

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-017-06278 County Doddridge District Greenbrier  
Quad Big Isaac 7.5' Pad Name Hughes Pad Field/Pool Name \_\_\_\_\_  
Farm name Nelson, Eric E. et al Well Number Belton Unit 1H  
Operator (as registered with the OOG) Antero Resources Corporation  
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,341,197m Easting 532,754m  
Landing Point of Curve Northing 4,341,043m Easting 532,739.23m  
Bottom Hole Northing 4,338,675m Easting 533,486m

Elevation (ft) 1,322' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
Air- Foam & 4% KCL  
Mud- Polymer

Date permit issued 07/30/2013 Date drilling commenced 12/27/2013 Date drilling ceased 04/08/2014  
Date completion activities began 04/16/2014 Date completion activities ceased 07/01/2014  
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Received  
Office of Oil & Gas  
JUL 27 2015

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 109', 112' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1,091'; 1,150' Void(s) encountered (Y/N) depths None  
Coal depth(s) ft 390' Cavern(s) encountered (Y/N) depths None  
Is coal being mined in area (Y/N) No

Reviewed by:  
JE 8/21/15  
10/23/2015

API 47-017 - 06278

Farm name Nelson, Eric E. et al

Well number Belton Unit 1H

| CASING STRINGS            | Hole Size       | Casing Size | Depth   | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/N)<br>* Provide details below* |
|---------------------------|-----------------|-------------|---------|-------------|-------------|-----------------|--|
| Conductor                 | 24"             | 20"         | 40'     | New         | 51#; H-40   | N/A             | Yes  |
| Surface                   | 17 1/2"         | 13 3/8"     | 563'    | New         | 48#; H-40   | N/A             | Yes  |
| Coal                      |                 |             |         |             |             |                 |  |
| Intermediate 1            | 12 1/4"         | 9 5/8"      | 2,505'  | New         | 36#; J-55   | N/A             | Yes  |
| Intermediate 2            |                 |             |         |             |             |                 |  |
| Intermediate 3            |                 |             |         |             |             |                 |  |
| Production                | 8 3/4" & 8 1/2" | 5 1/2"      | 15,800' | New         | 20#; P-110  | N/A             | Yes  |
| Tubing                    |                 | 2 3/8"      | 7,433'  |             | 4.7#; N-80  | N/A             |  |
| Packer type and depth set |                 | N/A         |         |             |             |                 |  |

Comment Details \_\_\_\_\_

| CEMENT DATA    | Class/Type of Cement | Number of Sacks                  | Slurry wt (ppg)          | Yield (ft <sup>3</sup> /sks) | Volume (ft <sup>3</sup> ) | Cement Top (MD)                | WOC (hrs) |
|----------------|----------------------|----------------------------------|--------------------------|------------------------------|---------------------------|--------------------------------|-----------|
| Conductor      | Class A              | 200 sx                           | 15.6                     | 1.18                         | 38                        | 0'                             | 8 Hrs.    |
| Surface        | Class A              | 685 sx                           | 15.6                     | 1.18                         | 391                       | 0'                             | 8 Hrs.    |
| Coal           |                      |                                  |                          |                              |                           |                                |           |
| Intermediate 1 | Class A              | 967 sx                           | 15.8                     | 1.18                         | 785                       | 0'                             | 8 Hrs.    |
| Intermediate 2 |                      |                                  |                          |                              |                           |                                |           |
| Intermediate 3 |                      |                                  |                          |                              |                           |                                |           |
| Production     | Class H              | 1,173 sx (Lead); 1,298 sx (Tail) | 14.5 (Lead); 15.2 (Tail) | 1.3 (Lead); 1.86 (Tail)      | 3,160                     | ~500' into Intermediate Casing | 8 Hrs.    |
| Tubing         |                      |                                  |                          |                              |                           |                                |           |

Drillers TD (ft) 15,800' MD; 7,305' TVD (BHL); 7,356' (Deepest Point Drilled)      Loggers TD (ft) 15,745'  
 Deepest formation penetrated Marcellus      Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 6,714'

Check all wireline logs run       caliper     density     deviated/directional     induction  
 neutron     resistivity     gamma ray                       temperature     sonic

Well cored     Yes     No      Conventional     Sidewall      Were cuttings collected     Yes     No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

Conductor- 0  
 Surface- 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface  
 Intermediate- 1 above float joint, 1 above float collar, 1 every 4th joint to surface  
 Production- 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

Received  
Office of Oil & Gas  
JUL 27 2015

WAS WELL COMPLETED AS SHOT HOLE     Yes     No      DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?     Yes     No      DETAILS \_\_\_\_\_

WERE TRACERS USED     Yes     No      TYPE OF TRACER(S) USED \_\_\_\_\_





API 47-017-06278 Farm Name Nelson, Eric E. et al Well Number Belton Unit 1H

**EXHIBIT 1**

| Stage No. | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
|-----------|------------------|------------------------|----------------------|------------------------|------------|
| 1         | 16-Apr-14        | 15,543                 | 15,712               | 60                     | Marcellus  |
| 2         | 26-May-14        | 15,342                 | 15,511               | 60                     | Marcellus  |
| 3         | 26-May-14        | 15,142                 | 15,311               | 60                     | Marcellus  |
| 4         | 27-May-14        | 14,941                 | 15,110               | 60                     | Marcellus  |
| 5         | 27-May-14        | 14,740                 | 14,910               | 60                     | Marcellus  |
| 6         | 27-May-14        | 14,540                 | 14,709               | 60                     | Marcellus  |
| 7         | 28-May-14        | 14,339                 | 14,508               | 60                     | Marcellus  |
| 8         | 28-May-14        | 14,139                 | 14,308               | 60                     | Marcellus  |
| 9         | 28-May-14        | 13,938                 | 14,107               | 60                     | Marcellus  |
| 10        | 29-May-14        | 13,737                 | 13,907               | 60                     | Marcellus  |
| 11        | 29-May-14        | 13,537                 | 13,706               | 60                     | Marcellus  |
| 12        | 29-May-14        | 13,336                 | 13,505               | 60                     | Marcellus  |
| 13        | 29-May-14        | 13,136                 | 13,305               | 60                     | Marcellus  |
| 14        | 30-May-14        | 12,935                 | 13,104               | 60                     | Marcellus  |
| 15        | 30-May-14        | 12,734                 | 12,903               | 60                     | Marcellus  |
| 16        | 30-May-14        | 12,534                 | 12,703               | 60                     | Marcellus  |
| 17        | 31-May-14        | 12,333                 | 12,502               | 60                     | Marcellus  |
| 18        | 31-May-14        | 12,132                 | 12,302               | 60                     | Marcellus  |
| 19        | 31-May-14        | 11,932                 | 12,101               | 60                     | Marcellus  |
| 20        | 1-Jun-14         | 11,731                 | 11,900               | 60                     | Marcellus  |
| 21        | 1-Jun-14         | 11,531                 | 11,700               | 60                     | Marcellus  |
| 22        | 1-Jun-14         | 11,330                 | 11,499               | 60                     | Marcellus  |
| 23        | 1-Jun-14         | 11,129                 | 11,299               | 60                     | Marcellus  |
| 24        | 2-Jun-14         | 10,929                 | 11,098               | 60                     | Marcellus  |
| 25        | 2-Jun-14         | 10,728                 | 10,897               | 60                     | Marcellus  |
| 26        | 2-Jun-14         | 10,528                 | 10,697               | 60                     | Marcellus  |
| 27        | 2-Jun-14         | 10,327                 | 10,496               | 60                     | Marcellus  |
| 28        | 2-Jun-14         | 10,126                 | 10,296               | 60                     | Marcellus  |
| 29        | 3-Jun-14         | 9,926                  | 10,095               | 60                     | Marcellus  |
| 30        | 3-Jun-14         | 9,725                  | 9,894                | 60                     | Marcellus  |
| 31        | 4-Jun-14         | 9,525                  | 9,694                | 60                     | Marcellus  |
| 32        | 4-Jun-14         | 9,324                  | 9,493                | 60                     | Marcellus  |
| 33        | 4-Jun-14         | 9,123                  | 9,292                | 60                     | Marcellus  |
| 34        | 4-Jun-14         | 8,923                  | 9,092                | 60                     | Marcellus  |
| 35        | 5-Jun-14         | 8,722                  | 8,891                | 60                     | Marcellus  |
| 36        | 5-Jun-14         | 8,521                  | 8,691                | 60                     | Marcellus  |
| 37        | 5-Jun-14         | 8,321                  | 8,490                | 60                     | Marcellus  |
| 38        | 5-Jun-14         | 8,120                  | 8,289                | 60                     | Marcellus  |
| 39        | 6-Jun-14         | 7,920                  | 8,089                | 60                     | Marcellus  |
| 40        | 6-Jun-14         | 7,719                  | 7,888                | 60                     | Marcellus  |
| 41        | 6-Jun-14         | 7,518                  | 7,688                | 60                     | Marcellus  |

