

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

API 47 - 095 - 02488 County Tyler District Lincoln  
Quad Paden City Pad Name Wells Meckley Unit Field/Pool Name Middlebourne  
Farm name Velma L. Wells Well Number #1406 MH  
Operator (as registered with the OOG) Triad Hunter, LLC  
Address 122 W. John Carpenter Freeway, Suite 300 City Irving State TX Zip 75039

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 380265.14 Easting 1567295.97  
Landing Point of Curve Northing 380298.25 Easting 1569427.43  
Bottom Hole Northing 373699.14 Easting 1571762.03

Elevation (ft) 985' 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 Mud System

Date permit issued 1/02/2018 Date drilling commenced 1/20/2018 Date drilling ceased 2/2/2018  
Date completion activities began 3/13/2018 Date completion activities ceased 4/4/2018  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

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Freshwater depth(s) ft Surface- 300' Open mine(s) (Y/N) depths N/A  
Salt water depth(s) ft @1200' Void(s) encountered (Y/N) depths N/A  
Coal depth(s) ft 600' - 700' Cavern(s) encountered (Y/N) depths N/A  
Is coal being mined in area (Y/N) N

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Reviewed by:

DMH

Reviewed

8/21/18

WR-35  
Rev. 8/23/13

API 47-095 - 02488

Farm name Velma L. Wells

Well number #1406 MH

| 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                 | 28"       | 20"         | 100'    | new         | 80#         | -0-             | yes   |
| Surface                   | 17 1/2"   | 13 3/8"     | 444'    | new         | J-55 54.5#  | -0-             | 29 bbls return to surface                               |
| Coal                      |           |             |         |             |             |                 |   |
| Intermediate 1            | 12 1/4"   | 9 5/8"      | 2866'   | new         | J-55 36#    | -0-             | 50 bbls return to surface                               |
| Intermediate 2            |           |             |         |             |             |                 |   |
| Intermediate 3            |           |             |         |             |             |                 |   |
| Production                | 8 1/2"    | 5 1/2"      | 14,344' | new         | P-110 20#   | -0-             | 29 bbls return to surface                               |
| Tubing                    |           | 2 7/8"      | 6,807'  | new         | L-80 6.4#   | -0-             |   |
| Packer type and depth set |           |             |         |             |             |                 |   |

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                   | 180             | 15.6            | 1.18                         | 212.4                     | surface         | 24+       |
| Surface        | CLASS A                   | 370             | 15.6            | 1.2                          | 444                       | surface         | 12+       |
| Coal           |                           |                 |                 |                              |                           |                 |           |
| Intermediate 1 | CLASS A                   | 1040            | 15.6            | 1.19                         | 1237.6                    | surface         | 24+       |
| Intermediate 2 |                           |                 |                 |                              |                           |                 |           |
| Intermediate 3 |                           |                 |                 |                              |                           |                 |           |
| Production     | SCAV(HY LEAD (HY TAIL (H) | 435/ 735/ 1850  | 135./ 15/ 15.2  | 1.46/ 1.34/ 1.14             | 635/985/ 2109             | surface         | 24+       |
| Tubing         |                           |                 |                 |                              |                           |                 |           |

Drillers TD (ft) MD= 14,355' TVD= 6,298' Loggers TD (ft) N/A NO OPEN HOLE LOGS RAN  
 Deepest formation penetrated Marcellus Shale Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) MD= 6119' TVD= 5750'

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 \_\_\_\_\_  
 Surface casing 17 1/2": 4 centralizers  
 Intermediate casing 13 3/8": 14 centralizers  
 Production casing 5 1/2": 97 centralizers

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 \_\_\_\_\_

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PERFORATION RECORD

| Stage No. | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|-----------|------------------|------------------------|----------------------|------------------------|--------------|
|           |                  |                        |                      |                        | SEE ATTACHED |
|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |
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|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

| Stage No. | Stimulations 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) |
|-----------|-------------------|---------------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
|           |                   |                     | SEE ATTACHED                 |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |

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| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u>   |                |
|-------------------------------|-----------------|----------------|
| <u>Marcellus Shale</u>        | <u>6169</u> TVD | <u>6690</u> MD |
| _____                         | _____           | _____          |
| _____                         | _____           | _____          |

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 3190 psi Bottom Hole 4937 psi DURATION OF TEST 87.12 hrs

OPEN FLOW Gas 6 mcfpd Oil 350 bpd NGL NA bpd Water 597 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

| LITHOLOGY/<br>FORMATION | TOP                     | BOTTOM             | TOP               | BOTTOM            | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND<br>TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC) |
|-------------------------|-------------------------|--------------------|-------------------|-------------------|--|
|                         | DEPTH IN FT<br>NAME TVD | DEPTH IN FT<br>TVD | DEPTH IN FT<br>MD | DEPTH IN FT<br>MD |  |
|                         | <u>0</u>                |                    | <u>0</u>          |                   |  |
|                         |                         |                    |                   |                   | <b>SEE ATTACHED FORMATION DETAILS</b>  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |

Please insert additional pages as applicable.

Drilling Contractor Helmerich & Payne  
Address 912 North Eagle Valley Rd City Howard State PA Zip 16841

Logging Company Baker Hughes  
Address 370 Westec Drive City Mt. Pleasant State PA Zip 15666

Cementing Company O-Tex Pumping  
Address 2916 Old Route 422 E City Fenelton State PA Zip 16841

Stimulating Company Slingray Pressure Pumping  
Address 42739 National Rd City Belmont State OH Zip 43718

Please insert additional pages as applicable.

Completed by Rachael Parker Telephone 740-868-1319  
Signature R Parker Title Sr. Engineering technician Date 6-18-18

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry



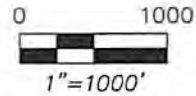
# WELLS MECKLEY 1406 (AS-DRILLED)

02/15/2019



**LEGEND**

- ⊕ TOPO MAP POINT
- ⊗ EXISTING WELLS
- ⊙ PRE-29 WELLS
- PARCEL LINES
- ⊕ PROPOSED WELL
- ⊗ WATER WELL
- ROAD
- STREAM



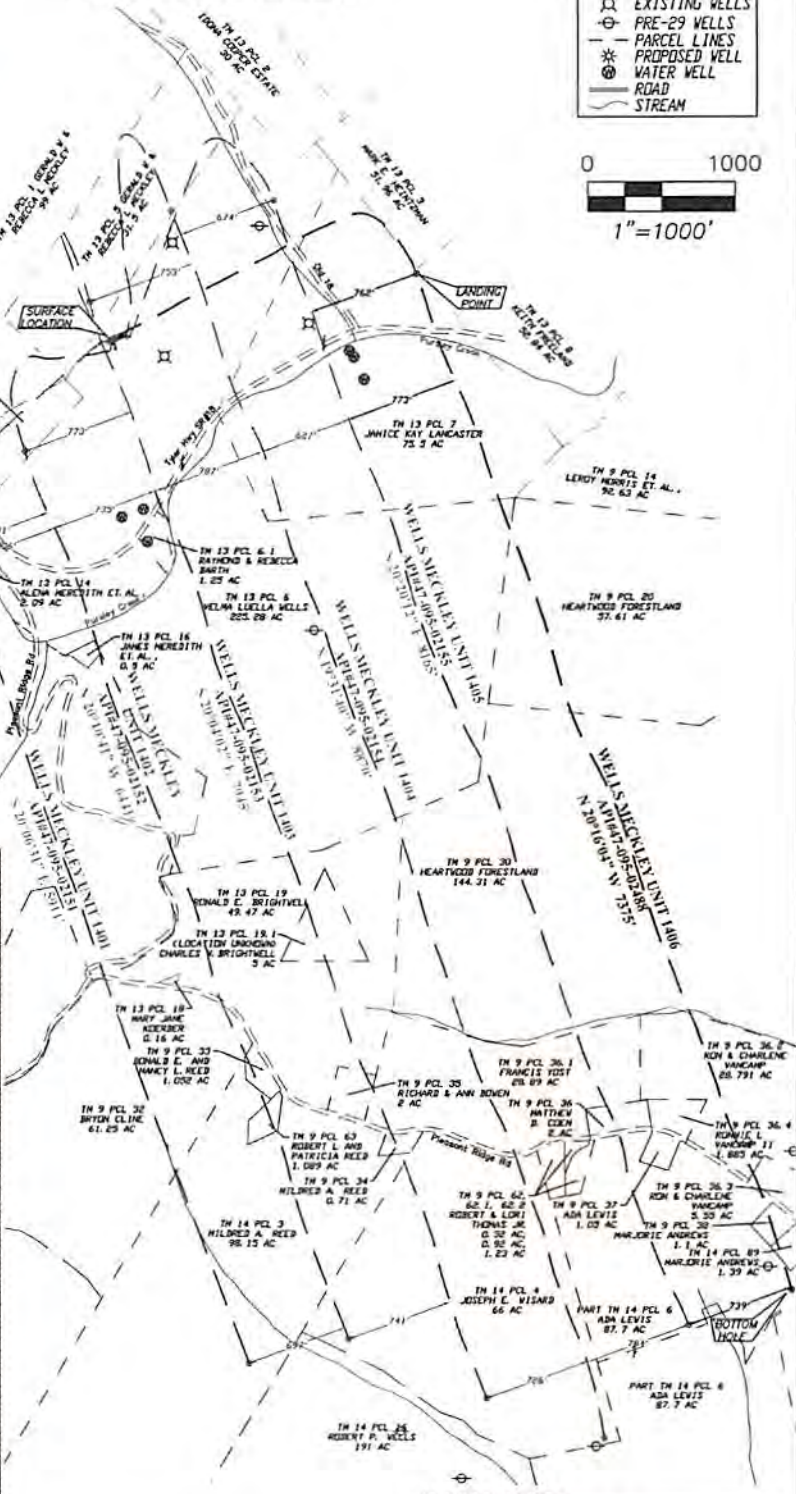
**SURFACE LOC.**  
 WITH 17-NAD 83 METERS  
 N: 4376185.95'  
 E: 506652.42'  
**NAD 83**  
 LAT: 39.53530852  
 LON: 80.92258624

