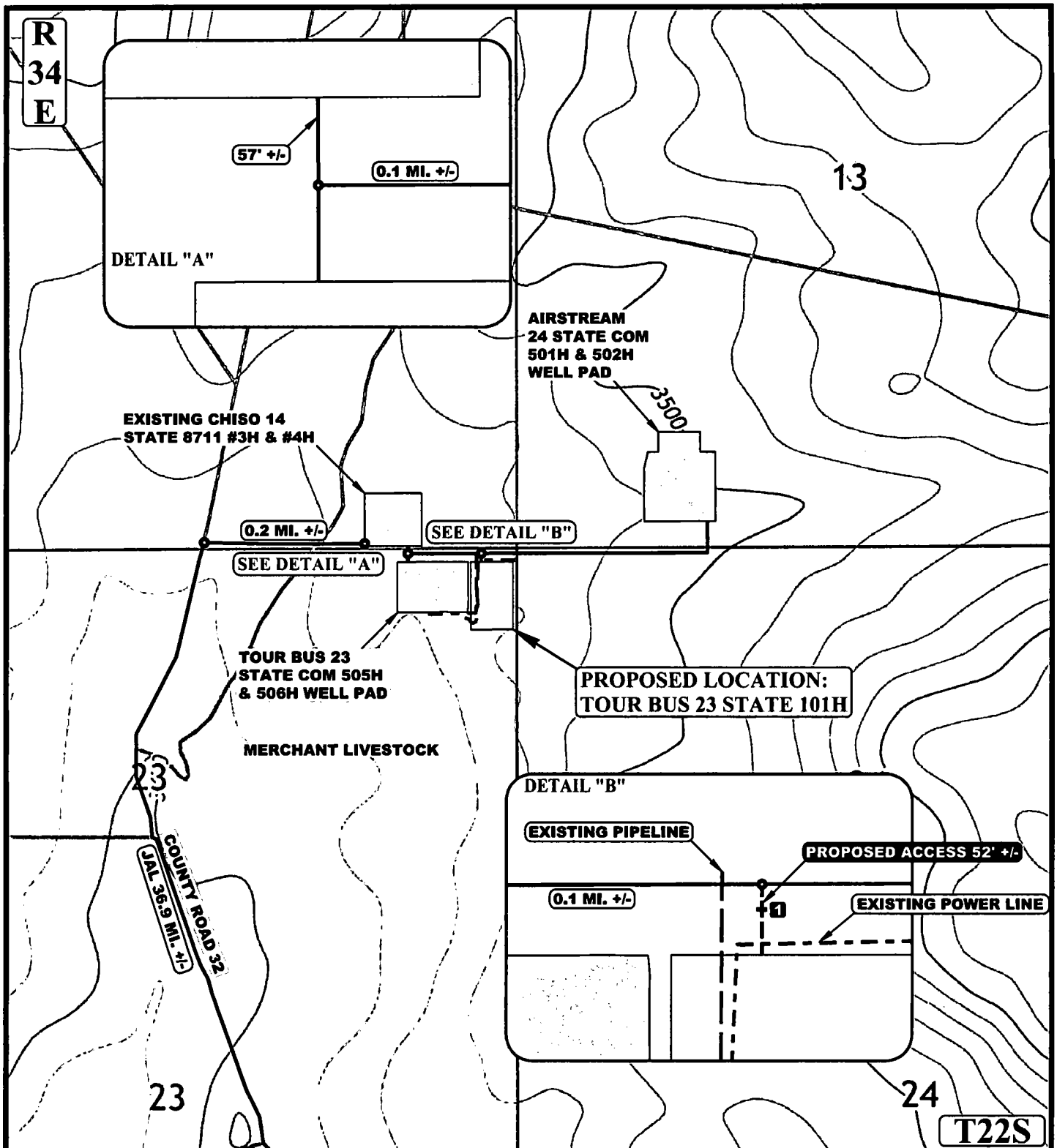
**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



**CENTENNIAL RESOURCE PRODUCTION, LLC**

**TOUR BUS 23 STATE 101H**  
365' FNL 140' FEL  
NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

|                 |            |          |             |
|-----------------|------------|----------|-------------|
| SURVEYED BY     | B.B., C.H. | 02-15-19 | SCALE       |
| DRAWN BY        | S.T.O.     | 03-04-19 | 1 : 100,000 |
| ACCESS ROAD MAP |            |          | TOPO A      |