Received  
Office of Oil & Gas  
JUL 27 2015

## EXHIBIT 2

| Stage No. | Stimulations Date | Avg Pump Rate | Avg Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/ other (units) |
|-----------|-------------------|---------------|------------------------------|------------------------------|------------|--------------------------|------------------------|-----------------------------------|
| 1         | 26-May-14         | 64.0          | 7,941                        | N/A                          | 5,076      | 264,954                  | 7,024                  | N/A                               |
| 2         | 26-May-14         | 75.0          | 7,938                        | 6,831                        | 5,457      | 242,371                  | 6,914                  | N/A                               |
| 3         | 26-May-14         | 77.0          | 7,971                        | 7,021                        | 5,987      | 251,208                  | 6,617                  | N/A                               |
| 4         | 27-May-14         | 76.0          | 7,647                        | 6,431                        | 6,082      | 249,567                  | 6,592                  | N/A                               |
| 5         | 27-May-14         | 76.0          | 7,673                        | 6,121                        | 6,026      | 260,269                  | 5,645                  | N/A                               |
| 6         | 27-May-14         | 77.0          | 7,767                        | 6,137                        | 5,818      | 181,799                  | 6,987                  | N/A                               |
| 7         | 28-May-14         | 77.0          | 7,944                        | 6,209                        | 6,005      | 253,492                  | 6,586                  | N/A                               |
| 8         | 28-May-14         | 74.0          | 7,737                        | 4,861                        | 5,820      | 257,470                  | 5,574                  | N/A                               |
| 9         | 28-May-14         | 79.0          | 7,905                        | 6,434                        | 6,298      | 259,503                  | 6,558                  | N/A                               |
| 10        | 29-May-14         | 78.0          | 7,668                        | 6,175                        | 6,116      | 259,072                  | 6,524                  | N/A                               |
| 11        | 29-May-14         | 77.0          | 7,447                        | 6,068                        | 5,898      | 258,790                  | 3,060                  | N/A                               |
| 12        | 29-May-14         | 78.0          | 7,508                        | 6,167                        | 6,068      | 255,462                  | 1,101                  | N/A                               |
| 13        | 29-May-14         | 80.0          | 7,570                        | 5,875                        | 6,026      | 255,895                  | 6,424                  | N/A                               |
| 14        | 30-May-14         | 79.0          | 7,581                        | 5,998                        | 5,939      | 256,618                  | 5,418                  | N/A                               |
| 15        | 30-May-14         | 75.0          | 7,552                        | 5,815                        | 5,809      | 244,789                  | 4,921                  | N/A                               |
| 16        | 30-May-14         | 78.0          | 7,598                        | 5,818                        | 5,458      | 255,902                  | 6,386                  | N/A                               |
| 17        | 31-May-14         | 85.0          | 7,635                        | 6,048                        | 5,951      | 258,857                  | 6,463                  | N/A                               |
| 18        | 31-May-14         | 78.0          | 7,399                        | 5,705                        | 5,999      | 258,569                  | 5,190                  | N/A                               |
| 19        | 31-May-14         | 83.0          | 7,344                        | 5,732                        | 5,853      | 257,841                  | 6,420                  | N/A                               |
| 20        | 1-Jun-14          | 80.0          | 7,290                        | 4,600                        | 5,928      | 260,664                  | 6,356                  | N/A                               |
| 21        | 1-Jun-14          | 81.0          | 6,927                        | 6,172                        | 6,056      | 261,210                  | 6,432                  | N/A                               |
| 22        | 1-Jun-14          | 84.0          | 7,459                        | 6,371                        | 5,422      | 261,172                  | 6,743                  | N/A                               |
| 23        | 1-Jun-14          | 83.0          | 7,116                        | 5,831                        | 5,568      | 255,581                  | 6,273                  | N/A                               |
| 24        | 2-Jun-14          | 82.0          | 7,218                        | 6,214                        | 5,843      | 255,550                  | 6,290                  | N/A                               |
| 25        | 2-Jun-14          | 79.0          | 7,109                        | 6,430                        | 5,768      | 432,013                  | 6,351                  | N/A                               |
| 26        | 2-Jun-14          | 81.0          | 7,312                        | 5,616                        | 5,996      | 260,217                  | 6,326                  | N/A                               |
| 27        | 2-Jun-14          | 80.0          | 7,330                        | 6,180                        | 5,908      | 256,778                  | 6,247                  | N/A                               |
| 28        | 2-Jun-14          | 80.0          | 6,158                        | 5,814                        | 6,029      | 261,885                  | 6,296                  | N/A                               |
| 29        | 3-Jun-14          | 81.0          | 7,285                        | 5,677                        | 5,677      | 261,236                  | 6,284                  | N/A                               |
| 30        | 3-Jun-14          | 80.0          | 7,143                        | 5,693                        | 5,417      | 259,822                  | 6,288                  | N/A                               |
| 31        | 4-Jun-14          | 77.0          | 7,156                        | 6,174                        | 5,616      | 158,640                  | 6,752                  | N/A                               |
| 32        | 4-Jun-14          | 80.0          | 7,251                        | 5,967                        | 5,408      | 225,293                  | 6,484                  | N/A                               |
| 33        | 4-Jun-14          | 77.0          | 7,292                        | 6,281                        | 4,944      | 259,849                  | 6,269                  | N/A                               |
| 34        | 4-Jun-14          | 79.0          | 6,927                        | 6,253                        | 5,063      | 258,806                  | 6,223                  | N/A                               |
| 35        | 5-Jun-14          | 78.0          | 6,864                        | 6,158                        | 5,167      | 260,590                  | 6,158                  | N/A                               |
| 36        | 5-Jun-14          | 77.0          | 6,740                        | 6,194                        | 5,498      | 259,517                  | 6,168                  | N/A                               |
| 37        | 5-Jun-14          | 79.0          | 6,877                        | 6,097                        | 5,372      | 263,247                  | 6,212                  | N/A                               |
| 38        | 5-Jun-14          | 80.0          | 6,696                        | 6,340                        | 5,877      | 258,103                  | 6,085                  | N/A                               |
| 39        | 6-Jun-14          | 79.0          | 6,927                        | 6,170                        | 5,262      | 258,205                  | 6,097                  | N/A                               |
| 40        | 6-Jun-14          | 78.0          | 6,822                        | 6,532                        | 5,795      | 248,098                  | 5,922                  | N/A                               |
| 41        | 6-Jun-14          | 75.0          | 6,868                        | 6,860                        | 5,886      | 133,715                  | 6,343                  | N/A                               |
| AVG=      |                   | 78.4          | 7,332                        | 6,077                        | 5,736      | 10,392,619               | 249,003                | TOTAL                             |

Received  
Office of Oil & Gas  
July 27 2015

## EXHIBIT 3

| LITHOLOGY/ FORMATION | TOP DEPTH (TVD) | BOTTOM DEPTH (TVD) | TOP DEPTH (MD) | BOTTOM DEPTH (MD) |
|----------------------|-----------------|--------------------|----------------|-------------------|
|                      | From Surface    | From Surface       | From Surface   | From Surface      |
| Fresh Water          | 109'            | N/A                | 109'           | N/A               |
| Fresh Water          | 112'            | N/A                | 112'           | N/A               |
| Shale                | 0               | 188                | 0              | 188               |
| Sandy siltstone      | est. 188        | 390                | est. 188       | 390               |
| Coal                 | est. 390        | 408                | est. 390       | 408               |
| Shale                | est. 408        | 488                | est. 408       | 488               |
| Siltstone            | est. 488        | 828                | est. 488       | 828               |
| Shale                | est. 828        | 908                | est. 828       | 908               |
| Sandstone            | est. 908        | 943                | est. 908       | 943               |
| Shale                | est. 943        | 964                | est. 943       | 964               |
| Trace coal           | est. 964        | 986                | est. 964       | 986               |
| Sandy siltstone      | est. 986        | 1,348              | est. 986       | 1,348             |
| Shale                | est. 1348       | 1,588              | est. 1348      | 1,588             |
| Sandy shale          | est. 1588       | 1,648              | est. 1588      | 1,648             |
| Trace coal           | est. 1648       | 1,668              | est. 1648      | 1,668             |
| Shale                | est. 1668       | 1,708              | est. 1668      | 1,708             |
| Sandstone            | est. 1708       | 1,808              | est. 1708      | 1,808             |
| Silty sandstone      | est. 1808       | 1,948              | est. 1808      | 1,948             |
| Trace coal           | est. 1948       | 1,988              | est. 1948      | 1,988             |
| Silty sandstone      | est. 1988       | 2,248              | est. 1988      | 2,248             |
| Shale                | est. 2248       | 2,303              | est. 2248      | 2,303             |
| Big Lime             | 2,303           | 2,462              | 2,303          | 2,462             |
| Big Injun            | 2,462           | 2,783              | 2,462          | 2,783             |
| Weir                 | 2,783           | 2,907              | 2,783          | 2,907             |
| Fifty Foot Sandstone | 2,907           | 2,993              | 2,907          | 2,993             |
| Gordon               | 2,993           | 3,168              | 2,993          | 3,168             |
| Fifth Sandstone      | 3,168           | 3,210              | 3,168          | 3,210             |
| Bayard               | 3,210           | 3,978              | 3,210          | 3,978             |
| Speechley            | 3,978           | 4,459              | 3,978          | 4,459             |
| Baltown              | 4,459           | 4,755              | 4,459          | 4,755             |
| Bradford             | 4,755           | 5,077              | 4,755          | 5,077             |
| Riley                | 5,077           | 5,297              | 5,077          | 5,297             |
| Benson               | 5,297           | 5,567              | 5,297          | 5,567             |
| Alexander            | 5,567           | 6,845              | 5,567          | 6,846             |
| Sycamore             | 6,845           | 7,012              | 6,846          | 7,023             |
| Middlesex            | 7,012           | 7,155              | 7,023          | 7,194             |
| Burkett              | 7,155           | 7,187              | 7,194          | 7,236             |
| Tully                | 7,187           | 7,308              | 7,236          | 7,474             |
| Marcellus            | 7,308           | NA                 | 7,474          | NA                |