**LANDING POINT LOC.**  
 WITH 17-NAD 83 METERS  
 N: 4376325.27'  
 E: 507264.12'  
**NAD 83**  
 LAT: 39.53650901  
 LON: 80.91546882

**BOTTOM HOLE LOC.**  
 WITH 17-NAD 83 METERS  
 N: 4374230.58'  
 E: 508077.82'  
**NAD 83**  
 LAT: 39.51767715  
 LON: 80.90602732

**WELLS MECKLEY MINERAL ROYALTY OWNERS DETAIL**

| TERRA/PARCEL | MINERAL OWNER                               | ACRES IN UNIT |
|--------------|---|---------------|
| 9/20         | BNC APPALACHIAN MINERALS LLC                | 9.97 ACRES    |
| 9/20         | VACO OIL & GAS, INC                         | 75.79 ACRES   |
| 10/29        | FRANK J. CLINE                              | 6.3 ACRES     |
| 9/29         | RUTH B. THOMAS ESTATE ET AL.                | 2.34 ACRES    |
| 9/29         | RUTH B. THOMAS ESTATE ET AL.                | 3.34 ACRES    |
| 9/29         | JAMES W. & HELEN M. THOMAS ET AL.           | 2.27 ACRES    |
| 9/29         | RONALD E. & MARY L. REED                    | 1.05 ACRES    |
| 9/24         | MILNER A. REED                              | 0.711 ACRES   |
| 9/29         | FRANCIS & JUSTIN ACHEN                      | 2.0 ACRES     |
| 9/29         | BETTY & KENNETH MCKEAD                      | 2.4 ACRES     |
| 9/26         | BETTY & KENNETH MCKEAD                      | 10.41 ACRES   |
| 9/26         | BETTY & KENNETH MCKEAD                      | 0.26 ACRES    |
| 9/26         | BETTY & KENNETH MCKEAD                      | 1.99 ACRES    |
| 9/27         | CHARLES RAY JONES                           | 0.563 ACRES   |
| 9/27         | RONALD EUGENE BOON                          | 0.509 ACRES   |
| 9/29         | CHARLES RAY JONES                           | 0.39 ACRES    |
| 9/29         | RONALD EUGENE BOON                          | 0.25 ACRES    |
| 9/42         | CHARLES RAY JONES                           | 0.18 ACRES    |
| 9/42         | RONALD EUGENE BOON                          | 0.16 ACRES    |
| 9/42         | CHARLES RAY JONES                           | 0.619 ACRES   |
| 9/42         | RONALD EUGENE BOON                          | 0.619 ACRES   |
| 9/42         | CHARLES RAY JONES                           | 0.084 ACRES   |
| 9/42         | RONALD EUGENE BOON                          | 0.084 ACRES   |
| 10/29        | ROBERT L. & PATRICIA REED                   | 1.089 ACRES   |
| 13/29        | TERESA STANCHER BURGET ET AL.               | 5.25 ACRES    |
| 13/29        | ROBERT R. STANCHER, II                      | 5.25 ACRES    |
| 13/29        | DAVID STANCHER                              | 5.25 ACRES    |
| 13/29        | HELM LUELLA WELLS                           | 1.82 ACRES    |
| 13/29        | HELM LUELLA WELLS                           | 1.05 ACRES    |
| 13/29        | RAYMOND & REBECCA BARTH                     | 1.23 ACRES    |
| 13/29        | JANICE FREELAND LANCASTER ET AL.            | 18.25 ACRES   |
| 13/29        | LARRY HERTHORN                              | 31.7 ACRES    |
| 13/29        | JANICE FREELAND LANCASTER                   | 18.78 ACRES   |
| 13/29        | TERESA STANCHER BURGET ET AL.               | 1.06 ACRES    |
| 13/29        | ROBERT R. STANCHER, II                      | 1.06 ACRES    |
| 13/29        | DAVID STANCHER                              | 1.06 ACRES    |
| 13/29        | DAVID & SHIRLEY JENNISON                    | 4.03 ACRES    |
| 13/29        | ROBERT R. & MARGAN E. STANCHER              | 2.99 ACRES    |
| 13/29        | TERESA STANCHER BURGET ET AL.               | 0.99 ACRES    |
| 13/29        | ROBERT R. STANCHER, II                      | 0.99 ACRES    |
| 13/29        | DAVID STANCHER                              | 0.99 ACRES    |
| 13/24        | JOHN B. & REBECCA MECKLEY                   | 2.45 ACRES    |
| 13/24        | WILLIAM H. MEREDEITH                        | 0.681 ACRES   |
| 13/24        | KAT MEREDEITH MCKEAD                        | 0.503 ACRES   |
| 13/24        | JAMES ROBERT MEREDEITH                      | 0.241 ACRES   |
| 13/24        | HARRY E. LEE                                | 0.503 ACRES   |
| 13/24        | NETTA JANE HALL                             | 0.503 ACRES   |
| 13/25        | WILLIAM H. MEREDEITH                        | 23.7 ACRES    |
| 13/25        | JAMES ROBERT MEREDEITH                      | 23.7 ACRES    |
| 13/25        | HARRY E. LEE & NETTA METERS                 | 4.0 ACRES     |
| 13/24        | WILLIAM H. MEREDEITH                        | 0.5 ACRES     |
| 13/25        | HARRY JANE NEFF                             | 0.093 ACRES   |
| 13/25        | NETTIE WITA KELLEY                          | 0.093 ACRES   |
| 13/25        | WATNE RICKNER, JR.                          | 0.093 ACRES   |
| 13/25        | DAVID STANCHER                              | 49.47 ACRES   |
| 13/25        | CHARLES W. BRIGHTWELL                       | 5.0 ACRES     |
| 14/23        | MILNER A. REED                              | 44.4 ACRES    |
| 14/24        | LAWRENCE O. PRICE, AMP FUND III, LP         | 20.0 ACRES    |
| 14/24        | JOSEPH & LAFAYETTE WISARD, AMP FUND III, LP | 33.0 ACRES    |
| 14/24        | WILLIAM W. FOST, AMP FUND III, LP           | 5.3 ACRES     |
| 14/24        | ROBERT S. FOST, AMP FUND III, LP            | 5.3 ACRES     |
| 14/26        | CHARLES RAY JONES                           | 18.46 ACRES   |
| 14/26        | RONALD EUGENE BOON                          | 18.46 ACRES   |
| 14/29        | CHARLES RAY JONES                           | 0.39 ACRES    |
| 14/29        | RONALD EUGENE BOON                          | 0.39 ACRES    |



**SURVEY NOTES:**

1. THIS IS A VOLUNTARILY POOLED UNIT
2. THERE ARE NO EXISTING WELLS OR DEVELOPED SPRINGS WITHIN 250' OF PROPOSED WELL.
3. THERE ARE NO EXISTING BUILDINGS WITHIN 625' OF PROPOSED WELL.
4. PROPOSED WELL IS GREATER THAN 100' FROM PERENNIAL STREAM, WETLAND, POND, RESERVOIR, OR LAKE.
5. THERE ARE NO NATIVE TROUT STREAMS WITHIN 300' OF PROPOSED WELL.
6. PROPOSED WELL IS GREATER THAN 1000' FROM SURFACE-GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY PROPOSED WELL.
7. IT IS NOT THE INTENTION OF THIS PLAN TO REPRESENT SURVEYED LOCATIONS OF THE SURFACE OR MINERAL PARCELS DEPICTED HEREIN. THE LOCATION OF THE BOUNDARY LINES, AS SHOWN, ARE BASED ON RECORD DEED DESCRIPTIONS. FIELD EVIDENCE FOUND, AND/OR TAX MAP POSITION, UNLESS OTHERWISE NOTED.



