

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

API 47-103-03163 County WETZEL District GRANT
Quad BIG RUN Pad Name BIG360 Field/Pool Name N/A
Farm name COASTAL FOREST RESOURCES d/b/a COASTAL TIMBERLANDS COMPANY Well Number 515110
Operator (as registered with the OOG) EQT Production Company
Address 625 Liberty Ave. EQT Plaza, Suite 1700 City Pittsburgh State PA Zip 15222

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,375,976.68 Easting 532,947.70
Landing Point of Curve Northing 4,375,905.18 Easting 533,272.87
Bottom Hole Northing 4,377,541.97 Easting 532,853.65

Elevation (ft) 999' 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)
Synthetic Base Mud 13.4 ppg, barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 11/30/2016 Date drilling commenced 5/30/2017 Date drilling ceased 10/5/2017
Date completion activities began 11/7/2017 Date completion activities ceased 12/2/2017
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 291,353 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1972 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 280,440,661,763 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

See in file
5-10-18

Reviewed by: DBH

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API 47-103 - 03163 Farm name COASTAL FOREST RESOURCES dba COASTAL TIMBERLANDS COMPANY Well number 515110

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/N) * Provide details below* |
|---------------------------|-----------|-------------|--------|-------------|-------------|-----------------|--|
| Conductor | 30" | 26" | 40' | NEW | A-500 | N/A | Y |
| Surface | 17 1/2" | 13 3/8" | 859' | NEW | J-55 | 317 | Y |
| Coal | | | | | | | |
| Intermediate 1 | 12 3/8" | 9 5/8" | 2449' | NEW | A-500 | N/A | Y |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8 1/2" | 5 1/2" | 13464' | NEW | P-110 | N/A | N |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details N/A

| CEMENT DATA | Class/Type of Cement | Number of Sacks | Slurry wt (ppg) | Yield (ft ³ /sks) | Volume (ft ³) | Cement Top (MD) | WOC (hrs) |
|----------------|----------------------|-----------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor | CLASS A | 49 | 15.6 | 1.18 | 57.8 | 0 | 8 |
| Surface | CLASS A | 778 | 15.6 | 1.20 | 871.3 | 0 | 8 |
| Coal | | | | | | | |
| Intermediate 1 | CLASS A / CLASS A | 676 / 200 | 15.6 / 15.6 | 1.18 / 1.20 | 1051.2 | 0 | 8 |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | CLASS H / CLASS H | 61 / 829 | 15.2 / 15.6 | 1.25 / 2.06 | 1783.9 | 6700 | 72+ |
| Tubing | | | | | | | |

Drillers TD (ft) 13468' Loggers TD (ft) N/A
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 4694'

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: NONE
 SURFACE: 3 CENTRALIZERS @ JOINTS 1,7,9
 INTERMEDIATE: 5 CENTRALIZERS PLACED EVERY 500'
 PRODUCTION: 202Spiral body composite centralizers placed every joint from 13463' to 4648' MD.

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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- 103 - 03163 Farm name COASTAL FOREST RESOURCES d/b/a COASTAL TIMBERLANDS COMPANY Well number 515110

Drilling Contractor Savanna Drilling (Rig 803)
Address 125 Industry Road City Waynesburg State PA Zip 15370

Logging Company Phoenix Technology Services
Address 1805 Brittmoore Road City Houston State TX Zip 77043

Final Formations Well #515110 API #47-103-03163

| Formation Name | Drill Top MD (ftKB) | Drill Top (TVD) (ftKB) | Drill Btm MD (ftKB) | Drill Btm (TVD) (ftKB) |
|-----------------|---------------------|------------------------|---------------------|------------------------|
| SAND/SHALE | 1 | 1 | 280 | 280 |
| WASHINGTON COAL | 280 | 280 | 282 | 282 |
| SAND/SHALE | 282 | 282 | 440 | 440 |
| COAL | 440 | 440 | 444 | 444 |
| SAND/SHALE | 444 | 444 | 661 | 661 |
| SEWICKLEY COAL | 661 | 661 | 662 | 662 |
| SAND/SHALE | 662 | 662 | 763 | 763 |
| PITTSBURGH COAL | 763 | 763 | 767 | 767 |
| SAND/SHALE | 767 | 767 | 1792 | 1792 |
| MAXTON | 1792 | 1792 | 1809 | 1809 |
| SAND/SHALE | 1809 | 1809 | 1943 | 1943 |
| BIG LIME | 1943 | 1943 | 2082 | 2082 |
| SAND/SHALE | 2082 | 2082 | 2105 | 2105 |
| BIG INJUN | 2105 | 2105 | 2206 | 2206 |
| SAND/SHALE | 2206 | 2206 | 2372 | 2372 |
| WEIR | 2372 | 2372 | 2441 | 2441 |
| SAND/SHALE | 2441 | 2441 | 2523 | 2523 |
| GANTZ | 2523 | 2523 | 2558 | 2558 |
| SAND/SHALE | 2558 | 2558 | 2628 | 2628 |
| 50F | 2628 | 2628 | 2656 | 2656 |
| SAND/SHALE | 2656 | 2656 | 2784 | 2784 |
| 30F | 2784 | 2784 | 2798 | 2798 |
| SAND/SHALE | 2798 | 2798 | 2800 | 2800 |
| GORDON | 2800 | 2800 | 2846 | 2846 |
| SAND/SHALE | 2846 | 2846 | 2886 | 2886 |
| 4TH SAND | 2886 | 2886 | 2897 | 2897 |
| SAND/SHALE | 2897 | 2897 | 2941 | 2941 |
| 5TH SAND | 2941 | 2941 | 2952 | 2952 |
| SAND/SHALE | 2952 | 2952 | 3018 | 3018 |
| BAYARD | 3018 | 3018 | 3043 | 3043 |
| SAND/SHALE | 3043 | 3043 | 3466 | 3466 |
| WARREN | 3466 | 3466 | 3523 | 3523 |
| SAND/SHALE | 3523 | 3523 | 3620 | 3620 |
| SPEECHLEY | 3620 | 3620 | 3654 | 3654 |
| SAND/SHALE | 3654 | 3654 | 3973 | 3973 |
| BALLTOWN | 3973 | 3973 | 4339 | 4339 |
| SAND/SHALE | 4339 | 4339 | 4461 | 4461 |
| RILEY | 4461 | 4461 | 4500 | 4500 |
| SAND/SHALE | 4500 | 4500 | 5116 | 5093 |
| BENSON | 5116 | 5093 | 5168 | 5136 |
| SAND/SHALE | 5168 | 5136 | 5456 | 5354 |
| ALEXANDER | 5456 | 5354 | 5495 | 5384 |
| ELK | 5495 | 5384 | 7158 | 6702 |
| SONYEA | 7158 | 6702 | 7308 | 6830 |
| MIDDLESEX | 7308 | 6830 | 7391 | 6896 |
| GENESSEE | 7391 | 6896 | 7495 | 6971 |
| GENESEO | 7495 | 6971 | 7545 | 7002 |
| TULLY | 7545 | 7002 | 7577 | 7020 |
| HAMILTON | 7577 | 7020 | 7814 | 7105 |
| MARCELLUS | 7814 | 7105 | 13468 | 7081 |

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EQT PRODUCTION

Wetzel County, WV

BIG 360

Well #515110 -MRC - Slot 515110

API #47-103-03163

Main

Design: 515110 As Drilled

Standard Survey Report

03 October, 2017

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PHOENIX
TECHNOLOGY SERVICES



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Phoenix Technology Services LP Survey Report



| | | | |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| Company: | EQT PRODUCTION | Local Co-ordinate Reference: | Well Well #515110 -MRC - Slot 515110 |
| Project: | Wetzel County, WV | TVD Reference: | KB @23' @ 1022.0usft |
| Site: | BIG 360 | MD Reference: | KB @23' @ 1022.0usft |
| Well: | Well #515110 -MRC | North Reference: | Grid |
| Wellbore: | Main | Survey Calculation Method: | Minimum Curvature |
| Design: | 515110 As Drilled | Database: | Compass 5000 NER |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| Project | Wetzel County, WV | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | West Virginia North 4701 | | |

| | | | | | |
|------------------------------|----------|---------------------|-------------------|--------------------------|------------------|
| Site | BIG 360 | | | | |
| Site Position: | | Northing: | 378,106.49 usft | Latitude: | 39° 31' 57.892 N |
| From: | Map | Easting: | 1,684,996.84 usft | Longitude: | 80° 37' 0.648 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | -0.71 ° |

| | | | | | | |
|-----------------------------|---------------------------------|----------|----------------------------|-------------------|----------------------|------------------|
| Well | Well #515110 -MRC - Slot 515110 | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 378,101.24 usft | Latitude: | 39° 31' 57.842 N |
| | +E/-W | 0.0 usft | Easting: | 1,685,010.89 usft | Longitude: | 80° 37' 0.468 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | usft | Ground Level: | 999.0 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Main | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 9/28/2017 | -8.20 | 66.85 | 52,304 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|-----|
| Design | 515110 As Drilled | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 357.55 | |

| | | | | | |
|-----------------------|------------------|----------------------------|------------------|-----------------------------------|--|
| Survey Program | Date | 10/3/2017 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 110.0 | 4,655.0 | Gyrodata Gyro (Main) | GYD_DP_MS | Gyrodata gyro-compassing and drop | |
| 4,697.0 | 6,155.4 | SDI Air Curve (Main) | ProMWD | MWD - Standard | |
| 6,155.4 | 13,468.0 | Phoenix MWD Surveys (Main) | MWD - OWSG | MWD - OWSG | |

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|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| 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) | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| 110.0 | 0.07 | 108.99 | 110.0 | 0.0 | 0.1 | 0.0 | 0.06 | 0.06 | 0.00 | |
| 210.0 | 0.11 | 325.42 | 210.0 | 0.0 | 0.1 | 0.0 | 0.17 | 0.04 | -143.57 | |
| 310.0 | 0.09 | 339.46 | 310.0 | 0.2 | 0.0 | 0.2 | 0.03 | -0.02 | 14.04 | |
| 410.0 | 0.12 | 37.94 | 410.0 | 0.3 | 0.0 | 0.3 | 0.11 | 0.03 | 58.48 | |
| 510.0 | 0.08 | 70.63 | 510.0 | 0.5 | 0.2 | 0.4 | 0.07 | -0.04 | 32.69 | |
| 610.0 | 0.05 | 151.36 | 610.0 | 0.4 | 0.2 | 0.4 | 0.09 | -0.03 | 80.73 | |
| 710.0 | 0.03 | 234.18 | 710.0 | 0.4 | 0.2 | 0.4 | 0.06 | -0.02 | 82.82 | |
| 810.0 | 0.02 | 135.71 | 810.0 | 0.4 | 0.2 | 0.3 | 0.04 | -0.01 | -98.47 | |



