

Well Operator's Report of Well Work



Where energy meets innovation.

Well Number: BLAKE 1H (519170)

API: 47 - 103 - 02910

Submission: Initial Amended

Notes: Please note that Stone Energy Corp. was responsible for the Top Set drilling operations on this well & submitted an initial WR-35 (Attached) at the conclusion of those operations. EQT performed the lateral production drilling operations and subsequent stimulation operations detailed in this amended Report. Please further note that stages 3, 9, 18 and 20 required re-perforations.

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection

519170 47-103-02910-00-00 Perforations

| Stage Number | Perforation Date | Top Perf Depth (ftKB) | Bottom Perf Depth (ftKB) | Number of Shots | Formation |
|--------------------------|-------------------------|------------------------------|---------------------------------|------------------------|------------------|
| Initiation Sleeve | 6/21/2018 | 12706 | 12708 | 10 | MARCELLUS |
| 2 | 6/26/2018 | 12,410 | 12,572 | 40 | MARCELLUS |
| 3 | 6/28/2018 | 12,137 | 12,372 | 40 | MARCELLUS |
| 4 | 6/29/2018 | 11,937 | 12,099 | 40 | MARCELLUS |
| 5 | 6/29/2018 | 11,737 | 11,899 | 40 | MARCELLUS |
| 6 | 6/30/2018 | 11,537 | 11,699 | 40 | MARCELLUS |
| 7 | 7/1/2018 | 11,337 | 11,499 | 40 | MARCELLUS |
| 8 | 7/2/2018 | 11,137 | 11,299 | 40 | MARCELLUS |
| 9 | 7/4/2018 | 10,937 | 11,099 | 40 | MARCELLUS |
| 10 | 7/4/2018 | 10,737 | 10,899 | 40 | MARCELLUS |
| 11 | 7/4/2018 | 10,537 | 10,699 | 40 | MARCELLUS |
| 12 | 7/6/2018 | 10,337 | 10,499 | 40 | MARCELLUS |
| 13 | 7/8/2018 | 10,137 | 10,299 | 40 | MARCELLUS |
| 14 | 7/9/2018 | 9,937 | 10,099 | 40 | MARCELLUS |
| 15 | 7/10/2018 | 9,737 | 9,899 | 40 | MARCELLUS |
| 16 | 7/11/2018 | 9,537 | 9,699 | 40 | MARCELLUS |
| 17 | 7/12/2018 | 9,337 | 9,499 | 40 | MARCELLUS |
| 18 | 7/15/2018 | 9,092 | 9,299 | 40 | MARCELLUS |
| 19 | 7/15/2018 | 8,892 | 9,054 | 40 | MARCELLUS |
| 20 | 7/16/2018 | 8,644 | 8,854 | 40 | MARCELLUS |
| 21 | 7/17/2018 | 8,444 | 8,606 | 40 | MARCELLUS |
| 22 | 7/17/2018 | 8,244 | 8,406 | 40 | MARCELLUS |
| 23 | 7/17/2018 | 8,044 | 8,206 | 40 | MARCELLUS |
| 24 | 7/18/2018 | 7,844 | 8,006 | 40 | MARCELLUS |
| 25 | 7/18/2018 | 7,644 | 7,806 | 40 | MARCELLUS |
| 26 | 7/19/2018 | 7,444 | 7,606 | 40 | MARCELLUS |

519170 47-103-02910-00-00 - Stimulated Stages

| Stage Number | Stimulation Date | Ave Pump Rate (BPM) | Ave Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|---------------------|-------------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------|---------------------------------|-------------------------------|---|
| 1 | 6/25/2018 | 77 | 8,511.00 | 9,399.00 | 3,811.00 | 270,420.00 | 10,221.20 | 0 |
| 2 | 6/27/2018 | 95 | 7,957.00 | 8,359.00 | 3,980.00 | 450,126.00 | 8,004.40 | 0 |
| 3 | 6/28/2018 | 17 | 8,298.00 | 9,601.00 | 3,721.00 | 25,300.00 | 13,098.00 | 0 |
| 3 | 6/28/2018 | 57 | 8,573.00 | 9,539.00 | 3,721.00 | 0.00 | 0.00 | 0 |
| 3 | 6/29/2018 | 9 | 7,537.00 | 8,652.00 | 4,545.00 | 0.00 | 0.00 | 0 |
| 4 | 6/29/2018 | 91 | 7,878.00 | 8,230.00 | 3,675.00 | 450,368.00 | 9,447.52 | 0 |
| 5 | 6/30/2018 | 97 | 8,268.00 | 9,423.00 | 3,178.00 | 452,500.00 | 7,768.20 | 0 |
| 6 | 7/1/2018 | 97 | 8,252.00 | 9,424.00 | 3,921.00 | 450,400.00 | 7,696.40 | 0 |
| 7 | 7/2/2018 | 82 | 7,863.00 | 9,523.00 | 3,318.00 | 452,200.00 | 7,563.00 | 0 |
| 8 | 7/2/2018 | 94 | 7,932.00 | 8,514.00 | 3,693.00 | 450,920.00 | 7,610.00 | 0 |
| 9 | 7/3/2018 | 15 | 7,113.00 | 9,468.00 | 0.00 | 455,449.00 | 18,516.00 | 0 |
| 9 | 7/3/2018 | 13 | 6,791.00 | 8,259.00 | 0.00 | 0.00 | 0.00 | 0 |
| 9 | 7/4/2018 | 90 | 8,297.00 | 9,227.00 | 3,686.00 | 0.00 | 0.00 | 0 |
| 10 | 7/4/2018 | 94 | 8,074.00 | 8,566.00 | 3,849.00 | 450,980.00 | 8,667.00 | 0 |
| 11 | 7/6/2018 | 89 | 7,793.00 | 8,427.00 | 3,747.00 | 450,040.00 | 13,171.90 | 0 |
| 12 | 7/8/2018 | 96 | 7,951.00 | 8,491.00 | 4,440.00 | 451,860.00 | 7,856.00 | 0 |
| 13 | 7/9/2018 | 97 | 7,978.00 | 8,270.00 | 3,830.00 | 450,140.00 | 7,631.60 | 0 |
| 14 | 7/10/2018 | 95 | 8,007.00 | 8,303.00 | 4,431.00 | 450,420.00 | 7,746.35 | 0 |
| 15 | 7/11/2018 | 77 | 8,221.00 | 8,711.00 | 4,202.00 | 450,100.00 | 12,349.96 | 0 |
| 16 | 7/12/2018 | 87 | 8,279.00 | 9,532.00 | 3,956.00 | 452,560.00 | 8,148.66 | 0 |
| 17 | 7/13/2018 | 95 | 7,577.00 | 8,148.00 | 3,970.00 | 450,800.00 | 7,852.80 | 0 |
| 18 | 7/15/2018 | 58 | 8,424.00 | 9,477.00 | 5,002.00 | 0.00 | 11,858.40 | 0 |
| 18 | 7/15/2018 | 89 | 7,924.00 | 9,152.00 | 3,542.00 | 455,260.00 | 0.00 | 0 |
| 19 | 7/16/2018 | 84 | 7,430.00 | 7,907.00 | 3,716.00 | 450,600.00 | 7,660.40 | 0 |
| 20 | 7/16/2018 | 29 | 8,618.00 | 9,444.00 | 4,777.00 | 0.00 | 11,718.80 | 0 |
| 20 | 7/16/2018 | 50 | 8,308.00 | 9,432.00 | 6,486.00 | 8,799.00 | 0.00 | 0 |
| 20 | 7/17/2018 | 13 | 5,069.00 | 7,522.00 | 5,150.00 | 0.00 | 10,843.00 | 0 |
| 21 | 7/17/2018 | 99 | 7,883.00 | 8,338.00 | 3,343.00 | 675,020.00 | 7,779.80 | 0 |
| 22 | 7/17/2018 | 87 | 7,289.00 | 8,017.00 | 3,755.00 | 450,260.00 | 7,625.80 | 0 |
| 23 | 7/18/2018 | 90 | 7,715.00 | 8,380.00 | 4,261.00 | 453,520.00 | 7,716.60 | 0 |
| 24 | 7/18/2018 | 90 | 7,452.00 | 8,291.00 | 4,688.00 | 450,500.00 | 7,736.50 | 0 |
| 25 | 7/19/2018 | 88 | 7,670.00 | 8,191.00 | 4,392.00 | 450,740.00 | 7,553.90 | 0 |
| 26 | 7/20/2018 | 91 | 7,272.00 | 7,688.00 | 3,674.00 | 450,440.00 | 243,842.19 | 0 |

RECEIVED
 Office of Oil and Gas
 OCT 18 2018
 NY Department of
 Environmental Protection

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

API 47-103-02910 County WETZEL District MAGNOLIA
Quad NEW MARTINSVILLE 7.5' Pad Name BLAKE (NMA12) Field/Pool Name N/A
Farm name GARY LEMONS Well Number BLAKE 1H (519170)
Operator (as registered with the OOG) EQT Production Company
Address 625 LIBERTY AVENUE, 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 4,388,559.493 Easting 517,292.676
Landing Point of Curve Northing 4,388,592.826 Easting 516,788.511
Bottom Hole Northing 4,389,865.542 Easting 515,937.465

Elevation (ft) 1298 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 Based Mud 13.2 ppg, aliphatic based non-aqueous drilling fluid, barium sulfate, calcium chloride, organophylic clay, quaternary ammonium clay, gilsonite, blended emulsifier, wetting agent, blended graphite, hydrated lime, calcium carbonate, ground walnut shells, fibrous cellulose.

