

Well Operator's Report of Well Work



Well Number: 515279

API: 47 - 085 - 10097

Submission: Initial Amended

Notes: Correction to Production Cement Top (MD)

APPROVED

NAME: *Michael Daff*

DATE: *6/13/16*

RECEIVED
Office of Oil and Gas

DEC 21 2015

WV Department of
Environmental Protection

*RBDM 09/16/2016
AX 09/16/14*

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

API 47 - 085 - 10097 County RITCHIE District CLAY
Quad PENNSBORO Pad Name PEN15 Field/Pool Name _____
Farm name DEWAYNE BRITTON ET UX Well Number 515279
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 4,345,854 Easting 504,193
Landing Point of Curve Northing 4,345,747 Easting 503,697
Bottom Hole Northing 4,346,575 Easting 503,295

Elevation (ft) 1119 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)
Water base Mud 12.5 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 05/22/2014 Date drilling commenced 06/18/2014 Date drilling ceased 4/19/2015
Date completion activities began 5/15/2015 Date completion activities ceased 5/20/2015
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 83',163',242',394',770',873' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1652',1943',2521' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 14',273',379',744' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

09/16/2016

API 47-085 - 10097 Farm name DEWAYNE BRITTON ET UX Well number 515279

| 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 | 24" | 20" | 40' | NEW | A-500 40LB/FT | NONE | Y |
| Surface | 17.5" | 13.375" | 1,079' | NEW | J-55 54.5LB/FT | 827',329' | Y |
| Coal | | | | | | | |
| Intermediate 1 | 12.375" | 9.625" | 5,337' | NEW | P-110 40LB/FT | 1731',3269',4371' | Y |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8.5" | 5.5" | 11,514' | NEW | P-110 20LB/FT | NONE | N |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details _____

| 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 | 38 | 15.6 | 1.19 | 45.22 | 0 | 8 |
| Surface | CLASS A | 896 | 15.6 | 1.19 | 1066.24 | 0 | 8 |
| Coal | | | | | | | |
| Intermediate 1 | CLASS A / CLASS A | 384 / 357 | 14.2 / 15.6 | 1.24 / 1.18 | 897.42 | 0 | 8 |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | Class H / Class H | 451/465 | 14.2/15.2 | 1.23/2.18 | 1568.43 | 4,714' | 72 |
| Tubing | | | | | | | |

Drillers TD (ft) 11,547' MD Loggers TD (ft) N/A

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 4,687' MD

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- JOINTS: 1,12,23

INTERMEDIATE- RAN AT LEAST EVERY 500' FEET JOINTS: 1,13,25,37,48,59,71,83,95,107,119

PRODUCTION- 149 Composite Centralizers. One on every joint from TD to 4,990'

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- 085 - 10097 Farm name DEWAYNE BRITTON ET UX Well number 515279

| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u> | | |
|-------------------------------|---------------|------------|-------------------------|
| <u>Marcellus</u> | <u>6,369'</u> | <u>TVD</u> | <u>7,553'</u> <u>MD</u> |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1,670 psi Bottom Hole N/A psi DURATION OF TEST 46.0 hrs

OPEN FLOW Gas 6,377 mcfpd Oil N/A bpd NGL 75.2 bpd Water 403 bpd GAS MEASURED BY Estimated Orifice Pilot

| LITHOLOGY/ FORMATION | TOP | BOTTOM | TOP | BOTTOM | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC) |
|-------------------------|-------------------------|--------------------|-------------------|-------------------|--|
| | DEPTH IN FT NAME TVD | DEPTH IN FT TVD | DEPTH IN FT MD | DEPTH IN FT MD | |
| | <u>0</u> | | <u>0</u> | | |
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Please insert additional pages as applicable.