Architects • Engineers • Surveyors

11283 EMERSON AVENUE, PARKERSBURG, WV 26104  
 (304) 464-5305 PICKERING USA.COM

API WELL#: 47-095-02488  
 STATE COUNTY PERMIT

OPERATOR'S WELL#: WELLS MECKLEY 1406

WELL OPERATOR TRIAD HUNTER, LLC (SUBSIDIARY OF BLUE RIDGE MOUNTAIN RESOURCES)  
 ADDRESS 125 PUTNAM ST. MARRIETTA OH 45750  
 DESIGNATED AGENT KIMBERLY ARNOLD ADDRESS PO BOX 154 WAVERLY WV 26184 DATE: 3/14/2018

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                |                    |
|--------------------------------|--------------------|
| Job Start Date:                | 3/13/2018          |
| Job End Date:                  | 4/4/2018           |
| State:                         | West Virginia      |
| County:                        | Tyler              |
| API Number:                    | 47-095-02488-00-00 |
| Operator Name:                 | Triad Hunter LLC.  |
| Well Name and Number:          | Wells Meckley 1406 |
| Latitude:                      | 39.53530852        |
| Longitude:                     | -80.92258824       |
| Datum:                         | NAD83              |
| Federal Well:                  | NO                 |
| Indian Well:                   | NO                 |
| True Vertical Depth:           | 6,298              |
| Total Base Water Volume (gal): | 15,595,776         |
| 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                    | Blue Ridge Mountain Resources | Carrier/Base Fluid |                                       |  |  |  |          |
|                          |                               |                    | Water                                 | 7732-18-5                                | 100.00000  | 88.16803   | None     |
| Sand (40/70 Proppant)    | Muskie Proppant               | Proppant           |                                       |  |  |  |          |
|                          |                               |                    | Silica Substrate                      | 14808-60-7                               | 100.00000  | 10.28820   | None     |
| Sand (100 Mesh Proppant) | Muskie Proppant               | Proppant           |                                       |  |  |  |          |
|                          |                               |                    | Silica Substrate                      | 14808-60-7                               | 100.00000  | 1.05307  | None     |
| Hydrochloric Acid (28%)  | Dover                         | Acidizing          |                                       |  |  |  |          |
|                          |                               |                    | Water                                 | 7732-18-5                                | 64.00000   | 0.22862  | None     |
|                          |                               |                    | Hydrochloric Acid (Hydrogen Chloride) | 7732-18-5                                | 36.00000   | 0.12860  | None     |
| Plexslick 957            | Chemplex SOLVAY               | Friction Reducer   |                                       |  |  |  |          |
|                          |                               |                    | Water                                 | 7732-18-5                                | 75.00000   | 0.04560  | None     |
|                          |                               |                    | Petroleum Distillate                  | 64742-47-8                               | 20.00000   | 0.01216  | None     |
|                          |                               |                    | Ammonium Chloride ((NH4)Cl)           | 12125-02-9                               | 2.00000  | 0.00122  | None     |
|                          |                               |                    | Oleic Acid Diethanolamide             | 93-83-4                                  | 1.50000  | 0.00091  | None     |
|                          |                               |                    | Alcohols, C14-15, ethoxylated         | 68551-12-2                               | 1.50000  | 0.00091  | None     |

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|  |                                |                                  |   |             |           |         |      |
|--|--------------------------------|----------------------------------|---|-------------|-----------|---------|------|
| Plexgel 907  | Chemplex SOLVAY                | Gelling Agent, Water Viscofier   |   |             |           |         |      |
|  |                                |                                  | Petroleum distillate  | 64742-47-8  | 50.00000  | 0.01209 | None |
|  |                                |                                  | Guar gum  | 9000-30-0   | 50.00000  | 0.01209 | None |
|  |                                |                                  | Organophilic clay   | Proprietary | 2.00000   | 0.00048 | None |
|  |                                |                                  | Alcohol ethoxylate  | 34398-01-1  | 1.00000   | 0.00024 | None |
|  |                                |                                  | Crystalline silica  | 14808-60-7  | 0.10000   | 0.00001 | None |
| SI-20W   | Moon Chemical Products         | Scale Inhibitor                  |   |             |           |         |      |
|  |                                |                                  | Water   | 7732-18-5   | 56.00000  | 0.01331 | None |
|  |                                |                                  | Phosphinocarboxylic acid  | 110224-99-2 | 44.00000  | 0.01045 | None |
| K-BAC 1005   | Water Science Technologie, LLC | Biocide                          |   |             |           |         |      |
|  |                                |                                  | Polyethylene glycol   | 25322-68-3  | 50.00000  | 0.00747 | None |
|  |                                |                                  | Water   | 7732-18-5   | 44.30000  | 0.00662 | None |
|  |                                |                                  | 2, 2-Dibromo-3-nitripropionamide                                  | 10222-01-2  | 5.80000   | 0.00086 | None |
| Breaker  | Chemplex SOLVAY                | Gel Breaker                      |   |             |           |         |      |
|  |                                |                                  | Sodium Persulfate   | 7775-27-1   | 100.00000 | 0.00763 | None |
| NEFE-180   | Chemplex                       | Corrosion Inhibitor/Iron Control |   |             |           |         |      |
|  |                                |                                  | Acetic acid   | 64-19-7     | 89.00000  | 0.00149 | None |
|  |                                |                                  | Methanol  | 67-56-1     | 40.00000  | 0.00067 | None |
|  |                                |                                  | 2-Ethylhexanol  | 104-76-7    | 10.00000  | 0.00017 | None |
|  |                                |                                  | Coconut oil acid diethanolamine                                   | 68603-42-9  | 5.00000   | 0.00008 | None |
|  |                                |                                  | Fatty acids, tall oil   | 61790-12-3  | 5.00000   | 0.00008 | None |
|  |                                |                                  | Alcohols, C14-15, ethoxylated                                     | 68951-67-7  | 5.00000   | 0.00008 | None |
|  |                                |                                  | 2-Propyn-1-ol   | 107-19-7    | 5.00000   | 0.00008 | None |
| Hostastim TCA6038  | X-Chem                         | Corrosion Inhibitor/Iron Control |   |             |           |         |      |
|  |                                |                                  | Methanol  | 67-56-1     | 70.00000  | 0.00034 | None |
|  |                                |                                  | Pyridinium, 1-(phenylmethyl)-, ethyl methy derivatives, chlorides | 68909-18-2  | 30.00000  | 0.00015 | None |
|  |                                |                                  | 2-Ethylhexanol  | 104-76-7    | 10.00000  | 0.00005 | None |
|  |                                |                                  | 4-Nonylphenol, branched, ethoxylated                              | 127087-87-0 | 10.00000  | 0.00005 | None |
| Ingredients shown above are subject to 29 CFR 1910.1200(l) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS. |                                |                                  |   |             |           |         |      |
| Other Chemical(s)  | Listed Above                   | See Trade Name(s) List           |   |             |           |         |      |
|  |                                |                                  | Water   | 7732-18-5   | 64.00000  | 0.22862 |      |
|  |                                |                                  | Water   | 7732-18-5   | 75.00000  | 0.04560 |      |
|  |                                |                                  | Guar gum  | 9000-30-0   | 50.00000  | 0.01209 |      |
|  |                                |                                  | Phosphinocarboxylic acid  | 110224-99-2 | 44.00000  | 0.01045 |      |
|  |                                |                                  | Polyethylene glycol   | 25322-68-3  | 50.00000  | 0.00747 |      |
|  |                                |                                  | Water   | 7732-18-5   | 44.30000  | 0.00662 |      |
|  |                                |                                  | Ammonium Chloride ((NH4)Cl)                                       | 12125-02-9  | 2.00000   | 0.00122 |      |
|  |                                |                                  | Oleic Acid Diethanolamide   | 93-83-4     | 1.50000   | 0.00091 |      |
|  |                                |                                  | Alcohols, C14-15, ethoxylated                                     | 68551-12-2  | 1.50000   | 0.00091 |      |

|  |  |  |   |             |          |         |
|--|--|--|---|-------------|----------|---------|
|  |  |  | Methanol  | 67-56-1     | 40.00000 | 0.00067 |
|  |  |  | Organophilic clay   | Proprietary | 2.00000  | 0.00048 |
|  |  |  | Alcohol ethoxylate  | 34398-01-1  | 1.00000  | 0.00024 |
|  |  |  | 2-Ethylhexanol  | 104-76-7    | 10.00000 | 0.00017 |
|  |  |  | Pyridinium, 1-(phenylmethyl)-, ethyl methy derivatives, chlorides | 88909-18-2  | 30.00000 | 0.00015 |
|  |  |  | 2-Propyn-1-ol   | 107-19-7    | 5.00000  | 0.00008 |
|  |  |  | Coconut oil acid diethanolamine                                   | 88803-42-9  | 5.00000  | 0.00008 |
|  |  |  | Fatty acids, tall oil   | 61790-12-3  | 5.00000  | 0.00008 |
|  |  |  | Alcohols, C14-15, ethoxylated                                     | 88951-67-7  | 5.00000  | 0.00008 |
|  |  |  | 4-Nonylphenol, branched, ethoxylated                              | 127087-87-0 | 10.00000 | 0.00005 |
|  |  |  | 2-Ethylhexanol  | 104-76-7    | 10.00000 | 0.00005 |
|  |  |  | Crystalline silica  | 14808-60-7  | 0.10000  | 0.00001 |

\* 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)

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 Office of Oil and Gas  
 WV Department of  
 Environmental Protection  
 AUG 20 2018