Date permit issued 05/18/2018 Date drilling commenced 05/29/2018 Date drilling ceased 06/01/2018
Date completion activities began 6/25/2018 Date completion activities ceased 07/20/2018
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection

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

Freshwater depth(s) ft 90 Open mine(s) (Y/N) depths N
Salt water depth(s) ft None Reported Void(s) encountered (Y/N) depths N
Coal depth(s) ft 932 and 1003 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
DmH

Reviewea

WR-35
Rev. 8/23/13

API 47-103 - 02910 Farm name GARY LEMONS Well number BLAKE 1H (519170)

| 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 | | | | | | | |
| Surface | | | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8-3/4" & 8-1/2" | 5 1/2" | 12732' | NEW | P-110 20# | N/A | N |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details Production Cement job has calculated TOC of 3395' MD, which is greater than 500' TVD above the producing formation. No issues during cement job.

| 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 | | | | | | | |
| Surface | | | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | Class A | 1819 | 15.6 | 1.19 | 2165 | 3395' | 8 |
| Tubing | | | | | | | |

Drillers TD (ft) 12,740' 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) 5225' 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 _____

PRODUCTION: ON SHOE TRACK AND EVERY JOINT TO 5081' AND EVERY 3RD JOINT TO 2448'

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 _____

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of Environmental Protection

11/16/2018

WR-35
Rev. 8/23/13

Page ___ of ___

API 47- 103 - 02910 Farm name GARY LEMONS Well number BLAKE 1H (519170)

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

Logging Company _____
Address _____ City _____ State _____ Zip _____

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection

11/16/2018

| Final Formations | | Well# 519170 | API# 47-103-02910-00-00 | |
|------------------|---------------------|------------------------|-------------------------|------------------------|
| Formation Name | Drill Top MD (ftKB) | Drill Top (TVD) (ftKB) | Drill Btm MD (ftKB) | Drill Btm (TVD) (ftKB) |
| SAND / SHALE | 3073 | 3073 | 4818 | 4806 |
| RILEY | 4818 | 4806 | 4891 | 4879 |
| SAND / SHALE | 4891 | 4879 | 5279 | 5267 |
| BENSON | 5279 | 5267 | 5330 | 5318 |
| SAND / SHALE | 5330 | 5318 | 5545 | 5525 |
| ALEXANDER | 5545 | 5525 | 5585 | 5562 |
| ELKS | 5585 | 5562 | 6917 | 6577 |
| SONYEA | 6917 | 6577 | 7041 | 6664 |
| MIDDLESEX | 7041 | 6664 | 7082 | 6689 |
| GENESEE | 7082 | 6689 | 7199 | 6746 |
| GENESEO | 7199 | 6746 | 7250 | 6767 |
| TULLY | 7250 | 6767 | 7318 | 6792 |
| HAMILTON | 7318 | 6792 | 7524 | 6842 |
| MARCELLUS | 7524 | 6842 | 12740 | 6854 |

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection

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

API 47-103-02910 County Wetzel District Magnolia
Quad New Martinsville Pad Name Blake Field Pool Name Mary
Farm name Lemons, Gary Well Number #1H
Operator (as registered with the OOG) Stone Energy Corporation
Address 1300 Fort Pierpont Dr. - Suite 201 City Morgantown State WV Zip 26508

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4388.559 Easting 517.293
Landing Point of Curve Northing TBD - Only Top Hole Drilled Easting TBD - Only Top Hole Drilled
Bottom Hole Northing TBD - Only Top Hole Drilled Easting TBD - Only Top Hole Drilled

Elevation (ft) 1293 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Air Drilling additives: air, fresh water, soda ash, KCl, clay guard, PAC, foamer, corrosion inhibitor

Date permit issued 9/25/2013 Date drilling commenced 2/20/2014 Date drilling ceased 2/27/2014
Date completion activities began Not yet completed Date completion activities ceased
Verbal plugging (Y/N) N Date permission granted Granted by

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

Freshwater depth(s) ft 90 Open mine(s) (Y/N) depths N
Salt water depth(s) ft None Reported Void(s) encountered (Y/N) depths N
Coal depth(s) ft 932 and 1003 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

NAME: [Signature]
DATE: 5-25-17

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection
Reviewed by [Signature]

WR-35
Rev. 8/23/13

API 47-103 - 02910 Farm name Lemons, Gary Well number #1H

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade w/ft | Basket Depth(s) | Did cement circulate (Y/N) * Provide details below* |
|---------------------------|-----------|---|---------------------|-------------|----------------|-----------------|--|
| Conductor | 24" | 20" | 80' KB / 80' GL | New | LS - 84 ppf | | N - GTS |
| Surface | 17.5" | 13.375" | 1302' KB / 1282' GL | New | J55 - 54.5 ppf | 100' & 200' | Y - CTS |
| Coal | 17.5" | 13.375" | 1302' KB / 1282' GL | New | J55 - 54.5 ppf | 100' & 200' | Y - CTS |
| Intermediate 1 | 12.25" | 9.625" | 2541' KB / 2531' GL | New | J55 - 38 ppf | | Y - CTS |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | | | | | | |
| Tubing | | | | | | | |
| Packer type and depth set | | 13.375" x 9.625" annulus inflatable packer set @ 1214' KB | | | | | |

Comment Details Circulated 35 bbls cement to surface on the 13.375" casing string. Circulated 35 bbls cement to surface on the 9.625" casing string.

| 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 | Type 1 | 34 | 15.6 | 1.18 | 40 | Surface | 24+ |
| Surface | Class A | 840 | 15.6 | 1.20 | 1008 | Surface | 8 |
| Coal | Class A | 840 | 15.6 | 1.20 | 1008 | Surface | 8 |
| Intermediate 1 | Class A | Least: 560 / Tail: 230 | Least: 15.6 / Tail: 15.6 | Least: 1.22 / Tail: 1.21 | Least: 865 / Tail: 278 | Surface | 8 |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | | | | | | |
| Tubing | | | | | | | |

Drillers TD (ft) 4832 MD / 4620 TVD Loggers TD (ft) N/A
 Deepest formation penetrated Devonian Shale Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) TSD - only top hole drilled _____

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 has bow spring centralizers placed on
 joints 2, 4, 10, 14, 18, 22, 26 and 30 Intermediate casing has bow spring centralizers placed on joints 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56 and 60.

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 _____

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection

WR-35
Rev. 8/23/13

API # 47-103-02910

Farm name Lemons, Gary

Well number #1H

PRODUCING FORMATION(S)

DEPTHS

Not yet completed _____ TVD _____ MID _____
Not yet producing _____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd GAS MEASURED BY
 Estimated Orifice Pilot

| LITHOLOGY FORMATION | TOP | BOTTOM | TOP | BOTTOM | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, ETC.) |
|------------------------|----------------------|-----------------|-----------------|-----------------|--|
| | DEPTH IN NAME TVD | DEPTH IN TVD | DEPTH IN MID | DEPTH IN MID | |
| Sandstone & Shale | 0 | 932 | 0 | 932 | Fresh water @ 90' |
| Coal | 932 | 937 | 932 | 937 | |
| Sandstone & Shale | 937 | 1003 | 937 | 1003 | No salt water reported |
| Coal | 1003 | 1010 | 1003 | 1010 | |
| Sandstone & Shale | 1010 | 2216 | 1010 | 2216 | |
| Big Lime | 2216 | 2331 | 2216 | 2331 | |
| Big Injun | 2331 | 2416 | 2331 | 2416 | |
| Sandstone & Shale | 2416 | 2786 | 2416 | 2786 | |
| Berea Sandstone | 2786 | 2795 | 2786 | 2795 | |
| Shale | 2795 | 3036 | 2795 | 3036 | |
| Gordon | 3036 | 3060 | 3036 | 3060 | |
| Unconf. Devonian Shale | 3060 | 4620 | 3060 | 4632 | |
| | | | | | |
| | | | | | |

Please insert additional pages as applicable.

Drilling Contractor Highlands (top hole)

Address 900 Virginia Street - East City Charleston State WV Zip 25301

Logging Company Scientific Drilling (top hole)

Address 124 Vista Drive City Charlertoi State PA Zip 15022

Cementing Company Halliburton (top hole)

Address 121 Champ-on Way City Canonsturg State PA Zip 15317

Stimulating Company

Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Greg Zofchak

Signature *Greg Zofchak* Title Drilling Engineer

Telephone 304-225-1600

Date 3/6/2017

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 1 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| REPORT SETUP INFORMATION | | | |
|--------------------------|---|----------------------|---|
| Projection System | NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet | Software System | WellArchitect® 5.1 |
| North Reference | Grid | User | Jacostec |
| Scale | 0.999941 | Report Generated | 6/6/2018 at 2:13:57 PM |
| Convergence at slot | 0.83° West | Database/Source file | WA_MPL_EASTERNUS_Defn/Blake_1H_519170_AWP_Proj_12740_.xml |

| WELLPATH LOCATION | | | | | | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|----------------|
| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | -0.72 | 0.43 | 1634328.43 | 420249.28 | 39°38'47.654"N | 80°47'55.062"W |
| Facility Reference Pt | | | 1634328.00 | 420250.00 | 39°38'47.661"N | 80°47'55.068"W |
| Field Reference Pt | | | 1688243.35 | 385255.46 | 39°33'08.944"N | 80°36'20.337"W |

| WELLPATH DATUM | | | |
|--------------------------|---------------------|---|-------------------|
| Calculation method | Minimum curvature | Precision 539 (RKB) to Facility Vertical Datum | 1316.00ft |
| Horizontal Reference Pt | Slot | Precision 539 (RKB) to Mean Sea Level | 1316.00ft |
| Vertical Reference Pt | Precision 539 (RKB) | Precision 539 (RKB) to Mud Line at Slot (Slot 1H) | 18.00ft |
| MD Reference Pt | Precision 539 (RKB) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 314.66° |