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Phoenix Technology Services LP Survey Report



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| Project: | Wetzel County, WV | TVD Reference: | KB @23' @ 1022.0usft |
| Site: | BIG 360 | MD Reference: | KB @23' @ 1022.0usft |
| Well: | Well #515110 -MRC | North Reference: | Grid |
| Wellbore: | Main | Survey Calculation Method: | Minimum Curvature |
| Design: | 515110 As Drilled | Database: | Compass 5000 NER |

| 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) | |
| 910.0 | 0.55 | 108.80 | 910.0 | 0.2 | 0.7 | 0.2 | 0.53 | 0.53 | -26.91 | |
| 1,010.0 | 0.76 | 106.64 | 1,010.0 | -0.2 | 1.8 | -0.2 | 0.21 | 0.21 | -2.16 | |
| 1,110.0 | 0.77 | 105.22 | 1,110.0 | -0.5 | 3.1 | -0.7 | 0.02 | 0.01 | -1.42 | |
| 1,210.0 | 0.69 | 94.95 | 1,210.0 | -0.8 | 4.3 | -0.9 | 0.15 | -0.08 | -10.27 | |
| 1,310.0 | 0.62 | 93.25 | 1,310.0 | -0.8 | 5.5 | -1.1 | 0.07 | -0.07 | -1.70 | |
| 1,410.0 | 0.67 | 92.83 | 1,410.0 | -0.9 | 6.6 | -1.2 | 0.05 | 0.05 | -0.42 | |
| 1,510.0 | 0.70 | 98.68 | 1,510.0 | -1.0 | 7.8 | -1.3 | 0.08 | 0.03 | 5.85 | |
| 1,610.0 | 0.77 | 104.66 | 1,609.9 | -1.3 | 9.0 | -1.7 | 0.10 | 0.07 | 5.98 | |
| 1,710.0 | 0.75 | 109.12 | 1,709.9 | -1.7 | 10.3 | -2.1 | 0.06 | -0.02 | 4.46 | |
| 1,810.0 | 0.68 | 111.53 | 1,809.9 | -2.1 | 11.5 | -2.6 | 0.08 | -0.07 | 2.41 | |
| 1,910.0 | 0.59 | 116.68 | 1,909.9 | -2.5 | 12.5 | -3.1 | 0.11 | -0.09 | 5.15 | |
| 2,010.0 | 0.42 | 109.30 | 2,009.9 | -2.9 | 13.3 | -3.5 | 0.18 | -0.17 | -7.38 | |
| 2,110.0 | 0.41 | 109.82 | 2,109.9 | -3.1 | 14.0 | -3.7 | 0.01 | -0.01 | 0.52 | |
| 2,210.0 | 0.44 | 106.28 | 2,209.9 | -3.4 | 14.7 | -4.0 | 0.04 | 0.03 | -3.54 | |
| 2,310.0 | 0.48 | 106.59 | 2,309.9 | -3.6 | 15.4 | -4.2 | 0.04 | 0.04 | 0.31 | |
| 2,410.0 | 0.43 | 108.06 | 2,409.9 | -3.8 | 16.2 | -4.5 | 0.05 | -0.05 | 1.47 | |
| 2,510.0 | 0.36 | 112.05 | 2,509.9 | -4.1 | 16.8 | -4.8 | 0.08 | -0.07 | 3.99 | |
| 2,610.0 | 0.09 | 122.87 | 2,609.9 | -4.2 | 17.2 | -5.0 | 0.27 | -0.27 | 10.82 | |
| 2,710.0 | 0.17 | 297.42 | 2,709.9 | -4.2 | 17.1 | -4.9 | 0.26 | 0.08 | 174.55 | |
| 2,810.0 | 0.48 | 306.70 | 2,809.9 | -3.9 | 16.7 | -4.6 | 0.31 | 0.31 | 9.28 | |
| 2,910.0 | 0.58 | 309.09 | 2,909.9 | -3.3 | 15.9 | -4.0 | 0.10 | 0.10 | 2.39 | |
| 3,010.0 | 0.67 | 305.88 | 3,009.9 | -2.6 | 15.1 | -3.3 | 0.10 | 0.09 | -3.21 | |
| 3,110.0 | 0.68 | 303.36 | 3,109.9 | -2.0 | 14.1 | -2.6 | 0.03 | 0.01 | -2.52 | |
| 3,210.0 | 0.75 | 302.83 | 3,209.9 | -1.3 | 13.1 | -1.9 | 0.07 | 0.07 | -0.53 | |
| 3,310.0 | 0.67 | 310.54 | 3,309.9 | -0.6 | 12.1 | -1.1 | 0.12 | -0.08 | 7.71 | |
| 3,410.0 | 0.61 | 327.45 | 3,409.9 | 0.3 | 11.3 | -0.2 | 0.20 | -0.06 | 16.91 | |
| 3,510.0 | 0.61 | 324.92 | 3,509.9 | 1.1 | 10.7 | 0.7 | 0.03 | 0.00 | -2.53 | |
| 3,610.0 | 0.64 | 328.33 | 3,609.9 | 2.1 | 10.1 | 1.6 | 0.05 | 0.03 | 3.41 | |
| 3,710.0 | 0.60 | 318.39 | 3,709.8 | 2.9 | 9.5 | 2.5 | 0.11 | -0.04 | -9.94 | |
| 3,810.0 | 0.64 | 308.73 | 3,809.8 | 3.7 | 8.7 | 3.3 | 0.11 | 0.04 | -9.66 | |
| 3,910.0 | 0.69 | 307.37 | 3,909.8 | 4.4 | 7.8 | 4.0 | 0.05 | 0.05 | -1.36 | |
| 4,010.0 | 0.62 | 311.58 | 4,009.8 | 5.1 | 6.9 | 4.8 | 0.08 | -0.07 | | |
| 4,110.0 | 0.52 | 314.46 | 4,109.8 | 5.8 | 6.2 | 5.5 | 0.10 | -0.10 | | |
| 4,210.0 | 0.41 | 327.18 | 4,209.8 | 6.4 | 5.7 | 6.2 | 0.15 | -0.11 | | |
| 4,310.0 | 0.32 | 355.53 | 4,309.8 | 7.0 | 5.5 | 6.7 | 0.20 | -0.09 | | |
| 4,410.0 | 0.29 | 37.96 | 4,409.8 | 7.5 | 5.6 | 7.2 | 0.22 | -0.03 | | |
| 4,510.0 | 0.42 | 76.41 | 4,509.8 | 7.7 | 6.1 | 7.5 | 0.26 | 0.13 | | |
| 4,610.0 | 0.58 | 91.80 | 4,609.8 | 7.8 | 7.0 | 7.5 | 0.21 | 0.16 | | |
| 4,655.0 | 0.60 | 86.10 | 4,654.8 | 7.8 | 7.4 | 7.5 | 0.14 | 0.04 | | |
| 4,697.0 | 1.02 | 105.80 | 4,696.8 | 7.7 | 8.0 | 7.4 | 1.19 | 1.00 | | |
| 4,741.0 | 3.56 | 126.06 | 4,740.8 | 6.8 | 9.5 | 6.4 | 5.97 | 5.77 | | |
| 4,784.0 | 6.85 | 129.46 | 4,783.6 | 4.4 | 12.5 | 3.9 | 7.68 | 7.65 | | |
| 4,828.0 | 10.19 | 131.84 | 4,827.1 | 0.1 | 17.5 | -0.6 | 7.63 | 7.59 | | |

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| Site: | BIG 360 | MD Reference: | KB @23' @ 1022.0usft |
| Well: | Well #515110 -MRC | North Reference: | Grid |
| Wellbore: | Main | Survey Calculation Method: | Minimum Curvature |
| Design: | 515110 As Drilled | Database: | Compass 5000 NER |