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

#### LEGEND:

- EXISTING ROAD
- - - PROPOSED ROAD
- - - EXISTING POWER LINE
- - - EXISTING PIPELINE
- 1 INSTALL 18" CULVERT



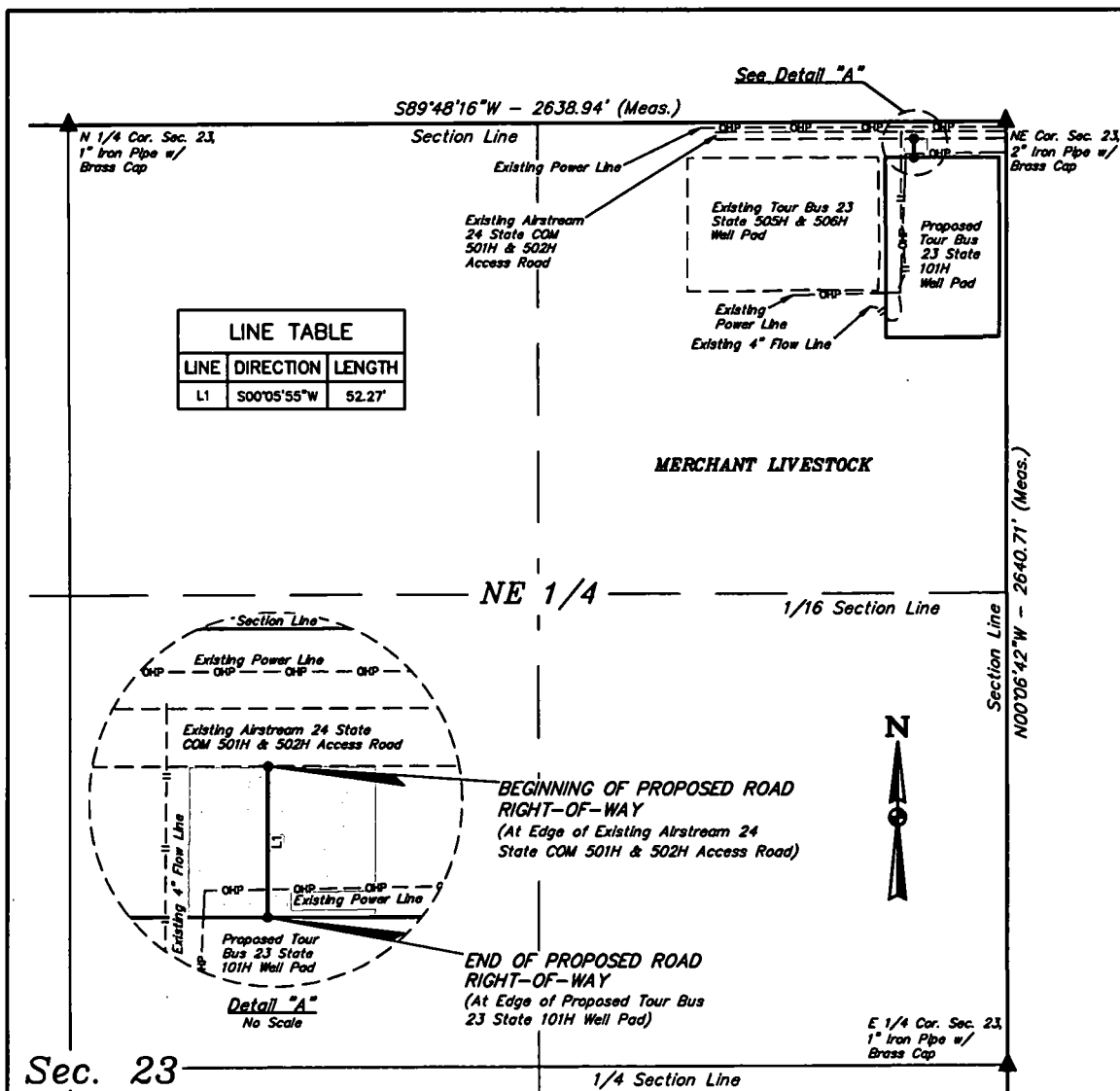
**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



**CENTENNIAL RESOURCE PRODUCTION, LLC**

**TOUR BUS 23 STATE 101H**  
365' FNL 140' FEL  
NE 1/4 NE 1/4, SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

|                        |            |          |               |
|------------------------|------------|----------|---------------|
| SURVEYED BY            | B.B., C.H. | 02-15-19 | SCALE         |
| DRAWN BY               | S.T.O.     | 03-04-19 | 1 : 24,000    |
| <b>ACCESS ROAD MAP</b> |            |          | <b>TOPO B</b> |



### ROAD RIGHT-OF-WAY DESCRIPTION

A 65' WIDE RIGHT-OF-WAY 37.5' ON THE LEFT 27.5' ON THE RIGHT SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

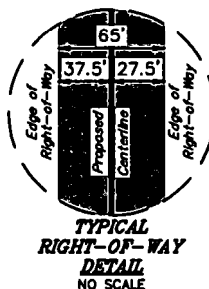
BEGINNING AT A POINT IN THE NE 1/4 NE 1/4 OF SECTION 23, T22S, R34E, N.M.P.M., WHICH BEARS S79°26'02\"W 263.92' FROM THE NORTHEAST CORNER OF SAID SECTION 23, THENCE S00°05'55\"W 52.27' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 23, WHICH BEARS S68°48'02\"W 278.37' FROM THE NORTHEAST CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00\". CONTAINS 0.078 ACRES MORE OR LESS.

BEGINNING OF ROAD BEARS S79°26'02\"W 263.92' FROM THE NORTHEAST CORNER OF SECTION 23, T22S, R34E, N.M.P.M.

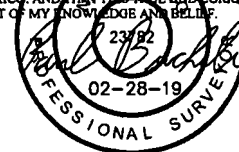
END OF ROAD BEARS S68°48'02\"W 278.37' FROM THE NORTHEAST CORNER OF SECTION 23, T22S, R34E, N.M.P.M.

| ACREAGE / LENGTH TABLE |      |       |
|------------------------|------|-------|
| FEET                   | RODS | ACRES |
| 52.27                  | 3.17 | 0.078 |

▲ = SECTION CORNERS LOCATED.



**CERTIFICATE**  
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



FILE: 65581

#### NOTES:

• Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00\"

### CENTENNIAL RESOURCE PRODUCTION, LLC

**TOUR BUS 23 STATE 101H  
ON MERCHANT LIVESTOCK LANDS IN  
SECTION 23, T22S, R34E, N.M.P.M.  
LEA COUNTY, NEW MEXICO**

|             |            |          |            |
|-------------|------------|----------|------------|
| SURVEYED BY | B.B., C.H. | 02-15-19 | SCALE      |
| DRAWN BY    | A.G.       | 02-28-19 | 1\" = 400' |

**ACCESS ROAD R-O-W**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017