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 2 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) † = interpolated/extrapolated station | | | | | | | | | | |
|--|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 0.00† | 0.000 | 304.590 | 0.00 | -1316.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18.00 | 0.000 | 304.590 | 18.00 | -1298.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118.00 | 0.550 | 304.590 | 118.00 | -1198.00 | 0.47 | 0.27 | -0.40 | 0.55 | 0.55 | -55.41 |
| 143.00 | 0.560 | 309.360 | 143.00 | -1173.00 | 0.71 | 0.42 | -0.59 | 0.19 | 0.04 | 19.08 |
| 168.00 | 0.680 | 307.670 | 168.00 | -1148.00 | 0.98 | 0.59 | -0.80 | 0.49 | 0.48 | -6.76 |
| 193.00 | 0.810 | 304.630 | 192.99 | -1123.01 | 1.30 | 0.78 | -1.06 | 0.54 | 0.52 | -12.16 |
| 218.00 | 0.810 | 304.330 | 217.99 | -1098.01 | 1.65 | 0.98 | -1.35 | 0.02 | 0.00 | -1.20 |
| 243.00 | 0.680 | 311.960 | 242.99 | -1073.01 | 1.97 | 1.18 | -1.61 | 0.65 | -0.52 | 30.52 |
| 268.00 | 0.620 | 311.370 | 267.99 | -1048.01 | 2.26 | 1.36 | -1.82 | 0.24 | -0.24 | -2.36 |
| 293.00 | 0.510 | 299.590 | 292.99 | -1023.01 | 2.50 | 1.51 | -2.02 | 0.64 | -0.44 | -47.12 |
| 318.00 | 0.660 | 297.440 | 317.98 | -998.02 | 2.74 | 1.63 | -2.25 | 0.61 | 0.60 | -8.60 |
| 343.00 | 0.660 | 305.070 | 342.98 | -973.02 | 3.02 | 1.78 | -2.49 | 0.35 | 0.00 | 30.52 |
| 368.00 | 0.620 | 314.660 | 367.98 | -948.02 | 3.30 | 1.96 | -2.70 | 0.46 | -0.16 | 38.36 |
| 393.00 | 0.750 | 311.580 | 392.98 | -923.02 | 3.60 | 2.16 | -2.92 | 0.54 | 0.52 | -12.32 |
| 418.00 | 0.690 | 315.660 | 417.98 | -898.02 | 3.91 | 2.38 | -3.15 | 0.32 | -0.24 | 16.32 |
| 443.00 | 0.660 | 311.580 | 442.98 | -873.02 | 4.21 | 2.58 | -3.36 | 0.23 | -0.12 | -16.32 |
| 468.00 | 0.630 | 311.420 | 467.97 | -848.03 | 4.49 | 2.77 | -3.57 | 0.12 | -0.12 | -0.64 |
| 493.00 | 0.620 | 317.620 | 492.97 | -823.03 | 4.76 | 2.96 | -3.77 | 0.27 | -0.04 | 24.80 |
| 518.00 | 0.690 | 309.750 | 517.97 | -798.03 | 5.04 | 3.15 | -3.98 | 0.46 | 0.28 | -31.48 |
| 543.00 | 0.580 | 305.470 | 542.97 | -773.03 | 5.32 | 3.32 | -4.19 | 0.48 | -0.44 | -17.12 |
| 568.00 | 0.610 | 312.110 | 567.97 | -748.03 | 5.58 | 3.49 | -4.40 | 0.30 | 0.12 | 26.56 |
| 593.00 | 0.560 | 299.490 | 592.97 | -723.03 | 5.83 | 3.64 | -4.60 | 0.55 | -0.20 | -50.48 |
| 618.00 | 0.510 | 306.650 | 617.97 | -698.03 | 6.06 | 3.76 | -4.80 | 0.33 | -0.20 | 28.64 |
| 643.00 | 0.540 | 310.430 | 642.97 | -673.03 | 6.28 | 3.91 | -4.98 | 0.18 | 0.12 | 15.12 |
| 668.00 | 0.570 | 317.510 | 667.96 | -648.04 | 6.53 | 4.07 | -5.15 | 0.30 | 0.12 | 28.32 |
| 693.00 | 0.500 | 319.300 | 692.96 | -623.04 | 6.76 | 4.25 | -5.30 | 0.29 | -0.28 | 7.16 |
| 718.00 | 0.480 | 313.090 | 717.96 | -598.04 | 6.97 | 4.40 | -5.45 | 0.23 | -0.08 | -24.84 |
| 743.00 | 0.480 | 327.520 | 742.96 | -573.04 | 7.18 | 4.56 | -5.59 | 0.48 | 0.00 | 57.72 |
| 768.00 | 0.560 | 333.890 | 767.96 | -548.04 | 7.40 | 4.76 | -5.70 | 0.39 | 0.32 | 25.48 |
| 793.00 | 0.620 | 328.000 | 792.96 | -523.04 | 7.64 | 4.98 | -5.82 | 0.34 | 0.24 | -23.56 |

ENVIRONMENTAL
 PROJECT OF
 PRODUCTION
 8 2018
 OIL AND GAS
 REVIEWED



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 3 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 818.00 | 0.610 | 321.030 | 817.96 | -498.04 | 7.91 | 5.20 | -5.98 | 0.30 | -0.04 | -27.88 |
| 843.00 | 0.590 | 320.940 | 842.96 | -473.04 | 8.17 | 5.41 | -6.14 | 0.08 | -0.08 | -0.36 |
| 868.00 | 0.680 | 332.590 | 867.95 | -448.05 | 8.44 | 5.64 | -6.29 | 0.63 | 0.36 | 46.60 |
| 893.00 | 0.750 | 329.660 | 892.95 | -423.05 | 8.74 | 5.91 | -6.44 | 0.32 | 0.28 | -11.72 |
| 918.00 | 0.730 | 335.150 | 917.95 | -398.05 | 9.04 | 6.20 | -6.59 | 0.29 | -0.08 | 21.96 |
| 943.00 | 0.770 | 329.510 | 942.95 | -373.05 | 9.35 | 6.49 | -6.74 | 0.34 | 0.16 | -22.56 |
| 968.00 | 0.840 | 333.100 | 967.95 | -348.05 | 9.69 | 6.79 | -6.91 | 0.34 | 0.28 | 14.36 |
| 993.00 | 0.770 | 325.430 | 992.94 | -323.06 | 10.03 | 7.10 | -7.09 | 0.51 | -0.28 | -30.68 |
| 1018.00 | 0.680 | 327.980 | 1017.94 | -298.06 | 10.34 | 7.36 | -7.26 | 0.38 | -0.36 | 10.20 |
| 1043.00 | 0.740 | 326.370 | 1042.94 | -273.06 | 10.64 | 7.62 | -7.43 | 0.25 | 0.24 | -6.44 |
| 1068.00 | 0.760 | 322.160 | 1067.94 | -248.06 | 10.96 | 7.88 | -7.62 | 0.23 | 0.08 | -16.84 |
| 1093.00 | 0.790 | 327.490 | 1092.94 | -223.06 | 11.30 | 8.16 | -7.82 | 0.31 | 0.12 | 21.32 |
| 1118.00 | 0.790 | 327.540 | 1117.93 | -198.07 | 11.63 | 8.45 | -8.00 | 0.00 | 0.00 | 0.20 |
| 1143.00 | 0.790 | 320.260 | 1142.93 | -173.07 | 11.97 | 8.73 | -8.20 | 0.40 | 0.00 | -29.12 |
| 1168.00 | 0.780 | 321.670 | 1167.93 | -148.07 | 12.31 | 9.00 | -8.42 | 0.09 | -0.04 | 5.64 |
| 1193.00 | 0.780 | 322.360 | 1192.93 | -123.07 | 12.65 | 9.26 | -8.63 | 0.04 | 0.00 | 2.76 |
| 1218.00 | 0.780 | 322.630 | 1217.92 | -98.08 | 12.99 | 9.53 | -8.84 | 0.01 | 0.00 | 1.08 |
| 1243.00 | 0.790 | 329.890 | 1242.92 | -73.08 | 13.32 | 9.82 | -9.03 | 0.40 | 0.04 | 29.04 |
| 1268.00 | 0.840 | 326.900 | 1267.92 | -48.08 | 13.67 | 10.12 | -9.21 | 0.26 | 0.20 | -11.96 |
| 1293.00 | 0.870 | 326.630 | 1292.92 | -23.08 | 14.03 | 10.43 | -9.42 | 0.12 | 0.12 | -1.08 |
| 1318.00 | 0.960 | 318.700 | 1317.91 | 1.91 | 14.43 | 10.75 | -9.66 | 0.62 | 0.36 | -31.72 |
| 1343.00 | 0.860 | 321.520 | 1342.91 | 26.91 | 14.82 | 11.05 | -9.92 | 0.44 | -0.40 | 11.28 |
| 1368.00 | 0.750 | 338.530 | 1367.91 | 51.91 | 15.16 | 11.35 | -10.09 | 1.05 | -0.44 | 68.04 |
| 1393.00 | 0.840 | 334.280 | 1392.90 | 76.90 | 15.48 | 11.67 | -10.23 | 0.43 | 0.36 | -17.00 |
| 1418.00 | 0.910 | 326.920 | 1417.90 | 101.90 | 15.85 | 12.00 | -10.42 | 0.53 | 0.28 | -29.44 |
| 1443.00 | 0.860 | 325.380 | 1442.90 | 126.90 | 16.22 | 12.32 | -10.63 | 0.22 | -0.20 | -6.16 |
| 1468.00 | 0.760 | 333.820 | 1467.90 | 151.90 | 16.57 | 12.62 | -10.81 | 0.62 | -0.40 | 33.76 |
| 1493.00 | 0.770 | 336.540 | 1492.89 | 176.89 | 16.88 | 12.93 | -10.95 | 0.15 | 0.04 | 10.88 |
| 1518.00 | 0.670 | 326.520 | 1517.89 | 201.89 | 17.18 | 13.20 | -11.10 | 0.64 | -0.40 | -40.08 |
| 1543.00 | 0.670 | 340.480 | 1542.89 | 226.89 | 17.45 | 13.46 | -11.23 | 0.65 | 0.00 | 55.84 |

