

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

**District II**  
6111 S First St., Artesia, NM 88210  
Phone: (575) 743-1293 Fax: (575) 743-9720

**District III**  
1000 Rio Bravo 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  
**AS-DRILLED**

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

☐ AMENDED REPORT

**NMOCD**

JUN 11 2018

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                         |  |                                                             |  |                                            |  |                                       |  |
|-----------------------------------------|--|-------------------------------------------------------------|--|--------------------------------------------|--|---------------------------------------|--|
| <sup>1</sup> API Number<br>30-045-35857 |  | <sup>2</sup> Pool Code<br>97232                             |  | <sup>3</sup> Pool Name<br>Basin Mancos Gas |  | <sup>4</sup> District<br>DISTRICT III |  |
| <sup>5</sup> Property Code<br>319806    |  | <sup>6</sup> Property Name<br>Northeast Blanco Unit 605 Com |  |                                            |  | <sup>7</sup> Well Number<br>2H        |  |
| <sup>8</sup> OGRID No.<br>000778        |  | <sup>9</sup> Operator Name<br>BP America Production Company |  |                                            |  | <sup>10</sup> Elevation<br>6471       |  |

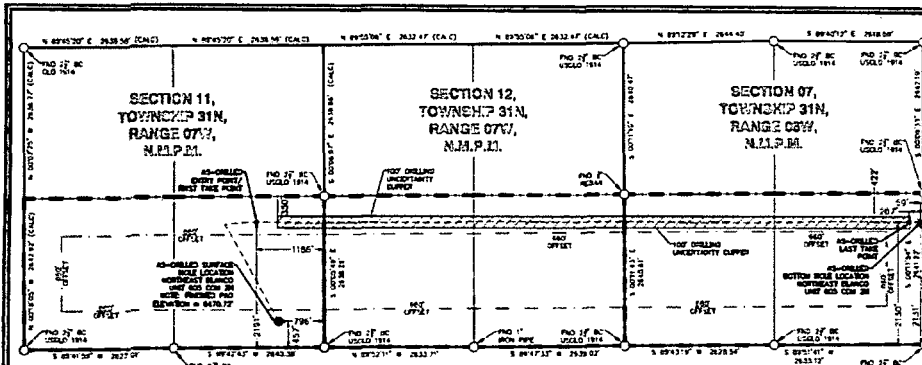
**Surface Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| P             | 11      | 31N      | 07W   |         | 457           | South            | 796           | East           | San Juan |

**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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| I             | 07      | 31N      | 06W   |         | 2131          | South            | 59            | East           | San Juan |

|                                                                                                                                                       |  |  |  |  |                               |  |                                  |  |                         |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------------|--|----------------------------------|--|-------------------------|--|
| <sup>12</sup> Dedicated Acres<br>960.00 - S/2 - SEC. 11, T31N, R07W<br>S/2 - SEC. 12, T31N, R07W<br>S/2 - SEC. 07, T31N, R06W                         |  |  |  |  | <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. |  |  |  |  |                               |  |                                  |  |                         |  |



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: R Marshall Date: 06/05/2018

Printed Name: Randall Marshall

E-mail Address: randall.marshall@bpx.com

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

6-13-17

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number: 17078

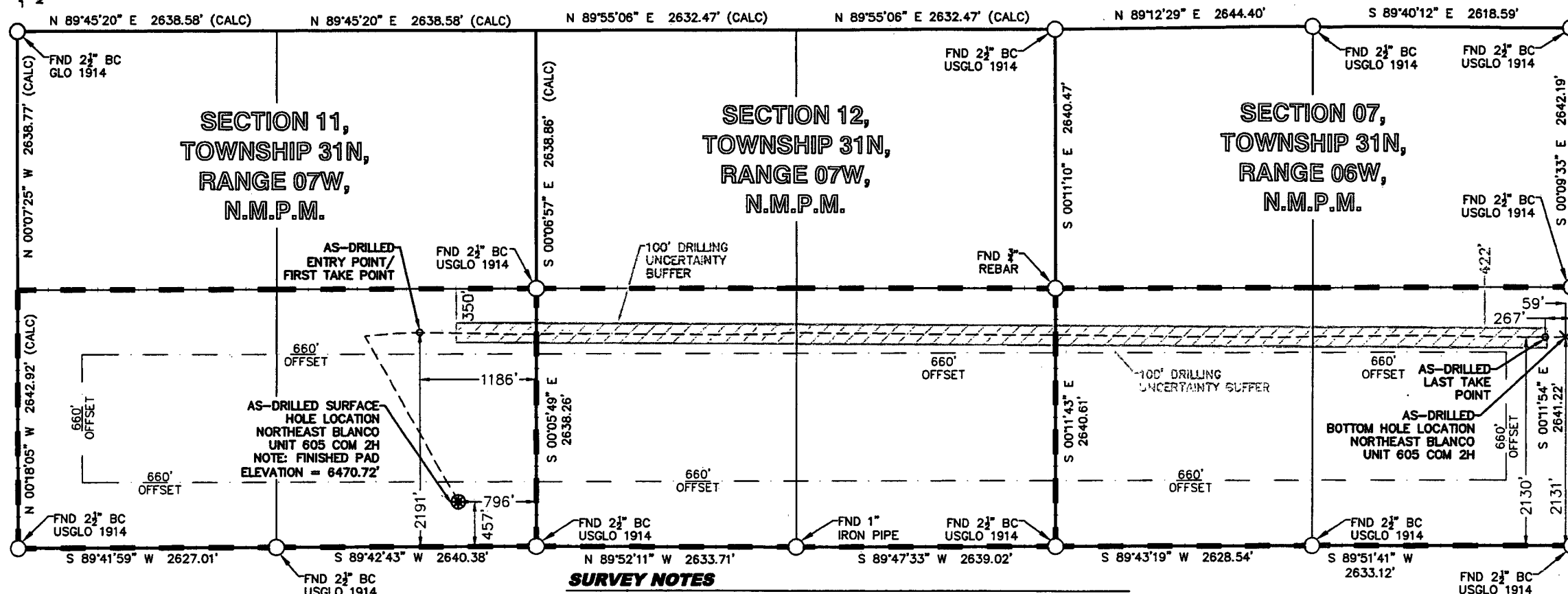
**MARSHALL W. LINDEEN**  
17078  
6-5-18  
PROFESSIONAL SURVEYOR

| NEBU 605 COM 2H                                    | NW 1/4 NAD'83                                  | NAD'83                                        | TIES                       |
|----------------------------------------------------|------------------------------------------------|-----------------------------------------------|----------------------------|
| AS-DRILLED SURFACE HOLE LOCATION (SHL)             | N (Y) = 2,149,989.99'<br>E (X) = 2,810,595.05' | LAT. = 36.90803828°N<br>LON. = 107.53403299°W | FSL = 457'<br>FEL = 796'   |
| AS-DRILLED ENTRY POINT (EP)/FIRST TAKE POINT (FTP) | N (Y) = 2,151,722.10'<br>E (X) = 2,810,201.50' | LAT. = 36.91279932°N<br>LON. = 107.53536059°W | FSL = 2191'<br>FEL = 1186' |
| AS-DRILLED LAST TAKE POINT (LTP)                   | N (Y) = 2,151,688.78'<br>E (X) = 2,821,651.12' | LAT. = 36.91260311°N<br>LON. = 107.49619636°W | FSL = 2130'<br>FEL = 267'  |
| AS-DRILLED BOTTOM HOLE LOCATION (BHL)              | N (Y) = 2,151,689.86'<br>E (X) = 2,821,859.44' | LAT. = 36.91260405°N<br>LON. = 107.49548377°W | FSL = 2131'<br>FEL = 59'   |

N

**LEGEND**  
 FOUND MONUMENT O  
 AS-DRILLED SURFACE HOLE LOCATION ●  
 AS-DRILLED BOTTOM HOLE LOCATION X

0 500 1000 2000  
 GRAPHIC SCALE IN FEET

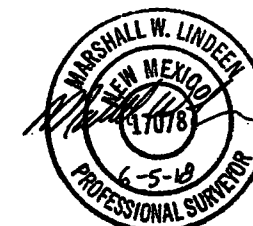


### SURVEY NOTES

1. BEARING BASIS FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN DATUM OF 1983, NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST NEW MEXICO, ZONE 3003.
2. ELEVATION BASIS FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID12A).
3. SURVEYED IN THE FIELD ON 06/13/2017.
4. BEARINGS AND DISTANCE SHOWN ARE MEASURED IN THE FIELD UNLESS OTHERWISE NOTED.
5. ALL MEASURED DISTANCES SHOWN ARE GRID USING A COMBINED SCALE FACTOR 0.99961912.
6. AS-DRILLED DATA SHOWN IS BASED ON AS-DRILLED REPORT PROVIDED BY SCIENTIFIC DRILLING DATED MAY 07, 2018.