Well: 1406  
 Crew: White Fleet  
 Location: WV / Tyler  
 Formation: Marcellus

02/15/2019

Treatment Summary

| Stage Number | Start Date | Total Clean Vol (bb) | Avg Psi (psi) | Max Psi (psi) | Avg Rate (bpm) | Max Rate (bpm) | 100 Mesh (lbs) | 40/70 White (lbs) | Proppant Type 3 (lbs) | Proppant Type 4 (lbs) | Acid Volume (gal) | Breakdown (psi) | ISIP (psi) |
|--------------|------------|----------------------|---------------|---------------|----------------|----------------|----------------|-------------------|-----------------------|-----------------------|-------------------|-----------------|------------|
| 1            | 3/13/2018  | 7,661                | 7,525         | 8,554         | 85.6           | 86.6           | 33,220         | 322,660           |                       |                       | 2,323             | n/a             | 2,805      |
| 2            | 3/13/2018  | 7,757                | 7,633         | 8,930         | 82.1           | 85.1           | 29,760         | 330,520           |                       |                       | 2,234             | 5,918           | 3,115      |
| 3            | 3/14/2018  | 6,357                | 8,052         | 8,379         | 81.9           | 90.2           | 29,700         | 245,280           |                       |                       | 2,281             | 5,899           | 3,640      |
| 4            | 3/15/2018  | 6,551                | 8,352         | 8,985         | 80.9           | 90.9           | 34,900         | 238,900           |                       |                       | 2,239             | 5,907           | 3,856      |
| 5            | 3/16/2018  | 5,680                | 7,982         | 8,435         | 82.8           | 88.4           | 30,420         | 170,260           |                       |                       | 2,272             | 5,148           | 4,004      |
| 6            | 3/17/2018  | 7,778                | 7,957         | 8,622         | 84.4           | 86.3           | 27,560         | 332,560           |                       |                       | 2,356             | 5,223           | 4,560      |
| 7            | 3/17/2018  | 8,898                | 7,792         | 8,489         | 86.5           | 88.5           | 30,820         | 330,020           |                       |                       | 2,243             | 5,096           | 4,250      |
| 8            | 3/17/2018  | 8,217                | 7,729         | 8,319         | 85.2           | 88.5           | 34,100         | 325,800           |                       |                       | 2,285             | 5,418           | 3,648      |
| 9            | 3/18/2018  | 8,090                | 7,774         | 8,565         | 84.9           | 87.4           | 33,080         | 327,000           |                       |                       | 2,323             | 5,504           | 3,760      |
| 10           | 3/18/2018  | 7,963                | 7,449         | 8,655         | 82.9           | 83.1           | 31,360         | 324,940           |                       |                       | 2,234             | 5,255           | 4,045      |
| 11           | 3/18/2018  | 7,956                | 7,762         | 8,605         | 84.2           | 85.6           | 28,660         | 332,180           |                       |                       | 2,243             | 5,123           | 4,108      |
| 12           | 3/18/2018  | 7,772                | 7,888         | 8,871         | 85.0           | 88.4           | 33,240         | 327,480           |                       |                       | 2,260             | 5,210           | 3,797      |
| 13           | 3/19/2018  | 7,733                | 7,827         | 8,615         | 84.4           | 86.3           | 28,480         | 332,400           |                       |                       | 2,327             | 5,165           | 3,639      |
| 14           | 3/19/2018  | 8,115                | 7,480         | 8,115         | 85.1           | 85.5           | 31,980         | 328,340           |                       |                       | 2,251             | 5,222           | 3,694      |
| 15           | 3/19/2018  | 7,934                | 7,672         | 8,881         | 83.6           | 87.1           | 30,940         | 329,580           |                       |                       | 2,247             | 5,242           | 3,694      |
| 16           | 3/19/2018  | 7,707                | 7,798         | 8,883         | 84.8           | 85.7           | 29,760         | 330,320           |                       |                       | 2,260             | 5,264           | 3,770      |
| 17           | 3/20/2018  | 7,552                | 7,766         | 8,843         | 84.2           | 86.3           | 32,960         | 332,760           |                       |                       | 2,402             | 5,282           | 3,679      |
| 18           | 3/20/2018  | 7,948                | 7,261         | 7,954         | 86.0           | 86.6           | 35,380         | 318,100           |                       |                       | 2,264             | 5,210           | 3,760      |
| 19           | 3/20/2018  | 7,911                | 7,351         | 8,201         | 85.7           | 86.3           | 30,720         | 322,840           |                       |                       | 2,239             | 5,250           | 3,726      |
| 20           | 3/21/2018  | 7,363                | 7,932         | 8,560         | 84.8           | 86             | 34,080         | 326,520           |                       |                       | 2,226             | 5,370           | 3,846      |
| 21           | 3/21/2018  | 8,144                | 7,758         | 9,934         | 77.9           | 83.6           | 32,360         | 274,760           |                       |                       | 2,369             | 5,526           | 4,313      |
| 22           | 3/21/2018  | 8,031                | 7,964         | 9,737         | 79.5           | 85             | 32,140         | 327,840           |                       |                       | 2,163             | 5,572           | 3,558      |
| 23           | 3/21/2018  | 7,922                | 7,395         | 8,300         | 85.0           | 85.9           | 32,240         | 327,480           |                       |                       | 2,163             | 5,786           | 3,944      |
| 24           | 3/25/2018  | 7,858                | 7,201         | 8,370         | 84.7           | 85.8           | 29,340         | 331,140           |                       |                       | 2,329             | 5,397           | 3,951      |
| 25           | 3/25/2018  | 7,801                | 7,415         | 8,523         | 85.5           | 90.9           | 33,320         | 329,800           |                       |                       | 2,201             | 5,371           | 3,722      |
| 26           | 3/26/2018  | 7,281                | 7,637         | 8,547         | 88.9           | 90.4           | 34,800         | 325,440           |                       |                       | 2,108             | 5,264           | 4,350      |
| 27           | 3/26/2018  | 8,035                | 7,420         | 8,436         | 86.5           | 91             | 34,860         | 324,900           |                       |                       | 2,230             | 5,505           | 3,997      |
| 28           | 3/27/2018  | 6,711                | 7,472         | 7,702         | 85.3           | 85.6           | 37,660         | 277,860           |                       |                       | 2,197             | 5,407           | 4,196      |
| 29           | 3/27/2018  | 7,860                | 7,136         | 8,327         | 84.6           | 86.4           | 30,420         | 329,960           |                       |                       | 2,365             | 5,463           | 3,991      |
| 30           | 3/28/2018  | 7,240                | 7,325         | 8,433         | 85.3           | 86.7           | 33,000         | 327,640           |                       |                       | 2,339             | 5,386           | 4,512      |
| 31           | 3/28/2018  | 7,908                | 7,313         | 8,124         | 87.3           | 88.3           | 31,160         | 328,600           |                       |                       | 2,239             | 5,679           | 3,858      |
| 32           | 3/29/2018  | 8,239                | 6,857         | 7,616         | 81.1           | 85.1           | 32,440         | 329,580           |                       |                       | 2,104             | 5,772           | 3,889      |
| 33           | 3/29/2018  | 7,563                | 7,302         | 8,662         | 82.1           | 85.7           | 35,700         | 324,600           |                       |                       | 2,222             | 5,881           | 3,950      |
| 34           | 4/3/2018   | 7,342                | 7,244         | 8,181         | 81.6           | 90.1           | 30,740         | 330,120           |                       |                       | 2,226             | 5,455           | 4,001      |
| 35           | 3/30/2018  | 7,943                | 7,058         | 7,971         | 83.3           | 85.5           | 33,040         | 325,080           |                       |                       | 2,155             | 5,560           | 3,990      |
| 36           | 3/31/2018  | 7,493                | 7,056         | 8,316         | 84.3           | 85.4           | 32,420         | 323,740           |                       |                       | 2,218             | 5,260           | 3,770      |
| 37           | 3/31/2018  | 7,787                | 7,179         | 7,924         | 85.9           | 86.8           | 32,260         | 328,100           |                       |                       | 1,827             | 5,791           | 3,817      |
| 38           | 3/31/2018  | 7,812                | 7,047         | 7,264         | 84.9           | 86.3           | 34,020         | 326,150           |                       |                       | 2,234             | 5,443           | 3,815      |
| 39           | 4/1/2018   | 7,862                | 7,157         | 7,489         | 88.9           | 91.8           | 33,340         | 327,740           |                       |                       | 2,209             | 5,149           | 3,860      |
| 40           | 4/1/2018   | 7,871                | 6,988         | 7,922         | 85.3           | 86.3           | 32,720         | 327,100           |                       |                       | 2,163             | 5,624           | 4,106      |
| 41           | 4/1/2018   | 7,679                | 7,165         | 7,663         | 85.8           | 86.2           | 31,560         | 322,900           |                       |                       | 2,251             | 5,414           | 3,790      |
| 42           | 4/2/2018   | 7,084                | 7,341         | 7,341         | 86.4           | 87             | 32,580         | 327,740           |                       |                       | 2,222             | 5,918           | 3,990      |
| 43           | 4/2/2018   | 7,794                | 6,998         | 7,734         | 83.9           | 85.9           | 31,800         | 328,060           |                       |                       | 2,255             | 5,773           | 3,728      |
| 44           | 4/2/2018   | 7,560                | 7,259         | 8,388         | 88.6           | 90.3           | 31,860         | 320,520           |                       |                       | 2,226             | 5,550           | 3,843      |
| 45           | 4/2/2018   | 7,563                | 7,027         | 8,221         | 85.2           | 85.7           | 33,900         | 325,960           |                       |                       | 2,150             | 5,839           | 3,686      |
| 46           | 4/3/2018   | 8,077                | 6,980         | 8,761         | 85.2           | 85.8           | 33,480         | 326,540           |                       |                       | 2,302             | 5,608           | 3,808      |
| 47           | 4/4/2018   | 7,781                | 7,032         | 7,978         | 90.4           | 91.5           | 33,180         | 321,160           |                       |                       | 2,180             | 5,395           | 3,845      |
| Totals       |            | 371,328              | 7,482         | 8,386         | 83.4           | 86.36          | 1,554,460      | 15,186,630        |                       |                       | 112,151           | 262,618         | 3,881      |