\*Please note Antero determines shallow formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

Received  
Office of Oil & Gas  
JUL 27 2015

10/23/2015



Antero Resources  
 Belton Unit 1H  
 Doddridge County WV  
 Northing: 14242026.79  
 Easting: 1747828.49  
 As Drilled

**WELL DETAILS: Belton Unit 1H**

|       |       |             |            |                      |                 |                  |      |
|-------|-------|-------------|------------|----------------------|-----------------|------------------|------|
| +N/-S | +E/-W | Northing    | Easting    | Ground Level: 1331.0 | Latitude        | Longitude        | Slot |
| 0.0   | 0.0   | 14242026.79 | 1747828.49 |                      | 39° 13' 9.654 N | 80° 37' 14.700 W |      |

**PROJECT DETAILS: Doddridge County WV**

Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Zone 17N (84 W to 78 W)  
 System Datum: Mean Sea Level



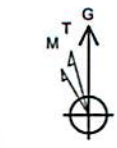
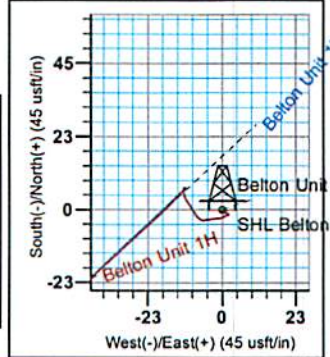
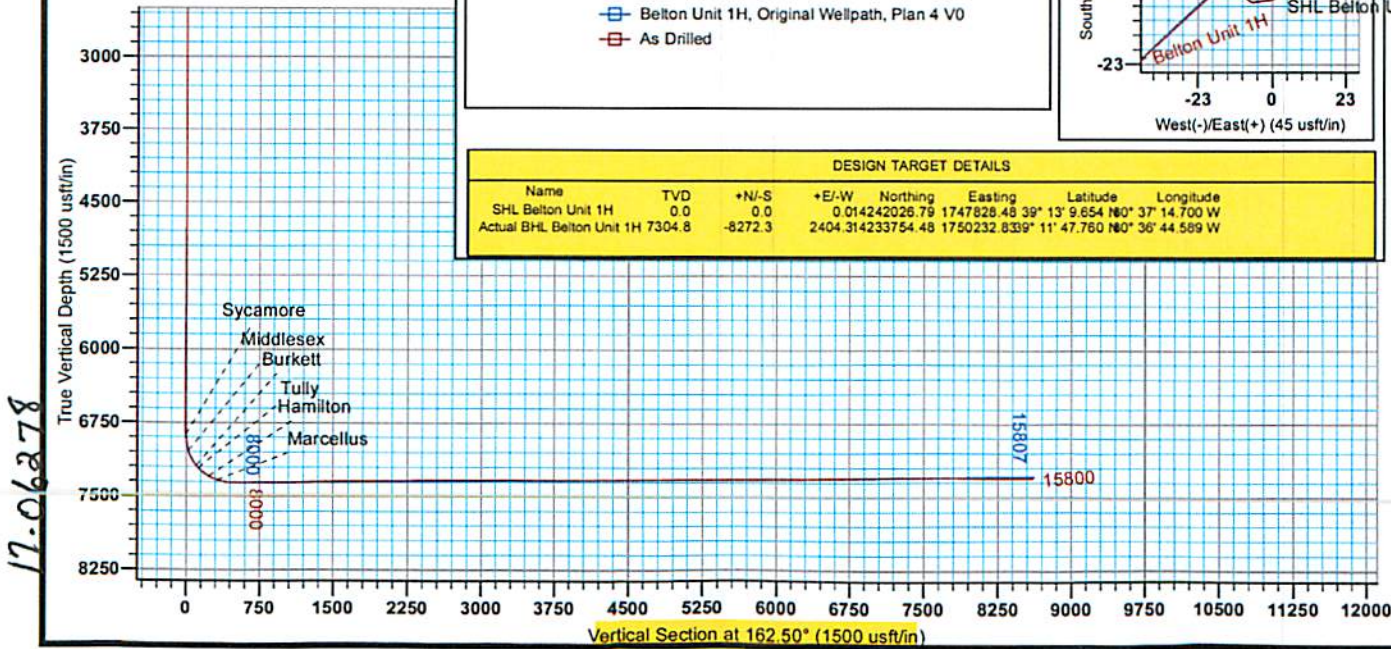
Genie Lightfoot  
 14:08, April 08 2014  
 Scientific Drilling  
 421 South Eagle Lane  
 Oklahoma City, OK

**LEGEND**

- Belton Unit 1H, Original Wellpath, Plan 4 V0
- As Drilled

**DESIGN TARGET DETAILS**

| Name                      | TVD    | +N/-S   | +E/-W  | Northing    | Easting      | Latitude        | Longitude        |
|---------------------------|--------|---------|--------|-------------|--------------|-----------------|------------------|
| SHL Belton Unit 1H        | 0.0    | 0.0     | 0.0    | 14242026.79 | 1747828.48   | 39° 13' 9.654 N | 80° 37' 14.700 W |
| Actual BHL Belton Unit 1H | 7304.8 | -8272.3 | 2404.3 | 14233754.48 | 1750232.8339 | 11° 47.760 N    | 80° 36' 44.589 W |

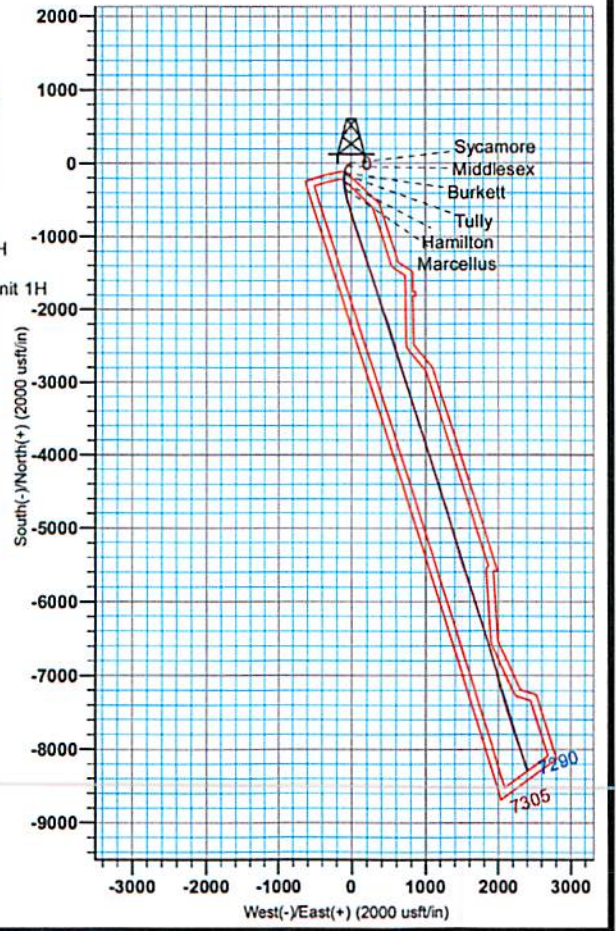


To convert Magnetic North to Grid, Subtract 8.79°  
 To convert True North to Grid, Subtract 0.24°

Received  
 Office of Oil & Gas  
 JUN 27 2015

Azimuths to Grid North  
 True North: -0.24°  
 Magnetic North: -8.79°

Magnetic Field  
 Strength: 52297.8nT  
 Dip Angle: 66.73°  
 Date: 12/19/2013  
 Model: IGRF2010