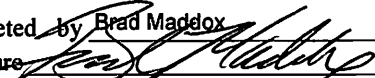
Drilling Contractor ALPHA HUNTER DRILLING (RIG 5)
Address P.O. BOX 430 City RENO State OH Zip 45773

Logging Company HOSSCO SERVICES, LLC
Address 614 TROTTERS LANE City CHARLESTON State WV Zip 25312

Cementing Company ALLIED OIL & GAS SERVICES
Address 1036 EAST MAIN ST. City BRIDGEPORT State WV Zip 26330

Stimulating Company Stingray Energy
Address 66680 Executive Drive City Saint Clairsville State OH Zip 43950

Please insert additional pages as applicable.

Completed by Brad Maddox Telephone 412-395-7053
Signature  Title Director of Drilling Date 12/9/2015

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

09/16/2016

WR-35
Rev. 8/23/13

Page ___ of ___

API 47- 085 - 10097 Farm name DEWAYNE BRITTON ET UX Well number 515279

Drilling Contractor Savanna Drilling
Address 2204 Timberloch Place Suite 230 City Woodlands State TX Zip 77380

Logging Company GYRODATA
Address 601 MAYER ST City BRIDGEVILLE State PA Zip 15017

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company Baker Hughes
Address 837 Philippi Pike City Clarksburgh State WV Zip 26301

API 47 - 085 - 10097

| Formation Name | Final Top MD (ftGL) (ft) | Final Top TVD (ft) | Final Btm MD (ftGL) (ft) | Final Btm TVD (ft) |
|------------------|--------------------------|--------------------|--------------------------|--------------------|
| FRESH WATER ZONE | 0 | 0 | 876 | 876 |
| SAND/SHALE | 0 | 0 | 17 | 17 |
| WASHINGTON COAL | 17 | 17 | 19 | 19 |
| SAND/SHALE | 19 | 19 | 276 | 276 |
| COAL | 276 | 276 | 284 | 284 |
| SAND/SHALE | 284 | 284 | 382 | 382 |
| COAL | 382 | 382 | 387 | 387 |
| SAND/SHALE | 387 | 387 | 747 | 747 |
| COAL | 747 | 747 | 751 | 751 |
| SAND/SHALE | 751 | 751 | 1,750 | 1,750 |
| MAXTON | 1,750 | 1,750 | 1,969 | 1,969 |
| BIG LIME | 1,969 | 1,969 | 2,037 | 2,037 |
| KEENER | 2,037 | 2,037 | 2,376 | 2,376 |
| WEIR | 2,376 | 2,376 | 2,581 | 2,581 |
| GANTZ | 2,581 | 2,581 | 2,721 | 2,721 |
| 50F | 2,721 | 2,721 | 2,802 | 2,802 |
| 30F | 2,802 | 2,802 | 2,846 | 2,846 |
| GORDON | 2,846 | 2,846 | 2,927 | 2,927 |
| 4TH | 2,927 | 2,927 | 3,073 | 3,073 |
| 5TH | 3,073 | 3,073 | 3,116 | 3,116 |
| BAYARD | 3,116 | 3,116 | 3,465 | 3,465 |
| WARREN | 3,465 | 3,465 | 3,508 | 3,508 |
| B-5 | 3,508 | 3,508 | 3,546 | 3,546 |
| SPEECHLEY | 3,546 | 3,546 | 3,931 | 3,931 |
| BALLTOWN A | 3,931 | 3,931 | 4,197 | 4,197 |
| BALLTOWN B | 4,197 | 4,197 | 4,340 | 4,340 |
| BRADFORD | 4,340 | 4,340 | 4,582 | 4,582 |
| RILEY | 4,582 | 4,582 | 4,950 | 4,947 |
| JAVA | 4,950 | 4,947 | 4,953 | 4,950 |
| BENSON | 4,953 | 4,950 | 5,213 | 5,204 |
| ALEXANDER | 5,213 | 5,204 | 5,260 | 5,249 |
| ANGOLA | 5,260 | 5,249 | 5,739 | 5,675 |
| RHINESTREET | 5,739 | 5,675 | 6,861 | 6,120 |
| SONYEA | 6,861 | 6,120 | 7,096 | 6,218 |
| MIDDLESEX | 7,096 | 6,218 | 7,216 | 6,265 |
| GENESSEE | 7,216 | 6,265 | 7,380 | 6,323 |
| GENESEO | 7,380 | 6,323 | 7,483 | 6,353 |
| TULLY | 7,483 | 6,353 | 7,524 | 6,362 |
| HAMILTON | 7,524 | 6,362 | 7,553 | 6,369 |
| MARCELLUS | 7,553 | 6,369 | 11,547 | 6,410 |