### SURVEYOR'S CERTIFICATE

I, MARSHALL LINDEEN, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF NEW MEXICO, DO 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.



| NEBU 605 COM 2H                                    | NMWS NAD'83                                    | NAD'83                                        | TIES                       |
|----------------------------------------------------|------------------------------------------------|-----------------------------------------------|----------------------------|
| AS-DRILLED SURFACE HOLE LOCATION (SHL)             | N (Y) = 2,149,989.99'<br>E (X) = 2,810,595.05' | LAT. = 36.90803828°N<br>LON. = 107.53403299°W | FSL = 457'<br>FEL = 708'   |
| AS-DRILLED ENTRY POINT (EP)/FIRST TAKE POINT (FTP) | N (Y) = 2,151,722.10'<br>E (X) = 2,810,201.50' | LAT. = 36.91279932°N<br>LON. = 107.53536059°W | FSL = 2191'<br>FEL = 1198' |
| AS-DRILLED LAST TAKE POINT (LTP)                   | N (Y) = 2,151,688.78'<br>E (X) = 2,821,651.12' | LAT. = 36.91280311°N<br>LON. = 107.49619636°W | FSL = 2130'<br>FEL = 287'  |
| AS-DRILLED BOTTOM HOLE LOCATION (BHL)              | N (Y) = 2,151,689.86'<br>E (X) = 2,821,659.44' | LAT. = 36.91260405°N<br>LON. = 107.49548377°W | FSL = 2131'<br>FEL = 59'   |

DRAWN BY: CFW/RLM  
 CHECKED BY: [Signature]  
 SCALE: 1"=1000'  
 DATE: 06/05/2018  
 SHEET: 1 OF 1  
 REVISION:

bp  
 BP AMERICA  
 PRODUCTION COMPANY  
 US LOWER 48 ONSHORE

### AS-DRILLED PLAT

NORTHEAST BLANCO UNIT 605 COM 2H  
 PART OF SECTION 07, TOWNSHIP 31N,  
 RANGE 06W, N.M.P.M. AND SECTION 11 AND  
 SECTION 12, TOWNSHIP 31N, RANGE 07W, N.M.P.M.  
 SAN JUAN COUNTY, NEW MEXICO



**Scientific Drilling**

## Directional Survey Certification

2948 I-70 Business Loop  
Grand Junction, CO 81504  
(970)-245-9447 Fax (970)-245-9454

|                            |                     |
|----------------------------|---------------------|
| <b>Operator</b>            | <u>B.P.</u>         |
| <b>Well Name &amp; No.</b> | <u>NEBU 605 2H</u>  |
| <b>County &amp; State</b>  | <u>San Juan, NM</u> |
| <b>SDI Job No.</b>         | <u>OP.008769</u>    |
| <b>Rig</b>                 | <u>Aztec 1000</u>   |

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 158 feet to a measured depth of 19,310 feet is true and correct as determined from all available records.

Signature

7-May-18

Date

### Janie Collins

Colorado District Well Planner  
Scientific Drilling International



**B.P.**

**San Juan County, NM NAD83**

**NEBU 605 Pad**

**NEBU 605 2H**

**OH**

**Design: OH**

## **Standard Survey Report**

**07 May, 2018**



[www.scientificdrilling.com](http://www.scientificdrilling.com)

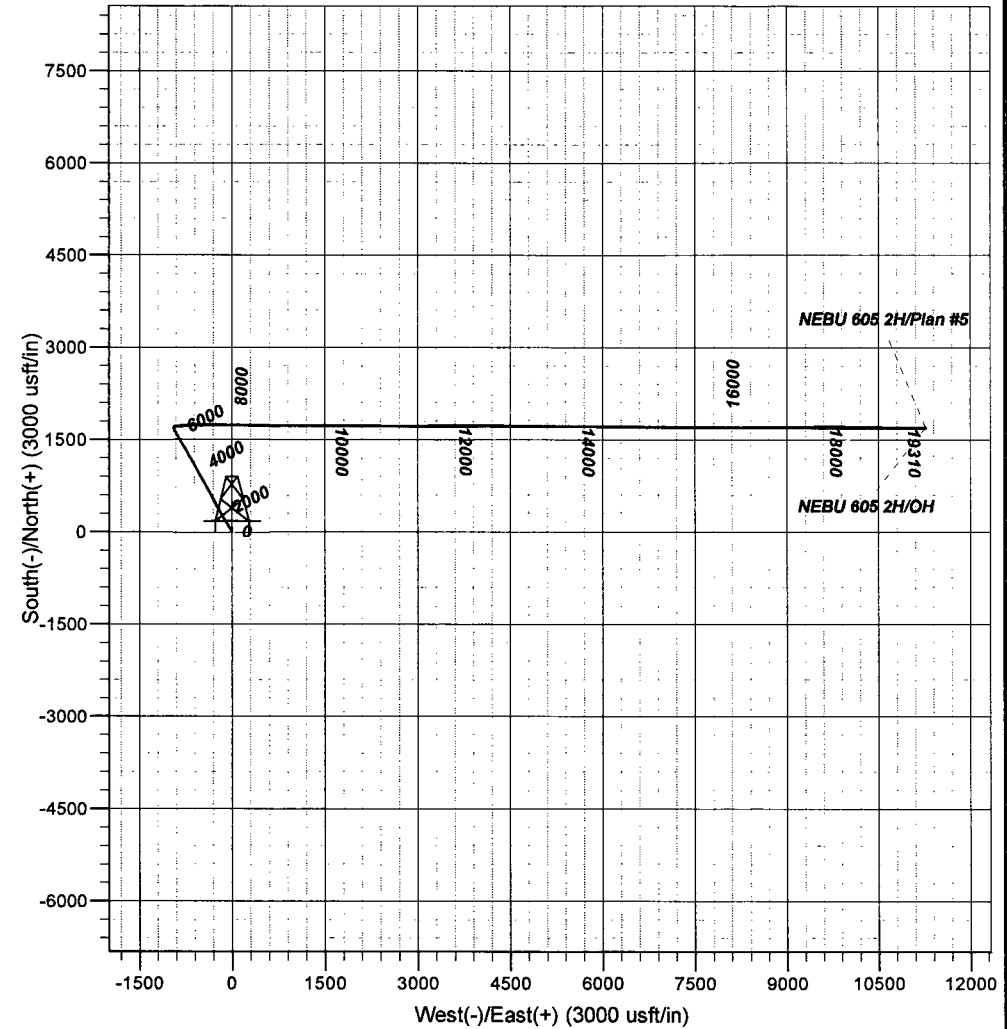
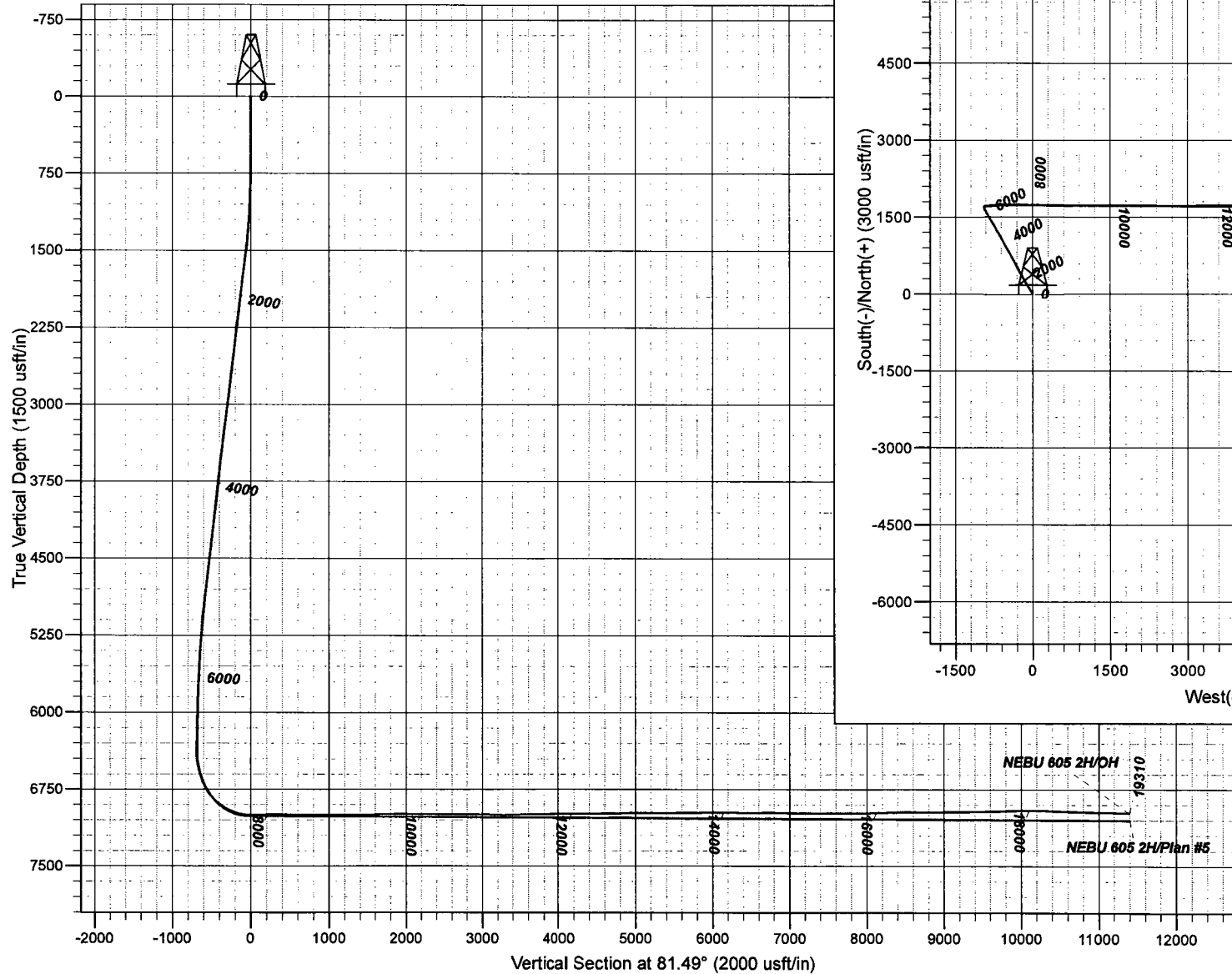