| 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) |
| 4,872.0 | 13.85 | 135.05 | 4,870.1 | -6.2 | 24.1 | -7.2 | 8.45 | 8.32 | 7.30 |
| 4,915.0 | 17.65 | 137.56 | 4,911.5 | -14.6 | 32.1 | -16.0 | 8.98 | 8.84 | 5.84 |
| 4,959.0 | 21.47 | 139.16 | 4,953.0 | -25.7 | 41.9 | -27.4 | 8.77 | 8.68 | 3.64 |
| 5,003.0 | 24.88 | 138.30 | 4,993.4 | -38.7 | 53.3 | -40.9 | 7.79 | 7.75 | -1.95 |
| 5,046.0 | 27.57 | 136.35 | 5,032.0 | -52.6 | 66.2 | -55.4 | 6.57 | 6.26 | -4.53 |
| 5,090.0 | 30.40 | 134.93 | 5,070.5 | -67.9 | 81.1 | -71.3 | 6.62 | 6.43 | -3.23 |
| 5,129.5 | 33.19 | 135.46 | 5,104.0 | -82.6 | 95.8 | -86.6 | 7.10 | 7.07 | 1.35 |
| 5,134.0 | 33.51 | 135.52 | 5,107.8 | -84.4 | 97.5 | -88.5 | 7.11 | 7.08 | 1.25 |
| 5,177.0 | 37.57 | 135.75 | 5,142.8 | -102.3 | 115.0 | -107.1 | 9.45 | 9.44 | 0.53 |
| 5,221.0 | 41.43 | 134.64 | 5,176.7 | -122.1 | 134.7 | -127.7 | 8.92 | 8.77 | -2.52 |
| 5,265.0 | 42.13 | 132.92 | 5,209.5 | -142.4 | 155.9 | -148.9 | 3.05 | 1.59 | -3.91 |
| 5,308.0 | 41.70 | 131.90 | 5,241.5 | -161.7 | 177.1 | -169.2 | 1.87 | -1.00 | -2.37 |
| 5,352.0 | 41.08 | 131.63 | 5,274.5 | -181.1 | 198.8 | -189.4 | 1.47 | -1.41 | -0.61 |
| 5,396.0 | 40.65 | 134.73 | 5,307.8 | -200.8 | 219.8 | -210.0 | 4.71 | -0.98 | 7.05 |
| 5,439.0 | 39.81 | 135.19 | 5,340.6 | -220.4 | 239.4 | -230.5 | 2.07 | -1.95 | 1.07 |
| 5,483.0 | 39.14 | 134.17 | 5,374.6 | -240.1 | 259.3 | -251.0 | 2.12 | -1.52 | -2.32 |
| 5,527.0 | 38.34 | 134.14 | 5,408.9 | -259.3 | 279.1 | -271.0 | 1.82 | -1.82 | -0.07 |
| 5,570.0 | 39.38 | 134.68 | 5,442.4 | -278.2 | 298.4 | -290.7 | 2.54 | 2.42 | 1.26 |
| 5,614.0 | 38.61 | 134.74 | 5,476.6 | -297.6 | 318.0 | -311.0 | 1.75 | -1.75 | 0.14 |
| 5,658.0 | 39.38 | 134.39 | 5,510.8 | -317.1 | 337.8 | -331.2 | 1.82 | 1.75 | -0.80 |
| 5,701.0 | 41.90 | 134.85 | 5,543.4 | -336.7 | 357.7 | -351.7 | 5.90 | 5.86 | 1.07 |
| 5,744.0 | 44.42 | 135.48 | 5,574.8 | -357.6 | 378.4 | -373.4 | 5.95 | 5.86 | 1.47 |
| 5,786.0 | 44.45 | 135.12 | 5,604.8 | -378.5 | 399.1 | -395.2 | 0.60 | 0.07 | -0.86 |
| 5,830.0 | 43.15 | 133.14 | 5,636.5 | -399.7 | 421.0 | -417.3 | 4.29 | -2.95 | -4.50 |
| 5,873.0 | 42.00 | 132.61 | 5,668.2 | -419.5 | 442.3 | -438.0 | 2.80 | -2.67 | -1.23 |
| 5,917.0 | 40.32 | 131.27 | 5,701.3 | -438.9 | 463.8 | -458.3 | 4.31 | -3.82 | -3.05 |
| 5,960.0 | 39.81 | 133.78 | 5,734.2 | -457.6 | 484.2 | -477.8 | 3.94 | -1.19 | 5.84 |
| 6,003.0 | 39.15 | 134.88 | 5,767.4 | -476.7 | 503.8 | -497.7 | 2.24 | -1.53 | 2.56 |
| 6,046.0 | 38.79 | 137.12 | 5,800.9 | -496.1 | 522.5 | -518.0 | 3.38 | -0.84 | 5.21 |
| 6,090.0 | 40.49 | 138.72 | 5,834.7 | -517.0 | 541.4 | -539.6 | 4.51 | 3.86 | 3.64 |
| 6,134.0 | 40.53 | 139.42 | 5,868.2 | -538.6 | 560.1 | -562.0 | 1.04 | 0.09 | 1.59 |
| 6,521.0 | 43.54 | 135.21 | 6,155.7 | -728.7 | 735.9 | -759.5 | 1.07 | 0.78 | -1.09 |
| Tie In | | | | | | | | | |
| 6,537.0 | 42.82 | 134.31 | 6,167.3 | -736.4 | 743.6 | -767.5 | 5.92 | -4.50 | 5.62 |
| First Phoenix MWD Survey | | | | | | | | | |
| 6,568.0 | 41.69 | 133.51 | 6,190.3 | -750.9 | 758.7 | -782.6 | 4.04 | -3.65 | 2.58 |
| 6,593.0 | 40.53 | 132.38 | 6,209.1 | -762.1 | 770.7 | -794.3 | 5.51 | -4.63 | -4.53 |
| KOP As-Drilled: 6593'MD/6208.9'TVD | | | | | | | | | |
| 6,600.0 | 40.21 | 132.05 | 6,214.4 | -765.1 | 774.0 | -797.5 | 5.51 | -4.60 | 4.67 |
| 6,631.0 | 37.90 | 128.89 | 6,238.5 | -777.8 | 788.9 | -810.8 | 9.84 | -7.45 | -10.19 |
| 6,663.0 | 35.75 | 126.14 | 6,264.1 | -789.5 | 804.1 | -823.1 | 8.46 | -6.72 | -8.59 |
| 6,694.0 | 34.71 | 125.03 | 6,289.4 | -799.9 | 818.6 | -834.1 | 3.94 | -3.35 | -3.58 |
| 6,726.0 | 32.13 | 120.73 | 6,316.2 | -809.5 | 833.4 | -844.3 | 10.94 | -8.06 | -13.44 |
| 6,758.0 | 30.33 | 116.16 | 6,343.5 | -817.4 | 848.0 | -852.9 | 9.30 | -5.63 | -14.28 |

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|------------------|-------------------|-------------------------------------|--------------------------------------|
| Company: | EQT PRODUCTION | Local Co-ordinate Reference: | Well Well #515110 -MRC - Slot 515110 |
| Project: | Wetzel County, WV | TVD Reference: | KB @23' @ 1022.0usft |
| Site: | BIG 360 | MD Reference: | KB @23' @ 1022.0usft |
| Well: | Well #515110 -MRC | North Reference: | Grid |
| Wellbore: | Main | Survey Calculation Method: | Minimum Curvature |
| Design: | 515110 As Drilled | Database: | Compass 5000 NER |

| 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) | |
| 6,789.0 | 29.16 | 111.84 | 6,370.4 | -823.7 | 862.0 | -859.7 | 7.87 | -3.77 | -13.94 | |
| 6,821.0 | 28.47 | 110.55 | 6,398.5 | -829.3 | 876.4 | -865.9 | 2.90 | -2.16 | -4.03 | |
| 6,852.0 | 27.95 | 109.82 | 6,425.8 | -834.3 | 890.1 | -871.5 | 2.01 | -1.68 | -2.35 | |
| 6,883.0 | 27.23 | 108.73 | 6,453.3 | -839.1 | 903.7 | -876.9 | 2.84 | -2.32 | -3.52 | |
| 6,915.0 | 26.04 | 102.61 | 6,481.9 | -842.9 | 917.5 | -881.3 | 9.34 | -3.72 | -19.13 | |
| 6,946.0 | 25.02 | 95.34 | 6,509.9 | -845.0 | 930.7 | -884.0 | 10.62 | -3.29 | -23.45 | |
| 6,978.0 | 24.25 | 87.76 | 6,539.0 | -845.4 | 944.0 | -884.9 | 10.16 | -2.41 | -23.69 | |
| 7,009.0 | 24.44 | 81.50 | 6,567.2 | -844.2 | 956.7 | -884.3 | 8.34 | 0.61 | -20.19 | |
| 7,041.0 | 24.83 | 74.57 | 6,596.3 | -841.4 | 969.7 | -882.1 | 9.10 | 1.22 | -21.66 | |
| 7,072.0 | 25.08 | 66.79 | 6,624.4 | -837.1 | 982.0 | -878.3 | 10.61 | 0.81 | -25.10 | |
| 7,104.0 | 25.87 | 60.45 | 6,653.3 | -831.0 | 994.3 | -872.7 | 8.87 | 2.47 | -19.81 | |
| 7,135.0 | 26.71 | 52.96 | 6,681.1 | -823.5 | 1,005.8 | -865.6 | 11.03 | 2.71 | -24.16 | |
| 7,167.0 | 27.78 | 47.31 | 6,709.6 | -814.1 | 1,017.0 | -856.7 | 8.74 | 3.34 | -17.66 | |
| 7,198.0 | 29.00 | 42.06 | 6,736.8 | -803.6 | 1,027.3 | -846.7 | 8.96 | 3.94 | -16.94 | |
| 7,229.0 | 30.67 | 37.43 | 6,763.7 | -791.7 | 1,037.2 | -835.3 | 9.17 | 5.39 | -14.94 | |
| 7,261.0 | 32.08 | 33.84 | 6,791.1 | -778.2 | 1,046.9 | -822.2 | 7.31 | 4.41 | -11.22 | |
| 7,292.0 | 33.98 | 29.59 | 6,817.0 | -763.8 | 1,055.7 | -808.2 | 9.66 | 6.13 | -13.71 | |
| 7,323.0 | 36.05 | 26.38 | 6,842.4 | -748.1 | 1,064.1 | -792.9 | 8.94 | 6.68 | -10.35 | |
| 7,355.0 | 37.53 | 23.92 | 6,868.1 | -730.8 | 1,072.2 | -775.9 | 6.53 | 4.63 | -7.69 | |
| 7,386.0 | 39.66 | 21.17 | 6,892.3 | -712.9 | 1,079.6 | -758.3 | 8.82 | 6.87 | -8.87 | |
| 7,418.0 | 42.13 | 17.99 | 6,916.5 | -693.2 | 1,086.6 | -738.9 | 10.09 | 7.72 | -9.94 | |
| 7,449.0 | 44.75 | 15.25 | 6,939.0 | -672.8 | 1,092.7 | -718.8 | 10.41 | 8.45 | -8.84 | |
| 7,481.0 | 47.64 | 11.09 | 6,961.1 | -650.3 | 1,097.9 | -696.5 | 13.02 | 9.03 | -13.00 | |
| 7,512.0 | 50.40 | 6.24 | 6,981.5 | -627.1 | 1,101.4 | -673.6 | 14.79 | 8.90 | -15.65 | |
| 7,544.0 | 53.32 | 3.80 | 7,001.2 | -602.1 | 1,103.6 | -648.6 | 10.92 | 9.13 | -7.63 | |
| 7,575.0 | 57.15 | 0.96 | 7,018.9 | -576.6 | 1,104.7 | -623.3 | 14.46 | 12.35 | -9.16 | |
| 7,607.0 | 60.90 | 359.19 | 7,035.4 | -549.2 | 1,104.7 | -595.9 | 12.64 | 11.72 | -5.53 | |
| 7,638.0 | 64.00 | 357.35 | 7,049.7 | -521.8 | 1,103.9 | -568.4 | 11.30 | 10.00 | -5.94 | |
| 7,669.0 | 66.74 | 356.51 | 7,062.6 | -493.6 | 1,102.4 | -540.2 | 9.18 | 8.84 | -2.71 | |
| 7,701.0 | 69.13 | 354.63 | 7,074.7 | -464.1 | 1,100.1 | -510.6 | 9.24 | 7.47 | -5.88 | |
| 7,732.0 | 71.83 | 352.92 | 7,085.0 | -435.0 | 1,096.9 | -481.4 | 10.14 | 8.71 | -5.52 | |
| 7,763.0 | 75.35 | 351.74 | 7,093.8 | -405.5 | 1,092.9 | -451.8 | 11.93 | 11.35 | -3.81 | |
| 7,795.0 | 78.05 | 350.01 | 7,101.1 | -374.8 | 1,088.0 | -420.9 | 9.94 | 8.44 | -3.10 | |
| 7,826.0 | 80.30 | 349.05 | 7,107.0 | -344.9 | 1,082.4 | -390.7 | 7.87 | 7.26 | -1.29 | |
| 7,858.0 | 82.74 | 348.23 | 7,111.7 | -313.8 | 1,076.2 | -359.5 | 8.04 | 7.63 | -0.06 | |
| 7,889.0 | 85.11 | 347.83 | 7,115.0 | -283.7 | 1,069.8 | -329.1 | 7.75 | 7.65 | -0.06 | |
| 7,921.0 | 87.53 | 347.81 | 7,117.0 | -252.5 | 1,063.1 | -297.6 | 7.56 | 7.56 | -0.06 | |
| LP As-Drilled: 7921'MD/7116.8'TVD - Cherry Valley Target | | | | | | | | | | |
| 8,015.0 | 88.05 | 347.30 | 7,120.6 | -160.7 | 1,042.8 | -205.1 | 0.77 | 0.55 | -0.54 | |
| 8,110.0 | 89.53 | 347.90 | 7,122.6 | -68.0 | 1,022.4 | -111.6 | 1.68 | 1.56 | 0.63 | |
| 8,204.0 | 89.38 | 347.52 | 7,123.5 | 23.9 | 1,002.4 | -19.0 | 0.43 | -0.16 | -0.40 | |
| Deepest Point @ 8204'MD/7123.3'TVD | | | | | | | | | | |
| 8,298.0 | 91.07 | 346.85 | 7,123.2 | 115.5 | 981.6 | 73.5 | 1.93 | 1.80 | -0.71 | |
| 8,392.0 | 90.91 | 346.40 | 7,121.5 | 206.9 | 959.8 | 165.8 | 0.51 | -0.17 | -0.48 | |