09/16/2016

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|--------------------------------|--------------------|
| Job Start Date: | 5/15/2015 |
| Job End Date: | 5/20/2015 |
| State: | West Virginia |
| County: | Ritchie |
| API Number: | 47-085-10097-00-00 |
| Operator Name: | EQT Production |
| Well Name and Number: | 515279 |
| Longitude: | -80.95156800 |
| Latitude: | 39.26192800 |
| Datum: | NAD83 |
| Federal/Tribal Well: | NO |
| True Vertical Depth: | 6,410 |
| Total Base Water Volume (gal): | 6,088,782 |
| 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 | Stingray Pressure Pumping, LLC | Carrier/Base Fluid | Water | 7732-18-5 | 100.00000 | 90.39966 | None |
| Sand (Proppant) | Stingray Pressure Pumping, LLC | Proppant | Silica Substrate | 14808-60-7 | 100.00000 | 9.24971 | None |
| MC MX 437-5 | Multi-Chem | Calcium nitrate solution | Calcium nitrate | 10124-37-5 | 60.00000 | 0.05674 | None |
| Hydrochloric Acid (15%) | Stingray Pressure Pumping, LLC | Acidizing | Hydrochloric Acid | 7647-01-0 | 15.00000 | 0.03323 | None |
| FRA-405 | Stingray Pressure Pumping, LLC | Friction reducer | Petroleum distillates | 54742-47-8 | 40.00000 | 0.00322 | None |
| | | | Sodium chloride | 7647-14-5 | 10.00000 | 0.00080 | None |
| | | | Ammonium chloride | 12125-02-9 | 7.00000 | 0.00056 | None |
| | | | Alcohols, C12-16, Ethoxylated | 68551-12-2 | 7.00000 | 0.00056 | None |
| ScaleClear 125 | Stingray Pressure Pumping, LLC | Scale inhibitor | Phosphonomethylated polymine, compd. w/ substituted amine | Proprietary | 15.00000 | 0.00370 | None |
| | | | Ammonium chloride | 12125-02-9 | 2.50000 | 0.00062 | None |

| | | | | | | | |
|--------|--------------------------------|--------------------------|--|-------------|----------|---------|------|
| AI 600 | Stingray Pressure Pumping, LLC | Acid corrosion inhibitor | | | | | |
| | | | Ethylene glycol | 107-21-1 | 40.00000 | 0.00072 | None |
| | | | N,N-Dimethylformamide | 68-12-2 | 20.00000 | 0.00036 | None |
| | | | 2-Butoxyethanol | 111-76-2 | 15.00000 | 0.00027 | None |
| | | | Tar bases, quinoline derivs, benzyl chloride-quaternized | 72480-70-7 | 15.00000 | 0.00027 | None |
| | | | Cinnamaldehyde | 104-55-2 | 15.00000 | 0.00027 | None |
| | | | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-branched | 127087-87-0 | 5.00000 | 0.00009 | None |
| | | | 1-Decanol | 112-30-1 | 5.00000 | 0.00009 | None |
| | | | 1-Octanol | 111-87-5 | 2.50000 | 0.00005 | None |
| | | | Triethyl phosphate | 78-40-0 | 2.50000 | 0.00005 | None |
| | | | Isopropanol | 67-63-0 | 2.50000 | 0.00005 | None |

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

- * 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)

Welcome Michelle N., Operator · OpNo. E1210363 [Log Out]

Hydraulic Fracturing
DISCLOSURE



Please use the FracFocus XML submission process or create disclosures online.