RECEIVED
 Department of
 Oil and Gas
 11/18/2018



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 4 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 1568.00 | 0.790 | 339.510 | 1567.89 | 251.89 | 17.74 | 13.76 | -11.34 | 0.48 | 0.48 | -3.88 |
| 1593.00 | 0.740 | 337.620 | 1592.89 | 276.89 | 18.04 | 14.07 | -11.46 | 0.22 | -0.20 | -7.56 |
| 1618.00 | 0.740 | 342.700 | 1617.88 | 301.88 | 18.34 | 14.38 | -11.57 | 0.26 | 0.00 | 20.32 |
| 1643.00 | 0.790 | 336.690 | 1642.88 | 326.88 | 18.64 | 14.69 | -11.69 | 0.38 | 0.20 | -24.04 |
| 1668.00 | 0.900 | 339.950 | 1667.88 | 351.88 | 18.98 | 15.03 | -11.82 | 0.48 | 0.44 | 13.04 |
| 1693.00 | 0.760 | 335.980 | 1692.88 | 376.88 | 19.31 | 15.37 | -11.96 | 0.61 | -0.56 | -15.88 |
| 1718.00 | 0.600 | 345.880 | 1717.87 | 401.87 | 19.57 | 15.65 | -12.06 | 0.79 | -0.64 | 39.60 |
| 1743.00 | 0.500 | 355.120 | 1742.87 | 426.87 | 19.77 | 15.88 | -12.10 | 0.53 | -0.40 | 36.96 |
| 1768.00 | 0.540 | 346.140 | 1767.87 | 451.87 | 19.95 | 16.10 | -12.14 | 0.36 | 0.16 | -35.92 |
| 1793.00 | 0.560 | 316.360 | 1792.87 | 476.87 | 20.17 | 16.31 | -12.25 | 1.13 | 0.08 | -119.12 |
| 1818.00 | 0.610 | 342.430 | 1817.87 | 501.87 | 20.41 | 16.52 | -12.37 | 1.07 | 0.20 | 104.28 |
| 1843.00 | 0.580 | 342.540 | 1842.87 | 526.87 | 20.64 | 16.77 | -12.45 | 0.12 | -0.12 | 0.44 |
| 1868.00 | 0.470 | 332.450 | 1867.87 | 551.87 | 20.85 | 16.98 | -12.54 | 0.57 | -0.44 | -40.36 |
| 1893.00 | 0.340 | 357.210 | 1892.87 | 576.87 | 21.01 | 17.15 | -12.59 | 0.86 | -0.52 | 99.04 |
| 1918.00 | 0.380 | 355.270 | 1917.87 | 601.87 | 21.12 | 17.30 | -12.60 | 0.17 | 0.16 | -7.76 |
| 1943.00 | 0.310 | 357.660 | 1942.87 | 626.87 | 21.24 | 17.45 | -12.61 | 0.29 | -0.28 | 9.56 |
| 1968.00 | 0.250 | 12.250 | 1967.87 | 651.87 | 21.31 | 17.57 | -12.60 | 0.37 | -0.24 | 58.36 |
| 1993.00 | 0.090 | 351.510 | 1992.87 | 676.87 | 21.36 | 17.65 | -12.59 | 0.68 | -0.64 | -82.96 |
| 2018.00 | 0.070 | 342.240 | 2017.87 | 701.87 | 21.39 | 17.68 | -12.60 | 0.10 | -0.08 | -37.08 |
| 2043.00 | 0.220 | 58.270 | 2042.87 | 726.87 | 21.39 | 17.72 | -12.56 | 0.86 | 0.60 | 304.12 |
| 2068.00 | 0.160 | 359.850 | 2067.87 | 751.87 | 21.40 | 17.78 | -12.52 | 0.77 | -0.24 | -233.68 |
| 2093.00 | 0.070 | 326.090 | 2092.87 | 776.87 | 21.44 | 17.83 | -12.53 | 0.44 | -0.36 | -135.04 |
| 2118.00 | 0.120 | 342.240 | 2117.87 | 801.87 | 21.48 | 17.87 | -12.55 | 0.22 | 0.20 | 64.60 |
| 2143.00 | 0.120 | 96.070 | 2142.87 | 826.87 | 21.49 | 17.89 | -12.53 | 0.80 | 0.00 | 455.32 |
| 2168.00 | 0.330 | 112.190 | 2167.87 | 851.87 | 21.40 | 17.86 | -12.44 | 0.87 | 0.84 | 64.48 |
| 2193.00 | 0.500 | 134.530 | 2192.86 | 876.86 | 21.22 | 17.76 | -12.29 | 0.93 | 0.68 | 89.36 |
| 2218.00 | 0.530 | 136.380 | 2217.86 | 901.86 | 21.00 | 17.60 | -12.13 | 0.14 | 0.12 | 7.40 |
| 2243.00 | 0.430 | 133.430 | 2242.86 | 926.86 | 20.79 | 17.45 | -11.99 | 0.41 | -0.40 | -11.80 |
| 2268.00 | 0.650 | 138.480 | 2267.86 | 951.86 | 20.55 | 17.28 | -11.82 | 0.90 | 0.88 | 20.20 |
| 2293.00 | 0.600 | 146.990 | 2292.86 | 976.86 | 20.28 | 17.06 | -11.66 | 0.42 | -0.20 | 34.04 |



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 5 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 2318.00 | 0.680 | 140.930 | 2317.86 | 1001.86 | 20.01 | 16.84 | -11.49 | 0.42 | 0.32 | -24.24 |
| 2343.00 | 0.560 | 153.220 | 2342.86 | 1026.86 | 19.75 | 16.61 | -11.34 | 0.71 | -0.48 | 49.16 |
| 2368.00 | 0.510 | 134.620 | 2367.86 | 1051.86 | 19.52 | 16.42 | -11.21 | 0.72 | -0.20 | -74.40 |
| 2393.00 | 0.500 | 128.600 | 2392.85 | 1076.85 | 19.30 | 16.28 | -11.05 | 0.22 | -0.04 | -24.08 |
| 2418.00 | 0.620 | 136.590 | 2417.85 | 1101.85 | 19.05 | 16.11 | -10.87 | 0.57 | 0.48 | 31.96 |
| 2443.00 | 0.600 | 123.080 | 2442.85 | 1126.85 | 18.79 | 15.94 | -10.67 | 0.58 | -0.08 | -54.04 |
| 2468.00 | 0.590 | 128.430 | 2467.85 | 1151.85 | 18.54 | 15.79 | -10.45 | 0.23 | -0.04 | 21.40 |
| 2493.00 | 0.550 | 127.280 | 2492.85 | 1176.85 | 18.29 | 15.64 | -10.26 | 0.17 | -0.16 | -4.60 |
| 2518.00 | 0.380 | 113.030 | 2517.85 | 1201.85 | 18.09 | 15.53 | -10.09 | 0.82 | -0.68 | -57.00 |
| 2583.00 | 0.672 | 130.112 | 2582.85 | 1266.85 | 17.51 | 15.20 | -9.60 | 0.51 | 0.45 | 26.28 |
| 2590.99 | 0.710 | 131.220 | 2590.84 | 1274.84 | 17.42 | 15.14 | -9.52 | 0.50 | 0.48 | 13.87 |
| 2684.99 | 0.590 | 169.870 | 2684.83 | 1368.83 | 16.44 | 14.28 | -9.00 | 0.47 | -0.13 | 41.12 |
| 2779.99 | 1.360 | 219.260 | 2779.82 | 1463.82 | 15.93 | 12.93 | -9.63 | 1.13 | 0.81 | 51.99 |
| 2873.99 | 2.170 | 241.290 | 2873.77 | 1557.77 | 16.34 | 11.21 | -11.89 | 1.11 | 0.86 | 23.44 |
| 2967.99 | 3.090 | 244.390 | 2967.67 | 1651.67 | 17.70 | 9.26 | -15.74 | 0.99 | 0.98 | 3.30 |
| 3061.99 | 3.430 | 245.890 | 3061.52 | 1745.52 | 19.58 | 7.01 | -20.59 | 0.37 | 0.36 | 1.60 |
| 3156.99 | 4.380 | 254.270 | 3156.30 | 1840.30 | 22.40 | 4.87 | -26.68 | 1.16 | 1.00 | 8.82 |
| 3249.99 | 4.850 | 257.720 | 3249.00 | 1933.00 | 26.30 | 3.07 | -33.94 | 0.59 | 0.51 | 3.71 |
| 3343.99 | 6.070 | 260.780 | 3342.57 | 2026.57 | 31.39 | 1.43 | -42.73 | 1.33 | 1.30 | 3.26 |
| 3438.99 | 7.100 | 257.400 | 3436.94 | 2120.94 | 37.53 | -0.66 | -53.41 | 1.16 | 1.08 | -3.56 |
| 3532.99 | 7.580 | 257.720 | 3530.17 | 2214.17 | 44.05 | -3.24 | -65.14 | 0.51 | 0.51 | 0.34 |
| 3626.99 | 7.630 | 255.200 | 3623.34 | 2307.34 | 50.61 | -6.16 | -77.23 | 0.36 | 0.05 | -2.68 |
| 3720.99 | 7.880 | 258.600 | 3716.49 | 2400.49 | 57.38 | -9.02 | -89.58 | 0.56 | 0.27 | 3.62 |
| 3814.99 | 7.720 | 261.070 | 3809.62 | 2493.62 | 64.72 | -11.28 | -102.14 | 0.40 | -0.17 | 2.63 |
| 3909.99 | 6.870 | 267.050 | 3903.85 | 2587.85 | 72.34 | -12.56 | -114.11 | 1.20 | -0.89 | 6.29 |
| 4003.99 | 6.690 | 266.920 | 3997.19 | 2681.19 | 79.81 | -13.14 | -125.20 | 0.19 | -0.19 | -0.14 |
| 4097.99 | 7.000 | 265.310 | 4090.52 | 2774.52 | 87.23 | -13.91 | -136.37 | 0.39 | 0.33 | -1.71 |
| 4192.99 | 7.040 | 263.310 | 4184.81 | 2868.81 | 94.63 | -15.06 | -147.92 | 0.26 | 0.04 | -2.11 |
| 4286.99 | 6.890 | 259.860 | 4278.11 | 2962.11 | 101.48 | -16.72 | -159.20 | 0.47 | -0.16 | -3.67 |
| 4380.99 | 7.180 | 259.790 | 4371.41 | 3055.41 | 108.11 | -18.76 | -170.53 | 0.31 | 0.31 | -0.07 |

WV Department of Environmental Protection

OCT 18 2018

Office of Oil and Gas



Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 6 of 10



Where energy meets innovation.

| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 4476.00 | 6.910 | 258.090 | 4465.70 | 3149.70 | 114.68 | -20.99 | -181.96 | 0.36 | -0.28 | -1.79 |
| 4626.00 | 6.930 | 253.920 | 4614.61 | 3298.61 | 124.07 | -25.36 | -199.49 | 0.34 | 0.01 | -2.78 |
| 4654.00 | 6.980 | 252.710 | 4642.40 | 3326.40 | 125.70 | -26.33 | -202.74 | 0.55 | 0.18 | -4.32 |
| 4744.00 | 3.690 | 227.800 | 4732.01 | 3416.01 | 128.43 | -29.90 | -210.10 | 4.39 | -3.66 | -27.68 |
| 4833.00 | 0.450 | 208.260 | 4820.94 | 3504.94 | 128.49 | -32.13 | -212.39 | 3.67 | -3.64 | -21.96 |
| 4923.00 | 0.040 | 155.430 | 4910.94 | 3594.94 | 128.36 | -32.47 | -212.55 | 0.47 | -0.46 | -58.70 |
| 5012.00 | 0.060 | 358.980 | 4999.94 | 3683.94 | 128.36 | -32.46 | -212.53 | 0.11 | 0.02 | -175.79 |
| 5102.00 | 0.100 | 244.100 | 5089.94 | 3773.94 | 128.42 | -32.44 | -212.61 | 0.15 | 0.04 | -127.64 |
| 5192.00 | 0.110 | 344.960 | 5179.94 | 3863.94 | 128.52 | -32.39 | -212.70 | 0.18 | 0.01 | 112.07 |
| 5225.00 | 0.090 | 15.780 | 5212.94 | 3896.94 | 128.56 | -32.34 | -212.70 | 0.17 | -0.06 | 93.39 |
| 5281.00 | 2.770 | 253.900 | 5268.92 | 3952.92 | 129.24 | -32.67 | -213.99 | 5.03 | 4.79 | -217.64 |
| 5327.00 | 7.200 | 256.590 | 5314.73 | 3998.73 | 131.31 | -33.65 | -217.86 | 9.64 | 9.63 | 5.85 |
| 5371.00 | 10.290 | 258.670 | 5358.22 | 4042.22 | 134.97 | -35.06 | -224.40 | 7.06 | 7.02 | 4.73 |
| 5418.00 | 13.200 | 252.500 | 5404.23 | 4088.23 | 139.82 | -37.50 | -233.64 | 6.74 | 6.19 | -13.13 |
| 5461.00 | 15.790 | 250.140 | 5445.86 | 4129.86 | 144.63 | -40.96 | -243.82 | 6.18 | 6.02 | -5.49 |
| 5550.00 | 22.190 | 252.350 | 5529.97 | 4213.97 | 157.67 | -50.18 | -271.26 | 7.24 | 7.19 | 2.48 |
| 5640.00 | 30.270 | 255.720 | 5610.64 | 4294.64 | 177.30 | -60.95 | -309.50 | 9.13 | 8.98 | 3.74 |
| 5729.00 | 39.270 | 258.220 | 5683.68 | 4367.68 | 204.50 | -72.26 | -358.92 | 10.24 | 10.11 | 2.81 |
| 5819.00 | 41.400 | 257.960 | 5752.28 | 4436.28 | 236.59 | -84.28 | -415.91 | 2.37 | 2.37 | -0.29 |
| 5908.00 | 41.330 | 257.420 | 5819.08 | 4503.08 | 268.65 | -96.82 | -473.37 | 0.41 | -0.08 | -0.61 |
| 5998.00 | 41.290 | 256.960 | 5886.68 | 4570.68 | 300.60 | -109.99 | -531.31 | 0.34 | -0.04 | -0.51 |
| 6088.00 | 41.390 | 255.600 | 5954.25 | 4638.25 | 331.76 | -124.09 | -589.06 | 1.00 | 0.11 | -1.51 |
| 6177.00 | 41.280 | 254.070 | 6021.08 | 4705.08 | 361.31 | -139.47 | -645.79 | 1.14 | -0.12 | -1.72 |
| 6267.00 | 41.390 | 252.570 | 6088.66 | 4772.66 | 389.82 | -156.53 | -702.72 | 1.11 | 0.12 | -1.67 |
| 6356.00 | 41.290 | 251.920 | 6155.48 | 4839.48 | 417.04 | -174.46 | -758.71 | 0.50 | -0.11 | -0.73 |
| 6446.00 | 41.380 | 252.570 | 6223.06 | 4907.06 | 444.56 | -192.58 | -815.32 | 0.49 | 0.10 | 0.72 |
| 6535.00 | 41.130 | 252.180 | 6289.97 | 4973.97 | 471.86 | -210.35 | -871.25 | 0.40 | -0.28 | -0.44 |
| 6625.00 | 41.230 | 252.240 | 6357.71 | 5041.71 | 499.27 | -228.46 | -927.68 | 0.12 | 0.11 | 0.07 |
| 6714.00 | 41.140 | 250.990 | 6424.69 | 5108.69 | 525.83 | -246.94 | -983.29 | 0.93 | -0.10 | -1.40 |
| 6804.00 | 41.070 | 254.270 | 6492.51 | 5176.51 | 553.57 | -264.60 | -1039.74 | 2.40 | -0.08 | 3.64 |

RECEIVED
 Office of Oil and Gas
 OCT 18 2018



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 7 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 6849.00 | 41.340 | 261.730 | 6526.39 | 5210.39 | 569.84 | -270.75 | -1068.70 | 10.93 | 0.60 | 16.58 |
| 6893.00 | 42.140 | 269.350 | 6559.24 | 5243.24 | 589.00 | -273.01 | -1097.86 | 11.67 | 1.82 | 17.32 |
| 6938.00 | 42.580 | 275.760 | 6592.51 | 5276.51 | 611.47 | -271.65 | -1128.11 | 9.64 | 0.98 | 14.24 |
| 6983.00 | 44.900 | 281.320 | 6625.03 | 5309.03 | 636.60 | -267.00 | -1158.85 | 9.97 | 5.16 | 12.36 |
| 7030.00 | 49.720 | 285.620 | 6656.90 | 5340.90 | 666.16 | -258.91 | -1192.41 | 12.26 | 10.26 | 9.15 |
| 7073.00 | 54.530 | 288.240 | 6683.29 | 5367.29 | 696.20 | -249.01 | -1224.86 | 12.17 | 11.19 | 6.09 |
| 7120.00 | 58.580 | 290.110 | 6709.19 | 5393.19 | 731.60 | -236.12 | -1261.88 | 9.23 | 8.62 | 3.98 |
| 7162.00 | 62.360 | 292.750 | 6729.89 | 5413.89 | 765.18 | -222.75 | -1295.89 | 10.53 | 9.00 | 6.29 |
| 7219.00 | 65.810 | 296.280 | 6754.80 | 5438.80 | 813.30 | -201.47 | -1342.50 | 8.22 | 6.05 | 6.19 |
| 7252.00 | 67.480 | 300.350 | 6767.89 | 5451.89 | 842.36 | -187.10 | -1369.16 | 12.40 | 5.06 | 12.33 |
| 7309.00 | 69.740 | 303.990 | 6788.68 | 5472.68 | 894.17 | -158.84 | -1414.07 | 7.15 | 3.96 | 6.39 |
| 7341.00 | 72.140 | 308.330 | 6799.14 | 5483.14 | 924.07 | -140.99 | -1438.48 | 14.85 | 7.50 | 13.56 |
| 7398.00 | 74.870 | 312.400 | 6815.33 | 5499.33 | 978.56 | -105.59 | -1480.10 | 8.35 | 4.79 | 7.14 |
| 7431.00 | 77.630 | 316.420 | 6823.17 | 5507.17 | 1010.60 | -83.17 | -1502.98 | 14.49 | 8.36 | 12.18 |
| 7488.00 | 78.380 | 320.850 | 6835.02 | 5519.02 | 1066.21 | -41.33 | -1539.82 | 7.72 | 1.32 | 7.77 |
| 7521.00 | 78.880 | 324.320 | 6841.53 | 5525.53 | 1098.24 | -15.64 | -1559.47 | 10.42 | 1.52 | 10.52 |
| 7610.00 | 86.060 | 328.340 | 6853.19 | 5537.19 | 1184.57 | 57.74 | -1608.32 | 9.23 | 8.07 | 4.52 |
| 7700.00 | 92.860 | 329.860 | 6854.04 | 5538.04 | 1271.67 | 134.92 | -1654.51 | 7.74 | 7.56 | 1.69 |
| 7789.00 | 92.860 | 329.990 | 6849.60 | 5533.60 | 1357.42 | 211.84 | -1699.05 | 0.15 | 0.00 | 0.15 |
| 7879.00 | 92.830 | 325.610 | 6845.13 | 5529.13 | 1444.94 | 287.89 | -1746.94 | 4.86 | -0.03 | -4.87 |
| 7969.00 | 92.990 | 328.630 | 6840.56 | 5524.56 | 1532.70 | 363.36 | -1795.73 | 3.36 | 0.18 | 3.36 |
| 8058.00 | 92.770 | 327.240 | 6836.09 | 5520.09 | 1619.21 | 438.69 | -1842.92 | 1.58 | -0.25 | -1.56 |
| 8148.00 | 93.300 | 328.210 | 6831.32 | 5515.32 | 1706.75 | 514.68 | -1890.91 | 1.23 | 0.59 | 1.08 |
| 8237.00 | 93.020 | 323.430 | 6826.41 | 5510.41 | 1793.91 | 588.17 | -1940.82 | 5.37 | -0.31 | -5.37 |
| 8327.00 | 91.820 | 318.550 | 6822.61 | 5506.61 | 1883.25 | 658.02 | -1997.41 | 5.58 | -1.33 | -5.42 |
| 8416.00 | 91.480 | 317.250 | 6820.05 | 5504.05 | 1972.07 | 724.02 | -2057.05 | 1.51 | -0.38 | -1.46 |
| 8471.00 | 92.370 | 320.640 | 6818.20 | 5502.20 | 2026.88 | 765.47 | -2093.14 | 6.37 | 1.62 | 6.16 |
| 8506.00 | 92.310 | 321.500 | 6816.77 | 5500.77 | 2061.63 | 792.67 | -2115.12 | 2.46 | -0.17 | 2.46 |
| 8561.00 | 93.170 | 323.920 | 6814.14 | 5498.14 | 2116.02 | 836.37 | -2148.40 | 4.66 | 1.56 | 4.40 |
| 8595.00 | 93.050 | 326.160 | 6812.30 | 5496.30 | 2149.41 | 864.20 | -2167.85 | 6.59 | -0.35 | 6.59 |