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Survey Report



| | | | |
|------------------|-------------------|-------------------------------------|--------------------------------------|
| Company: | EQT PRODUCTION | Local Co-ordinate Reference: | Well Well #515110 -MRC - Slot 515110 |
| Project: | Wetzel County, WV | TVD Reference: | KB @23' @ 1022.0usft |
| Site: | BIG 360 | MD Reference: | KB @23' @ 1022.0usft |
| Well: | Well #515110 -MRC | North Reference: | Grid |
| Wellbore: | Main | Survey Calculation Method: | Minimum Curvature |
| Design: | 515110 As Drilled | Database: | Compass 5000 NER |

| 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) |
| 8,486.0 | 90.52 | 346.22 | 7,120.4 | 298.3 | 937.6 | 258.0 | 0.46 | -0.41 | -0.19 |
| 8,581.0 | 89.73 | 345.23 | 7,120.2 | 390.3 | 914.2 | 351.0 | 1.33 | -0.83 | -1.04 |
| 8,675.0 | 90.82 | 347.46 | 7,119.7 | 481.7 | 892.0 | 443.2 | 2.64 | 1.16 | 2.37 |
| 8,769.0 | 90.75 | 348.33 | 7,118.4 | 573.6 | 872.3 | 535.8 | 0.93 | -0.07 | 0.93 |
| 8,863.0 | 90.85 | 348.29 | 7,117.1 | 665.6 | 853.2 | 628.6 | 0.11 | 0.11 | -0.04 |
| 8,957.0 | 90.28 | 348.18 | 7,116.2 | 757.6 | 834.1 | 721.3 | 0.62 | -0.61 | -0.12 |
| 9,051.0 | 90.59 | 347.52 | 7,115.5 | 849.5 | 814.3 | 814.0 | 0.78 | 0.33 | -0.70 |
| 9,146.0 | 90.50 | 347.33 | 7,114.6 | 942.2 | 793.6 | 907.5 | 0.22 | -0.09 | -0.20 |
| 9,240.0 | 90.45 | 347.18 | 7,113.8 | 1,033.9 | 772.9 | 1,000.0 | 0.17 | -0.05 | -0.16 |
| 9,335.0 | 90.79 | 347.44 | 7,112.8 | 1,126.6 | 752.0 | 1,093.5 | 0.45 | 0.36 | 0.27 |
| 9,429.0 | 91.11 | 346.18 | 7,111.2 | 1,218.1 | 730.6 | 1,185.8 | 1.38 | 0.34 | -1.34 |
| 9,524.0 | 91.62 | 346.51 | 7,108.9 | 1,310.4 | 708.1 | 1,279.0 | 0.64 | 0.54 | 0.35 |
| 9,618.0 | 90.18 | 345.84 | 7,107.5 | 1,401.6 | 685.7 | 1,371.1 | 1.69 | -1.53 | -0.71 |
| 9,713.0 | 90.47 | 349.43 | 7,106.9 | 1,494.4 | 665.3 | 1,464.7 | 3.79 | 0.31 | 3.78 |
| 9,807.0 | 89.78 | 349.40 | 7,106.7 | 1,586.8 | 648.1 | 1,557.7 | 0.73 | -0.73 | -0.03 |
| 9,901.0 | 87.78 | 344.93 | 7,108.7 | 1,678.4 | 627.2 | 1,650.1 | 5.21 | -2.13 | -4.76 |
| 9,996.0 | 89.75 | 343.68 | 7,110.8 | 1,769.9 | 601.5 | 1,742.6 | 2.46 | 2.07 | -1.32 |
| 10,090.0 | 89.09 | 345.33 | 7,111.7 | 1,860.4 | 576.4 | 1,834.1 | 1.89 | -0.70 | 1.76 |
| 10,184.0 | 90.62 | 344.43 | 7,112.0 | 1,951.2 | 551.9 | 1,925.8 | 1.89 | 1.63 | -0.96 |
| 10,279.0 | 91.55 | 346.02 | 7,110.2 | 2,043.0 | 527.7 | 2,018.6 | 1.94 | 0.98 | 1.67 |
| 10,373.0 | 91.33 | 347.93 | 7,107.8 | 2,134.6 | 506.5 | 2,111.0 | 2.04 | -0.23 | 2.03 |
| 10,467.0 | 91.53 | 346.43 | 7,105.4 | 2,226.2 | 485.6 | 2,203.4 | 1.61 | 0.21 | -1.60 |
| 10,562.0 | 91.13 | 346.68 | 7,103.2 | 2,318.6 | 463.5 | 2,296.7 | 0.50 | -0.42 | 0.26 |
| 10,656.0 | 91.62 | 345.53 | 7,101.0 | 2,409.8 | 441.0 | 2,388.8 | 1.33 | 0.52 | -1.22 |
| 10,750.0 | 91.51 | 346.10 | 7,098.4 | 2,500.9 | 418.0 | 2,480.8 | 0.62 | -0.12 | 0.61 |
| 10,845.0 | 91.85 | 345.34 | 7,095.6 | 2,592.9 | 394.5 | 2,573.7 | 0.88 | 0.36 | -0.80 |
| 10,939.0 | 90.22 | 345.78 | 7,093.9 | 2,683.9 | 371.1 | 2,665.6 | 1.80 | -1.73 | 0.47 |
| 11,033.0 | 90.22 | 345.74 | 7,093.6 | 2,775.0 | 348.0 | 2,757.6 | 0.04 | 0.00 | -0.04 |
| 11,127.0 | 90.47 | 345.19 | 7,093.0 | 2,866.0 | 324.4 | 2,849.6 | 0.64 | 0.27 | -0.59 |
| 11,222.0 | 90.85 | 344.47 | 7,091.9 | 2,957.7 | 299.5 | 2,942.2 | 0.86 | 0.40 | -0.76 |
| 11,316.0 | 91.10 | 346.06 | 7,090.3 | 3,048.6 | 275.6 | 3,034.1 | 1.71 | 0.27 | 0.31 |
| 11,410.0 | 90.25 | 346.35 | 7,089.2 | 3,139.9 | 253.2 | 3,126.2 | 0.96 | -0.90 | 0.26 |
| 11,504.0 | 90.62 | 346.59 | 7,088.5 | 3,231.3 | 231.2 | 3,218.5 | 0.47 | 0.39 | 0.24 |
| 11,598.0 | 89.27 | 346.82 | 7,088.6 | 3,322.7 | 209.6 | 3,310.8 | 1.46 | -1.44 | 0.09 |
| 11,693.0 | 89.30 | 346.91 | 7,089.8 | 3,415.3 | 188.0 | 3,404.1 | 0.10 | 0.03 | 0.34 |
| 11,787.0 | 89.35 | 347.23 | 7,090.9 | 3,506.9 | 167.0 | 3,496.5 | 0.34 | 0.05 | 0.34 |
| 11,881.0 | 90.65 | 346.74 | 7,090.9 | 3,598.4 | 145.8 | 3,588.9 | 1.48 | 1.38 | -0.52 |
| 11,976.0 | 90.71 | 346.53 | 7,089.8 | 3,690.9 | 123.9 | 3,682.2 | 0.23 | 0.06 | -0.22 |
| 12,070.0 | 90.90 | 346.82 | 7,088.4 | 3,782.3 | 102.2 | 3,774.5 | 0.37 | 0.20 | 0.31 |
| 12,164.0 | 89.16 | 345.53 | 7,088.4 | 3,873.6 | 79.7 | 3,866.7 | 2.30 | -1.85 | -1.37 |
| 12,258.0 | 89.33 | 345.51 | 7,089.6 | 3,964.6 | 56.2 | 3,958.6 | 0.18 | 0.18 | -0.02 |
| 12,353.0 | 89.90 | 346.79 | 7,090.3 | 4,056.8 | 33.5 | 4,051.7 | 1.47 | 0.60 | 1.35 |
| 12,448.0 | 90.04 | 346.17 | 7,090.3 | 4,149.2 | 11.3 | 4,144.9 | 0.67 | 0.15 | -0.65 |