FIND A WELL
BY STATE

ABOUT PROJECT
PARTNERS

(Note: Clicking the FracFocus, FIND A WELL links will open a new window.)

Prepare Disclosure for FracFocus Submission

[Disclosure Lists](#) | [Dashboard](#)

Disclosure has been submitted.

Note: This window expires with 10 minutes of inactivity. After that you will be taken back to the dashboard.

Hydraulic Fracturing Data

Job Start Date: 5/15/2015 Job End Date: 5/20/2015 API Number: 47-085-10097-00-00 State & County: West Virginia --- Ritchie

Well Name: 515279

Longitude: -80.951568 Latitude: 39.261928 Datum: NAD83 Federal/Tribal Well?:

True Vertical Depth (ft): 6410 Total Water Vol (gal): 6088782 Total Non Water Vol: 0 Total Mass (lbs): 56206945



MSDS Chemical Ingredients

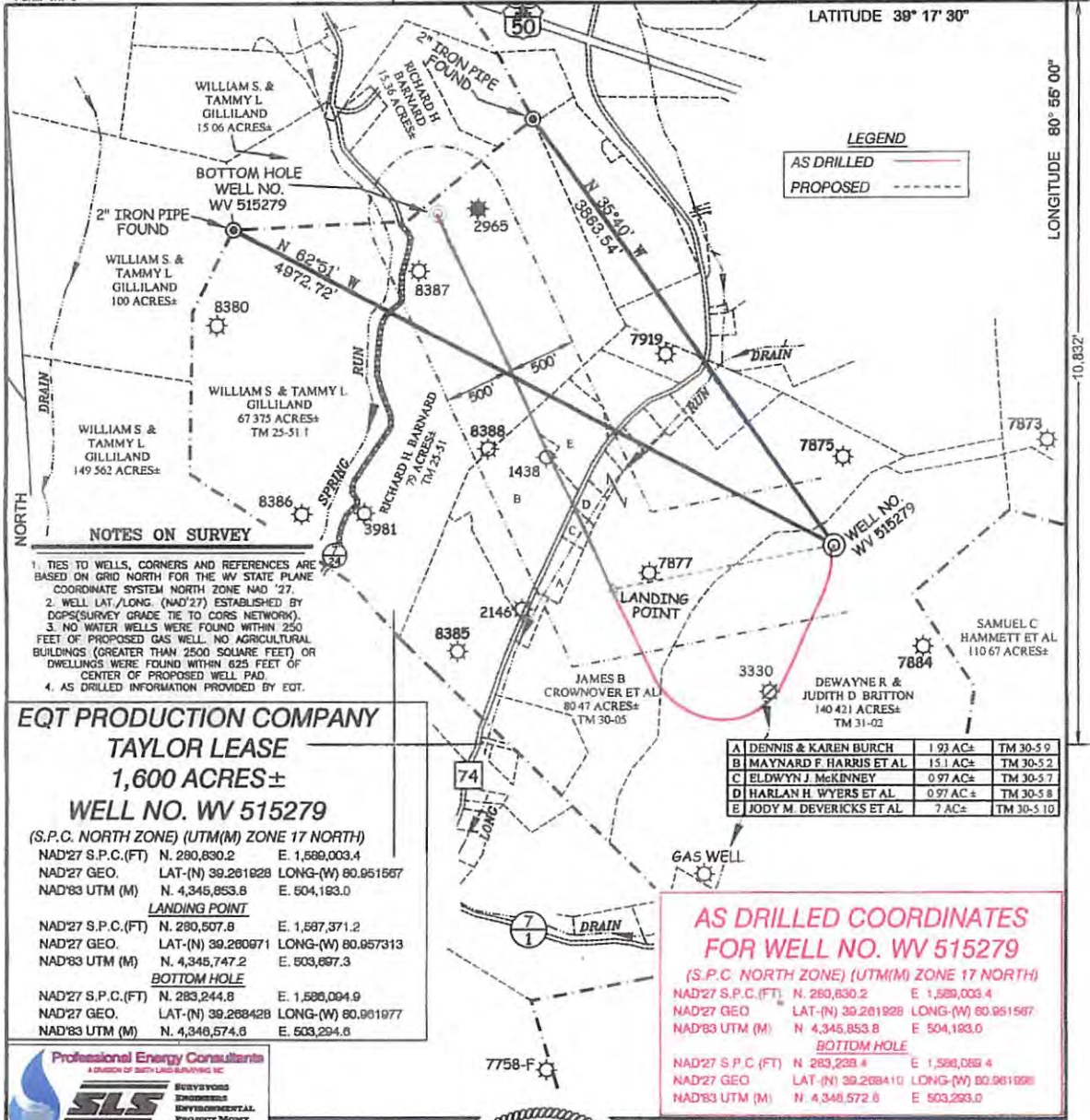
| | Trade Name | Supplier | Purpose | Ingredients | CAS # | % High Additive | % HF Job | Comments | Ingredient Mass |
|-------------------------------------|-------------------------|--------------------------------|--------------------------|-------------------------------|------------|-----------------|----------------|----------|-----------------|
| <input type="button" value="Edit"/> | Water | Stingray Pressure Pumping, LLC | Carrier/Base Fluid | Water | 7732-18-5 | 100% | 90.3996583083% | None | 50810885.79 |
| <input type="button" value="Edit"/> | Sand (Proppant) | Stingray Pressure Pumping, LLC | Proppant | Silica Substrate | 14808-60-7 | 100% | 9.2497111248% | None | 5198980 |
| <input type="button" value="Edit"/> | MC MX 437-5 | Multi-Chem | Calcium nitrate solution | Calcium nitrate | 10124-37-5 | 60% | .0567403244% | None | 31892.003 |
| <input type="button" value="Edit"/> | Hydrochloric Acid (15%) | Stingray Pressure Pumping, LLC | Acidizing | Hydrochloric Acid | 7647-01-0 | 15% | .0332299677% | None | 18677.55 |
| <input type="button" value="Edit"/> | FRA-405 | Stingray Pressure Pumping, LLC | Friction reducer | Petroleum distillates | 64742-47-8 | 40% | .0032188193% | None | 1809.2 |
| | | | | Sodium chloride | 7647-14-5 | 10% | .0008047048% | None | 452.3 |
| | | | | Ammonium chloride | 12125-02-9 | 7% | .0005632934% | None | 316.61 |
| | | | | Alcohols, C12-16, Ethoxylated | 68551-12-2 | 7% | .0005632934% | None | 316.61 |