WV Department of Environmental Protection

00118-2018

WV Department of Environmental Protection



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 8 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 8685.00 | 92.890 | 330.650 | 6807.63 | 5491.63 | 2236.70 | 940.73 | -2214.93 | 4.99 | -0.18 | 4.99 |
| 8775.00 | 92.370 | 329.500 | 6803.50 | 5487.50 | 2323.37 | 1018.65 | -2259.78 | 1.40 | -0.58 | -1.28 |
| 8864.00 | 91.820 | 325.170 | 6800.25 | 5484.25 | 2410.12 | 1093.51 | -2307.77 | 4.90 | -0.62 | -4.87 |
| 8954.00 | 91.380 | 325.230 | 6797.73 | 5481.73 | 2498.57 | 1167.38 | -2359.11 | 0.49 | -0.49 | 0.07 |
| 9043.00 | 91.020 | 331.140 | 6795.87 | 5479.87 | 2585.04 | 1242.96 | -2406.00 | 6.65 | -0.40 | 6.64 |
| 9133.00 | 91.450 | 334.560 | 6793.93 | 5477.93 | 2670.51 | 1323.01 | -2447.06 | 3.83 | 0.48 | 3.80 |
| 9222.00 | 91.910 | 335.570 | 6791.32 | 5475.32 | 2753.89 | 1403.68 | -2484.56 | 1.25 | 0.52 | 1.13 |
| 9312.00 | 93.450 | 331.940 | 6787.11 | 5471.11 | 2838.83 | 1484.30 | -2524.31 | 4.38 | 1.71 | -4.03 |
| 9401.00 | 92.550 | 326.740 | 6782.45 | 5466.45 | 2924.77 | 1560.72 | -2569.61 | 5.92 | -1.01 | -5.84 |
| 9491.00 | 91.790 | 328.170 | 6779.04 | 5463.04 | 3012.47 | 1636.53 | -2617.99 | 1.80 | -0.84 | 1.59 |
| 9580.00 | 91.910 | 330.060 | 6776.17 | 5460.17 | 3098.60 | 1712.87 | -2663.65 | 2.13 | 0.13 | 2.12 |
| 9670.00 | 91.910 | 332.270 | 6773.17 | 5457.17 | 3184.84 | 1791.66 | -2707.03 | 2.45 | 0.00 | 2.46 |
| 9760.00 | 91.450 | 328.420 | 6770.53 | 5454.53 | 3271.44 | 1869.83 | -2751.54 | 4.31 | -0.51 | -4.28 |
| 9849.00 | 91.630 | 322.930 | 6768.13 | 5452.13 | 3358.73 | 1943.27 | -2801.68 | 6.17 | 0.20 | -6.17 |
| 9939.00 | 91.510 | 322.890 | 6765.67 | 5449.67 | 3447.77 | 2015.04 | -2855.94 | 0.14 | -0.13 | -0.04 |
| 10028.00 | 91.720 | 319.840 | 6763.16 | 5447.16 | 3536.11 | 2084.52 | -2911.48 | 3.43 | 0.24 | -3.43 |
| 10118.00 | 91.170 | 319.660 | 6760.89 | 5444.89 | 3625.73 | 2153.19 | -2969.61 | 0.64 | -0.61 | -0.20 |
| 10207.00 | 91.570 | 326.690 | 6758.76 | 5442.76 | 3713.67 | 2224.37 | -3022.91 | 7.91 | 0.45 | 7.90 |
| 10297.00 | 91.910 | 331.800 | 6756.02 | 5440.02 | 3800.70 | 2301.65 | -3068.89 | 5.69 | 0.38 | 5.68 |
| 10387.00 | 92.000 | 330.240 | 6752.95 | 5436.95 | 3887.00 | 2380.33 | -3112.47 | 1.74 | 0.10 | -1.73 |
| 10476.00 | 91.880 | 331.310 | 6749.94 | 5433.94 | 3972.45 | 2457.96 | -3155.90 | 1.21 | -0.13 | 1.20 |
| 10566.00 | 92.000 | 329.300 | 6746.89 | 5430.89 | 4059.07 | 2536.09 | -3200.46 | 2.24 | 0.13 | -2.23 |
| 10655.00 | 92.060 | 324.590 | 6743.74 | 5427.74 | 4145.95 | 2610.62 | -3248.96 | 5.29 | 0.07 | -5.29 |
| 10745.00 | 91.630 | 321.410 | 6740.84 | 5424.84 | 4234.94 | 2682.45 | -3303.09 | 3.56 | -0.48 | -3.53 |
| 10835.00 | 91.780 | 322.500 | 6738.16 | 5422.16 | 4324.17 | 2753.29 | -3358.53 | 1.22 | 0.17 | 1.21 |
| 10924.00 | 91.780 | 322.520 | 6735.40 | 5419.40 | 4412.29 | 2823.87 | -3412.67 | 0.02 | 0.00 | 0.02 |
| 11014.00 | 91.750 | 324.550 | 6732.63 | 5416.63 | 4501.17 | 2896.22 | -3466.13 | 2.25 | -0.03 | 2.26 |
| 11103.00 | 91.690 | 324.470 | 6729.95 | 5413.95 | 4588.82 | 2968.65 | -3517.77 | 0.11 | -0.07 | -0.09 |
| 11193.00 | 91.570 | 325.450 | 6727.39 | 5411.39 | 4677.33 | 3042.31 | -3569.43 | 1.10 | -0.13 | 1.09 |
| 11283.00 | 91.630 | 329.590 | 6724.88 | 5408.88 | 4765.02 | 3118.18 | -3617.73 | 4.60 | 0.07 | 4.60 |

WV Department of
 Environment & Natural Resources
 OCT 18 2018



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 9 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWP |
| Facility | Blake Pad | | |

| WELLPATH DATA (227 stations) | | | | | | | | | | |
|------------------------------|-----------------|-------------|----------|------------|----------------|------------|-----------|---------------|----------------------|---------------------|
| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | TVDSS [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] | Build Rate [°/100ft] | Turn Rate [°/100ft] |
| 11372.00 | 91.380 | 323.340 | 6722.54 | 5406.54 | 4852.06 | 3192.31 | -3666.85 | 7.03 | -0.28 | -7.02 |
| 11462.00 | 91.450 | 332.060 | 6720.31 | 5404.31 | 4939.63 | 3268.28 | -3714.88 | 9.69 | 0.08 | 9.69 |
| 11551.00 | 91.570 | 329.650 | 6717.97 | 5401.97 | 5025.06 | 3345.98 | -3758.21 | 2.71 | 0.13 | -2.71 |
| 11641.00 | 91.600 | 326.410 | 6715.48 | 5399.48 | 5112.58 | 3422.29 | -3805.84 | 3.60 | 0.03 | -3.60 |
| 11731.00 | 91.170 | 324.320 | 6713.30 | 5397.30 | 5200.98 | 3496.32 | -3856.97 | 2.37 | -0.48 | -2.32 |
| 11820.00 | 91.020 | 323.680 | 6711.60 | 5395.60 | 5288.79 | 3568.31 | -3909.28 | 0.74 | -0.17 | -0.72 |
| 11910.00 | 91.170 | 323.600 | 6709.88 | 5393.88 | 5377.67 | 3640.77 | -3962.62 | 0.19 | 0.17 | -0.09 |
| 11999.00 | 91.110 | 325.550 | 6708.11 | 5392.11 | 5465.32 | 3713.28 | -4014.20 | 2.19 | -0.07 | 2.19 |
| 12089.00 | 91.020 | 327.380 | 6706.44 | 5390.44 | 5553.39 | 3788.28 | -4063.91 | 2.04 | -0.10 | 2.03 |
| 12178.00 | 91.660 | 329.200 | 6704.36 | 5388.36 | 5639.86 | 3863.97 | -4110.67 | 2.17 | 0.72 | 2.04 |
| 12268.00 | 91.660 | 331.780 | 6701.75 | 5385.75 | 5726.40 | 3942.25 | -4154.98 | 2.87 | 0.00 | 2.87 |
| 12358.00 | 91.660 | 332.680 | 6699.14 | 5383.14 | 5812.17 | 4021.85 | -4196.90 | 1.00 | 0.00 | 1.00 |
| 12447.00 | 91.780 | 332.970 | 6696.47 | 5380.47 | 5896.69 | 4100.99 | -4237.53 | 0.35 | 0.13 | 0.33 |
| 12537.00 | 92.120 | 328.660 | 6693.41 | 5377.41 | 5983.07 | 4179.50 | -4281.38 | 4.80 | 0.38 | -4.79 |
| 12627.00 | 91.420 | 326.640 | 6690.63 | 5374.63 | 6070.72 | 4255.49 | -4329.51 | 2.37 | -0.78 | -2.24 |
| 12716.00 | 91.750 | 328.690 | 6688.16 | 5372.16 | 6157.40 | 4330.66 | -4377.09 | 2.33 | 0.37 | 2.30 |
| 12740.00 | 91.750 | 328.690 | 6687.43 | 5371.43 | 6180.67 | 4351.16 | -4389.56 | 0.00 | 0.00 | 0.00 |

WV Department of Environmental Protection

OCT 18 2018

RECEIVED
Office of Oil and Gas



Where energy meets innovation.