Company Name: B.P.  
Project: San Juan County, NM NAD83  
Site: NEBU 605 Pad  
Well: NEBU 605 2H  
Wellbore: OH



WELL DETAILS: NEBU 605 2H

| +N/-S | +E/-W | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) 6471.00 |            |            |              |
|-------|-------|-------------------------------------------------------|------------|------------|--------------|
| 0.00  | 0.00  | Northing                                              | Easting    | Latitude   | Longitude    |
|       |       | 2149990.20                                            | 2810594.16 | 36.9080389 | -107.5340360 |



Design: OH (NEBU 605 2H/OH)  
Created By: Janie Collins Date: 11:54, May 07 2018

PROJECT DETAILS: San Juan County, NM NAD83

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Western Zone

System Datum: Mean Sea Level  
Local North: Grid



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

|             |                           |               |                |
|-------------|---------------------------|---------------|----------------|
| Project     | San Juan County, NM NAD83 |               |                |
| Map System: | US State Plane 1983       | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983 |               |                |
| Map Zone:   | New Mexico Western Zone   |               |                |

|                       |              |                   |                   |
|-----------------------|--------------|-------------------|-------------------|
| Site                  | NEBU 605 Pad |                   |                   |
| Site Position:        |              | Northing:         | 2,149,972.24 usft |
| From:                 | Map          | Easting:          | 2,810,585.35 usft |
| Position Uncertainty: | 0.00 usft    | Slot Radius:      | 13.20 in          |
|                       |              | Latitude:         | 36.9079896        |
|                       |              | Longitude:        | -107.5340664      |
|                       |              | Grid Convergence: | 0.18 °            |

|                      |             |                     |               |
|----------------------|-------------|---------------------|---------------|
| Well                 | NEBU 605 2H |                     |               |
| Well Position        | +N/-S       | 0.00 usft           | Northing:     |
|                      | +E/-W       | 0.00 usft           | Easting:      |
| Position Uncertainty | 0.00 usft   | Wellhead Elevation: | 0.00 usft     |
|                      |             | Latitude:           | 36.9080388    |
|                      |             | Longitude:          | -107.5340361  |
|                      |             | Ground Level:       | 6,471.00 usft |

|           |            |             |                |
|-----------|------------|-------------|----------------|
| Wellbore  | OH         |             |                |
| Magnetics | Model Name | Sample Date | Declination    |
|           |            |             | (°)            |
|           | HDGM       | 10/20/2017  | 9.05           |
|           |            |             | Dip Angle      |
|           |            |             | (°)            |
|           |            |             | 63.50          |
|           |            |             | Field Strength |
|           |            |             | (nT)           |
|           |            |             | 50,006         |

|                   |                  |               |           |
|-------------------|------------------|---------------|-----------|
| Design            | OH               |               |           |
| Audit Notes:      |                  |               |           |
| Version:          | 1.0              | Phase:        | ACTUAL    |
|                   |                  | Tie On Depth: | 0.00      |
| Vertical Section: | Depth From (TVD) | +N/-S         | +E/-W     |
|                   | (usft)           | (usft)        | (usft)    |
|                   | 0.00             | 0.00          | 0.00      |
|                   |                  |               | Direction |
|                   |                  |               | (°)       |
|                   |                  |               | 81.49     |

|                |                |                                          |                              |
|----------------|----------------|------------------------------------------|------------------------------|
| Survey Program | Date 3/26/2018 |                                          |                              |
| From           | To             | Survey (Wellbore)                        | Tool Name                    |
| (usft)         | (usft)         |                                          |                              |
| 11.00          | 991.00         | Survey #1 - Surface MWD Survey (OH)      | SDI MWD                      |
| 1,095.00       | 6,672.00       | Survey #2 - Intermediate MWD Survey (OH) | SDI MWD                      |
| 6,720.00       | 19,310.00      | Survey #3 - Lateral MWD Survey (OH)      | SDI MWD                      |
|                |                |                                          | Description                  |
|                |                |                                          | SDI MWD - Standard ver 1.0.1 |
|                |                |                                          | SDI MWD - Standard ver 1.0.1 |
|                |                |                                          | SDI MWD - Standard ver 1.0.1 |

|          |             |         |          |        |        |          |             |             |             |
|----------|-------------|---------|----------|--------|--------|----------|-------------|-------------|-------------|
| Survey   |             |         |          |        |        |          |             |             |             |
| Measured | Inclination | Azimuth | Vertical | +N/-S  | +E/-W  | Vertical | Dogleg      | Build       | Turn        |
| Depth    | (°)         | (°)     | Depth    | (usft) | (usft) | Section  | Rate        | Rate        | Rate        |
| (usft)   |             |         | (usft)   |        |        | (usft)   | (°/100usft) | (°/100usft) | (°/100usft) |
| 0.00     | 0.00        | 0.00    | 0.00     | 0.00   | 0.00   | 0.00     | 0.00        | 0.00        | 0.00        |
| 11.00    | 0.00        | 0.00    | 11.00    | 0.00   | 0.00   | 0.00     | 0.00        | 0.00        | 0.00        |
| 158.00   | 0.00        | 0.00    | 158.00   | 0.00   | 0.00   | 0.00     | 0.00        | 0.00        | 0.00        |
| 436.00   | 0.09        | 120.67  | 436.00   | -0.11  | 0.19   | 0.17     | 0.03        | 0.03        | 0.00        |
| 498.00   | 0.88        | 347.78  | 498.00   | 0.33   | 0.13   | 0.18     | 1.52        | 1.27        | -214.34     |
| 560.00   | 1.50        | 348.66  | 559.98   | 1.59   | -0.13  | 0.11     | 1.00        | 1.00        | 1.42        |
| 622.00   | 2.99        | 335.65  | 621.93   | 3.86   | -0.96  | -0.38    | 2.52        | 2.40        | -20.98      |
| 684.00   | 3.34        | 345.14  | 683.84   | 7.08   | -2.09  | -1.02    | 1.01        | 0.56        | 15.31       |
| 746.00   | 4.22        | 334.51  | 745.71   | 10.88  | -3.53  | -1.88    | 1.81        | 1.42        | -17.15      |