17-06278



17-06278



## Antero Resources

Doddridge County WV  
Hughes Pad  
Belton Unit 1H  
Original Wellpath

Design: As Drilled

## EOW Completion Report

08 April, 2014



Scientific Drilling

Received  
Office of Oil & Gas

10/27 2015

10/23/2015

17-06278



EOW Completion Report



|                  |                     |                                     |  |
|------------------|---------------------|-------------------------------------|--|
| <b>Company:</b>  | Antero Resources    | <b>Local Co-ordinate Reference:</b> | Well Belton Unit 1H                              |
| <b>Project:</b>  | Doddridge County WV | <b>TVD Reference:</b>               | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Site:</b>     | Hughes Pad          | <b>MD Reference:</b>                | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Well:</b>     | Belton Unit 1H      | <b>North Reference:</b>             | Grid   |
| <b>Wellbore:</b> | Original Wellpath   | <b>Survey Calculation Method:</b>   | Minimum Curvature                                |
| <b>Design:</b>   | As Drilled          | <b>Database:</b>                    | Oklahoma District                                |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | Doddridge County WV, McClellan District      |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator (US Survey Fee | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)                      |                      |                |
| <b>Map Zone:</b>   | Zone 17N (84 W to 78 W)                      |                      |                |

|                              |            |                     |                    |                          |                  |
|------------------------------|------------|---------------------|--------------------|--------------------------|------------------|
| <b>Site</b>                  | Hughes Pad |                     |                    |                          |                  |
| <b>Site Position:</b>        |            | <b>Northing:</b>    | 14,242,041.55 usft | <b>Latitude:</b>         | 39° 13' 9.801 N  |
| <b>From:</b>                 | Map        | <b>Easting:</b>     | 1,747,814.24 usft  | <b>Longitude:</b>        | 80° 37' 14.880 W |
| <b>Position Uncertainty:</b> | 2.0 usft   | <b>Slot Radius:</b> | 13-3/16"           | <b>Grid Convergence:</b> | 0.24 °           |

|                             |                |          |                            |                    |                      |                  |
|-----------------------------|----------------|----------|----------------------------|--------------------|----------------------|------------------|
| <b>Well</b>                 | Belton Unit 1H |          |                            |                    |                      |                  |
| <b>Well Position</b>        | <b>+N-S</b>    | 0.0 usft | <b>Northing:</b>           | 14,242,026.79 usft | <b>Latitude:</b>     | 39° 13' 9.654 N  |
|                             | <b>+E-W</b>    | 0.0 usft | <b>Easting:</b>            | 1,747,828.49 usft  | <b>Longitude:</b>    | 80° 37' 14.700 W |
| <b>Position Uncertainty</b> |                | 2.0 usft | <b>Wellhead Elevation:</b> | 1,356.0 usft       | <b>Ground Level:</b> | 1,331.0 usft     |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Wellpath |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 12/19/2013         | -8.55                  | 66.78                | 52,298                     |

|                          |            |                                |                    |                      |                      |
|--------------------------|------------|--------------------------------|--------------------|----------------------|----------------------|
| <b>Design</b>            | As Drilled |                                |                    |                      |                      |
| <b>Audit Notes:</b>      |            |                                |                    |                      |                      |
| <b>Version:</b>          | 1.0        | <b>Phase:</b>                  | ACTUAL             | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> |            | <b>Depth From (TVD) (usft)</b> | <b>+N-S (usft)</b> | <b>+E-W (usft)</b>   | <b>Direction (°)</b> |
|                          |            | 0.0                            | 0.0                | 0.0                  | 162.50               |

|                       |                  |  |                     |  |  |
|-----------------------|------------------|--|---------------------|--|--|
| <b>Survey Program</b> | Date 4/8/2014    |  |                     |  |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>                 | <b>Tool Name</b>    | <b>Description</b>                                 |  |
| 112.0                 | 6,714.1          | Survey #2 Def Gyro to KOP (Original Well | SDI Standard Keeper | Scientific Drilling Intl. Standard Wireline Keeper |  |
| 6,815.0               | 15,800.0         | Survey #3 MWD (Original Wellpath)        | SDI MWD             | Scientific Drilling Intl. MWD - Standard ver 1.0.1 |  |

|                  |                |                          |                   |                   |                   |                      |                         |  |
|------------------|----------------|--------------------------|-------------------|-------------------|-------------------|----------------------|-------------------------|--|
| <b>Survey</b>    |                |                          |                   |                   |                   |                      |                         |  |
| <b>MD (usft)</b> | <b>Inc (°)</b> | <b>Azi (azimuth) (°)</b> | <b>TVD (usft)</b> | <b>N/S (usft)</b> | <b>E/W (usft)</b> | <b>V. Sec (usft)</b> | <b>DLeg (°/100usft)</b> |  |
| 0.0              | 0.00           | 0.00                     | 0.0               | 0.0               | 0.0               | 0.0                  | 0.00                    |  |
| 112.0            | 0.31           | 246.31                   | 112.0             | -0.1              | -0.3              | 0.0                  | 0.28                    |  |
| 212.0            | 0.06           | 215.07                   | 212.0             | -0.3              | -0.6              | 0.1                  | 0.26                    |  |
| 312.0            | 0.18           | 130.48                   | 312.0             | -0.4              | -0.5              | 0.3                  | 0.18                    |  |
| 412.0            | 0.30           | 103.93                   | 412.0             | -0.6              | -0.1              | 0.5                  | 0.16                    |  |
| 512.0            | 0.31           | 108.76                   | 512.0             | -0.7              | 0.4               | 0.8                  | 0.03                    |  |
| 612.0            | 0.35           | 100.85                   | 612.0             | -0.9              | 1.0               | 1.1                  | 0.06                    |  |
| 712.0            | 0.25           | 113.29                   | 712.0             | -1.0              | 1.5               | 1.4                  | 0.12                    |  |
| 812.0            | 0.13           | 120.52                   | 812.0             | -1.2              | 1.8               | 1.6                  | 0.12                    |  |
| 912.0            | 0.15           | 151.81                   | 912.0             | -1.3              | 1.9               | 1.9                  | 0.08                    |  |
| 1,012.0          | 0.02           | 285.02                   | 1,012.0           | -1.4              | 2.0               | 2.0                  | 0.16                    |  |

Received  
Office of Oil & Gas  
JUL 27 2015

17-06278



EOW Completion Report



|                                     |  |
|-------------------------------------|--|
| <b>Company:</b> Antero Resources    | <b>Local Co-ordinate Reference:</b> Well Belton Unit 1H                |
| <b>Project:</b> Doddridge County WV | <b>TVD Reference:</b> Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Site:</b> Hughes Pad             | <b>MD Reference:</b> Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13  |
| <b>Well:</b> Belton Unit 1H         | <b>North Reference:</b> Grid   |
| <b>Wellbore:</b> Original Wellpath  | <b>Survey Calculation Method:</b> Minimum Curvature                    |
| <b>Design:</b> As Drilled           | <b>Database:</b> Oklahoma District                                     |

Survey

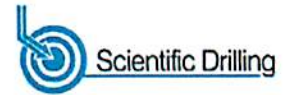
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) |
|-----------|---------|-------------------|------------|------------|------------|---------------|------------------|
| 1,112.0   | 0.08    | 179.73            | 1,112.0    | -1.5       | 2.0        | 2.0           | 0.09             |
| 1,212.0   | 0.17    | 257.94            | 1,212.0    | -1.6       | 1.8        | 2.1           | 0.17             |
| 1,312.0   | 0.12    | 277.95            | 1,312.0    | -1.6       | 1.6        | 2.0           | 0.07             |
| 1,412.0   | 0.17    | 243.76            | 1,412.0    | -1.7       | 1.3        | 2.0           | 0.10             |
| 1,512.0   | 0.12    | 242.54            | 1,512.0    | -1.8       | 1.1        | 2.0           | 0.05             |
| 1,612.0   | 0.18    | 222.97            | 1,612.0    | -2.0       | 0.9        | 2.1           | 0.08             |
| 1,712.0   | 0.17    | 300.03            | 1,712.0    | -2.0       | 0.7        | 2.1           | 0.22             |
| 1,812.0   | 0.08    | 259.84            | 1,812.0    | -1.9       | 0.5        | 2.0           | 0.12             |
| 1,912.0   | 0.03    | 257.52            | 1,912.0    | -2.0       | 0.4        | 2.0           | 0.05             |
| 2,012.0   | 0.08    | 286.94            | 2,012.0    | -1.9       | 0.3        | 1.9           | 0.06             |
| 2,112.0   | 0.03    | 142.86            | 2,112.0    | -1.9       | 0.2        | 1.9           | 0.11             |
| 2,212.0   | 0.08    | 193.64            | 2,212.0    | -2.0       | 0.2        | 2.0           | 0.07             |
| 2,312.0   | 0.09    | 9.19              | 2,312.0    | -2.0       | 0.2        | 2.0           | 0.17             |
| 2,412.0   | 0.10    | 80.83             | 2,412.0    | -1.9       | 0.3        | 1.9           | 0.11             |
| 2,512.0   | 0.04    | 257.90            | 2,512.0    | -1.9       | 0.4        | 1.9           | 0.14             |
| 2,612.0   | 0.11    | 146.25            | 2,612.0    | -2.0       | 0.4        | 2.0           | 0.13             |
| 2,712.0   | 0.16    | 225.91            | 2,712.0    | -2.2       | 0.4        | 2.2           | 0.18             |
| 2,812.0   | 0.12    | 264.78            | 2,812.0    | -2.3       | 0.1        | 2.2           | 0.10             |
| 2,912.0   | 0.24    | 243.30            | 2,912.0    | -2.4       | -0.1       | 2.2           | 0.14             |
| 3,012.0   | 0.33    | 266.72            | 3,012.0    | -2.5       | -0.6       | 2.2           | 0.15             |
| 3,112.0   | 0.26    | 258.00            | 3,112.0    | -2.6       | -1.1       | 2.1           | 0.08             |
| 3,212.0   | 0.26    | 271.14            | 3,212.0    | -2.6       | -1.6       | 2.0           | 0.06             |
| 3,312.0   | 0.32    | 256.40            | 3,312.0    | -2.7       | -2.1       | 1.9           | 0.10             |
| 3,412.0   | 0.29    | 268.85            | 3,412.0    | -2.7       | -2.6       | 1.8           | 0.07             |
| 3,512.0   | 0.19    | 250.01            | 3,512.0    | -2.8       | -3.0       | 1.8           | 0.13             |
| 3,612.0   | 0.12    | 293.25            | 3,612.0    | -2.8       | -3.3       | 1.7           | 0.13             |
| 3,712.0   | 0.19    | 241.27            | 3,712.0    | -2.9       | -3.5       | 1.7           | 0.15             |
| 3,812.0   | 0.15    | 272.08            | 3,812.0    | -2.9       | -3.8       | 1.7           | 0.10             |
| 3,912.0   | 0.24    | 262.18            | 3,912.0    | -3.0       | -4.1       | 1.6           | 0.10             |
| 4,012.0   | 0.13    | 253.25            | 4,012.0    | -3.0       | -4.4       | 1.5           | 0.11             |
| 4,112.0   | 0.17    | 284.93            | 4,112.0    | -3.0       | -4.7       | 1.5           | 0.09             |
| 4,212.0   | 0.26    | 242.95            | 4,212.0    | -3.1       | -5.0       | 1.4           | 0.18             |
| 4,312.0   | 0.20    | 259.90            | 4,312.0    | -3.2       | -5.4       | 1.4           | 0.09             |
| 4,412.0   | 0.23    | 263.64            | 4,412.0    | -3.3       | -5.8       | 1.4           | 0.03             |
| 4,512.0   | 0.26    | 282.77            | 4,512.0    | -3.2       | -6.2       | 1.2           | 0.09             |
| 4,612.0   | 0.23    | 316.87            | 4,612.0    | -3.0       | -6.6       | 0.9           | 0.15             |
| 4,712.0   | 0.28    | 297.30            | 4,712.0    | -2.8       | -6.9       | 0.6           | 0.10             |
| 4,812.0   | 0.34    | 316.52            | 4,812.0    | -2.5       | -7.3       | 0.1           | 0.12             |
| 4,912.0   | 0.32    | 318.87            | 4,912.0    | -2.0       | -7.7       | 0.4           | 0.02             |
| 5,012.0   | 0.38    | 327.91            | 5,012.0    | -1.5       | -8.1       | 1.0           | 0.08             |
| 5,112.0   | 0.49    | 330.23            | 5,112.0    | -0.9       | -8.5       | 1.7           | 0.11             |
| 5,212.0   | 0.40    | 320.46            | 5,212.0    | -0.2       | -8.9       | 3.4           | 0.12             |
| 5,312.0   | 0.46    | 334.54            | 5,312.0    | 0.4        | -9.3       | -3.2          | 0.12             |
| 5,412.0   | 0.43    | 326.94            | 5,412.0    | 1.1        | -9.7       | -3.9          | 0.07             |