1406

02/15/2019

| Stage No. | Perforation Date | Top Depth (ft MD) | Bottom Depth (ft MD) | Number of Perfs |
|-----------|------------------|-------------------|----------------------|-----------------|
| Stg 49    | 4/4/2018 0:00    | 6959              | 6960                 | 7               |
| Stg 49    | 4/4/2018 0:00    | 6989              | 6990                 | 7               |
| Stg 49    | 4/4/2018 0:00    | 7019              | 7020                 | 7               |
| Stg 49    | 4/4/2018 0:00    | 7049              | 7050                 | 7               |
| Stg 49    | 4/4/2018 0:00    | 7079              | 7080                 | 7               |
| Stg 48    | 4/3/2018 8:00    | 7109              | 7110                 | 7               |
| Stg 48    | 4/3/2018 8:00    | 7139              | 7140                 | 7               |
| Stg 48    | 4/3/2018 8:00    | 7169              | 7170                 | 7               |
| Stg 48    | 4/3/2018 8:00    | 7199              | 7200                 | 7               |
| Stg 48    | 4/3/2018 8:00    | 7229              | 7230                 | 7               |
| Stg 47    | 4/3/2018 1:00    | 7259              | 7260                 | 7               |
| Stg 47    | 4/3/2018 1:00    | 7289              | 7290                 | 7               |
| Stg 47    | 4/3/2018 1:00    | 7319              | 7320                 | 7               |
| Stg 47    | 4/3/2018 1:00    | 7349              | 7350                 | 7               |
| Stg 47    | 4/3/2018 1:00    | 7379              | 7380                 | 7               |
| Stg 46    | 4/2/2018 16:00   | 7409              | 7410                 | 7               |
| Stg 46    | 4/2/2018 16:00   | 7439              | 7440                 | 7               |
| Stg 46    | 4/2/2018 16:00   | 7469              | 7470                 | 7               |
| Stg 46    | 4/2/2018 16:00   | 7499              | 7500                 | 7               |
| Stg 46    | 4/2/2018 16:00   | 7529              | 7530                 | 7               |
| Stg 45    | 4/2/2018 5:00    | 7559              | 7560                 | 7               |
| Stg 45    | 4/2/2018 5:00    | 7589              | 7590                 | 7               |
| Stg 45    | 4/2/2018 5:00    | 7619              | 7620                 | 7               |
| Stg 45    | 4/2/2018 5:00    | 7649              | 7650                 | 7               |
| Stg 45    | 4/2/2018 5:00    | 7679              | 7680                 | 7               |
| Stg 44    | 4/1/2018 22:00   | 7709              | 7710                 | 7               |
| Stg 44    | 4/1/2018 22:00   | 7739              | 7740                 | 7               |
| Stg 44    | 4/1/2018 22:00   | 7769              | 7770                 | 7               |
| Stg 44    | 4/1/2018 22:00   | 7799              | 7800                 | 7               |
| Stg 44    | 4/1/2018 22:00   | 7829              | 7830                 | 7               |
| Stg 43    | 4/1/2018 14:15   | 7859              | 7860                 | 7               |
| Stg 43    | 4/1/2018 14:15   | 7889              | 7890                 | 7               |
| Stg 43    | 4/1/2018 14:15   | 7919              | 7920                 | 7               |
| Stg 43    | 4/1/2018 14:15   | 7949              | 7950                 | 7               |
| Stg 43    | 4/1/2018 14:15   | 7979              | 7980                 | 7               |
| Stg 42    | 4/1/2018 5:45    | 8009              | 8010                 | 7               |
| Stg 42    | 4/1/2018 5:45    | 8039              | 8040                 | 7               |
| Stg 42    | 4/1/2018 5:45    | 8069              | 8070                 | 7               |
| Stg 42    | 4/1/2018 5:45    | 8099              | 8100                 | 7               |
| Stg 42    | 4/1/2018 5:45    | 8129              | 8130                 | 7               |
| Stg 41    | 3/31/2018 22:30  | 8159              | 8160                 | 7               |
| Stg 41    | 3/31/2018 22:30  | 8189              | 8190                 | 7               |
| Stg 41    | 3/31/2018 22:30  | 8219              | 8220                 | 7               |
| Stg 41    | 3/31/2018 22:30  | 8249              | 8250                 | 7               |
| Stg 41    | 3/31/2018 22:30  | 8279              | 8280                 | 7               |
| Stg 40    | 3/31/2018 14:00  | 8309              | 8310                 | 7               |

all  
manoeuvres

|        |                 |      |      |   |
|--------|-----------------|------|------|---|
| Stg 40 | 3/31/2018 14:00 | 8339 | 8340 | 7 |
| Stg 40 | 3/31/2018 14:00 | 8369 | 8370 | 7 |
| Stg 40 | 3/31/2018 14:00 | 8399 | 8400 | 7 |
| Stg 40 | 3/31/2018 14:00 | 8429 | 8430 | 7 |
| Stg 39 | 3/31/2018 4:00  | 8459 | 8460 | 7 |
| Stg 39 | 3/31/2018 4:00  | 8489 | 8490 | 7 |
| Stg 39 | 3/31/2018 4:00  | 8519 | 8520 | 7 |
| Stg 39 | 3/31/2018 4:00  | 8549 | 8550 | 7 |
| Stg 39 | 3/31/2018 4:00  | 8579 | 8580 | 7 |
| Stg 38 | 3/30/2018 19:30 | 8609 | 8610 | 7 |
| Stg 38 | 3/30/2018 19:30 | 8639 | 8640 | 7 |
| Stg 38 | 3/30/2018 19:30 | 8669 | 8670 | 7 |
| Stg 38 | 3/30/2018 19:30 | 8699 | 8700 | 7 |
| Stg 38 | 3/30/2018 19:30 | 8729 | 8730 | 7 |
| Stg 37 | 3/30/2018 8:00  | 8759 | 8760 | 7 |
| Stg 37 | 3/30/2018 8:00  | 8789 | 8790 | 7 |
| Stg 37 | 3/30/2018 8:00  | 8819 | 8820 | 7 |
| Stg 37 | 3/30/2018 8:00  | 8849 | 8850 | 7 |
| Stg 37 | 3/30/2018 8:00  | 8879 | 8880 | 7 |
| Stg 36 | 3/29/2018 23:59 | 8909 | 8910 | 7 |
| Stg 36 | 3/29/2018 23:59 | 8939 | 8940 | 7 |
| Stg 36 | 3/29/2018 23:59 | 8969 | 8970 | 7 |
| Stg 36 | 3/29/2018 23:59 | 8999 | 9000 | 7 |
| Stg 36 | 3/29/2018 23:59 | 9029 | 9030 | 7 |
| Stg 35 | 3/29/2018 12:30 | 9059 | 9060 | 7 |
| Stg 35 | 3/29/2018 12:30 | 9089 | 9090 | 7 |
| Stg 35 | 3/29/2018 12:30 | 9119 | 9120 | 7 |
| Stg 35 | 3/29/2018 12:30 | 9149 | 9150 | 7 |
| Stg 35 | 3/29/2018 12:30 | 9179 | 9180 | 7 |
| Stg 34 | 3/28/2018 20:00 | 9209 | 9210 | 7 |
| Stg 34 | 3/28/2018 20:00 | 9239 | 9240 | 7 |
| Stg 34 | 3/28/2018 20:00 | 9269 | 9270 | 7 |
| Stg 34 | 3/28/2018 20:00 | 9299 | 9300 | 7 |
| Stg 34 | 3/28/2018 20:00 | 9329 | 9330 | 7 |
| Stg 33 | 3/28/2018 8:00  | 9359 | 9360 | 7 |
| Stg 33 | 3/28/2018 8:00  | 9389 | 9390 | 7 |
| Stg 33 | 3/28/2018 8:00  | 9419 | 9420 | 7 |
| Stg 33 | 3/28/2018 8:00  | 9449 | 9450 | 7 |
| Stg 33 | 3/28/2018 8:00  | 9479 | 9480 | 7 |
| Stg 32 | 3/27/2018 19:00 | 9509 | 9510 | 7 |
| Stg 32 | 3/27/2018 19:00 | 9539 | 9540 | 7 |
| Stg 32 | 3/27/2018 19:00 | 9569 | 9570 | 7 |
| Stg 32 | 3/27/2018 19:00 | 9599 | 9600 | 7 |
| Stg 32 | 3/27/2018 19:00 | 9629 | 9630 | 7 |
| Stg 31 | 3/27/2018 7:30  | 9659 | 9660 | 7 |
| Stg 31 | 3/27/2018 7:30  | 9689 | 9690 | 7 |
| Stg 31 | 3/27/2018 7:30  | 9719 | 9720 | 7 |