| | | | | | | | | | |
|-------------------------------------|----------------|--------------------------------|--------------------------|--|-------------|------|--------------|------|----------|
| <input type="button" value="Edit"/> | ScaleClear 125 | Stingray Pressure Pumping, LLC | Scale inhibitor | Phosphonomethylated polyimine, compd. w/ substituted amine | Proprietary | 15% | .0037008249% | None | 2080.121 |
| | | | | Ammonium chloride | 12125-02-9 | 2.5% | .0006168041% | None | 346.687 |
| <input type="button" value="Edit"/> | AI 600 | Stingray Pressure Pumping, LLC | Acid corrosion inhibitor | Ethylene glycol | 107-21-1 | 40% | .0007244109% | None | 407.169 |
| | | | | N,N-Dimethylformamide | 68-12-2 | 20% | .0003622055% | None | 203.585 |
| | | | | 2-Butoxyethanol | 111-76-2 | 15% | .0002716541% | None | 152.688 |
| | | | | Tar bases, quinoline derivs, benzyl chloride-quaternized | 72480-70-7 | 15% | .0002716541% | None | 152.688 |
| | | | | Cinnamaldehyde | 104-55-2 | 15% | .0002716541% | None | 152.688 |
| | | | | Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched | 127087-87-0 | 5% | .0000905514% | None | 50.896 |
| | | | | 1-Decanol | 112-30-1 | 5% | .0000905514% | None | 50.896 |
| | | | | 1-Octanol | 111-87-5 | 2.5% | .0000452757% | None | 25.448 |
| | | | | Triethyl phosphate | 78-40-0 | 2.5% | .0000452757% | None | 25.448 |
| | | | | Isopropanol | 67-63-0 | 2.5% | .0000452757% | None | 25.448 |