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 807.00                | 5.19            | 341.54      | 806.50                | 15.53        | -5.37        | -3.02                   | 1.85                    | 1.59                   | 11.52                 |
| 869.00                | 6.51            | 338.46      | 868.18                | 21.46        | -7.55        | -4.29                   | 2.19                    | 2.13                   | -4.97                 |
| 930.00                | 7.39            | 334.42      | 928.73                | 28.21        | -10.51       | -6.22                   | 1.65                    | 1.44                   | -6.62                 |
| 991.00                | 8.53            | 337.50      | 989.14                | 35.93        | -13.94       | -8.47                   | 1.99                    | 1.87                   | 5.05                  |
| 1,095.00              | 11.23           | 330.40      | 1,091.59              | 51.86        | -21.89       | -13.98                  | 2.84                    | 2.60                   | -6.83                 |
| 1,126.00              | 12.51           | 329.80      | 1,121.93              | 57.39        | -25.07       | -16.31                  | 4.15                    | 4.13                   | -1.94                 |
| 1,187.00              | 14.90           | 328.67      | 1,181.19              | 69.80        | -32.48       | -21.79                  | 3.94                    | 3.92                   | -1.85                 |
| 1,249.00              | 15.99           | 328.44      | 1,240.95              | 83.89        | -41.09       | -28.23                  | 1.76                    | 1.76                   | -0.37                 |
| 1,311.00              | 16.36           | 328.74      | 1,300.49              | 98.63        | -50.09       | -34.95                  | 0.61                    | 0.60                   | 0.48                  |
| 1,372.00              | 17.55           | 328.51      | 1,358.84              | 113.81       | -59.35       | -41.86                  | 1.95                    | 1.95                   | -0.38                 |
| 1,421.00              | 18.87           | 328.26      | 1,405.38              | 126.85       | -67.38       | -47.87                  | 2.70                    | 2.69                   | -0.51                 |
| 1,498.00              | 20.47           | 328.52      | 1,477.89              | 148.93       | -80.96       | -58.03                  | 2.08                    | 2.08                   | 0.34                  |
| 1,561.00              | 20.44           | 329.41      | 1,536.92              | 167.79       | -92.32       | -66.47                  | 0.50                    | -0.05                  | 1.41                  |
| 1,624.00              | 22.12           | 329.20      | 1,595.62              | 187.45       | -103.99      | -75.10                  | 2.67                    | 2.67                   | -0.33                 |
| 1,688.00              | 23.39           | 329.79      | 1,654.64              | 208.78       | -116.55      | -84.37                  | 2.02                    | 1.98                   | 0.92                  |
| 1,751.00              | 24.30           | 330.54      | 1,712.26              | 230.87       | -129.22      | -93.63                  | 1.52                    | 1.44                   | 1.19                  |
| 1,814.00              | 24.81           | 328.76      | 1,769.56              | 253.46       | -142.45      | -103.37                 | 1.43                    | 0.81                   | -2.83                 |
| 1,877.00              | 24.75           | 329.78      | 1,826.76              | 276.16       | -155.94      | -113.36                 | 0.69                    | -0.10                  | 1.62                  |
| 1,940.00              | 24.45           | 331.89      | 1,884.04              | 299.05       | -168.72      | -122.61                 | 1.47                    | -0.48                  | 3.35                  |
| 2,004.00              | 24.84           | 331.86      | 1,942.21              | 322.59       | -181.30      | -131.57                 | 0.61                    | 0.61                   | -0.05                 |
| 2,067.00              | 24.94           | 329.21      | 1,999.36              | 345.67       | -194.34      | -141.05                 | 1.78                    | 0.16                   | -4.21                 |
| 2,130.00              | 24.66           | 329.40      | 2,056.55              | 368.39       | -207.83      | -151.03                 | 0.46                    | -0.44                  | 0.30                  |
| 2,193.00              | 24.24           | 331.58      | 2,113.91              | 391.08       | -220.68      | -160.38                 | 1.58                    | -0.67                  | 3.46                  |
| 2,256.00              | 24.35           | 329.63      | 2,171.33              | 413.66       | -233.40      | -169.62                 | 1.29                    | 0.17                   | -3.10                 |
| 2,319.00              | 24.63           | 330.94      | 2,228.66              | 436.34       | -246.34      | -179.06                 | 0.97                    | 0.44                   | 2.08                  |
| 2,382.00              | 24.56           | 333.59      | 2,285.95              | 459.54       | -258.54      | -187.69                 | 1.75                    | -0.11                  | 4.21                  |
| 2,445.00              | 23.81           | 333.32      | 2,343.42              | 482.63       | -270.08      | -195.68                 | 1.20                    | -1.19                  | -0.43                 |
| 2,508.00              | 23.80           | 333.31      | 2,401.06              | 505.35       | -281.50      | -203.61                 | 0.02                    | -0.02                  | -0.02                 |
| 2,571.00              | 23.85           | 331.91      | 2,458.69              | 527.95       | -293.20      | -211.85                 | 0.90                    | 0.08                   | -2.22                 |
| 2,634.00              | 24.48           | 331.14      | 2,516.17              | 550.62       | -305.50      | -220.66                 | 1.12                    | 1.00                   | -1.22                 |
| 2,698.00              | 23.92           | 333.31      | 2,574.54              | 573.82       | -317.73      | -229.32                 | 1.64                    | -0.88                  | 3.39                  |
| 2,761.00              | 23.50           | 333.56      | 2,632.23              | 596.48       | -329.06      | -237.17                 | 0.69                    | -0.67                  | 0.40                  |
| 2,824.00              | 23.98           | 332.53      | 2,689.90              | 619.09       | -340.56      | -245.19                 | 1.01                    | 0.76                   | -1.63                 |
| 2,887.00              | 23.98           | 332.24      | 2,747.46              | 641.77       | -352.43      | -253.57                 | 0.19                    | 0.00                   | -0.46                 |
| 2,950.00              | 24.46           | 331.13      | 2,804.91              | 664.52       | -364.69      | -262.33                 | 1.05                    | 0.76                   | -1.76                 |
| 3,013.00              | 24.53           | 329.79      | 2,862.24              | 687.25       | -377.56      | -271.71                 | 0.89                    | 0.11                   | -2.13                 |
| 3,077.00              | 24.43           | 330.07      | 2,920.49              | 710.20       | -390.85      | -281.45                 | 0.24                    | -0.16                  | 0.44                  |
| 3,140.00              | 24.34           | 328.05      | 2,977.87              | 732.51       | -404.22      | -291.37                 | 1.33                    | -0.14                  | -3.21                 |
| 3,203.00              | 24.25           | 328.57      | 3,035.29              | 754.56       | -417.84      | -301.58                 | 0.37                    | -0.14                  | 0.83                  |
| 3,266.00              | 23.74           | 330.65      | 3,092.85              | 776.65       | -430.80      | -311.13                 | 1.57                    | -0.81                  | 3.30                  |
| 3,329.00              | 23.41           | 329.65      | 3,150.59              | 798.51       | -443.34      | -320.30                 | 0.82                    | -0.52                  | -1.59                 |
| 3,392.00              | 23.21           | 329.75      | 3,208.45              | 820.03       | -455.92      | -329.55                 | 0.32                    | -0.32                  | 0.16                  |
| 3,455.00              | 22.64           | 328.29      | 3,266.47              | 841.07       | -468.55      | -338.92                 | 1.28                    | -0.90                  | -2.32                 |