|        |                 |       |       |   |
|--------|-----------------|-------|-------|---|
| Stg 31 | 3/27/2018 7:30  | 9749  | 9750  | 7 |
| Stg 31 | 3/27/2018 7:30  | 9779  | 9780  | 7 |
| Stg 30 | 3/26/2018 20:00 | 9809  | 9810  | 7 |
| Stg 30 | 3/26/2018 20:00 | 9839  | 9840  | 7 |
| Stg 30 | 3/26/2018 20:00 | 9869  | 9870  | 7 |
| Stg 30 | 3/26/2018 20:00 | 9899  | 9900  | 7 |
| Stg 30 | 3/26/2018 20:00 | 9929  | 9930  | 7 |
| Stg 29 | 3/26/2018 6:30  | 9959  | 9960  | 7 |
| Stg 29 | 3/26/2018 6:30  | 9989  | 9990  | 7 |
| Stg 29 | 3/26/2018 6:30  | 10019 | 10020 | 7 |
| Stg 29 | 3/26/2018 6:30  | 10049 | 10050 | 7 |
| Stg 29 | 3/26/2018 6:30  | 10079 | 10080 | 7 |
| Stg 28 | 3/25/2018 20:00 | 10109 | 10110 | 7 |
| Stg 28 | 3/25/2018 20:00 | 10139 | 10140 | 7 |
| Stg 28 | 3/25/2018 20:00 | 10169 | 10170 | 7 |
| Stg 28 | 3/25/2018 20:00 | 10199 | 10200 | 7 |
| Stg 28 | 3/25/2018 20:00 | 10229 | 10230 | 7 |
| Stg 27 | 3/25/2018 8:10  | 10259 | 10260 | 7 |
| Stg 27 | 3/25/2018 8:10  | 10289 | 10290 | 7 |
| Stg 27 | 3/25/2018 8:10  | 10319 | 10320 | 7 |
| Stg 27 | 3/25/2018 8:10  | 10349 | 10350 | 7 |
| Stg 27 | 3/25/2018 8:10  | 10379 | 10380 | 7 |
| Stg 26 | 3/24/2018 7:00  | 10409 | 10410 | 7 |
| Stg 26 | 3/24/2018 7:00  | 10439 | 10440 | 7 |
| Stg 26 | 3/24/2018 7:00  | 10469 | 10470 | 7 |
| Stg 26 | 3/24/2018 7:00  | 10499 | 10500 | 7 |
| Stg 26 | 3/24/2018 7:00  | 10529 | 10530 | 7 |
| Stg 25 | 3/23/2018 10:45 | 10559 | 10560 | 7 |
| Stg 25 | 3/23/2018 10:45 | 10589 | 10590 | 7 |
| Stg 25 | 3/23/2018 10:45 | 10619 | 10620 | 7 |
| Stg 25 | 3/23/2018 10:45 | 10649 | 10650 | 7 |
| Stg 25 | 3/23/2018 10:45 | 10679 | 10680 | 7 |
| Stg 24 | 3/21/2018 11:30 | 10709 | 10710 | 7 |
| Stg 24 | 3/21/2018 11:30 | 10739 | 10740 | 7 |
| Stg 24 | 3/21/2018 11:30 | 10769 | 10770 | 7 |
| Stg 24 | 3/21/2018 11:30 | 10799 | 10800 | 7 |
| Stg 24 | 3/21/2018 11:30 | 10829 | 10830 | 7 |
| Stg 23 | 3/21/2018 5:30  | 10859 | 10860 | 7 |
| Stg 23 | 3/21/2018 5:30  | 10889 | 10890 | 7 |
| Stg 23 | 3/21/2018 5:30  | 10919 | 10920 | 7 |
| Stg 23 | 3/21/2018 5:30  | 10949 | 10950 | 7 |
| Stg 23 | 3/21/2018 5:30  | 10979 | 10980 | 7 |
| Stg 22 | 3/21/2018 0:30  | 11009 | 11010 | 7 |
| Stg 22 | 3/21/2018 0:30  | 11039 | 11040 | 7 |
| Stg 22 | 3/21/2018 0:30  | 11069 | 11070 | 7 |
| Stg 22 | 3/21/2018 0:30  | 11099 | 11100 | 7 |
| Stg 22 | 3/21/2018 0:30  | 11129 | 11130 | 7 |

|        |                 |       |       |   |
|--------|-----------------|-------|-------|---|
| Stg 21 | 3/20/2018 11:00 | 11159 | 11160 | 7 |
| Stg 21 | 3/20/2018 11:00 | 11189 | 11190 | 7 |
| Stg 21 | 3/20/2018 11:00 | 11219 | 11220 | 7 |
| Stg 21 | 3/20/2018 11:00 | 11249 | 11250 | 7 |
| Stg 21 | 3/20/2018 11:00 | 11279 | 11280 | 7 |
| Stg 20 | 3/20/2018 5:15  | 11309 | 11310 | 7 |
| Stg 20 | 3/20/2018 5:15  | 11339 | 11340 | 7 |
| Stg 20 | 3/20/2018 5:15  | 11369 | 11370 | 7 |
| Stg 20 | 3/20/2018 5:15  | 11399 | 11400 | 7 |
| Stg 20 | 3/20/2018 5:15  | 11429 | 11430 | 7 |
| Stg 19 | 3/19/2018 23:45 | 11459 | 11460 | 7 |
| Stg 19 | 3/19/2018 23:45 | 11489 | 11490 | 7 |
| Stg 19 | 3/19/2018 23:45 | 11519 | 11520 | 7 |
| Stg 19 | 3/19/2018 23:45 | 11549 | 11550 | 7 |
| Stg 19 | 3/19/2018 23:45 | 11579 | 11580 | 7 |
| Stg 18 | 3/19/2018 19:00 | 11609 | 11610 | 7 |
| Stg 18 | 3/19/2018 19:00 | 11639 | 11640 | 7 |
| Stg 18 | 3/19/2018 19:00 | 11669 | 11670 | 7 |
| Stg 18 | 3/19/2018 19:00 | 11699 | 11700 | 7 |
| Stg 18 | 3/19/2018 19:00 | 11729 | 11730 | 7 |
| Stg 17 | 3/19/2018 13:00 | 11759 | 11760 | 7 |
| Stg 17 | 3/19/2018 13:00 | 11789 | 11790 | 7 |
| Stg 17 | 3/19/2018 13:00 | 11819 | 11820 | 7 |
| Stg 17 | 3/19/2018 13:00 | 11849 | 11850 | 7 |
| Stg 17 | 3/19/2018 13:00 | 11879 | 11880 | 7 |
| Stg 16 | 3/19/2018 6:15  | 11909 | 11910 | 7 |
| Stg 16 | 3/19/2018 6:15  | 11939 | 11940 | 7 |
| Stg 16 | 3/19/2018 6:15  | 11969 | 11970 | 7 |
| Stg 16 | 3/19/2018 6:15  | 11999 | 12000 | 7 |
| Stg 16 | 3/19/2018 6:15  | 12029 | 12030 | 7 |
| Stg 15 | 3/19/2018 1:30  | 12059 | 12060 | 7 |
| Stg 15 | 3/19/2018 1:30  | 12089 | 12090 | 7 |
| Stg 15 | 3/19/2018 1:30  | 12119 | 12120 | 7 |
| Stg 15 | 3/19/2018 1:30  | 12149 | 12150 | 7 |
| Stg 15 | 3/19/2018 1:30  | 12179 | 12180 | 7 |
| Stg 14 | 3/18/2018 19:00 | 12209 | 12210 | 7 |
| Stg 14 | 3/18/2018 19:00 | 12239 | 12240 | 7 |
| Stg 14 | 3/18/2018 19:00 | 12269 | 12270 | 7 |
| Stg 14 | 3/18/2018 19:00 | 12299 | 12300 | 7 |
| Stg 14 | 3/18/2018 19:00 | 12329 | 12330 | 7 |
| Stg 13 | 3/18/2018 14:00 | 12359 | 12360 | 7 |
| Stg 13 | 3/18/2018 14:00 | 12389 | 12390 | 7 |
| Stg 13 | 3/18/2018 14:00 | 12419 | 12420 | 7 |
| Stg 13 | 3/18/2018 14:00 | 12449 | 12450 | 7 |
| Stg 13 | 3/18/2018 14:00 | 12479 | 12480 | 7 |
| Stg 12 | 3/18/2018 8:15  | 12509 | 12510 | 7 |
| Stg 12 | 3/18/2018 8:15  | 12539 | 12540 | 7 |

|        |                 |       |       |   |
|--------|-----------------|-------|-------|---|
| Stg 12 | 3/18/2018 8:15  | 12569 | 12570 | 7 |
| Stg 12 | 3/18/2018 8:15  | 12599 | 12600 | 7 |
| Stg 12 | 3/18/2018 8:15  | 12629 | 12630 | 7 |
| Stg 11 | 3/18/2018 1:30  | 12659 | 12660 | 7 |
| Stg 11 | 3/18/2018 1:30  | 12689 | 12690 | 7 |
| Stg 11 | 3/18/2018 1:30  | 12719 | 12720 | 7 |
| Stg 11 | 3/18/2018 1:30  | 12749 | 12750 | 7 |
| Stg 11 | 3/18/2018 1:30  | 12779 | 12780 | 7 |
| Stg 10 | 3/17/2018 19:15 | 12809 | 12810 | 7 |
| Stg 10 | 3/17/2018 19:15 | 12839 | 12840 | 7 |
| Stg 10 | 3/17/2018 19:15 | 12869 | 12870 | 7 |
| Stg 10 | 3/17/2018 19:15 | 12899 | 12900 | 7 |
| Stg 10 | 3/17/2018 19:15 | 12929 | 12930 | 7 |
| Stg 9  | 3/17/2018 13:30 | 12959 | 12960 | 7 |
| Stg 9  | 3/17/2018 13:30 | 12989 | 12990 | 7 |
| Stg 9  | 3/17/2018 13:30 | 13019 | 13020 | 7 |
| Stg 9  | 3/17/2018 13:30 | 13049 | 13050 | 7 |
| Stg 9  | 3/17/2018 13:30 | 13079 | 13080 | 7 |
| Stg 8  | 3/17/2018 4:45  | 13109 | 13110 | 7 |
| Stg 8  | 3/17/2018 4:45  | 13139 | 13140 | 7 |
| Stg 8  | 3/17/2018 4:45  | 13169 | 13170 | 7 |
| Stg 8  | 3/17/2018 4:45  | 13199 | 13200 | 7 |
| Stg 8  | 3/17/2018 4:45  | 13229 | 13230 | 7 |
| Stg 7  | 3/16/2018 13:30 | 13259 | 13260 | 7 |
| Stg 7  | 3/16/2018 13:30 | 13289 | 13290 | 7 |
| Stg 7  | 3/16/2018 13:30 | 13319 | 13320 | 7 |
| Stg 7  | 3/16/2018 13:30 | 13349 | 13350 | 7 |
| Stg 7  | 3/16/2018 13:30 | 13379 | 13380 | 7 |
| Stg 6  | 3/15/2018 17:00 | 13409 | 13410 | 6 |
| Stg 6  | 3/15/2018 17:00 | 13439 | 13440 | 6 |
| Stg 6  | 3/15/2018 17:00 | 13469 | 13470 | 6 |
| Stg 6  | 3/15/2018 17:00 | 13499 | 13500 | 6 |
| Stg 6  | 3/15/2018 17:00 | 13529 | 13530 | 6 |
| Stg 5  | 3/15/2018 13:00 | 13559 | 13560 | 6 |
| Stg 5  | 3/15/2018 13:00 | 13589 | 13590 | 6 |
| Stg 5  | 3/15/2018 13:00 | 13619 | 13620 | 6 |
| Stg 5  | 3/15/2018 13:00 | 13649 | 13650 | 6 |
| Stg 5  | 3/15/2018 13:00 | 13679 | 13680 | 6 |
| Stg 4  | 3/14/2018 12:30 | 13709 | 13710 | 6 |
| Stg 4  | 3/14/2018 12:30 | 13739 | 13740 | 6 |
| Stg 4  | 3/14/2018 12:30 | 13769 | 13770 | 6 |
| Stg 4  | 3/14/2018 12:30 | 13799 | 13800 | 6 |
| Stg 4  | 3/14/2018 12:30 | 13829 | 13830 | 6 |
| Stg 3  | 3/14/2018 2:00  | 13859 | 13860 | 6 |
| Stg 3  | 3/14/2018 2:00  | 13889 | 13890 | 6 |
| Stg 3  | 3/14/2018 2:00  | 13919 | 13920 | 6 |
| Stg 3  | 3/14/2018 2:00  | 13949 | 13950 | 6 |