Received  
Office of Oil & Gas  
JUL 27 2015

17-06278



EOW Completion Report



|                  |                     |                                     |  |
|------------------|---------------------|-------------------------------------|--|
| <b>Company:</b>  | Antero Resources    | <b>Local Co-ordinate Reference:</b> | Well Belton Unit 1H                              |
| <b>Project:</b>  | Doddridge County WV | <b>TVD Reference:</b>               | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Site:</b>     | Hughes Pad          | <b>MD Reference:</b>                | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Well:</b>     | Belton Unit 1H      | <b>North Reference:</b>             | Grid   |
| <b>Wellbore:</b> | Original Wellpath   | <b>Survey Calculation Method:</b>   | Minimum Curvature                                |
| <b>Design:</b>   | As Drilled          | <b>Database:</b>                    | Oklahoma District                                |

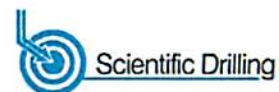
| Survey           |         |                   |  |            |            |            |               |                  |  |       |
|------------------|---------|-------------------|--|------------|------------|------------|---------------|------------------|--|-------|
| MD (usft)        | Inc (°) | Azi (azimuth) (°) |  | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) |  |       |
| 5,512.0          | 0.42    | 329.99            |  | 5,512.0    | 1.7        | -10.1      |               | -4.6             |  | 0.02  |
| 5,612.0          | 0.43    | 324.61            |  | 5,612.0    | 2.3        | -10.5      |               | -5.4             |  | 0.04  |
| 5,712.0          | 0.54    | 322.36            |  | 5,711.9    | 3.0        | -11.0      |               | -6.2             |  | 0.11  |
| 5,812.0          | 0.52    | 344.79            |  | 5,811.9    | 3.8        | -11.4      |               | -7.0             |  | 0.21  |
| 5,912.0          | 0.45    | 347.41            |  | 5,911.9    | 4.6        | -11.6      |               | -7.9             |  | 0.07  |
| 6,012.0          | 0.43    | 352.57            |  | 6,011.9    | 5.4        | -11.7      |               | -8.7             |  | 0.04  |
| 6,112.0          | 0.31    | 346.14            |  | 6,111.9    | 6.0        | -11.8      |               | -9.3             |  | 0.13  |
| 6,212.0          | 0.25    | 21.31             |  | 6,211.9    | 6.5        | -11.8      |               | -9.7             |  | 0.18  |
| 6,312.0          | 0.07    | 12.34             |  | 6,311.9    | 6.7        | -11.7      |               | -10.0            |  | 0.18  |
| 6,412.0          | 0.06    | 47.72             |  | 6,411.9    | 6.8        | -11.7      |               | -10.0            |  | 0.04  |
| 6,512.0          | 0.08    | 134.86            |  | 6,511.9    | 6.8        | -11.6      |               | -10.0            |  | 0.10  |
| 6,612.0          | 0.20    | 34.16             |  | 6,611.9    | 6.9        | -11.4      |               | -10.0            |  | 0.23  |
| 6,712.0          | 0.15    | 149.78            |  | 6,711.9    | 7.0        | -11.3      |               | -10.0            |  | 0.30  |
| 6,714.1          | 0.15    | 148.81            |  | 6,714.0    | 6.9        | -11.3      |               | -10.0            |  | 0.12  |
| 6,815.0          | 3.30    | 221.81            |  | 6,814.9    | 4.7        | -13.1      |               | -8.4             |  | 3.23  |
| 6,847.0          | 7.81    | 221.50            |  | 6,846.7    | 2.4        | -15.2      |               | -6.8             |  | 14.09 |
| 6,871.0          | 10.79   | 225.77            |  | 6,870.4    | -0.4       | -17.9      |               | -5.0             |  | 12.73 |
| <b>Sycamore</b>  |         |                   |  |            |            |            |               |                  |  |       |
| 6,879.0          | 11.79   | 226.72            |  | 6,878.2    | -1.5       | -19.0      |               | -4.3             |  | 12.73 |
| 6,911.0          | 14.85   | 227.21            |  | 6,909.4    | -6.5       | -24.4      |               | -1.1             |  | 9.57  |
| 6,943.0          | 16.75   | 226.73            |  | 6,940.2    | -12.5      | -30.8      |               | 2.7              |  | 5.95  |
| 6,975.0          | 20.11   | 226.93            |  | 6,970.5    | -19.4      | -38.1      |               | 7.0              |  | 10.50 |
| 7,007.0          | 23.27   | 225.65            |  | 7,000.3    | -27.6      | -46.7      |               | 12.3             |  | 9.98  |
| 7,039.0          | 25.04   | 219.43            |  | 7,029.5    | -37.2      | -55.5      |               | 18.8             |  | 9.68  |
| 7,048.0          | 25.46   | 216.52            |  | 7,037.6    | -40.3      | -57.9      |               | 21.0             |  | 14.58 |
| <b>Middlesex</b> |         |                   |  |            |            |            |               |                  |  |       |
| 7,071.0          | 26.79   | 209.52            |  | 7,058.3    | -48.8      | -63.4      |               | 27.4             |  | 14.58 |
| 7,104.0          | 29.56   | 202.17            |  | 7,087.3    | -62.8      | -70.1      |               | 38.8             |  | 13.44 |
| 7,136.0          | 32.93   | 196.92            |  | 7,114.7    | -78.4      | -75.6      |               | 52.0             |  | 13.53 |
| 7,168.0          | 36.40   | 192.04            |  | 7,141.0    | -96.0      | -80.1      |               | 67.5             |  | 13.88 |
| 7,200.0          | 39.41   | 187.46            |  | 7,166.3    | -115.4     | -83.4      |               | 85.0             |  | 12.87 |
| 7,228.0          | 41.93   | 185.44            |  | 7,187.5    | -133.5     | -85.5      |               | 101.6            |  | 10.14 |
| <b>Burkett</b>   |         |                   |  |            |            |            |               |                  |  |       |
| 7,232.0          | 42.29   | 185.17            |  | 7,190.5    | -136.2     | -85.7      |               | 104.1            |  | 10.14 |
| 7,261.0          | 45.08   | 183.10            |  | 7,211.5    | -156.2     | -87.2      |               | 122.7            |  | 10.80 |
| <b>Tully</b>     |         |                   |  |            |            |            |               |                  |  |       |
| 7,264.0          | 45.37   | 182.90            |  | 7,213.6    | -158.3     | -87.3      |               | 124.7            |  | 10.80 |
| 7,296.0          | 48.66   | 180.24            |  | 7,235.4    | -181.7     | -87.9      |               | 146.8            |  | 11.94 |
| 7,328.0          | 52.43   | 178.62            |  | 7,255.7    | -206.4     | -87.6      |               | 170.5            |  | 12.41 |
| 7,360.0          | 55.95   | 177.27            |  | 7,274.4    | -232.3     | -86.7      |               | 195.5            |  | 11.52 |
| 7,392.0          | 60.39   | 176.49            |  | 7,291.3    | -259.5     | -85.2      |               | 221.8            |  | 14.03 |
| 7,401.0          | 61.47   | 176.06            |  | 7,295.7    | -267.3     | -84.7      |               | 229.5            |  | 12.67 |
| <b>Hamilton</b>  |         |                   |  |            |            |            |               |                  |  |       |
| 7,424.0          | 64.22   | 174.99            |  | 7,306.2    | -287.7     | -83.1      |               | 249.4            |  | 12.67 |
| 7,456.0          | 68.28   | 173.52            |  | 7,319.1    | -316.8     | -80.2      |               | 278.1            |  | 13.37 |