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| Company: | EQT PRODUCTION | Local Co-ordinate Reference: | Well Well #515110 -MRC - Slot 515110 |
| Project: | Wetzel County, WV | TVD Reference: | KB @23' @ 1022.0usft |
| Site: | BIG 360 | MD Reference: | KB @23' @ 1022.0usft |
| Well: | Well #515110 -MRC | North Reference: | Grid |
| Wellbore: | Main | Survey Calculation Method: | Minimum Curvature |
| Design: | 515110 As Drilled | Database: | Compass 5000 NER |

| 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) |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 12,542.0 | 90.01 | 345.82 | 7,090.3 | 4,240.4 | -11.5 | 4,237.0 | 0.37 | -0.03 | -0.37 |
| 12,637.0 | 90.24 | 348.56 | 7,090.1 | 4,333.0 | -32.5 | 4,330.5 | 2.89 | 0.24 | 2.88 |
| 12,731.0 | 91.99 | 348.58 | 7,088.2 | 4,425.1 | -51.2 | 4,423.3 | 1.86 | 1.86 | 0.02 |
| 12,825.0 | 92.22 | 348.79 | 7,084.8 | 4,517.3 | -69.6 | 4,516.1 | 0.33 | 0.24 | 0.22 |
| 12,920.0 | 90.19 | 347.70 | 7,082.8 | 4,610.2 | -88.9 | 4,609.8 | 2.43 | -2.14 | -1.15 |
| 13,014.0 | 90.05 | 345.78 | 7,082.6 | 4,701.7 | -110.5 | 4,702.2 | 2.05 | -0.15 | -2.04 |
| 13,108.0 | 89.99 | 345.41 | 7,082.6 | 4,792.8 | -133.9 | 4,794.1 | 0.40 | -0.06 | -0.39 |
| 13,202.0 | 90.22 | 345.19 | 7,082.4 | 4,883.7 | -157.7 | 4,886.0 | 0.34 | 0.24 | -0.23 |
| 13,297.0 | 90.50 | 346.05 | 7,081.8 | 4,975.7 | -181.3 | 4,978.9 | 0.95 | 0.29 | 0.91 |
| 13,391.0 | 90.24 | 345.78 | 7,081.2 | 5,066.9 | -204.2 | 5,071.0 | 0.40 | -0.28 | -0.29 |
| Final Phoenix MWD Survey | | | | | | | | | |
| 13,468.0 | 90.24 | 345.78 | 7,080.9 | 5,141.5 | -223.1 | 5,146.4 | 0.00 | 0.00 | 0.00 |
| PTB/As-Drilled TD:13468'MD/7080.6'TVD | | | | | | | | | |

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 6,521.0 | 6,155.7 | -728.7 | 735.9 | Tie In |
| 6,537.0 | 6,167.3 | -736.4 | 743.6 | First Phoenix MWD Survey |
| 6,593.0 | 6,209.1 | -762.1 | 770.7 | KOP As-Drilled: 6593'MD/6208.9'TVD |
| 7,921.0 | 7,117.0 | -252.5 | 1,063.1 | LP As-Drilled: 7921'MD/7116.8'TVD |
| 7,921.0 | 7,117.0 | -252.5 | 1,063.1 | Cherry Valley Target |
| 8,204.0 | 7,123.5 | 23.9 | 1,002.4 | Deepest Point @ 8204'MD/7123.3'TVD |
| 13,391.0 | 7,081.2 | 5,066.9 | -204.2 | Final Phoenix MWD Survey |
| 13,468.0 | 7,080.9 | 5,141.5 | -223.1 | PTB/As-Drilled TD:13468'MD/7080.6'TVD |

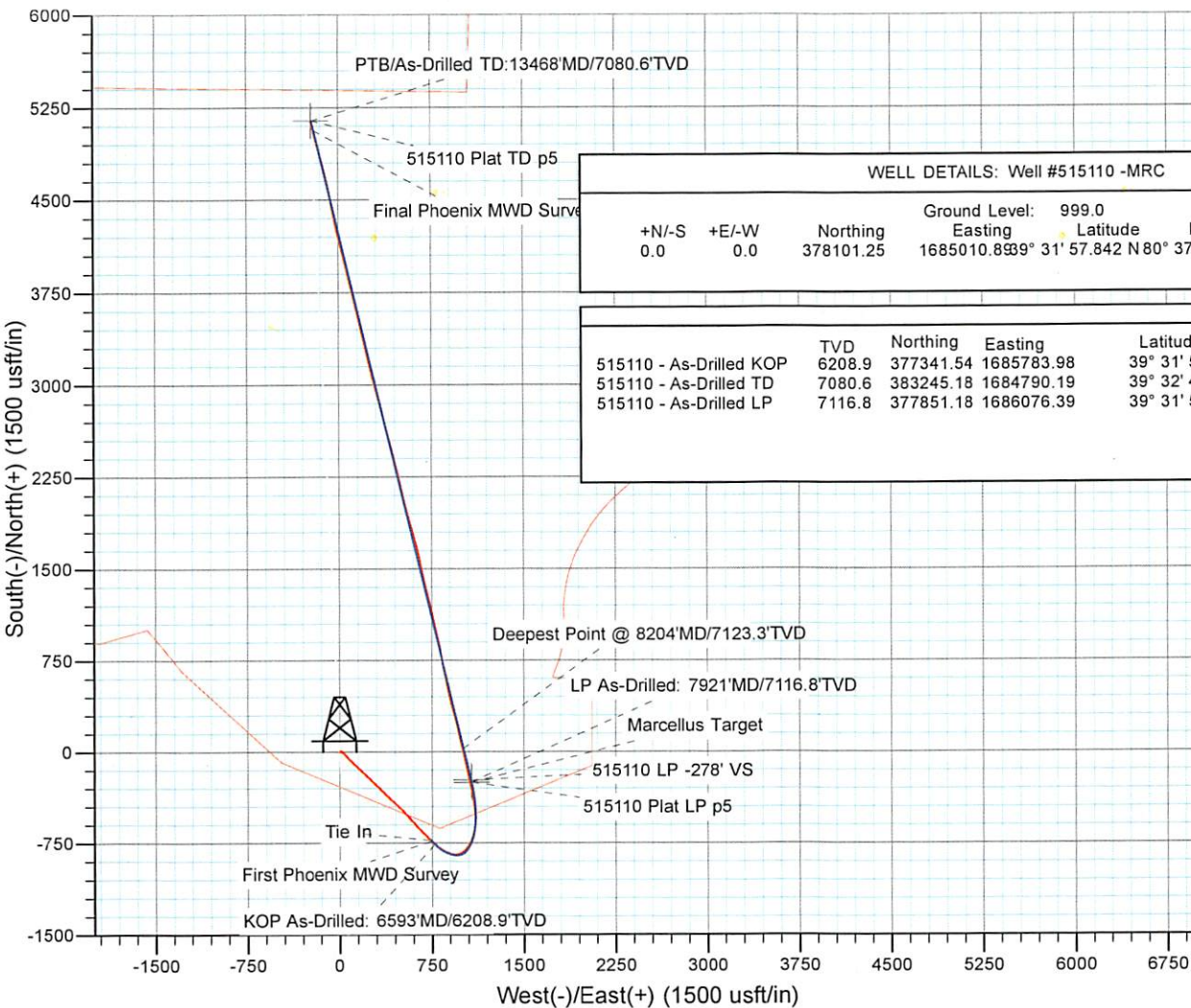
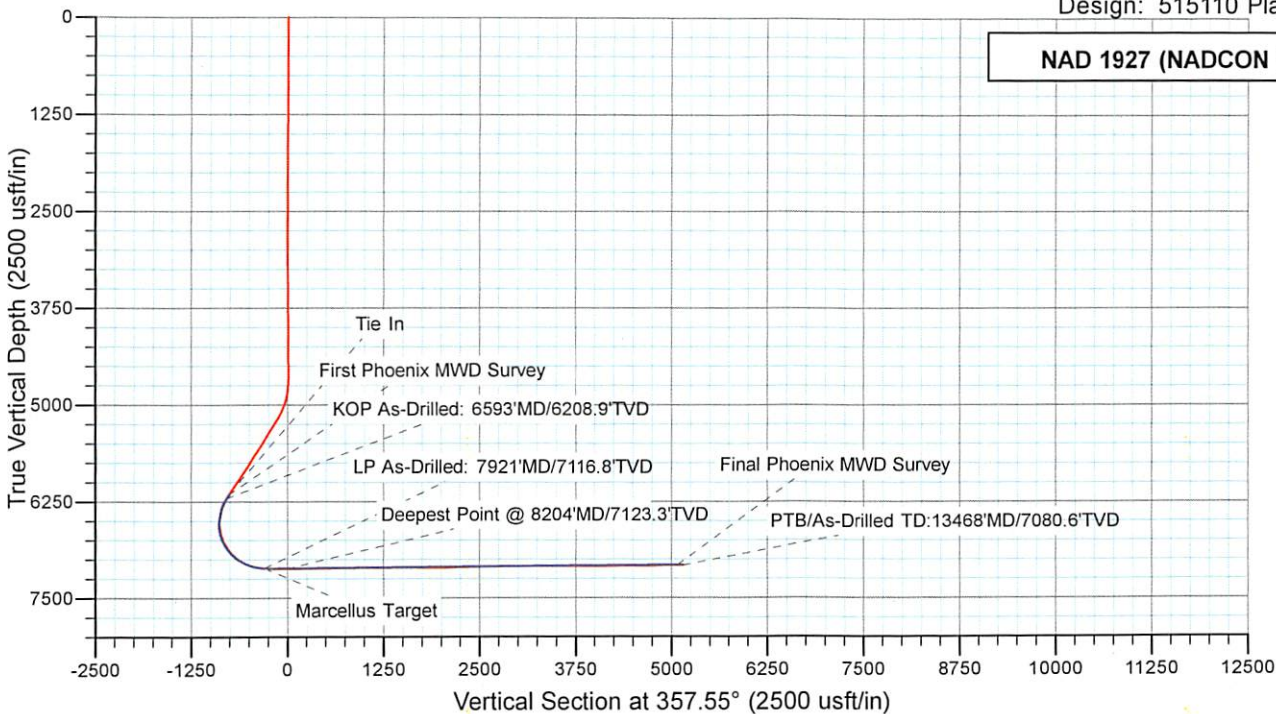
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KB Elevation=1319 FT
Ground Elevation=1296 FT