Actual Wellpath Report

Blake 1H (519170) AWP Proj: 12740'

Page 10 of 10



| REFERENCE WELLPATH IDENTIFICATION | | | |
|-----------------------------------|-------------------|----------|-----------------------|
| Operator | EQT | Slot | Slot 1H |
| Area | Wetzel County, WV | Well | Blake 1H (519170) |
| Field | Wetzel | Wellbore | Blake 1H (519170) AWB |
| Facility | Blake Pad | | |

| HOLE & CASING SECTIONS - Ref Wellbore: Blake 1H (519170) AWB Ref Wellpath: Blake 1H (519170) AWP Proj: 12740' | | | | | | | | | |
|---|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
| 17.5in Open Hole | 18.00 | 1253.00 | 1235.00 | 18.00 | 1252.92 | 0.00 | 0.00 | 9.94 | -9.10 |
| 13.375in Casing Surface | 18.00 | 1253.00 | 1235.00 | 18.00 | 1252.92 | 0.00 | 0.00 | 9.94 | -9.10 |
| 12.25in Open Hole | 1253.00 | 2583.00 | 1330.00 | 1252.92 | 2582.85 | 9.94 | -9.10 | 15.20 | -9.60 |
| 9.625in Casing Intermediate | 18.00 | 2583.00 | 2565.00 | 18.00 | 2582.85 | 0.00 | 0.00 | 15.20 | -9.60 |
| 8.75in Open Hole | 2583.00 | 4476.00 | 1893.00 | 2582.85 | 4465.70 | 15.20 | -9.60 | -20.99 | -181.96 |
| 8.5in Open Hole | 4476.00 | 12740.00 | 8264.00 | 4465.70 | 6687.43 | -20.99 | -181.96 | 4351.16 | -4389.56 |
| 5.5in Casing Production | 18.00 | 12740.00 | 12722.00 | 18.00 | 6687.43 | 0.00 | 0.00 | 4351.16 | -4389.56 |

| TARGETS | | | | | | | | |
|--------------------|----------|------------|-----------|-------------------|--------------------|----------------|----------------|-------|
| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
| Blake 1H BHL Rev-1 | 6673.10 | 4344.75 | -4396.05 | 1629932.65 | 424593.76 | 39°39'29.957"N | 80°48'52.066"W | point |
| Blake 1H LP Rev-1 | 6843.00 | 50.00 | -1606.90 | 1632721.63 | 420299.28 | 39°38'47.918"N | 80°48'15.611"W | point |

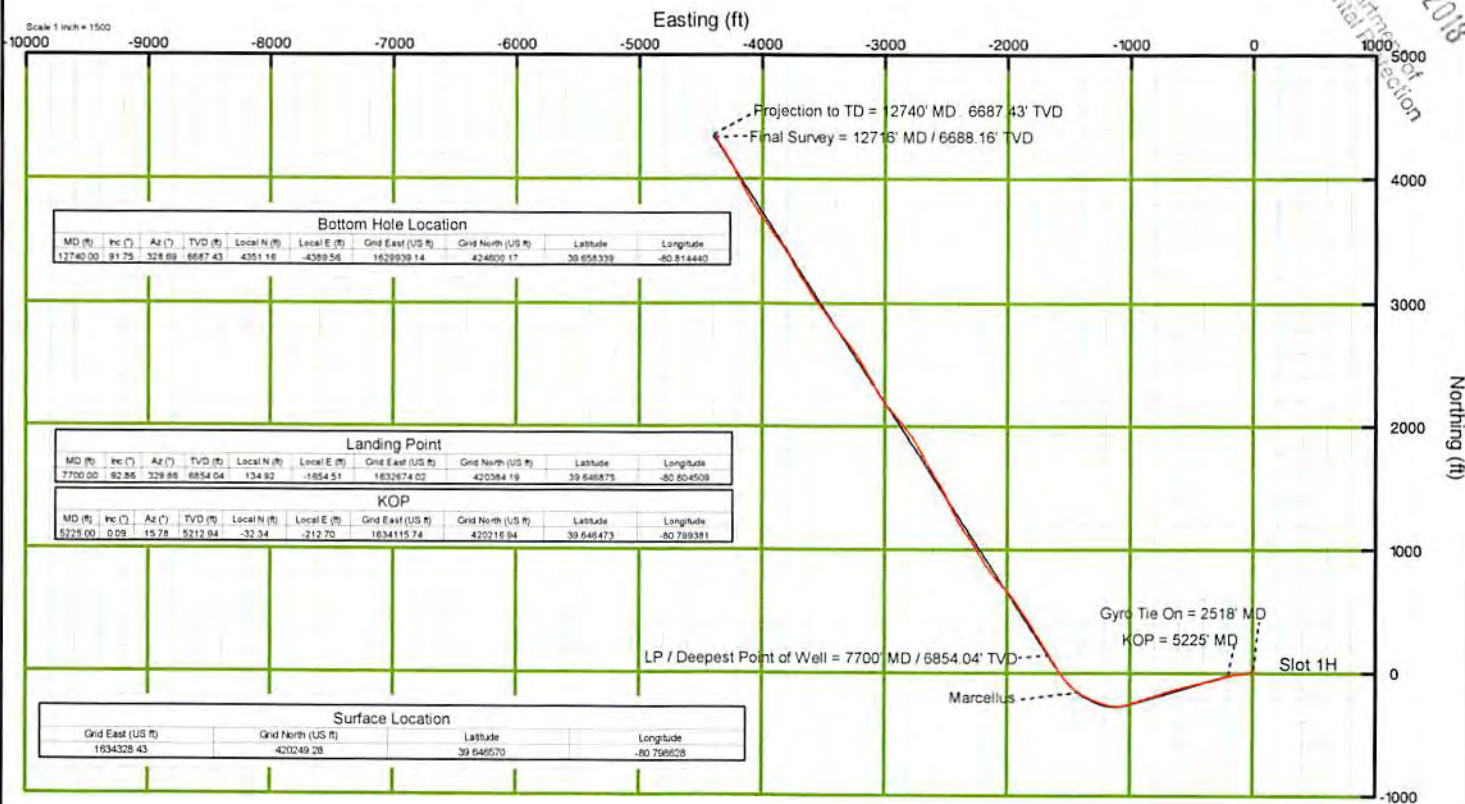
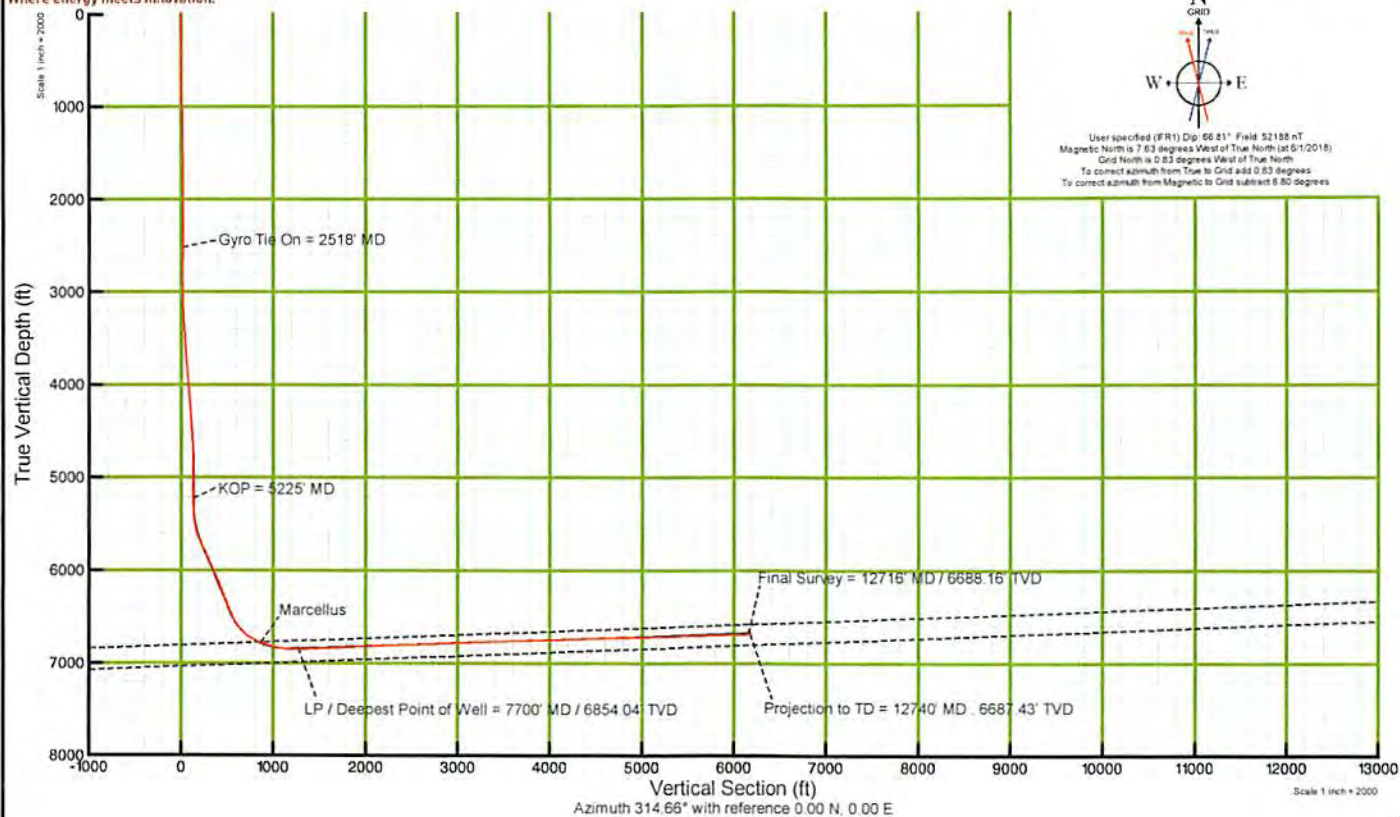
| WELLPATH COMPOSITION - Ref Wellbore: Blake 1H (519170) AWB Ref Wellpath: Blake 1H (519170) AWP Proj: 12740' | | | | | |
|---|-------------|---|---|-----------------------|--|
| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | |
| 18.00 | 2518.00 | Gyrodata relative depth - Continuous gyro | 01 Gyrodata Cont Gyro <12-1/4"> (118'-2518') | Blake 1H (519170) AWB | |
| 2518.00 | 4476.00 | OWSG MWD rev2 - Standard | 02 SDI MWD <8-3/4">(2518')(2583'-4476') | Blake 1H (519170) AWB | |
| 4476.00 | 12716.00 | OWSG MWD rev2 + IFR1 + Multi-Station Correction | 03 BH AT Curve + MagVar MSA <8-1/2">(4476')(4626'-12716') | Blake 1H (519170) AWB | |
| 12716.00 | 12740.00 | Blind Drilling (std) | Projection to bit | Blake 1H (519170) AWB | |