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

| 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) |  |
| 3,519.00              | 23.48           | 329.16      | 3,325.36              | 862.50       | -481.56      | -348.62                 | 1.42                    | 1.31                   | 1.36                  |  |
| 3,582.00              | 23.84           | 332.07      | 3,383.06              | 884.52       | -493.96      | -357.62                 | 1.94                    | 0.57                   | 4.62                  |  |
| 3,645.00              | 24.67           | 332.87      | 3,440.50              | 907.47       | -505.91      | -366.05                 | 1.42                    | 1.32                   | 1.27                  |  |
| 3,708.00              | 25.29           | 331.81      | 3,497.61              | 931.04       | -518.27      | -374.78                 | 1.21                    | 0.98                   | -1.68                 |  |
| 3,771.00              | 24.92           | 332.20      | 3,554.66              | 954.64       | -530.81      | -383.70                 | 0.64                    | -0.59                  | 0.62                  |  |
| 3,834.00              | 23.45           | 332.78      | 3,612.13              | 977.53       | -542.74      | -392.11                 | 2.36                    | -2.33                  | 0.92                  |  |
| 3,897.00              | 23.42           | 333.50      | 3,669.93              | 999.88       | -554.06      | -400.00                 | 0.46                    | -0.05                  | 1.14                  |  |
| 3,960.00              | 23.37           | 332.01      | 3,727.75              | 1,022.12     | -565.51      | -408.03                 | 0.94                    | -0.08                  | -2.37                 |  |
| 4,024.00              | 22.89           | 330.89      | 3,786.61              | 1,044.20     | -577.52      | -416.64                 | 1.02                    | -0.75                  | -1.75                 |  |
| 4,087.00              | 22.33           | 331.11      | 3,844.76              | 1,065.39     | -589.27      | -425.12                 | 0.90                    | -0.89                  | 0.35                  |  |
| 4,150.00              | 21.77           | 328.69      | 3,903.16              | 1,085.85     | -601.12      | -433.82                 | 1.69                    | -0.89                  | -3.84                 |  |
| 4,213.00              | 21.96           | 329.92      | 3,961.63              | 1,106.02     | -613.09      | -442.67                 | 0.79                    | 0.30                   | 1.95                  |  |
| 4,276.00              | 22.18           | 329.42      | 4,020.01              | 1,126.45     | -625.05      | -451.47                 | 0.46                    | 0.35                   | -0.79                 |  |
| 4,339.00              | 22.12           | 329.64      | 4,078.36              | 1,146.92     | -637.09      | -460.36                 | 0.16                    | -0.10                  | 0.35                  |  |
| 4,402.00              | 22.44           | 330.74      | 4,136.66              | 1,167.65     | -648.97      | -469.03                 | 0.83                    | 0.51                   | 1.75                  |  |
| 4,466.00              | 22.11           | 330.56      | 4,195.88              | 1,188.79     | -660.86      | -477.66                 | 0.53                    | -0.52                  | -0.28                 |  |
| 4,529.00              | 23.77           | 332.52      | 4,253.90              | 1,210.39     | -672.54      | -486.02                 | 2.90                    | 2.63                   | 3.11                  |  |
| 4,592.00              | 24.60           | 331.98      | 4,311.37              | 1,233.23     | -684.56      | -494.53                 | 1.36                    | 1.32                   | -0.86                 |  |
| 4,655.00              | 24.36           | 331.45      | 4,368.70              | 1,256.21     | -696.93      | -503.36                 | 0.52                    | -0.38                  | -0.84                 |  |
| 4,718.00              | 23.61           | 329.52      | 4,426.26              | 1,278.50     | -709.54      | -512.53                 | 1.72                    | -1.19                  | -3.06                 |  |
| 4,782.00              | 23.87           | 329.50      | 4,484.85              | 1,300.70     | -722.61      | -522.18                 | 0.41                    | 0.41                   | -0.03                 |  |
| 4,845.00              | 23.42           | 331.36      | 4,542.56              | 1,322.68     | -735.09      | -531.26                 | 1.38                    | -0.71                  | 2.95                  |  |
| 4,908.00              | 23.20           | 329.61      | 4,600.42              | 1,344.37     | -747.36      | -540.19                 | 1.15                    | -0.35                  | -2.78                 |  |
| 4,971.00              | 22.85           | 328.47      | 4,658.40              | 1,365.50     | -760.04      | -549.60                 | 0.90                    | -0.56                  | -1.81                 |  |
| 5,034.00              | 22.31           | 327.31      | 4,716.57              | 1,385.99     | -772.89      | -559.28                 | 1.11                    | -0.86                  | -1.84                 |  |
| 5,097.00              | 22.25           | 328.11      | 4,774.87              | 1,406.18     | -785.65      | -568.91                 | 0.49                    | -0.10                  | 1.27                  |  |
| 5,161.00              | 21.77           | 329.33      | 4,834.20              | 1,426.68     | -798.11      | -578.20                 | 1.04                    | -0.75                  | 1.91                  |  |
| 5,224.00              | 21.17           | 329.15      | 4,892.83              | 1,446.49     | -809.90      | -586.93                 | 0.96                    | -0.95                  | -0.29                 |  |
| 5,287.00              | 20.68           | 328.98      | 4,951.68              | 1,465.79     | -821.47      | -595.51                 | 0.78                    | -0.78                  | -0.27                 |  |
| 5,350.00              | 19.51           | 330.45      | 5,010.84              | 1,484.48     | -832.39      | -603.55                 | 2.02                    | -1.86                  | 2.33                  |  |
| 5,413.00              | 18.11           | 332.00      | 5,070.47              | 1,502.27     | -842.17      | -610.59                 | 2.36                    | -2.22                  | 2.46                  |  |
| 5,477.00              | 18.03           | 330.18      | 5,131.32              | 1,519.65     | -851.77      | -617.51                 | 0.89                    | -0.13                  | -2.84                 |  |
| 5,540.00              | 15.98           | 329.47      | 5,191.56              | 1,535.58     | -861.02      | -624.31                 | 3.27                    | -3.25                  | -1.13                 |  |
| 5,603.00              | 14.91           | 331.63      | 5,252.29              | 1,550.18     | -869.28      | -630.31                 | 1.93                    | -1.70                  | 3.43                  |  |
| 5,666.00              | 15.14           | 330.04      | 5,313.13              | 1,564.44     | -877.24      | -636.07                 | 0.75                    | 0.37                   | -2.52                 |  |
| 5,729.00              | 14.83           | 330.31      | 5,373.99              | 1,578.57     | -885.34      | -642.00                 | 0.50                    | -0.49                  | 0.43                  |  |
| 5,792.00              | 13.88           | 329.96      | 5,435.02              | 1,592.12     | -893.12      | -647.68                 | 1.51                    | -1.51                  | -0.56                 |  |
| 5,856.00              | 12.25           | 330.82      | 5,497.36              | 1,604.69     | -900.27      | -652.90                 | 2.56                    | -2.55                  | 1.34                  |  |
| 5,920.00              | 10.87           | 332.34      | 5,560.06              | 1,615.97     | -906.39      | -657.27                 | 2.21                    | -2.16                  | 2.38                  |  |
| 5,983.00              | 9.32            | 332.71      | 5,622.09              | 1,625.76     | -911.48      | -660.86                 | 2.46                    | -2.46                  | 0.59                  |  |
| 6,046.00              | 7.76            | 332.12      | 5,684.39              | 1,634.06     | -915.81      | -663.92                 | 2.48                    | -2.48                  | -0.94                 |  |
| 6,109.00              | 7.61            | 330.75      | 5,746.82              | 1,641.46     | -919.84      | -666.80                 | 0.38                    | -0.24                  | -2.17                 |  |
| 6,172.00              | 7.61            | 328.96      | 5,809.26              | 1,648.67     | -924.03      | -669.88                 | 0.38                    | 0.00                   | -2.84                 |  |



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 6,235.00              | 6.20            | 328.31      | 5,871.81              | 1,655.14     | -927.97      | -672.82                 | 2.24                    | -2.24                  | -1.03                 |
| 6,298.00              | 5.71            | 329.06      | 5,934.47              | 1,660.72     | -931.36      | -675.35                 | 0.79                    | -0.78                  | 1.19                  |
| 6,361.00              | 5.37            | 328.57      | 5,997.17              | 1,665.93     | -934.51      | -677.70                 | 0.54                    | -0.54                  | -0.78                 |
| 6,424.00              | 5.11            | 329.15      | 6,059.91              | 1,670.85     | -937.49      | -679.91                 | 0.42                    | -0.41                  | 0.92                  |
| 6,487.00              | 4.75            | 330.12      | 6,122.68              | 1,675.52     | -940.23      | -681.93                 | 0.59                    | -0.57                  | 1.54                  |
| 6,551.00              | 4.66            | 328.59      | 6,186.46              | 1,680.04     | -942.90      | -683.91                 | 0.24                    | -0.14                  | -2.39                 |
| 6,610.00              | 4.48            | 328.24      | 6,245.27              | 1,684.04     | -945.36      | -685.75                 | 0.31                    | -0.31                  | -0.59                 |
| 6,672.00              | 4.48            | 328.24      | 6,307.08              | 1,688.16     | -947.91      | -687.66                 | 0.00                    | 0.00                   | 0.00                  |
| 6,720.00              | 3.55            | 330.52      | 6,354.96              | 1,691.05     | -949.63      | -688.93                 | 1.97                    | -1.94                  | 4.75                  |
| 6,751.00              | 0.83            | 341.28      | 6,385.94              | 1,692.10     | -950.18      | -689.31                 | 8.84                    | -8.77                  | 34.71                 |
| 6,783.00              | 3.26            | 77.84       | 6,417.92              | 1,692.51     | -949.36      | -688.45                 | 10.80                   | 7.59                   | 301.75                |
| 6,814.00              | 6.82            | 79.90       | 6,448.80              | 1,693.02     | -946.69      | -685.73                 | 11.50                   | 11.48                  | 6.65                  |
| 6,846.00              | 10.20           | 80.29       | 6,480.44              | 1,693.83     | -942.02      | -680.99                 | 10.56                   | 10.56                  | 1.22                  |
| 6,877.00              | 12.40           | 79.59       | 6,510.84              | 1,694.89     | -936.04      | -674.92                 | 7.11                    | 7.10                   | -2.26                 |
| 6,909.00              | 15.46           | 79.82       | 6,541.89              | 1,696.27     | -928.46      | -667.22                 | 9.56                    | 9.56                   | 0.72                  |
| 6,941.00              | 18.79           | 82.78       | 6,572.47              | 1,697.67     | -919.15      | -657.80                 | 10.75                   | 10.41                  | 9.25                  |
| 6,972.00              | 21.98           | 84.42       | 6,601.52              | 1,698.86     | -908.42      | -647.02                 | 10.45                   | 10.29                  | 5.29                  |
| 7,004.00              | 25.26           | 85.84       | 6,630.84              | 1,699.94     | -895.65      | -634.22                 | 10.40                   | 10.25                  | 4.44                  |
| 7,035.00              | 28.23           | 86.97       | 6,658.52              | 1,700.81     | -881.72      | -620.33                 | 9.72                    | 9.58                   | 3.65                  |
| 7,067.00              | 30.51           | 85.92       | 6,686.41              | 1,701.78     | -866.06      | -604.69                 | 7.30                    | 7.13                   | -3.28                 |
| 7,098.00              | 32.39           | 86.13       | 6,712.85              | 1,702.90     | -849.93      | -588.57                 | 6.07                    | 6.06                   | 0.68                  |
| 7,130.00              | 35.48           | 85.72       | 6,739.40              | 1,704.18     | -832.11      | -570.76                 | 9.68                    | 9.66                   | -1.28                 |
| 7,161.00              | 39.57           | 84.60       | 6,763.98              | 1,705.78     | -813.30      | -551.92                 | 13.38                   | 13.19                  | -3.61                 |
| 7,193.00              | 43.66           | 84.10       | 6,787.90              | 1,707.87     | -792.16      | -530.70                 | 12.82                   | 12.78                  | -1.56                 |
| 7,224.00              | 47.22           | 84.69       | 6,809.64              | 1,710.03     | -770.18      | -508.65                 | 11.56                   | 11.48                  | 1.90                  |
| 7,256.00              | 49.24           | 85.13       | 6,830.96              | 1,712.14     | -746.41      | -484.82                 | 6.40                    | 6.31                   | 1.38                  |
| 7,287.00              | 51.62           | 85.62       | 6,850.71              | 1,714.07     | -722.59      | -460.98                 | 7.77                    | 7.68                   | 1.58                  |
| 7,319.00              | 55.13           | 85.48       | 6,869.79              | 1,716.06     | -696.99      | -435.37                 | 10.97                   | 10.97                  | -0.44                 |
| 7,350.00              | 58.65           | 85.48       | 6,886.72              | 1,718.11     | -671.11      | -409.47                 | 11.35                   | 11.35                  | 0.00                  |
| 7,382.00              | 60.84           | 85.85       | 6,902.85              | 1,720.19     | -643.55      | -381.90                 | 6.92                    | 6.84                   | 1.16                  |
| 7,413.00              | 63.22           | 86.36       | 6,917.39              | 1,722.05     | -616.23      | -354.62                 | 7.81                    | 7.68                   | 1.65                  |
| 7,445.00              | 65.42           | 86.44       | 6,931.25              | 1,723.86     | -587.45      | -325.88                 | 6.88                    | 6.88                   | 0.25                  |
| 7,477.00              | 67.81           | 86.84       | 6,943.95              | 1,725.58     | -558.13      | -296.63                 | 7.56                    | 7.47                   | 1.25                  |
| 7,508.00              | 70.43           | 86.88       | 6,955.00              | 1,727.17     | -529.22      | -267.80                 | 8.45                    | 8.45                   | 0.13                  |
| 7,539.00              | 72.37           | 87.76       | 6,964.89              | 1,728.54     | -499.87      | -238.57                 | 6.81                    | 6.26                   | 2.84                  |
| 7,571.00              | 74.50           | 88.41       | 6,974.01              | 1,729.57     | -469.22      | -208.11                 | 6.94                    | 6.66                   | 2.03                  |
| 7,602.00              | 76.70           | 89.41       | 6,981.72              | 1,730.14     | -439.20      | -178.33                 | 7.75                    | 7.10                   | 3.23                  |
| 7,633.00              | 79.05           | 90.14       | 6,988.23              | 1,730.25     | -408.89      | -148.34                 | 7.92                    | 7.58                   | 2.35                  |
| 7,665.00              | 81.42           | 90.13       | 6,993.66              | 1,730.18     | -377.36      | -117.17                 | 7.41                    | 7.41                   | -0.03                 |
| 7,696.00              | 83.89           | 90.31       | 6,997.62              | 1,730.06     | -346.62      | -86.78                  | 7.99                    | 7.97                   | 0.58                  |
| 7,728.00              | 86.44           | 90.22       | 7,000.32              | 1,729.91     | -314.73      | -55.27                  | 7.97                    | 7.97                   | -0.28                 |
| 7,797.00              | 90.04           | 90.40       | 7,002.44              | 1,729.54     | -245.78      | 12.87                   | 5.22                    | 5.22                   | 0.26                  |
| 7,892.00              | 90.75           | 90.49       | 7,001.78              | 1,728.80     | -150.78      | 106.71                  | 0.75                    | 0.75                   | 0.09                  |
| 7,986.00              | 91.28           | 90.93       | 7,000.12              | 1,727.64     | -56.81       | 199.48                  | 0.73                    | 0.56                   | 0.47                  |