All Survey Measurements were taken from KB Elevation

Project: Wetzel County, WV
Site: BIG 360
Well: Well #515110 -MRC
Wellbore: Main
Design: 515110 Plan 5

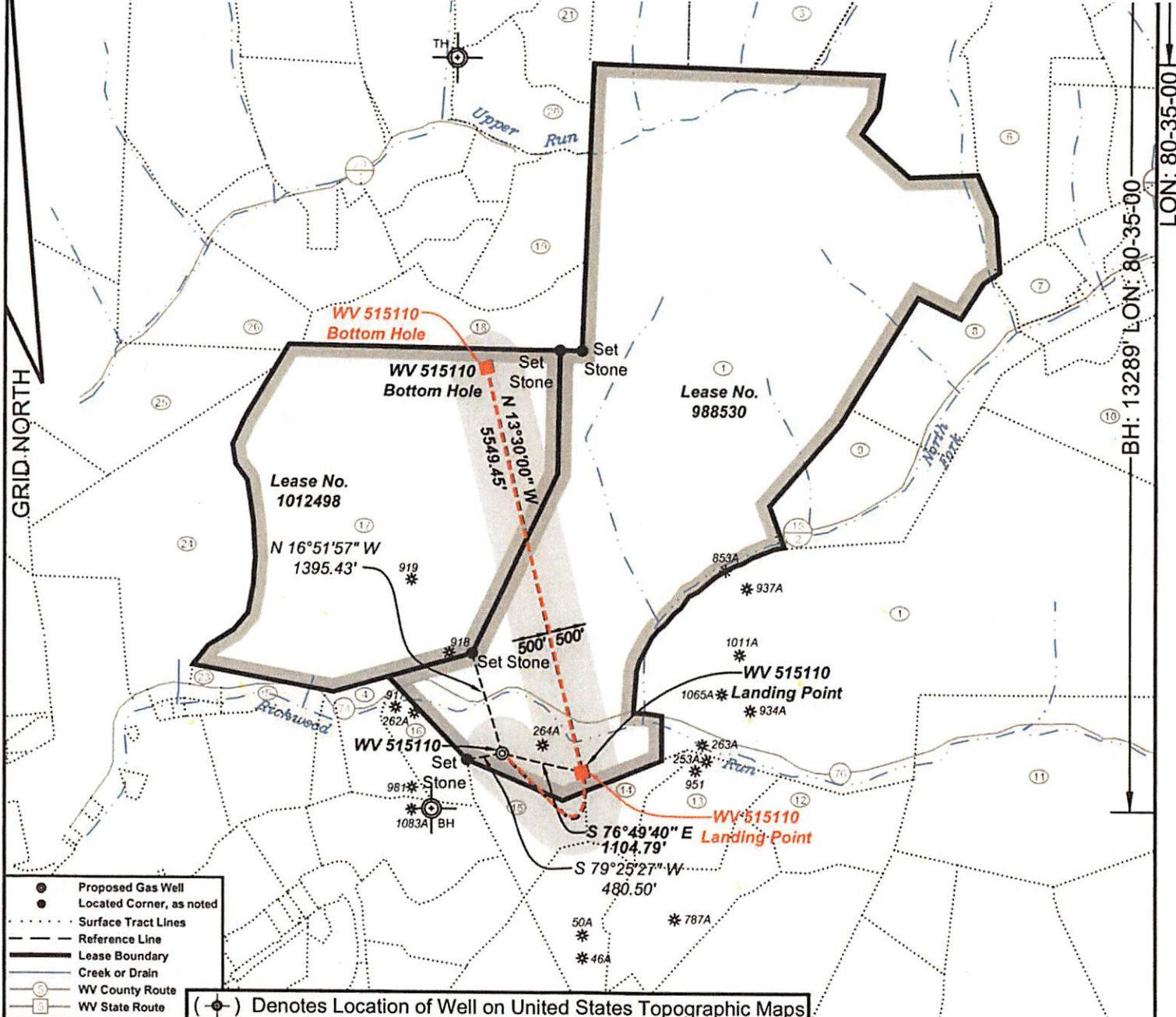
NAD 1927 (NADCON CONUS)



| WELL DETAILS: Well #515110 -MRC | | | | | | |
|---------------------------------|-------|-----------|---------------|--------------|--------------|-----------------|
| +N/-S | +E/-W | Northing | Ground Level: | 999.0 | Latitude | Longitude |
| 0.0 | 0.0 | 378101.25 | Easting | 1685010.8939 | 31° 57.842 N | 80° 37' 0.468 W |
| | | | | | | Slot |
| | | | | | | 515110 |

| | TVD | Northing | Easting | Latitude | Longitude |
|-------------------------|--------|-----------|------------|------------------|------------------|
| 515110 - As-Drilled KOP | 6208.9 | 377341.54 | 1685783.98 | 39° 31' 50.429 N | 80° 36' 50.481 W |
| 515110 - As-Drilled TD | 7080.6 | 383245.18 | 1684790.19 | 39° 32' 48.653 N | 80° 37' 4.101 W |
| 515110 - As-Drilled LP | 7116.8 | 377851.18 | 1686076.39 | 39° 31' 55.502 N | 80° 36' 46.830 W |

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- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
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- WV County Route
- WV State Route

(⊙) Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Ben R. Singleton
P.S. 2092



SEAL

FILE NO: 174-13
DRAWING NO: 174-13 Big 360 H3
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

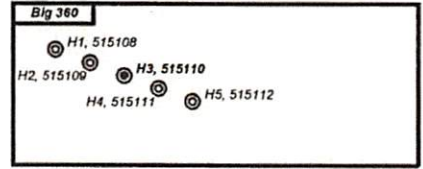
DATE: October 9 20 17
OPERATOR'S WELL NO. 515110
API WELL NO. 47-103-03163
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Original Ground = 1008' Proposed Ground = 998' WATERSHED Richwood Run QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: Coastal Forest Resources Company d/b/a Coastal Timberlands Company ACREAGE: 1,636.5
 ROYALTY OWNER: Mills-Wetzel Land, Inc. LEASE NO: 988530 ACREAGE: 659
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

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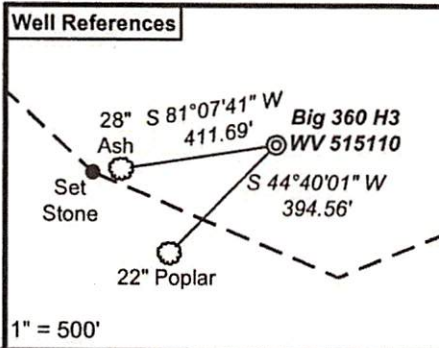
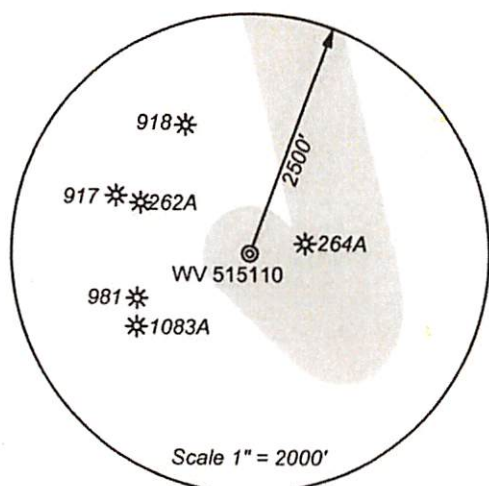
| | | | | | | |
|----|----|------|--------|-------|-------------------------------|--------|
| 3 | 12 | 47 | Wetzel | Grant | Coastal Forest Resources Co. | 87.50 |
| 4 | 22 | 12 | Wetzel | Grant | James Jones, et al. | 18.67 |
| 5 | 22 | 11 | Wetzel | Grant | Mary M. Snodgrass | 10.14 |
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| 25 | 16 | 40 | Wetzel | Grant | Coastal Forest Resources Co. | 412.80 |
| 26 | 17 | 6 | Wetzel | Grant | Georgia Ann Smith | 0.55 |

NAD 27 N: 383,242.78 E: 1,684,787.78
 NAD 83 UTM N: 4,377,541.97 E: 532,853.65
 West Virginia Coordinate System of 1927 (North Zone) based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon the grid north meridian.
 Well location references are based upon the grid north meridian.
 UTM coordinates are NAD83, Zone 17, Meters.



| Sub Surface | Acres | Owner |
|-------------|-------|-----------------------|
| Tract 14 | 16.50 | Billy D. Arnolds, Jr. |
| Tract 15 | 31.35 | Dallison Lumber Inc. |

| Lease No. | Acres | Owner |
|-----------|-------|--------------------------|
| 1012498 | 514 | Kenneth R. Mason, et al. |

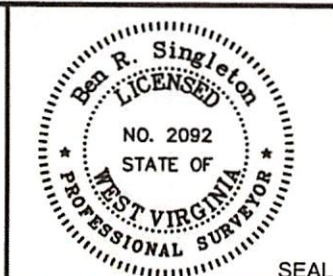


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Ben R. Singleton
 P.S. 2092



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 DRAWING NO: 174-13 Big 360 H3
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
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STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: October 9 20 17
 OPERATOR'S WELL NO. 515110
 API WELL NO. 47 - 103 - 03163
 STATE COUNTY PERMIT 2018

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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
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 PERFORATE NEW FORMATION OTHER DIVISION CHANGE

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Hydraulic Fracturing Fluid Product Component Information Disclosure

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| | |
|--------------------------------|--------------------|
| Job Start Date: | 11/7/2017 |
| Job End Date: | 12/2/2017 |
| State: | West Virginia |
| County: | Wetzel |
| API Number: | 47-103-03163-00-00 |
| Operator Name: | EQT Production |
| Well Name and Number: | 515110 |
| Latitude: | 39.53273000 |
| Longitude: | -80.61680000 |
| Datum: | NAD83 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 7,105 |
| Total Base Water Volume (gal): | 10,150,686 |
| Total Base Non Water Volume: | 0 |