Received  
Office of Oil & Gas  
JUL 27 2015

17-06278



EOW Completion Report



|                  |                     |                                     |  |
|------------------|---------------------|-------------------------------------|--|
| <b>Company:</b>  | Antero Resources    | <b>Local Co-ordinate Reference:</b> | Well Belton Unit 1H                              |
| <b>Project:</b>  | Doddridge County WV | <b>TVD Reference:</b>               | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Site:</b>     | Hughes Pad          | <b>MD Reference:</b>                | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Well:</b>     | Belton Unit 1H      | <b>North Reference:</b>             | Grid   |
| <b>Wellbore:</b> | Original Wellpath   | <b>Survey Calculation Method:</b>   | Minimum Curvature                                |
| <b>Design:</b>   | As Drilled          | <b>Database:</b>                    | Oklahoma District                                |

| Survey           |         |                   |        |            |            |            |               |                  |
|------------------|---------|-------------------|--------|------------|------------|------------|---------------|------------------|
| MD (usft)        | Inc (°) | Azi (azimuth) (°) |        | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) |
| 7,489.0          | 72.30   | 172.43            | 172.43 | 7,330.2    | -347.7     | -76.4      | 308.6         | 12.57            |
| 7,498.0          | 73.11   | 172.13            | 172.13 | 7,332.9    | -356.2     | -75.2      | 317.1         | 9.53             |
| <b>Marcellus</b> |         |                   |        |            |            |            |               |                  |
| 7,521.0          | 75.18   | 171.39            | 171.39 | 7,339.2    | -378.1     | -72.0      | 338.9         | 9.53             |
| 7,553.0          | 78.16   | 170.11            | 170.11 | 7,346.5    | -408.8     | -67.0      | 369.7         | 10.09            |
| 7,585.0          | 82.55   | 169.31            | 169.31 | 7,351.9    | -439.8     | -61.4      | 401.0         | 13.94            |
| 7,595.0          | 83.80   | 169.10            | 169.10 | 7,353.1    | -449.6     | -59.5      | 410.9         | 12.67            |
| 7,651.0          | 90.84   | 166.31            | 166.31 | 7,355.7    | -504.2     | -47.6      | 466.5         | 13.52            |
| 7,687.0          | 90.84   | 165.38            | 165.38 | 7,355.2    | -539.1     | -38.8      | 502.5         | 2.58             |
| 7,784.0          | 90.44   | 163.89            | 163.89 | 7,354.1    | -632.6     | -13.1      | 599.4         | 1.59             |
| 7,880.0          | 90.03   | 164.70            | 164.70 | 7,353.7    | -725.0     | 12.8       | 695.4         | 0.95             |
| 7,977.0          | 90.24   | 163.15            | 163.15 | 7,353.5    | -818.2     | 39.7       | 792.3         | 1.61             |
| 8,073.0          | 89.43   | 161.99            | 161.99 | 7,353.7    | -909.8     | 68.5       | 888.3         | 1.47             |
| 8,169.0          | 90.37   | 161.72            | 161.72 | 7,353.9    | -1,001.1   | 98.4       | 984.3         | 1.02             |
| 8,266.0          | 90.74   | 162.61            | 162.61 | 7,353.0    | -1,093.4   | 128.1      | 1,081.3       | 0.99             |
| 8,362.0          | 90.50   | 162.10            | 162.10 | 7,351.9    | -1,184.9   | 157.2      | 1,177.3       | 0.59             |
| 8,458.0          | 91.41   | 161.90            | 161.90 | 7,350.3    | -1,276.2   | 186.8      | 1,273.3       | 0.97             |
| 8,555.0          | 91.41   | 161.81            | 161.81 | 7,347.9    | -1,368.3   | 217.0      | 1,370.2       | 0.09             |
| 8,651.0          | 90.34   | 160.24            | 160.24 | 7,346.5    | -1,459.1   | 248.2      | 1,466.2       | 1.98             |
| 8,748.0          | 92.00   | 161.64            | 161.64 | 7,344.5    | -1,550.7   | 279.9      | 1,563.1       | 2.24             |
| 8,838.0          | 91.75   | 163.17            | 163.17 | 7,341.6    | -1,636.5   | 307.1      | 1,653.1       | 1.72             |
| 8,929.0          | 90.50   | 163.77            | 163.77 | 7,339.8    | -1,723.7   | 333.0      | 1,744.0       | 1.52             |
| 9,019.0          | 88.82   | 161.07            | 161.07 | 7,340.3    | -1,809.5   | 360.2      | 1,834.0       | 3.53             |
| 9,111.0          | 91.01   | 163.25            | 163.25 | 7,340.4    | -1,897.0   | 388.3      | 1,926.0       | 3.36             |
| 9,201.0          | 91.28   | 162.14            | 162.14 | 7,338.6    | -1,983.0   | 415.1      | 2,016.0       | 1.27             |
| 9,292.0          | 88.96   | 158.33            | 158.33 | 7,338.4    | -2,068.6   | 445.9      | 2,106.9       | 4.90             |
| 9,382.0          | 91.88   | 162.06            | 162.06 | 7,337.8    | -2,153.2   | 476.4      | 2,196.8       | 5.26             |
| 9,472.0          | 91.61   | 161.08            | 161.08 | 7,335.0    | -2,238.6   | 504.8      | 2,286.8       | 1.13             |
| 9,563.0          | 93.29   | 163.49            | 163.49 | 7,331.2    | -2,325.2   | 532.5      | 2,377.7       | 3.23             |
| 9,654.0          | 90.17   | 164.00            | 164.00 | 7,328.4    | -2,412.5   | 557.9      | 2,468.6       | 3.47             |
| 9,745.0          | 90.13   | 163.22            | 163.22 | 7,328.2    | -2,499.8   | 583.6      | 2,559.6       | 0.86             |
| 9,836.0          | 89.76   | 163.74            | 163.74 | 7,328.3    | -2,587.0   | 609.5      | 2,650.6       | 0.70             |
| 9,933.0          | 89.09   | 162.73            | 162.73 | 7,329.2    | -2,679.9   | 637.4      | 2,747.5       | 1.25             |
| 10,029.0         | 90.07   | 162.96            | 162.96 | 7,329.9    | -2,771.6   | 665.8      | 2,843.5       | 1.05             |
| 10,125.0         | 89.73   | 162.88            | 162.88 | 7,330.1    | -2,863.4   | 694.0      | 2,939.5       | 0.36             |
| 10,222.0         | 88.99   | 162.17            | 162.17 | 7,331.2    | -2,955.9   | 723.1      | 3,036.5       | 1.06             |
| 10,319.0         | 91.65   | 163.74            | 163.74 | 7,330.6    | -3,048.6   | 751.5      | 3,133.5       | 3.18             |
| 10,415.0         | 91.48   | 163.21            | 163.21 | 7,328.0    | -3,140.6   | 778.8      | 3,229.5       | 0.58             |
| 10,512.0         | 89.80   | 163.44            | 163.44 | 7,326.9    | -3,233.5   | 806.6      | 3,326.7       | 1.75             |
| 10,608.0         | 89.09   | 163.16            | 163.16 | 7,327.9    | -3,325.5   | 834.2      | 3,422.4       | 0.80             |
| 10,704.0         | 88.49   | 160.59            | 160.59 | 7,329.9    | -3,416.7   | 864.1      | 3,518.4       | 2.75             |
| 10,801.0         | 90.67   | 162.63            | 162.63 | 7,330.6    | -3,508.7   | 894.7      | 3,615.4       | 0.08             |
| 10,897.0         | 90.50   | 163.72            | 163.72 | 7,329.6    | -3,600.6   | 922.5      | 3,711.3       | 1.15             |
| 10,993.0         | 89.93   | 163.50            | 163.50 | 7,329.3    | -3,692.7   | 949.5      | 3,807.3       | 0.64             |
| 11,090.0         | 89.40   | 161.56            | 161.56 | 7,329.8    | -3,785.2   | 978.7      | 3,904.3       | 2.07             |