02/15/2019

|                |                 |       |       |   |
|----------------|-----------------|-------|-------|---|
| Stg 3          | 3/14/2018 2:00  | 13979 | 13980 | 6 |
| Stg 2          | 3/13/2018 12:30 | 14009 | 14010 | 6 |
| Stg 2          | 3/13/2018 12:30 | 14039 | 14040 | 6 |
| Stg 2          | 3/13/2018 12:30 | 14069 | 14070 | 6 |
| Stg 2          | 3/13/2018 12:30 | 14099 | 14100 | 6 |
| Stg 2          | 3/13/2018 12:30 | 14129 | 14130 | 6 |
| Stg 1 (Sleeve) | 2/16/2018       | 14154 | 14159 | 8 |
| Stg 1 (Sleeve) | 2/16/2018       | 14204 | 14209 | 8 |
| Stg 1 (Sleeve) | 2/16/2018       | 14253 | 14258 | 8 |



# WELLS MECKLEY 1406 (AS-DRILLED)

**LEGEND**

- ⊕ TOPD MAP POINT
- ⊗ EXISTING WELLS
- ⊙ PRE-29 WELLS
- PARCEL LINES
- ⊛ PROPOSED WELL
- ⊙ WATER WELL
- ROAD
- STREAM

02/15/2019

0 1000

1"=1000'

WV NORTH

**SURFACE LOC.**  
**UTM 17-NAD 83 METERS**  
 N: 4376185.95'  
 E: 506652.42'  
**NAD 83**  
 LAT: 39.53530852  
 LON: 80.92258824

**LANDING POINT LOC.**  
**UTM 17-NAD 83 METERS**  
 N: 4376325.27'  
 E: 507264.12'  
**NAD 83**  
 LAT: 39.53655901  
 LON: 80.91546862

**BOTTOM HOLE LOC.**  
**UTM 17-NAD 83 METERS**  
 N: 4374230.58'  
 E: 508077.62'  
**NAD 83**  
 LAT: 39.51767715  
 LON: 80.90602732

**WELLS MECKLEY MINERAL ROYALTY OWNERS DETAIL**

| TAXMAP/PARCEL | MINERAL OWNER                           | ACRES IN UNIT |
|---------------|---|---------------|
| 9/20          | BRC APPALACHIAN MINERALS LLC.           | 9.97 ACRES    |
| 9/30          | VACD OIL & GAS, INC.                    | 75.28 ACRES   |
| 9/32          | BYRON T. & JANET L. CLINE               | 8.9 ACRES     |
| 9/32          | RUTH B. THOMAS ESTATE ET. AL.           | 3.34 ACRES    |
| 9/32          | RUTH B. THOMAS ESTATE ET. AL.           | 3.34 ACRES    |
| 9/32          | JAMES W. & HELEN M. THOMAS ET. AL.      | 2.23 ACRES    |
| 9/33          | EDWARD E. & NANCY L. REED               | 1.05 ACRES    |
| 9/34          | MILDRED A. REED                         | 0.711 ACRES   |
| 9/35          | RICHARD & JUDITH BOWEN                  | 2.0 ACRES     |
| 9/36          | BETTY & KENNETH MOREHEAD                | 2 ACRES       |
| 9/36.1        | BETTY & KENNETH MOREHEAD                | 28.89 ACRES   |
| 9/36.2        | BETTY & KENNETH MOREHEAD                | 10.41 ACRES   |
| 9/36.3        | BETTY & KENNETH MOREHEAD                | 0.26 ACRES    |
| 9/36.4        | BETTY & KENNETH MOREHEAD                | 1.89 ACRES    |
| 9/37          | CHARLES RAY JONES                       | 0.525 ACRES   |
| 9/37          | RONALD EUGENE BOOR                      | 0.525 ACRES   |
| 9/38          | CHARLES RAY JONES                       | 0.35 ACRES    |
| 9/38          | RONALD EUGENE BOOR                      | 0.35 ACRES    |
| 9/62          | CHARLES RAY JONES                       | 0.16 ACRES    |
| 9/62          | RONALD EUGENE BOOR                      | 0.16 ACRES    |
| 9/62.1        | CHARLES RAY JONES                       | 0.615 ACRES   |
| 9/62.1        | RONALD EUGENE BOOR                      | 0.615 ACRES   |
| 9/62.2        | CHARLES RAY JONES                       | 0.066 ACRES   |
| 9/62.2        | RONALD EUGENE BOOR                      | 0.066 ACRES   |
| 9/63          | ROBERT L. & PATRICIA REED               | 1.089 ACRES   |
| 13/5          | TERESA STARCHER BURGET ET. AL.          | 5.25 ACRES    |
| 13/5          | DENVER R. STARCHER, II                  | 5.25 ACRES    |
| 13/5          | DAVID STARCHER                          | 5.25 ACRES    |
| 13/5          | VELMA LUELLA WELLS                      | 15.75 ACRES   |
| 13/6          | VELMA LUELLA WELLS                      | 225.28 ACRES  |
| 13/6.1        | RAYMOND & REBECCA BARTH                 | 1.25 ACRES    |
| 13/7          | JANICE FREELAND LANCASTER ET. AL.       | 18.75 ACRES   |
| 13/7          | LARRY MENTHORN                          | 37.5 ACRES    |
| 13/7          | JANICE FREELAND LANCASTER               | 18.75 ACRES   |
| 13/9          | TERESA STARCHER BURGET ET. AL.          | 1.06 ACRES    |
| 13/9          | DENVER R. STARCHER, II                  | 1.06 ACRES    |
| 13/9          | DAVID STARCHER                          | 1.06 ACRES    |
| 13/9.2        | DAVID & SHIRLEY JOHNSON                 | 4.03 ACRES    |
| 13/9.4        | DENVER R. & BERNAH L. STARCHER          | 2.93 ACRES    |
| 13/9.6        | TERESA STARCHER BURGET ET. AL.          | 0.95 ACRES    |
| 13/9.6        | DENVER R. STARCHER, II                  | 0.95 ACRES    |
| 13/9.6        | DAVID STARCHER                          | 0.95 ACRES    |
| 13/9.6        | GERALD & REBECCA MECKLEY                | 2.85 ACRES    |
| 13/14         | VILLIAM H. MEREDITH                     | 0.261 ACRES   |
| 13/14         | KAY MEREDITH MOLNAR                     | 0.523 ACRES   |
| 13/14         | JAMES ROBERT MEREDITH                   | 0.261 ACRES   |
| 13/14         | MARY R. LEE                             | 0.523 ACRES   |
| 13/14         | REITA JANE HALL                         | 0.523 ACRES   |
| 13/15         | VILLIAM H. MEREDITH                     | 23.7 ACRES    |
| 13/15         | JAMES ROBERT MEREDITH                   | 23.7 ACRES    |
| 13/15         | MARY E. & C. C. FETTY HEIRS             | 4.0 ACRES     |
| 13/16         | VILLIAM H. MEREDITH                     | 0.5 ACRES     |
| 13/18         | MARY JANE NEFF                          | 0.053 ACRES   |
| 13/18         | NETTIE NIYA GULLEY                      | 0.053 ACRES   |
| 13/18         | WAYNE KOENBER, JR.                      | 0.053 ACRES   |
| 13/19         | RONALD E. BRIGHTWELL                    | 49.47 ACRES   |
| 13/19.1       | CHARLES W. BRIGHTWELL                   | 5.0 ACRES     |
| 14/3          | MILDRED A. REED                         | 46.4 ACRES    |
| 14/4          | LAWRENCE D. PRICE, AMP FUND III, LP     | 22.0 ACRES    |
| 14/4          | JOSEPH & LAVERN WISARD, AMP FUND II, LP | 33.0 ACRES    |
| 14/4          | WILLIAM V. POST, AMP FUND III, LP       | 5.5 ACRES     |
| 14/4          | ROGER S. POST, AMP FUND III, LP         | 5.5 ACRES     |
| 14/6          | CHARLES RAY JONES                       | 19.42 ACRES   |
| 14/6          | RONALD EUGENE BOOR                      | 19.42 ACRES   |
| 14/89         | CHARLES RAY JONES                       | 0.33 ACRES    |
| 14/89         | RONALD EUGENE BOOR                      | 0.33 ACRES    |