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 | FTS International | Carrier/Base Fluid | | | | | |
| | | | Water | 7732-18-5 | 100.00000 | 86.53977 | None |
| MX-5-3886 | Multi-Chem | Bacteria Treatment | | | | | |
| | | | | Listed Below | | | |

| | | | | | | | |
|-------------------------|-------------------|--------------------------|--|--------------|--|--|--|
| MX-8-2544 | Multi-Chem | Bacteria Treatment | | | | | |
| | | | | Listed Below | | | |
| ABP-1 | FTS International | Breaker | | | | | |
| | | | | Listed Below | | | |
| Other Chemical (s) | Listed Above | See Trade Name (s) List | | | | | |
| | | | | Listed Below | | | |
| Hydrochloric Acid (15%) | FTS International | Acidizing | | | | | |
| | | | | Listed Below | | | |
| CI-150 | FTS International | Acid Corrosion Inhibitor | | | | | |
| | | | | Listed Below | | | |
| CS-500-SI | FTS International | Scale Inhibitor | | | | | |
| | | | | Listed Below | | | |
| FRW-1450 | FTS International | Mixture | | | | | |
| | | | | Listed Below | | | |
| HVG-14.0 | FTS International | Gelling Agent | | | | | |
| | | | | Listed Below | | | |
| Sand (Proppant) | FTS International | Proppant | | | | | |

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| | | | | Listed Below | | | |
|--|--|--|--|--------------|-----------|----------|------|
| Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients. | | | | | | | |
| | | | Silica Substrate | 14808-60-7 | 100.00000 | 13.06660 | None |
| | | | Calcium Nitrate.4H2O | 13477-34-4 | 100.00000 | 0.10641 | None |
| | | | Calcium Nitrate.4H2O | 13477-34-4 | 100.00000 | 0.10641 | |
| | | | Distillates (petroleum), hydrotreated light | 64742-47-8 | 30.00000 | 0.02650 | |
| | | | Distillates (petroleum), hydrotreated light | 64742-47-8 | 30.00000 | 0.02650 | None |
| | | | Hydrochloric Acid | 7647-01-0 | 15.00000 | 0.02463 | None |
| | | | Sodium Chloride | 7647-14-5 | 100.00000 | 0.00938 | None |
| | | | Sodium Chloride | 7647-14-5 | 100.00000 | 0.00938 | |
| | | | Alcohols. C-11-14-iso, C13-rich, ethoxylated | 78330-21-9 | 5.00000 | 0.00442 | |
| | | | Alcohols. C-11-14-iso, C13-rich, ethoxylated | 78330-21-9 | 5.00000 | 0.00442 | None |
| | | | Ethylene Glycol | 107-21-1 | 10.00000 | 0.00243 | None |
| | | | Ethylene Glycol | 107-21-1 | 10.00000 | 0.00243 | |
| | | | Sodium Nitrate | 7631-99-4 | 5.00000 | 0.00047 | None |
| | | | Sodium Nitrate | 7631-99-4 | 5.00000 | 0.00047 | |
| | | | Raffinates, Sorption Process | 64741-85-1 | 55.00000 | 0.00032 | None |
| | | | Raffinates, Sorption Process | 64741-85-1 | 55.00000 | 0.00032 | |
| | | | Guar Gum | 9000-30-0 | 50.00000 | 0.00029 | None |
| | | | Guar Gum | 9000-30-0 | 50.00000 | 0.00029 | |
| | | | Ammonium Persulfate | 7727-54-0 | 95.00000 | 0.00016 | None |
| | | | Organic Amine Resin Salt | Proprietary | 30.00000 | 0.00009 | None |
| | | | Ethylene Glycol | 107-21-1 | 30.00000 | 0.00009 | None |
| | | | Isopropanol | 67-63-0 | 30.00000 | 0.00009 | None |
| | | | Dimethylformamide | 68-12-2 | 10.00000 | 0.00003 | None |
| | | | Quaternary Ammonium Compound | Proprietary | 10.00000 | 0.00003 | None |

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| | | | | | | | |
|--|--|--|-------------------------------|-------------|----------|---------|------|
| | | | Aromatic Aldehyde | Proprietary | 10.00000 | 0.00003 | None |
| | | | Quartz | 14808-60-7 | 4.00000 | 0.00002 | None |
| | | | Quartz | 14808-60-7 | 4.00000 | 0.00002 | None |
| | | | Isotridecanol, ethoxylated | 9043-30-5 | 2.00000 | 0.00001 | None |
| | | | Isotridecanol, ethoxylated | 9043-30-5 | 2.00000 | 0.00001 | None |

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* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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)

515110 47-103-03163-0000 - Perforations

| Stage Number | Perforation Date | Top Perf Depth (ftKB) | Bottom Perf Depth (ftKB) | Number of Shots | Formation |
|--------------------------|-------------------------|------------------------------|---------------------------------|------------------------|------------------|
| Initiation Sleeve | 11/2/2017 | 13,437 | 13,464 | 10 | Marcellus |
| 1 | 11/7/2017 | 13,317 | 13,409 | 32 | Marcellus |
| 2 | 11/8/2017 | 13,167 | 13,289 | 40 | Marcellus |
| 3 | 11/9/2017 | 13,017 | 13,139 | 40 | Marcellus |
| 4 | 11/10/2017 | 12,817 | 12,979 | 40 | Marcellus |
| 5 | 11/12/2017 | 12,617 | 12,779 | 40 | Marcellus |
| 6 | 11/12/2017 | 12,417 | 12,579 | 40 | Marcellus |
| 7 | 11/13/2017 | 12,157 | 12,199 | 16 | Marcellus |
| 7 | 11/14/2017 | 12,217 | 12,379 | 40 | Marcellus |
| 8 | 11/14/2017 | 11,957 | 12,119 | 40 | Marcellus |
| 9 | 11/14/2017 | 11,757 | 11,919 | 40 | Marcellus |
| 10 | 11/16/2017 | 11,557 | 11,719 | 40 | Marcellus |
| 11 | 11/17/2017 | 11,357 | 11,519 | 40 | Marcellus |
| 12 | 11/18/2017 | 11,157 | 11,319 | 40 | Marcellus |
| 13 | 11/18/2017 | 10,957 | 11,119 | 40 | Marcellus |
| 14 | 11/19/2017 | 10,757 | 10,919 | 40 | Marcellus |
| 15 | 11/20/2017 | 10,557 | 10,719 | 40 | Marcellus |
| 16 | 11/21/2017 | 10,357 | 10,519 | 40 | Marcellus |
| 17 | 11/21/2017 | 10,157 | 10,319 | 40 | Marcellus |
| 18 | 11/22/2017 | 9,957 | 10,119 | 40 | Marcellus |
| 19 | 11/23/2017 | 9,757 | 9,919 | 40 | Marcellus |
| 20 | 11/24/2017 | 9,557 | 9,719 | 40 | Marcellus |
| 21 | 11/25/2017 | 9,357 | 9,519 | 40 | Marcellus |
| 22 | 11/26/2017 | 9,157 | 9,319 | 40 | Marcellus |
| 23 | 11/27/2017 | 8,957 | 9,119 | 40 | Marcellus |
| 24 | 11/27/2017 | 8,757 | 8,919 | 40 | Marcellus |
| 25 | 11/28/2017 | 8,557 | 8,719 | 40 | Marcellus |
| 26 | 11/29/2017 | 8,357 | 8,519 | 40 | Marcellus |
| 27 | 11/30/2017 | 8,157 | 8,319 | 40 | Marcellus |
| 28 | 12/1/2017 | 7,957 | 8,119 | 40 | Marcellus |
| 29 | 12/1/2017 | 7,757 | 7,919 | 40 | Marcellus |

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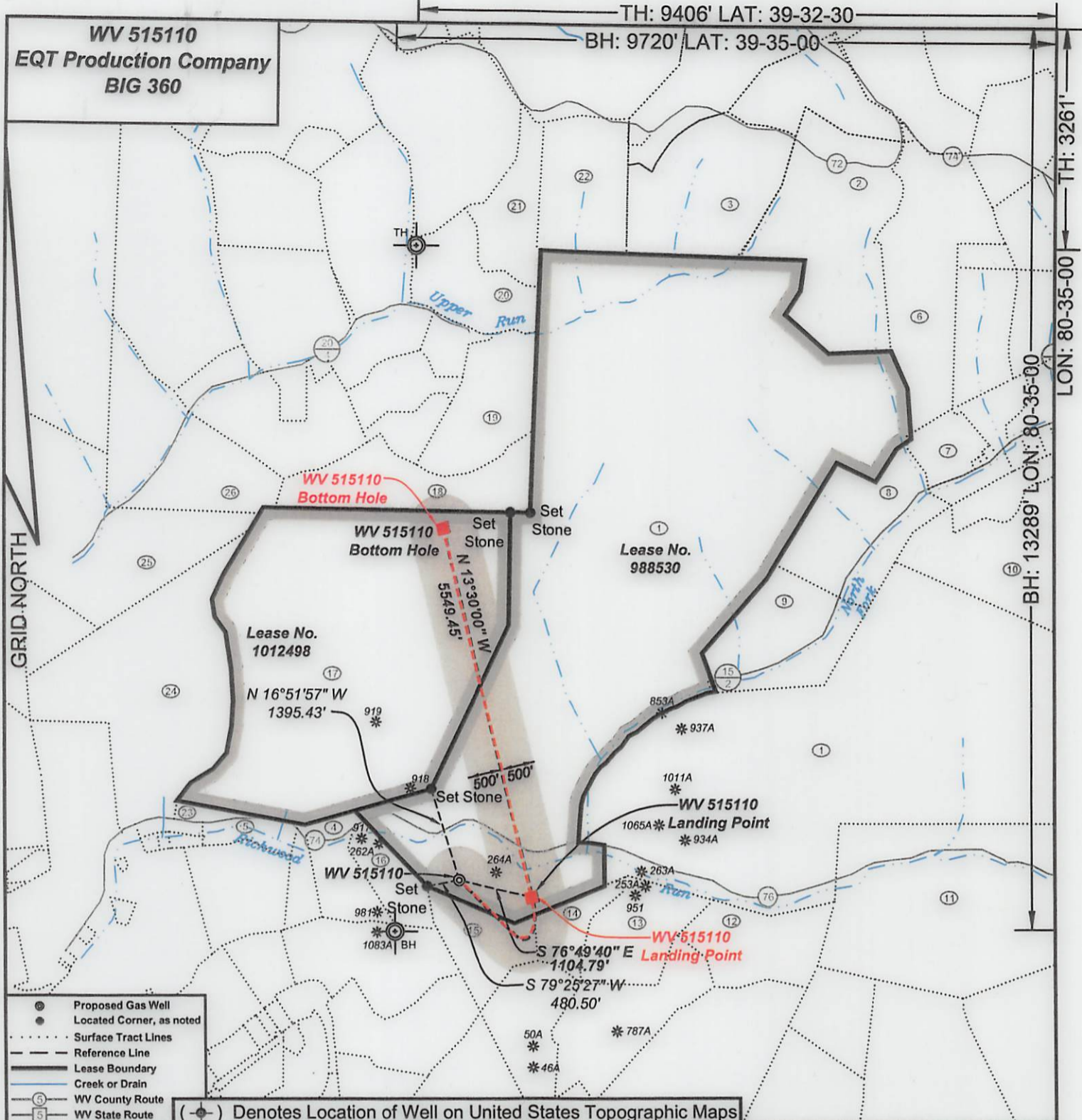
515110 47-103-03163-0000 - Stimulated Stages