Received  
Office of Oil & Gas  
JUL 27 2015

17-06278



EOW Completion Report



|                  |                     |                                     |  |
|------------------|---------------------|-------------------------------------|--|
| <b>Company:</b>  | Antero Resources    | <b>Local Co-ordinate Reference:</b> | Well Belton Unit 1H                              |
| <b>Project:</b>  | Doddridge County WV | <b>TVD Reference:</b>               | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Site:</b>     | Hughes Pad          | <b>MD Reference:</b>                | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Well:</b>     | Belton Unit 1H      | <b>North Reference:</b>             | Grid   |
| <b>Wellbore:</b> | Original Wellpath   | <b>Survey Calculation Method:</b>   | Minimum Curvature                                |
| <b>Design:</b>   | As Drilled          | <b>Database:</b>                    | Oklahoma District                                |

| Survey    |         |                   |            |            |            |               |                  |  |
|-----------|---------|-------------------|------------|------------|------------|---------------|------------------|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) |  |
| 11,186.0  | 91.44   | 162.83            | 7,329.1    | -3,876.6   | 1,008.0    | 4,000.3       | 2.50             |  |
| 11,283.0  | 91.54   | 161.79            | 7,326.6    | -3,969.0   | 1,037.5    | 4,097.3       | 1.08             |  |
| 11,379.0  | 89.13   | 160.93            | 7,326.0    | -4,060.0   | 1,068.2    | 4,193.2       | 2.67             |  |
| 11,475.0  | 90.50   | 162.18            | 7,326.4    | -4,151.0   | 1,098.5    | 4,289.2       | 1.93             |  |
| 11,572.0  | 90.75   | 162.51            | 7,325.3    | -4,243.4   | 1,127.9    | 4,386.2       | 0.43             |  |
| 11,668.0  | 90.40   | 160.86            | 7,324.3    | -4,334.6   | 1,158.1    | 4,482.2       | 1.76             |  |
| 11,764.0  | 90.81   | 162.79            | 7,323.3    | -4,425.8   | 1,188.1    | 4,578.2       | 2.06             |  |
| 11,861.0  | 91.11   | 163.09            | 7,321.7    | -4,518.5   | 1,216.5    | 4,675.2       | 0.44             |  |
| 11,957.0  | 89.70   | 161.23            | 7,321.0    | -4,609.9   | 1,245.9    | 4,771.2       | 2.43             |  |
| 12,053.0  | 90.74   | 162.35            | 7,320.6    | -4,701.1   | 1,275.9    | 4,867.1       | 1.59             |  |
| 12,150.0  | 90.91   | 164.42            | 7,319.3    | -4,794.0   | 1,303.6    | 4,964.1       | 2.14             |  |
| 12,246.0  | 91.04   | 164.74            | 7,317.6    | -4,886.5   | 1,329.2    | 5,060.0       | 0.36             |  |
| 12,342.0  | 89.83   | 164.55            | 7,316.9    | -4,979.1   | 1,354.6    | 5,156.0       | 1.28             |  |
| 12,438.0  | 89.56   | 163.33            | 7,317.4    | -5,071.3   | 1,381.1    | 5,251.9       | 1.30             |  |
| 12,534.0  | 90.50   | 163.08            | 7,317.3    | -5,163.2   | 1,408.9    | 5,347.9       | 1.01             |  |
| 12,631.0  | 90.30   | 163.82            | 7,316.7    | -5,256.2   | 1,436.5    | 5,444.9       | 0.79             |  |
| 12,727.0  | 89.87   | 163.06            | 7,316.5    | -5,348.2   | 1,463.9    | 5,540.9       | 0.91             |  |
| 12,824.0  | 89.50   | 162.03            | 7,317.1    | -5,440.8   | 1,493.0    | 5,637.9       | 1.13             |  |
| 12,920.0  | 89.90   | 161.16            | 7,317.6    | -5,531.9   | 1,523.3    | 5,733.9       | 1.00             |  |
| 13,016.0  | 90.40   | 161.32            | 7,317.3    | -5,622.8   | 1,554.2    | 5,829.9       | 0.55             |  |
| 13,112.0  | 90.44   | 160.53            | 7,316.6    | -5,713.5   | 1,585.5    | 5,925.8       | 0.82             |  |
| 13,209.0  | 91.28   | 162.21            | 7,315.2    | -5,805.4   | 1,616.5    | 6,022.8       | 1.94             |  |
| 13,305.0  | 91.01   | 161.32            | 7,313.2    | -5,896.5   | 1,646.5    | 6,118.8       | 0.97             |  |
| 13,402.0  | 91.34   | 163.24            | 7,311.2    | -5,988.9   | 1,676.1    | 6,215.7       | 2.01             |  |
| 13,497.0  | 91.11   | 163.09            | 7,309.2    | -6,079.8   | 1,703.6    | 6,310.7       | 0.29             |  |
| 13,593.0  | 90.24   | 163.29            | 7,308.1    | -6,171.7   | 1,731.3    | 6,406.7       | 0.93             |  |
| 13,689.0  | 90.84   | 161.61            | 7,307.2    | -6,263.2   | 1,760.3    | 6,502.7       | 1.86             |  |
| 13,785.0  | 91.65   | 162.88            | 7,305.1    | -6,354.6   | 1,789.5    | 6,598.7       | 1.57             |  |
| 13,882.0  | 89.40   | 159.74            | 7,304.2    | -6,446.5   | 1,820.6    | 6,695.6       | 3.98             |  |
| 13,978.0  | 91.71   | 161.64            | 7,303.3    | -6,537.1   | 1,852.4    | 6,791.5       | 3.12             |  |
| 14,074.0  | 91.91   | 162.93            | 7,300.2    | -6,628.5   | 1,881.5    | 6,887.5       | 1.36             |  |
| 14,171.0  | 91.28   | 164.16            | 7,297.5    | -6,721.5   | 1,909.0    | 6,984.4       | 1.42             |  |
| 14,267.0  | 89.36   | 164.36            | 7,297.0    | -6,813.9   | 1,935.1    | 7,080.4       | 2.01             |  |
| 14,364.0  | 88.59   | 164.18            | 7,298.7    | -6,907.2   | 1,961.3    | 7,177.3       | 0.82             |  |
| 14,460.0  | 91.48   | 165.89            | 7,298.7    | -7,000.0   | 1,986.1    | 7,273.2       | 3.50             |  |
| 14,557.0  | 90.27   | 163.48            | 7,297.2    | -7,093.5   | 2,011.7    | 7,370.1       | 2.78             |  |
| 14,653.0  | 89.87   | 163.26            | 7,297.1    | -7,185.5   | 2,039.2    | 7,466.1       | 0.48             |  |
| 14,749.0  | 90.07   | 162.82            | 7,297.1    | -7,277.3   | 2,067.2    | 7,562.1       | 0.50             |  |
| 14,846.0  | 90.47   | 163.18            | 7,296.7    | -7,370.1   | 2,095.6    | 7,659.1       | 0.55             |  |
| 14,942.0  | 89.93   | 163.92            | 7,296.3    | -7,462.1   | 2,122.8    | 7,755.1       | 0.95             |  |
| 15,038.0  | 88.79   | 162.92            | 7,297.4    | -7,554.1   | 2,150.2    | 7,851.1       | 1.58             |  |
| 15,135.0  | 87.79   | 160.80            | 7,300.3    | -7,646.3   | 2,180.3    | 7,948.0       | 2.42             |  |
| 15,231.0  | 88.99   | 159.72            | 7,303.0    | -7,736.6   | 2,212.8    | 8,043.9       | 1.68             |  |
| 15,328.0  | 90.10   | 161.44            | 7,303.8    | -7,828.1   | 2,245.0    | 8,140.8       | 2.11             |  |

Received  
Office of Oil & Gas  
JUL 27 2015

17-06278



EOW Completion Report



|                  |                     |                                     |  |
|------------------|---------------------|-------------------------------------|--|
| <b>Company:</b>  | Antero Resources    | <b>Local Co-ordinate Reference:</b> | Well Belton Unit 1H                              |
| <b>Project:</b>  | Doddridge County WV | <b>TVD Reference:</b>               | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Site:</b>     | Hughes Pad          | <b>MD Reference:</b>                | Frontier 22: Belton Unit 1H 1331' + 25' RKB @ 13 |
| <b>Well:</b>     | Belton Unit 1H      | <b>North Reference:</b>             | Grid   |
| <b>Wellbore:</b> | Original Wellpath   | <b>Survey Calculation Method:</b>   | Minimum Curvature                                |
| <b>Design:</b>   | As Drilled          | <b>Database:</b>                    | Oklahoma District                                |

| Survey    |         |                   |        |            |            |           |               |                  |  |
|-----------|---------|-------------------|--------|------------|------------|-----------|---------------|------------------|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) |        | TVD (usft) | N/S (usft) | EW (usft) | V. Sec (usft) | DLeg (°/100usft) |  |
| 15,424.0  | 89.73   | 160.73            | 160.73 | 7,303.9    | -7,918.9   | 2,276.1   | 8,236.8       | 0.83             |  |
| 15,521.0  | 90.17   | 160.59            | 160.59 | 7,304.0    | -8,010.4   | 2,308.2   | 8,333.8       | 0.48             |  |
| 15,617.0  | 90.03   | 159.45            | 159.45 | 7,303.8    | -8,100.6   | 2,341.1   | 8,429.7       | 1.20             |  |
| 15,713.0  | 89.36   | 159.46            | 159.46 | 7,304.3    | -8,190.5   | 2,374.7   | 8,525.5       | 0.70             |  |
| 15,745.0  | 89.77   | 160.25            | 160.25 | 7,304.6    | -8,220.5   | 2,385.8   | 8,557.5       | 2.78             |  |
| 15,800.0  | 89.77   | 160.25            | 160.25 | 7,304.8    | -8,272.3   | 2,404.3   | 8,612.4       | 0.00             |  |

| Design Annotations    |                       |                   |              |           |  |
|-----------------------|-----------------------|-------------------|--------------|-----------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment   |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |           |  |
| 6,871.0               | 6,870.4               | -0.4              | -17.9        | Sycamore  |  |
| 7,048.0               | 7,037.6               | -40.3             | -57.9        | Middlesex |  |
| 7,228.0               | 7,187.5               | -133.5            | -85.5        | Burkett   |  |
| 7,261.0               | 7,211.5               | -156.2            | -87.2        | Tully     |  |
| 7,401.0               | 7,295.7               | -267.3            | -84.7        | Hamilton  |  |
| 7,498.0               | 7,332.9               | -356.2            | -75.2        | Marcellus |  |