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

| 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) |
| 8,080.00              | 90.31           | 91.54       | 6,998.81              | 1,725.61     | 37.16        | 292.11                  | 1.22                    | -1.03                  | 0.65                  |
| 8,175.00              | 90.22           | 90.93       | 6,998.37              | 1,723.57     | 132.14       | 385.74                  | 0.65                    | -0.09                  | -0.64                 |
| 8,270.00              | 89.69           | 92.07       | 6,998.45              | 1,721.08     | 227.10       | 479.29                  | 1.32                    | -0.56                  | 1.20                  |
| 8,364.00              | 89.69           | 91.72       | 6,998.96              | 1,717.97     | 321.05       | 571.75                  | 0.37                    | 0.00                   | -0.37                 |
| 8,459.00              | 89.60           | 90.49       | 6,999.54              | 1,716.14     | 416.03       | 665.41                  | 1.30                    | -0.09                  | -1.29                 |
| 8,554.00              | 88.90           | 91.19       | 7,000.79              | 1,714.75     | 511.01       | 759.14                  | 1.04                    | -0.74                  | 0.74                  |
| 8,649.00              | 89.34           | 90.14       | 7,002.25              | 1,713.64     | 605.99       | 852.91                  | 1.20                    | 0.46                   | -1.11                 |
| 8,743.00              | 90.48           | 88.91       | 7,002.39              | 1,714.42     | 699.98       | 945.98                  | 1.78                    | 1.21                   | -1.31                 |
| 8,838.00              | 89.96           | 88.73       | 7,002.03              | 1,716.38     | 794.96       | 1,040.20                | 0.58                    | -0.55                  | -0.19                 |
| 8,933.00              | 89.52           | 88.20       | 7,002.46              | 1,718.92     | 889.93       | 1,134.50                | 0.73                    | -0.46                  | -0.56                 |
| 9,027.00              | 88.90           | 89.17       | 7,003.76              | 1,721.08     | 983.89       | 1,227.75                | 1.22                    | -0.66                  | 1.03                  |
| 9,122.00              | 90.31           | 90.05       | 7,004.41              | 1,721.73     | 1,078.88     | 1,321.79                | 1.75                    | 1.48                   | 0.93                  |
| 9,216.00              | 90.13           | 90.58       | 7,004.05              | 1,721.21     | 1,172.88     | 1,414.68                | 0.60                    | -0.19                  | 0.56                  |
| 9,311.00              | 91.63           | 89.61       | 7,002.59              | 1,721.05     | 1,267.87     | 1,508.59                | 1.88                    | 1.58                   | -1.02                 |
| 9,406.00              | 91.54           | 89.96       | 6,999.96              | 1,721.41     | 1,362.83     | 1,602.56                | 0.38                    | -0.09                  | 0.37                  |
| 9,500.00              | 91.01           | 89.96       | 6,997.87              | 1,721.47     | 1,456.81     | 1,695.51                | 0.56                    | -0.56                  | 0.00                  |
| 9,595.00              | 90.75           | 90.40       | 6,996.41              | 1,721.18     | 1,551.79     | 1,789.41                | 0.54                    | -0.27                  | 0.46                  |
| 9,690.00              | 90.40           | 91.01       | 6,995.46              | 1,720.01     | 1,646.78     | 1,883.18                | 0.74                    | -0.37                  | 0.64                  |
| 9,784.00              | 89.60           | 90.93       | 6,995.46              | 1,718.42     | 1,740.77     | 1,975.90                | 0.86                    | -0.85                  | -0.09                 |
| 9,879.00              | 88.90           | 91.45       | 6,996.70              | 1,716.44     | 1,835.74     | 2,069.53                | 0.92                    | -0.74                  | 0.55                  |
| 9,973.00              | 90.48           | 89.78       | 6,997.21              | 1,715.43     | 1,929.72     | 2,162.33                | 2.45                    | 1.68                   | -1.78                 |
| 10,067.00             | 90.04           | 89.52       | 6,996.79              | 1,716.01     | 2,023.72     | 2,255.38                | 0.54                    | -0.47                  | -0.28                 |
| 10,162.00             | 89.52           | 90.05       | 6,997.15              | 1,716.37     | 2,118.72     | 2,349.38                | 0.78                    | -0.55                  | 0.56                  |
| 10,257.00             | 88.64           | 90.40       | 6,998.68              | 1,715.99     | 2,213.71     | 2,443.27                | 1.00                    | -0.93                  | 0.37                  |
| 10,351.00             | 90.75           | 90.49       | 6,999.18              | 1,715.26     | 2,307.70     | 2,536.12                | 2.25                    | 2.24                   | 0.10                  |
| 10,446.00             | 90.13           | 91.01       | 6,998.45              | 1,714.02     | 2,402.68     | 2,629.88                | 0.85                    | -0.65                  | 0.55                  |
| 10,541.00             | 89.52           | 91.54       | 6,998.74              | 1,711.90     | 2,497.66     | 2,723.49                | 0.85                    | -0.64                  | 0.56                  |
| 10,635.00             | 90.75           | 89.52       | 6,998.51              | 1,711.04     | 2,591.65     | 2,816.32                | 2.52                    | 1.31                   | -2.15                 |
| 10,730.00             | 90.04           | 89.78       | 6,997.86              | 1,711.62     | 2,686.64     | 2,910.35                | 0.80                    | -0.75                  | 0.27                  |
| 10,824.00             | 89.60           | 89.26       | 6,998.16              | 1,712.40     | 2,780.64     | 3,003.43                | 0.72                    | -0.47                  | -0.55                 |
| 10,919.00             | 88.81           | 89.26       | 6,999.47              | 1,713.63     | 2,875.62     | 3,097.55                | 0.83                    | -0.83                  | 0.00                  |
| 11,014.00             | 88.20           | 90.14       | 7,001.95              | 1,714.13     | 2,970.59     | 3,191.54                | 1.13                    | -0.64                  | 0.93                  |
| 11,109.00             | 89.16           | 89.87       | 7,004.14              | 1,714.12     | 3,065.56     | 3,285.47                | 1.05                    | 1.01                   | -0.28                 |
| 11,203.00             | 90.04           | 87.59       | 7,004.80              | 1,716.20     | 3,159.53     | 3,378.71                | 2.60                    | 0.94                   | -2.43                 |
| 11,298.00             | 91.63           | 85.04       | 7,003.41              | 1,722.31     | 3,254.31     | 3,473.35                | 3.16                    | 1.67                   | -2.68                 |
| 11,392.00             | 92.42           | 87.41       | 7,000.09              | 1,728.49     | 3,348.04     | 3,566.96                | 2.66                    | 0.84                   | 2.52                  |
| 11,487.00             | 90.75           | 89.78       | 6,997.46              | 1,730.82     | 3,442.97     | 3,661.19                | 3.05                    | -1.76                  | 2.49                  |
| 11,581.00             | 90.22           | 89.70       | 6,996.67              | 1,731.25     | 3,536.96     | 3,754.21                | 0.57                    | -0.56                  | -0.09                 |
| 11,676.00             | 91.45           | 91.01       | 6,995.28              | 1,730.66     | 3,631.95     | 3,848.06                | 1.89                    | 1.29                   | 1.38                  |
| 11,770.00             | 90.84           | 91.45       | 6,993.40              | 1,728.64     | 3,725.90     | 3,940.69                | 0.80                    | -0.65                  | 0.47                  |
| 11,865.00             | 89.96           | 91.72       | 6,992.74              | 1,726.01     | 3,820.86     | 4,034.22                | 0.97                    | -0.93                  | 0.28                  |
| 11,960.00             | 90.23           | 89.59       | 6,992.58              | 1,724.93     | 3,915.85     | 4,128.00                | 2.26                    | 0.28                   | -2.24                 |
| 12,054.00             | 90.13           | 89.34       | 6,992.29              | 1,725.80     | 4,009.85     | 4,221.09                | 0.29                    | -0.11                  | -0.27                 |