| Stage Number | Stimulation Date | Ave Pump Rate (BPM) | Ave Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|--------------|------------------|---------------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
| 1.01 | 11/2/2017 | 11 | 6,613 | 8,908 | 5,726 | 0 | 1,079 | 0 |
| 1 | 11/7/2017 | 87 | 8,873 | 9,270 | 4,325 | 449,201 | 8,716 | 0 |
| 2 | 11/9/2017 | 87 | 9,024 | 9,415 | 4,312 | 448,739 | 7,668 | 0 |
| 3 | 11/10/2017 | 94 | 9,174 | 9,449 | 4,747 | 450,872 | 7,549 | 0 |
| 4 | 11/11/2017 | 87 | 9,145 | 9,787 | 4,652 | 450,345 | 7,555 | 0 |
| 5 | 11/12/2017 | 93 | 8,922 | 9,326 | 5,094 | 352,920 | 9,060 | 0 |
| 6 | 11/13/2017 | 97 | 8,561 | 8,973 | 4,909 | 460,377 | 7,652 | 0 |
| 7 | 11/13/2017 | 83 | 8,933 | 9,471 | 5,409 | 287,321 | 7,222 | 0 |
| 7 | 11/14/2017 | 78 | 8,670 | 9,471 | 5,488 | 163,447 | 5,006 | 0 |
| 8 | 11/14/2017 | 88 | 8,737 | 9,302 | 4,469 | 450,256 | 9,787 | 0 |
| 9 | 11/16/2017 | 89 | 8,747 | 9,109 | 4,330 | 450,188 | 9,139 | 0 |
| 10 | 11/17/2017 | 91 | 9,127 | 9,433 | 4,289 | 450,672 | 8,653 | 0 |
| 11 | 11/17/2017 | 100 | 8,903 | 9,328 | 4,529 | 450,020 | 7,911 | 0 |
| 12 | 11/18/2017 | 82 | 8,965 | 9,425 | 4,265 | 450,795 | 9,305 | 0 |
| 13 | 11/19/2017 | 100 | 8,740 | 9,332 | 4,135 | 450,462 | 7,589 | 0 |
| 14 | 11/19/2017 | 93 | 8,806 | 9,411 | 4,224 | 448,865 | 7,554 | 0 |
| 15 | 11/20/2017 | 97 | 8,718 | 9,380 | 4,031 | 450,198 | 7,556 | 0 |
| 16 | 11/21/2017 | 84 | 9,041 | 9,483 | 4,124 | 451,385 | 7,395 | 0 |
| 17 | 11/22/2017 | 95 | 8,977 | 9,328 | 4,260 | 451,837 | 7,811 | 0 |
| 18 | 11/23/2017 | 93 | 8,981 | 9,279 | 4,007 | 448,665 | 7,551 | 0 |
| 19 | 11/24/2017 | 102 | 8,701 | 9,042 | 4,204 | 450,377 | 7,598 | 0 |
| 20 | 11/25/2017 | 101 | 8,442 | 8,751 | 4,342 | 450,892 | 7,385 | 0 |
| 21 | 11/26/2017 | 100 | 8,671 | 9,156 | 4,660 | 450,009 | 7,429 | 0 |
| 22 | 11/27/2017 | 99 | 8,772 | 9,305 | 4,630 | 449,422 | 7,195 | 0 |
| 23 | 11/27/2017 | 87 | 8,981 | 9,445 | 4,645 | 284,582 | 5,911 | 0 |
| 24 | 11/28/2017 | 79 | 8,894 | 9,509 | 4,502 | 450,162 | 10,266 | 0 |
| 25 | 11/29/2017 | 99 | 8,812 | 9,429 | 3,953 | 451,543 | 7,296 | 0 |
| 26 | 11/30/2017 | 100 | 8,437 | 9,175 | 4,581 | 449,118 | 10,714 | 0 |
| 27 | 11/30/2017 | 100 | 8,149 | 8,969 | 4,607 | 450,599 | 7,384 | 0 |
| 28 | 12/1/2017 | 90 | 8,568 | 9,488 | 4,572 | 433,998 | 9,587 | 0 |
| 29 | 12/2/2017 | 100 | 7,726 | 9,028 | 3,920 | 452,679 | 9,160 | 0 |

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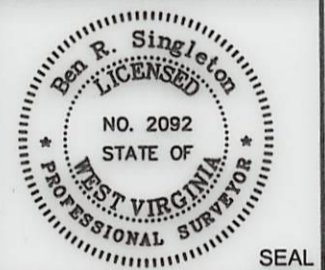
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P.S. 2092



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MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: October 9 20 17
OPERATOR'S WELL NO. 515110
API WELL NO
47 - 103 - 03163
STATE COUNTY PERMIT

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(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,064'

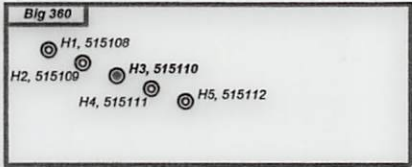
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray
ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
Bridgeport, WV 26330 Bridgeport, WV 26330

WV 515110
EQT Production Company
BIG 360

| Tract I.D. | Tax Map No. | Parcel No. | County | District | Surface Tract Owner | Acres |
|------------|-------------|------------|--------|----------|-------------------------------|---------|
| 1 | 17 | 14 | Wetzel | Grant | Coastal Forest Resources Co. | 1627.60 |
| 2 | 13 | 46 | Wetzel | Grant | Burl Henthorn Est, et al. | 99.00 |
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| 25 | 16 | 40 | Wetzel | Grant | Coastal Forest Resources Co. | 412.80 |
| 26 | 17 | 6 | Wetzel | Grant | Georgia Ann Smith | 0.55 |

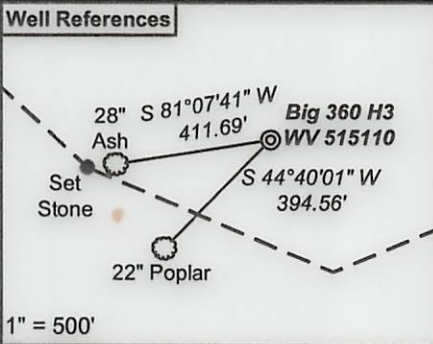
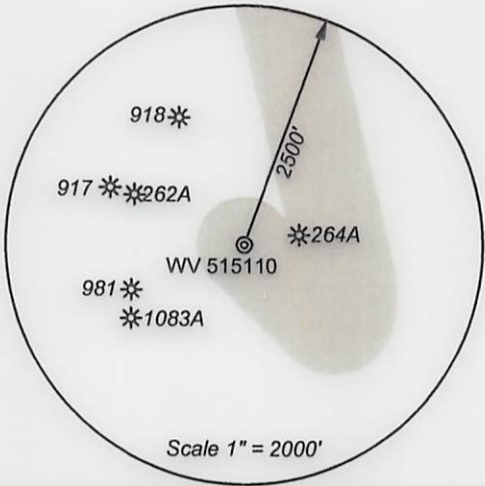
As-Drilled Well Information:
WV 515110 coordinates:
 NAD 27 N: 378,101.25 E: 1,685,010.89
 NAD 83 UTM N: 4,375,976.68 E: 532,947.70
WV 515110 Landing Point coordinates:
 NAD 27 N: 377,848.78 E: 1,686,073.97
 NAD 83 UTM N: 4,375,905.18 E: 533,272.87
WV 515110 Bottom Hole coordinates:
 NAD 27 N: 383,242.78 E: 1,684,787.78
 NAD 83 UTM N: 4,377,541.97 E: 532,853.65

West Virginia Coordinate System of 1927 (North Zone) based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon the grid north meridian.
 Well location references are based upon the grid north meridian.
 UTM coordinates are NAD83, Zone 17, Meters.



| Sub Surface | Acres | Owner |
|-------------|-------|-----------------------|
| Tract 14 | 16.50 | Billy D. Arnolds, Jr. |
| Tract 15 | 31.35 | Dallison Lumber Inc. |

| Lease No. | Acres | Owner |
|-----------|-------|--------------------------|
| 1012498 | 514 | Kenneth R. Mason, et al. |



- ⊙ Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- - - Lease Boundary
- Creek or Drain
- ⊙ WV County Route
- ⊙ WV State Route



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Ben R. Singleton
 P.S. 2092



FILE NO: 174-13
 DRAWING NO: 174-13 Big 360 H3
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: October 9 20 17
 OPERATOR'S WELL NO. 515110
 API WELL NO
 47 - 103 - 03163
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Original Ground = 1008' Proposed Ground = 998' WATERSHED Richwood Run QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: Coastal Forest Resources Company d/b/a Coastal Timberlands Company ACREAGE: 1,636.5
 ROYALTY OWNER: Mills-Wetzel Land, Inc. LEASE NO: 988530 ACREAGE: 659
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,064'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330