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

Received  
Office of Oil & Gas  
JUL 27 2015

# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                |                              |
|--------------------------------|------------------------------|
| Job Start Date:                | 5/26/2014                    |
| Job End Date:                  | 6/6/2014                     |
| State:                         | West Virginia                |
| County:                        | Doddridge                    |
| API Number:                    | 47-017-06278-00-00           |
| Operator Name:                 | Antero Resources Corporation |
| Well Name and Number:          | Belton Unit 1H               |
| Longitude:                     | -80.62075000                 |
| Latitude:                      | 39.21934700                  |
| Datum:                         | NAD27                        |
| Federal/Tribal Well:           | NO                           |
| True Vertical Depth:           | 7,356                        |
| Total Base Water Volume (gal): | 11,564,490                   |
| Total Base Non Water Volume:   | 0                            |



Received  
Office of Oil & Gas  
JUL 27 2015



## Hydraulic Fracturing Fluid Composition:

| Trade Name            | Supplier     | Purpose          | Ingredients                                | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentration in Additive (% by mass)** | Maximum Ingredient Concentration in HF Fluid (% by mass)** | Comments          |
|-----------------------|--------------|------------------|--|--|--|--|-------------------|
| Water                 | Operator     | Carrier          | Water                                      | 7732-18-5                                | 100.00000  | 89.95499   |                   |
| Sand, White, 40/70    | Baker Hughes | Proppant         | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 5.65795  |                   |
| Sand, White, 20/40    | Baker Hughes | Proppant         | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 3.26739  |                   |
| Sand, White, 100 mesh | Baker Hughes | Proppant         | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 0.62105  |                   |
| HCl, 10.1 - 15%       | Baker Hughes | Acidizing        | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 0.21897  | SmartCare Product |
| GW-3LDF               | Baker Hughes | Gelling Agent    | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 0.09441  | SmartCare Product |
| FRW-18                | Baker Hughes | Friction Reducer | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 0.06472  | SmartCare Product |
| Scaletrol 720         | Baker Hughes | Scale Inhibitor  | MSDS and Non-MSDS Ingredients Listed Below | N/A                                      |  | 0.01607  | SmartCare Product |

17-06278



17-06278

|  |              |                           |   |            |           |         |                   |
|--|--------------|---------------------------|---|------------|-----------|---------|-------------------|
| Alpha 1427   | Baker Hughes | Biocide                   |   |            |           |         |                   |
|  |              |                           | MSDS and Non-MSDS<br>Ingredients Listed Below                   | N/A        |           | 0.01438 | SmartCare Product |
| Enzyme G-NE  | Baker Hughes | Breaker                   |   |            |           |         |                   |
|  |              |                           | MSDS and Non-MSDS<br>Ingredients Listed Below                   | N/A        |           | 0.01213 | SmartCare Product |
| Ferrotrol 300L   | Baker Hughes | Iron Control              |   |            |           |         |                   |
|  |              |                           | MSDS and Non-MSDS<br>Ingredients Listed Below                   | N/A        |           | 0.00147 | SmartCare Product |
| CI-14  | Baker Hughes | Corrosion Inhibitor       |   |            |           |         |                   |
|  |              |                           | MSDS and Non-MSDS<br>Ingredients Listed Below                   | N/A        |           | 0.00032 | SmartCare Product |
| Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS. |              |                           |   |            |           |         |                   |
| Ingredients in Additive<br>(s) (MSDS and non-<br>MSDS)   | Baker Hughes | See Trade Name(s)<br>List |   |            |           |         |                   |
|  |              |                           | Crystalline Silica (Quartz)                                     | 14808-60-7 | 100.00000 | 9.53832 |                   |
|  |              |                           | Water   | 7732-18-5  | 95.00000  | 0.24073 |                   |
|  |              |                           | Mineral Oil   | 8042-47-5  | 70.00000  | 0.06603 |                   |
|  |              |                           | Guar Gum  | 9000-30-0  | 60.00000  | 0.05660 |                   |
|  |              |                           | Hydrochloric Acid   | 7647-01-0  | 15.00000  | 0.03282 |                   |
|  |              |                           | Paraffinic Petroleum Distillate                                 | 64742-55-8 | 30.00000  | 0.02830 |                   |
|  |              |                           | Hydrotreated Light Distillate                                   | 64742-47-8 | 30.00000  | 0.01940 |                   |
|  |              |                           | Poly (acrylamide-co-acrylic acid)<br>partial sodium salt        | 62649-23-4 | 30.00000  | 0.01940 |                   |
|  |              |                           | Ethylene Glycol   | 107-21-1   | 45.00000  | 0.00723 |                   |
|  |              |                           | Isotridecanol, ethoxylated                                      | 9043-30-5  | 5.00000   | 0.00472 |                   |
|  |              |                           | Crystalline Silica: Quartz                                      | 14808-60-7 | 5.00000   | 0.00472 |                   |
|  |              |                           | 1-butoxy-2-propanol   | 5131-66-8  | 5.00000   | 0.00472 |                   |
|  |              |                           | Glutaraldehyde  | 111-30-8   | 30.00000  | 0.00431 |                   |
|  |              |                           | Sodium Chloride   | 7647-14-5  | 5.00000   | 0.00339 |                   |
|  |              |                           | 2-Propenoic, Polymer with<br>Sodium Phosphinate, Sodium<br>Salt | 71050-62-9 | 20.00000  | 0.00321 |                   |
|  |              |                           | Ammonium Chloride   | 12125-02-9 | 3.00000   | 0.00194 |                   |
|  |              |                           | Didecyl Dimethyl Ammonium<br>Chloride                           | 7173-51-5  | 10.00000  | 0.00144 |                   |
|  |              |                           | Oleamide DEA  | 93-83-4    | 2.00000   | 0.00129 |                   |
|  |              |                           | Alcohols, C12-16, ethoxylated                                   | 68551-12-2 | 2.00000   | 0.00129 |                   |
|  |              |                           | Citric Acid   | 77-92-9    | 60.00000  | 0.00088 |                   |
|  |              |                           | Calcium Chloride  | 10043-52-4 | 5.00000   | 0.00080 |                   |
|  |              |                           | Quaternary Ammonium<br>Compound                                 | 68424-85-1 | 5.00000   | 0.00072 |                   |
|  |              |                           | Ethanol   | 64-17-5    | 5.00000   | 0.00072 |                   |
|  |              |                           | Hemicellulase Enzyme<br>Concentrate                             | 9025-56-3  | 5.00000   | 0.00061 |                   |
|  |              |                           | Methanol  | 67-56-1    | 100.00000 | 0.00032 |                   |
|  |              |                           | Sorbitan Monooleate   | 1338-43-8  | 0.50000   | 0.00032 |                   |
|  |              |                           | Polyoxyethylene Sorbitan<br>Monooleate                          | 9005-65-6  | 0.50000   | 0.00032 |                   |
|  |              |                           | Potassium Chloride  | 7447-40-7  | 1.00000   | 0.00016 |                   |

Submitted  
 Office of Business  
 JUL 29 2013

17-06278

|  |                           |            |          |         |
|--|---------------------------|------------|----------|---------|
|  | Polyoxyalkylenes          | 68951-67-7 | 30.00000 | 0.00010 |
|  | 2-butoxy-1-propanol       | 15821-83-7 | 0.10000  | 0.00009 |
|  | Fatty Acids               | 51790-12-3 | 10.00000 | 0.00003 |
|  | Modified Thiourea Polymer | 88527-49-1 | 7.00000  | 0.00002 |
|  | Propargyl Alcohol         | 107-19-7   | 5.00000  | 0.00002 |
|  | Olefin                    | 64743-02-8 | 5.00000  | 0.00002 |
|  | Formaldehyde              | 50-00-0    | 1.00000  | 0.00000 |

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water  
 \*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.  
 Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Received  
 Office of Oil & Gas  
 JUL 27 2015

10/23/2015