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

| 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) |  |
| 12,149.00             | 89.25           | 89.61       | 6,992.80              | 1,726.67     | 4,104.84     | 4,315.16                | 0.97                    | -0.93                  | 0.28                  |  |
| 12,241.00             | 91.19           | 90.58       | 6,992.45              | 1,726.52     | 4,196.84     | 4,406.12                | 2.36                    | 2.11                   | 1.05                  |  |
| 12,336.00             | 91.01           | 90.22       | 6,990.62              | 1,725.86     | 4,291.82     | 4,499.96                | 0.42                    | -0.19                  | -0.38                 |  |
| 12,429.00             | 90.13           | 91.10       | 6,989.70              | 1,724.79     | 4,384.80     | 4,591.76                | 1.34                    | -0.95                  | 0.95                  |  |
| 12,522.00             | 89.69           | 91.72       | 6,989.85              | 1,722.50     | 4,477.77     | 4,683.37                | 0.82                    | -0.47                  | 0.67                  |  |
| 12,614.00             | 90.84           | 91.28       | 6,989.42              | 1,720.09     | 4,569.74     | 4,773.97                | 1.34                    | 1.25                   | -0.48                 |  |
| 12,707.00             | 91.54           | 90.58       | 6,987.49              | 1,718.58     | 4,662.71     | 4,865.69                | 1.06                    | 0.75                   | -0.75                 |  |
| 12,801.00             | 90.48           | 90.84       | 6,985.83              | 1,717.42     | 4,756.68     | 4,958.46                | 1.16                    | -1.13                  | 0.28                  |  |
| 12,894.00             | 90.66           | 90.14       | 6,984.91              | 1,716.62     | 4,849.67     | 5,050.31                | 0.78                    | 0.19                   | -0.75                 |  |
| 12,988.00             | 90.57           | 90.05       | 6,983.90              | 1,716.47     | 4,943.67     | 5,143.24                | 0.14                    | -0.10                  | -0.10                 |  |
| 13,081.00             | 89.60           | 90.58       | 6,983.76              | 1,715.95     | 5,036.67     | 5,235.14                | 1.19                    | -1.04                  | 0.57                  |  |
| 13,173.00             | 88.90           | 90.58       | 6,984.96              | 1,715.02     | 5,128.65     | 5,325.98                | 0.76                    | -0.76                  | 0.00                  |  |
| 13,265.00             | 90.84           | 89.70       | 6,985.17              | 1,714.80     | 5,220.65     | 5,416.93                | 2.32                    | 2.11                   | -0.96                 |  |
| 13,357.00             | 90.84           | 90.58       | 6,983.82              | 1,714.57     | 5,312.64     | 5,507.87                | 0.96                    | 0.00                   | 0.96                  |  |
| 13,450.00             | 90.57           | 90.84       | 6,982.68              | 1,713.42     | 5,405.62     | 5,599.66                | 0.40                    | -0.29                  | 0.28                  |  |
| 13,543.00             | 90.22           | 90.84       | 6,982.04              | 1,712.06     | 5,498.61     | 5,691.42                | 0.38                    | -0.38                  | 0.00                  |  |
| 13,635.00             | 89.69           | 90.93       | 6,982.11              | 1,710.64     | 5,590.60     | 5,782.19                | 0.58                    | -0.58                  | 0.10                  |  |
| 13,728.00             | 91.10           | 89.26       | 6,981.47              | 1,710.48     | 5,683.59     | 5,874.13                | 2.35                    | 1.52                   | -1.80                 |  |
| 13,821.00             | 91.10           | 89.52       | 6,979.68              | 1,711.47     | 5,776.57     | 5,966.23                | 0.28                    | 0.00                   | 0.28                  |  |
| 13,913.00             | 91.01           | 89.78       | 6,977.99              | 1,712.03     | 5,868.55     | 6,057.29                | 0.30                    | -0.10                  | 0.28                  |  |
| 14,005.00             | 90.40           | 89.61       | 6,976.86              | 1,712.52     | 5,960.54     | 6,148.34                | 0.69                    | -0.66                  | -0.18                 |  |
| 14,098.00             | 89.96           | 90.31       | 6,976.57              | 1,712.59     | 6,053.54     | 6,240.32                | 0.89                    | -0.47                  | 0.75                  |  |
| 14,192.00             | 89.08           | 90.40       | 6,977.35              | 1,712.01     | 6,147.53     | 6,333.20                | 0.94                    | -0.94                  | 0.10                  |  |
| 14,285.00             | 88.55           | 90.58       | 6,979.28              | 1,711.21     | 6,240.51     | 6,425.03                | 0.60                    | -0.57                  | 0.19                  |  |
| 14,377.00             | 90.40           | 91.01       | 6,980.12              | 1,709.94     | 6,332.49     | 6,515.81                | 2.06                    | 2.01                   | 0.47                  |  |
| 14,470.00             | 89.96           | 90.22       | 6,979.83              | 1,708.94     | 6,425.49     | 6,607.63                | 0.97                    | -0.47                  | -0.85                 |  |
| 14,562.00             | 89.60           | 91.63       | 6,980.18              | 1,707.45     | 6,517.47     | 6,698.39                | 1.58                    | -0.39                  | 1.53                  |  |
| 14,655.00             | 89.08           | 91.19       | 6,981.25              | 1,705.16     | 6,610.44     | 6,789.99                | 0.73                    | -0.56                  | -0.47                 |  |
| 14,746.00             | 89.96           | 90.22       | 6,982.01              | 1,704.04     | 6,701.42     | 6,879.81                | 1.44                    | 0.97                   | -1.07                 |  |
| 14,838.00             | 90.22           | 90.22       | 6,981.87              | 1,703.69     | 6,793.42     | 6,970.74                | 0.28                    | 0.28                   | 0.00                  |  |
| 14,931.00             | 89.78           | 90.75       | 6,981.87              | 1,702.90     | 6,886.42     | 7,062.60                | 0.74                    | -0.47                  | 0.57                  |  |
| 15,024.00             | 89.16           | 90.93       | 6,982.73              | 1,701.54     | 6,979.40     | 7,154.36                | 0.69                    | -0.67                  | 0.19                  |  |
| 15,119.00             | 88.72           | 91.19       | 6,984.49              | 1,699.78     | 7,074.37     | 7,248.02                | 0.54                    | -0.46                  | 0.27                  |  |
| 15,213.00             | 89.69           | 91.19       | 6,985.79              | 1,697.83     | 7,168.34     | 7,340.67                | 1.03                    | 1.03                   | 0.00                  |  |
| 15,308.00             | 89.69           | 91.98       | 6,986.31              | 1,695.20     | 7,263.30     | 7,434.19                | 0.83                    | 0.00                   | 0.83                  |  |
| 15,402.00             | 90.57           | 89.61       | 6,986.09              | 1,693.90     | 7,357.29     | 7,526.95                | 2.69                    | 0.94                   | -2.52                 |  |
| 15,497.00             | 90.75           | 88.73       | 6,985.00              | 1,695.28     | 7,452.27     | 7,621.09                | 0.95                    | 0.19                   | -0.93                 |  |
| 15,591.00             | 90.84           | 89.52       | 6,983.69              | 1,696.71     | 7,546.25     | 7,714.25                | 0.85                    | 0.10                   | 0.84                  |  |
| 15,686.00             | 90.75           | 89.87       | 6,982.38              | 1,697.22     | 7,641.24     | 7,808.27                | 0.38                    | -0.09                  | 0.37                  |  |
| 15,781.00             | 90.22           | 90.40       | 6,981.57              | 1,696.99     | 7,736.23     | 7,902.18                | 0.79                    | -0.56                  | 0.56                  |  |
| 15,875.00             | 89.69           | 90.58       | 6,981.65              | 1,696.19     | 7,830.23     | 7,995.02                | 0.60                    | -0.56                  | 0.19                  |  |
| 15,970.00             | 91.54           | 89.70       | 6,980.63              | 1,695.96     | 7,925.22     | 8,088.93                | 2.16                    | 1.95                   | -0.93                 |  |
| 16,065.00             | 91.28           | 90.75       | 6,978.29              | 1,695.58     | 8,020.19     | 8,182.80                | 1.14                    | -0.27                  | 1.11                  |  |