Non-MSDS Chemical Ingredients

| <input type="button" value="New Ingredients"/> | | | | | | | | | |
|--|----------|---------|-------------|-------|-----------------|----------|----------|-----------------|--|
| Trade Name | Supplier | Purpose | Ingredients | CAS # | % High Additive | % HF Job | Comments | Ingredient Mass | |

Use Terms | © Copyright GWPC & IOGCC, 2010



NOTES ON SURVEY

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. WELL LAT/LONG (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIE TO CORS NETWORK).
3. NO WATER WELLS WERE FOUND WITHIN 250 FEET OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS (GREATER THAN 2500 SQUARE FEET) OR DWELLINGS WERE FOUND WITHIN 625 FEET OF CENTER OF PROPOSED WELL PAD.
4. AS DRILLED INFORMATION PROVIDED BY EGT.

**EQT PRODUCTION COMPANY
TAYLOR LEASE
1,600 ACRES±
WELL NO. WV 515279**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT) N. 280,830.2 E. 1,589,003.4
NAD'27 GEO. LAT-(N) 39.281928 LONG-(W) 80.951567
NAD'83 UTM (M) N. 4,345,853.8 E. 504,193.0

LANDING POINT

NAD'27 S.P.C.(FT) N. 280,507.8 E. 1,587,371.2
NAD'27 GEO. LAT-(N) 39.280971 LONG-(W) 80.957313
NAD'83 UTM (M) N. 4,345,747.2 E. 503,897.3

BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 283,244.8 E. 1,588,094.9
NAD'27 GEO. LAT-(N) 39.288428 LONG-(W) 80.981977
NAD'83 UTM (M) N. 4,346,574.6 E. 503,293.0

| | | | |
|---|-------------------------|----------|------------|
| A | DENNIS & KAREN BURCH | 1.93 AC± | TM 30-5.9 |
| B | MAYNARD F. HARRIS ET AL | 15.1 AC± | TM 30-5.2 |
| C | ELDWYN J. MCKINNEY | 0.97 AC± | TM 30-5.7 |
| D | HARLAN H. WYERS ET AL | 0.97 AC± | TM 30-5.8 |
| E | JODY M. DEVERICKS ET AL | 7 AC± | TM 30-5.10 |

**AS DRILLED COORDINATES
FOR WELL NO. WV 515279**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT) N. 280,830.2 E. 1,589,003.4
NAD'27 GEO. LAT-(N) 39.281928 LONG-(W) 80.951567
NAD'83 UTM (M) N. 4,345,853.8 E. 504,193.0

BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 283,244.8 E. 1,588,094.9
NAD'27 GEO. LAT-(N) 39.288428 LONG-(W) 80.981977
NAD'83 UTM (M) N. 4,346,574.6 E. 503,293.0



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
2288 *Earl N. Thompson*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE JANUARY 10, 20 14

REVISED APRIL 27, 20 15

OPERATORS WELL NO. WV 515279

API WELL NO. 47-085-10097H

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7496AD515279

PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,119' (PAD ELEVATION) WATERSHED LONG RUN OF NORTH FORK HUGHES RIVER

DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER DEWAYNE BRITTON ET UX ACREAGE 140.421

ROYALTY OWNER E. R. TAYLOR HEIRS ACREAGE 1,600±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TVD 6,395'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330

09/16/2016