Architects • Engineers • Surveyors

11283 EMERSON AVENUE, PARKERSBURG, WV 26104  
 (304) 464-5305 PICKERING USA.COM

API WELL #: 47-095-02488  
 STATE COUNTY PERMIT

OPERATOR'S WELL #: WELLS MECKLEY 1406

WELL OPERATOR TRIAD HUNTER, LLC (SUBSIDIARY  
 OF BLUE RIDGE MOUNTAIN RESOURCES)  
 DESIGNATED AGENT KIMBERLY ARNOLD

ADDRESS 125 PUTNAM ST. MARIETTA OH 45750  
 ADDRESS PO BOX 154 WAVERLY WV 26184  
 DATE: 3/14/2018

**SURVEY NOTES:**

1. THIS IS A VOLUNTARILY POOLED UNIT
2. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF PROPOSED WELL.
3. THERE ARE NO EXISTING BUILDINGS WITHIN 625' OF PROPOSED WELL.
4. PROPOSED WELL IS GREATER THAN 100' FROM PERENNIAL STREAM, WETLAND, POND, RESERVOIR, OR LAKE.
5. THERE ARE NO NATIVE TROUT STREAMS WITHIN 300' OF PROPOSED WELL.
6. PROPOSED WELL IS GREATER THAN 1000' FROM SURFACE/GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY.
7. IT IS NOT THE INTENTION OF THIS PLAN TO REPRESENT SURVEYED LOCATIONS OF THE SURFACE OR MINERAL PARCELS DEPICTED HEREON. THE LOCATION OF THE BOUNDARY LINES, AS SHOWN, ARE BASED ON RECORD DEED DESCRIPTIONS, FIELD EVIDENCE FOUND, AND/OR TAX MAP POSITION, UNLESS OTHERWISE NOTED.



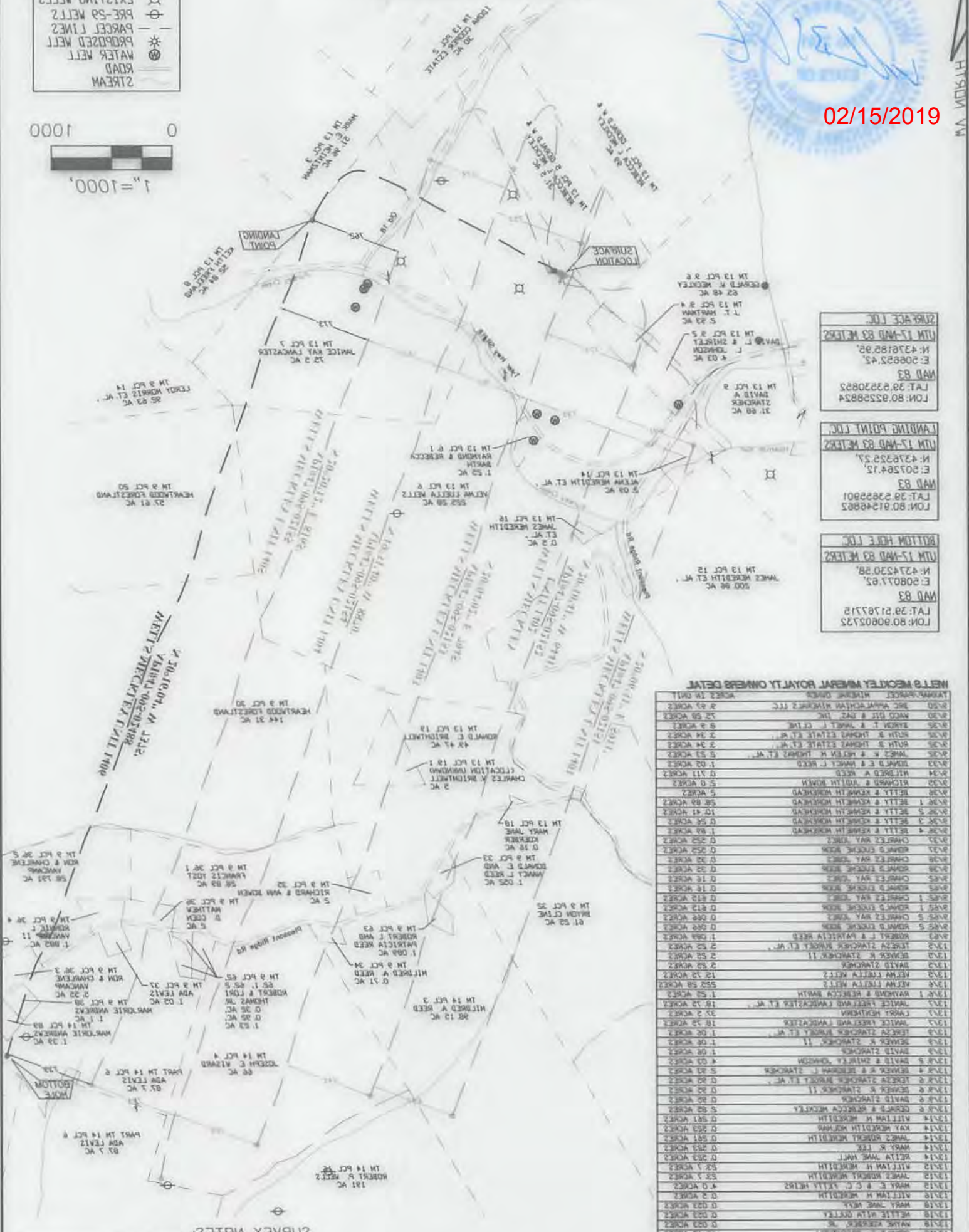
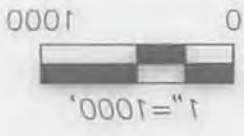
# WELLS MECKLEY 1406 (AS-DRILLED)



02/15/2019

**LEGEND**

- ⊕ TOPD MAP POINT
- ⊗ EXISTING WELLS
- ⊙ PRE-S9 WELLS
- PARCEL LINES
- ⊛ PROPOSED WELL
- ⊕ WATER WELL
- ROAD
- STREAM



**SURFACE LOC.**

TM 13 PCT 1  
N: 437882.42  
E: 508825.42  
WAD 83  
LAT: 38.9328825  
LON: 80.9328825

**LANDING POINT LOC.**

TM 13 PCT 1  
N: 437825.27  
E: 507284.12  
WAD 83  
LAT: 38.9282801  
LON: 80.91248805

**BOTTOM HOLE LOC.**

TM 13 PCT 1  
N: 437423.98  
E: 508077.62  
WAD 83  
LAT: 38.9127719  
LON: 80.90802325

**WELLS MECKLEY MINERAL ROYALTY OWNERS DETAIL**

|      |                    |            |
|------|--------------------|------------|
| 1400 | RONALD EUGENE BORN | 0.33 ACRES |
| 1401 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1402 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1403 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1404 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1405 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1406 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1407 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1408 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1409 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1410 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1411 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1412 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1413 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1414 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1415 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1416 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1417 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1418 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1419 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1420 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1421 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1422 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1423 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1424 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1425 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1426 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1427 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1428 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1429 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1430 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1431 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1432 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1433 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1434 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1435 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1436 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1437 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1438 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1439 | CHARLES RAY BIRDS  | 0.33 ACRES |
| 1440 | CHARLES RAY BIRDS  | 0.33 ACRES |



Architects • Engineers • Surveyors

11283 EMERSON AVENUE, PARKERSBURG, WV 26104  
(304) 464-2302 PICKERING USA.COM

API WELL #: 47-052-05488  
STATE COUNTY PERMIT

OPERATOR: 2 WELL # : WELLS MECKLEY 1406

WELL OPERATOR TRIAD HUNTER, LLC (SUBSIDIARY

OF BLUE RIDGE MOUNTAIN RESOURCES?)

ADDRESS 155 PUTNAM ST. MARIETTA OH 45750

DESIGNATED AGENT KIMBERLY ARNOLD ADDRESS PO BOX 124 WAVELEY WV 26184 DATE: 3/14/2018

### SURVEY NOTES:

1. THIS IS A VOLUNTARILY FILED UNIT
2. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 500' OF PROPOSED WELL.
3. THERE ARE NO EXISTING BUILDINGS WITHIN 500' OF PROPOSED WELL.
4. PROPOSED WELL IS GREATER THAN 100' FROM PERENNIAL STREAM, WETLAND, FLOOD RESERVING, OR LAKE.
5. THERE ARE NO NATIVE TRIBUT STREAMS WITHIN 300' OF PROPOSED WELL.
6. PROPOSED WELL IS GREATER THAN 1000' FROM SURFACE-GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY.
7. IT IS NOT THE INTENTION OF THIS PLAN TO REPRESENT SURVEYED LOCATIONS OF THE SURFACE OR MINERAL RESOURCES. THE LOCATION OF THE BOUNDARY LINES, AS SHOWN, ARE BASED ON RECORD DEED DESCRIPTIONS, FIELD EVIDENCE FOUND, AND/OR TAX MAP POSITION, UNLESS OTHERWISE NOTED.