Scientific Drilling, Intl  
Survey Report



|           |                           |                              |                                               |
|-----------|---------------------------|------------------------------|-----------------------------------------------|
| Company:  | B.P.                      | Local Co-ordinate Reference: | Well NEBU 605 2H                              |
| Project:  | San Juan County, NM NAD83 | TVD Reference:               | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Site:     | NEBU 605 Pad              | MD Reference:                | GL 6471' & RKB 25' @ 6496.00usft (Aztec 1000) |
| Well:     | NEBU 605 2H               | North Reference:             | Grid                                          |
| Wellbore: | OH                        | Survey Calculation Method:   | Minimum Curvature                             |
| Design:   | OH                        | Database:                    | Grand Junction District                       |

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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 16,159.00             | 90.92           | 90.84       | 6,976.48              | 1,694.28     | 8,114.16     | 8,275.55                | 0.39                    | -0.38                  | 0.10                  |
| 16,254.00             | 90.22           | 91.01       | 6,975.54              | 1,692.75     | 8,209.14     | 8,369.26                | 0.76                    | -0.74                  | 0.18                  |
| 16,349.00             | 89.43           | 90.22       | 6,975.83              | 1,691.73     | 8,304.14     | 8,463.05                | 1.18                    | -0.83                  | -0.83                 |
| 16,443.00             | 90.84           | 88.91       | 6,975.61              | 1,692.44     | 8,398.13     | 8,556.12                | 2.05                    | 1.50                   | -1.39                 |
| 16,538.00             | 90.84           | 89.08       | 6,974.21              | 1,694.11     | 8,493.10     | 8,650.29                | 0.18                    | 0.00                   | 0.18                  |
| 16,633.00             | 90.57           | 88.38       | 6,973.05              | 1,696.21     | 8,588.07     | 8,744.53                | 0.79                    | -0.28                  | -0.74                 |
| 16,727.00             | 90.22           | 88.82       | 6,972.40              | 1,698.51     | 8,682.04     | 8,837.80                | 0.60                    | -0.37                  | 0.47                  |
| 16,822.00             | 89.43           | 88.20       | 6,972.69              | 1,700.98     | 8,777.01     | 8,932.09                | 1.06                    | -0.83                  | -0.65                 |
| 16,917.00             | 89.87           | 89.78       | 6,973.27              | 1,702.65     | 8,871.99     | 9,026.27                | 1.73                    | 0.46                   | 1.66                  |
| 17,012.00             | 89.78           | 90.40       | 6,973.56              | 1,702.50     | 8,966.99     | 9,120.20                | 0.66                    | -0.09                  | 0.65                  |
| 17,106.00             | 90.92           | 89.70       | 6,972.98              | 1,702.42     | 9,060.98     | 9,213.15                | 1.42                    | 1.21                   | -0.74                 |
| 17,201.00             | 90.92           | 89.26       | 6,971.46              | 1,703.28     | 9,155.97     | 9,307.22                | 0.46                    | 0.00                   | -0.46                 |
| 17,296.00             | 91.36           | 89.52       | 6,969.57              | 1,704.29     | 9,250.94     | 9,401.29                | 0.54                    | 0.46                   | 0.27                  |
| 17,391.00             | 91.28           | 89.17       | 6,967.38              | 1,705.38     | 9,345.91     | 9,495.38                | 0.38                    | -0.08                  | -0.37                 |
| 17,485.00             | 90.66           | 89.08       | 6,965.79              | 1,706.82     | 9,439.89     | 9,588.53                | 0.67                    | -0.66                  | -0.10                 |
| 17,580.00             | 90.92           | 89.08       | 6,964.48              | 1,708.34     | 9,534.86     | 9,682.69                | 0.27                    | 0.27                   | 0.00                  |
| 17,675.00             | 91.36           | 88.82       | 6,962.59              | 1,710.08     | 9,629.83     | 9,776.87                | 0.54                    | 0.46                   | -0.27                 |
| 17,770.00             | 91.10           | 90.58       | 6,960.55              | 1,710.58     | 9,724.80     | 9,870.87                | 1.87                    | -0.27                  | 1.85                  |
| 17,864.00             | 91.10           | 90.22       | 6,958.74              | 1,709.92     | 9,818.78     | 9,963.72                | 0.38                    | 0.00                   | -0.38                 |
| 17,959.00             | 90.75           | 89.87       | 6,957.21              | 1,709.85     | 9,913.77     | 10,057.65               | 0.52                    | -0.37                  | -0.37                 |
| 18,054.00             | 90.48           | 90.14       | 6,956.19              | 1,709.84     | 10,008.76    | 10,151.59               | 0.40                    | -0.28                  | 0.28                  |
| 18,149.00             | 89.25           | 90.75       | 6,956.42              | 1,709.10     | 10,103.76    | 10,245.43               | 1.45                    | -1.29                  | 0.64                  |
| 18,243.00             | 88.90           | 90.93       | 6,957.93              | 1,707.72     | 10,197.74    | 10,338.17               | 0.42                    | -0.37                  | 0.19                  |
| 18,338.00             | 88.64           | 91.37       | 6,959.97              | 1,705.82     | 10,292.70    | 10,431.80               | 0.54                    | -0.27                  | 0.46                  |
| 18,432.00             | 88.20           | 91.81       | 6,962.56              | 1,703.21     | 10,386.62    | 10,524.31               | 0.66                    | -0.47                  | 0.47                  |
| 18,527.00             | 88.81           | 91.28       | 6,965.04              | 1,700.65     | 10,481.56    | 10,617.82               | 0.85                    | 0.64                   | -0.56                 |
| 18,622.00             | 89.08           | 90.49       | 6,966.79              | 1,699.18     | 10,576.53    | 10,711.53               | 0.88                    | 0.28                   | -0.83                 |
| 18,716.00             | 88.81           | 90.31       | 6,968.52              | 1,698.53     | 10,670.51    | 10,804.38               | 0.35                    | -0.29                  | -0.19                 |
| 18,810.00             | 88.81           | 90.14       | 6,970.47              | 1,698.16     | 10,764.49    | 10,897.27               | 0.18                    | 0.00                   | -0.18                 |
| 18,905.00             | 88.90           | 90.40       | 6,972.37              | 1,697.71     | 10,859.47    | 10,991.14               | 0.29                    | 0.09                   | 0.27                  |
| 18,999.00             | 88.81           | 89.26       | 6,974.25              | 1,697.99     | 10,953.45    | 11,084.12               | 1.22                    | -0.10                  | -1.21                 |
| 19,094.00             | 89.08           | 89.78       | 6,976.00              | 1,698.78     | 11,048.43    | 11,178.17               | 0.62                    | 0.28                   | 0.55                  |
| 19,189.00             | 88.90           | 90.14       | 6,977.67              | 1,698.85     | 11,143.41    | 11,272.12               | 0.42                    | -0.19                  | 0.38                  |
| 19,242.00             | 88.99           | 89.34       | 6,978.65              | 1,699.09     | 11,196.40    | 11,324.57               | 1.52                    | 0.17                   | -1.51                 |
| 19,310.00             | 88.99           | 89.34       | 6,979.85              | 1,699.87     | 11,264.39    | 11,391.92               | 0.00                    | 0.00                   | 0.00                  |

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