RECEIVED
 Office of Oil and Gas
 OCT 18 2018
 WV Department of Environmental Protection



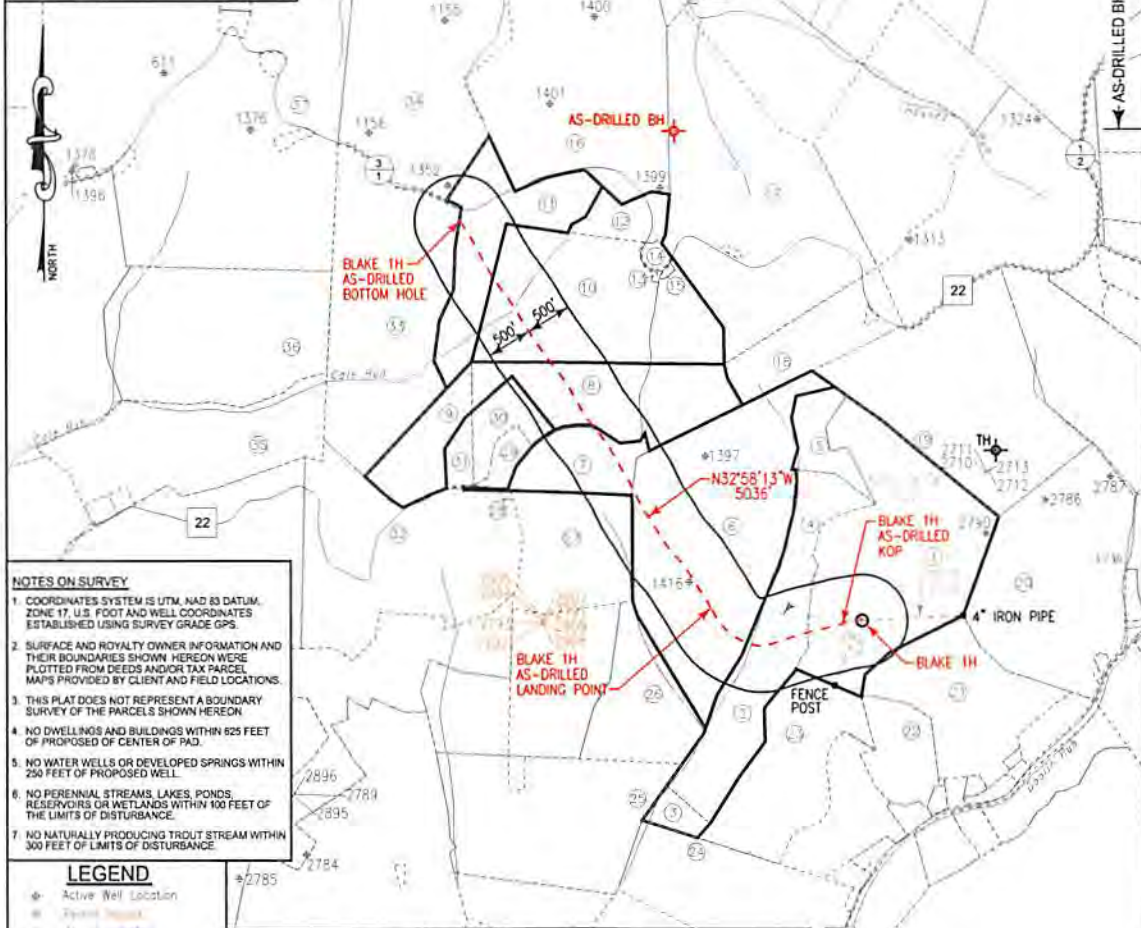
KB elevation = 1316ft
 Ground elevation = 1298ft
 All measurements taken from KB elevation

Where energy meets innovation.



11/16/2018

**BLAKE 1H
BLAKE
EQT Production Company**



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

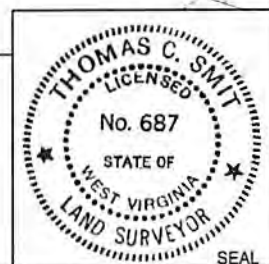
- LEGEND**
- Active Well Location
 - Proposed Well
 - Abandoned Well
 - Well Drilled
 - Proposed Gas Well
 - Located Corner as noted
 - Surface Tract Lines
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - WV County Route
 - WV State Route

| Tract ID. | Lease No. | Acres | Owner |
|-----------|-----------|--------|--------------------------------|
| 1&2 | 873356 | 122.65 | Gary Lemons ET UX |
| 6&7 | 873673 | 140 | Ray Blake ET UX |
| 8 | 873749 | 75.3 | Karen Miller ET AL |
| 10 | 873636 | 81 | Schubbach's Valley Motor ET AL |
| 11 | 873645 | 40.25 | Melvin E. Schubbach ET UX |



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

Thomas C. Smit
L. L. S. 687



FILE NO: W2030 (BK 50-21)
DRAWING NO:
SCALE: 1"=1600'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: JUNE 08 20 18
OPERATORS WELL NO: BLAKE 1H
API WELL NO: 47 - 103 - 02910
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1,298' WATERSHED: CAMP RUN QUADRANGLE: NEW MARTINSVILLE 7.5'
DISTRICT: Magnolia COUNTY: Wetzel

SURFACE OWNER: Gary Lemons ACREAGE: 69.12 ±
ROYALTY OWNER: Gary Lemons, ET UX LEASE NO: 873356 ACREAGE: 122.65 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,786'

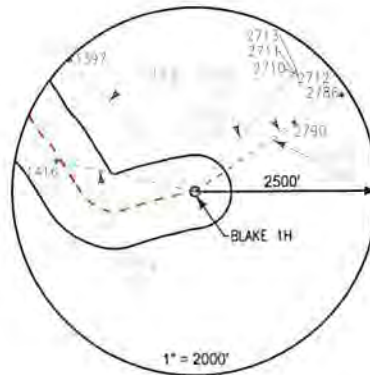
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
Bridgeport, WV 26330 Bridgeport, WV 26330

TOP HOLE AS-DRILLED

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of Environmental Protection

Blake 1H
Blake
EQT Production Company

| Tract ID | Tax Map No. | Parcel No. | County | District | Surface Tract Owner | Acres |
|----------|-------------|------------|--------|----------|--------------------------------|--------|
| 1 | 5 | 35 | Wetzel | Magnolia | Gary Lemons | 79.7 |
| 2 | 8 | 7 | Wetzel | Magnolia | Gary Lemons | 30.2 |
| 3 | 8 | 13 | Wetzel | Magnolia | Gary Lemons | 5.57 |
| 4 | 5 | 34 | Wetzel | Magnolia | Gary Lemons | 11.17 |
| 5 | 5 | 27 | Wetzel | Magnolia | Gary Lemons | 11 |
| 6 | 5 | 33 | Wetzel | Magnolia | Franklin Ray Blake | 108.47 |
| 7 | 5 | 25.2 | Wetzel | Magnolia | Franklin Ray Blake | 17.73 |
| 8 | 5 | 26 | Wetzel | Magnolia | Stone Energy Corporation | 39.95 |
| 9 | 5 | 25 | Wetzel | Magnolia | Stone Energy Corporation | 17.64 |
| 10 | 5 | 19 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 68.49 |
| 11 | 5 | 12 | Wetzel | Magnolia | McLain E. & Wilda G. Schupbach | 38.87 |
| 12 | 5 | 13 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 9.48 |
| 13 | 5 | 20 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 0.11 |
| 14 | 5 | 14 | Wetzel | Magnolia | Ronald Lee & Monette Schupbach | 1.51 |
| 15 | 5 | 21 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 0.19 |
| 16 | 5 | 2 | Wetzel | Magnolia | David E. & Jeanie L. Schupbach | 96.43 |
| 17 | 5 | 16 | Wetzel | Magnolia | Sharon L. Bearce | 108.64 |
| 18 | 5 | 22 | Wetzel | Magnolia | Sharon L. Bearce | 27.5 |
| 19 | 5 | 28 | Wetzel | Magnolia | Gary & Judy Ann Lemons | 102.75 |
| 20 | 6 | 3 | Wetzel | Magnolia | Gary Patrick Fitzsimmons | 71.99 |
| 21 | 8 | 8 | Wetzel | Magnolia | Danny L. & Orion F. Neff | 42.88 |
| 22 | 8 | 15.3 | Wetzel | Magnolia | David & Orion Neff | 11.97 |
| 23 | 8 | 14 | Wetzel | Magnolia | Aaron Lloyd Lemons | 43.79 |
| 24 | 8 | 75 | Wetzel | Magnolia | Cathy M. Westfall ET AL | 57.68 |
| 25 | 8 | 12 | Wetzel | Magnolia | David L. & Ralph O. Smith | 58.15 |
| 26 | 8 | 6 | Wetzel | Magnolia | Albert Kocher HRS | 33.01 |
| 27 | 5 | 32 | Wetzel | Magnolia | George S. Schupbach | 37.5 |
| 28 | 5 | 31.1 | Wetzel | Magnolia | Schupbach Cemetery | 0.27 |
| 29 | 5 | 26.1 | Wetzel | Magnolia | Stone Energy Corporation | 3.93 |
| 30 | 5 | 26.3 | Wetzel | Magnolia | Stone Energy Corporation | 10.95 |
| 31 | 5 | 25.1 | Wetzel | Magnolia | Stone Energy Corporation | 4.19 |
| 32 | 5 | 31 | Wetzel | Magnolia | John William Burton | 66.56 |
| 33 | 5 | 11 | Wetzel | Magnolia | Ronald L. Schupbach | 89.45 |
| 34 | 5 | 11 | Wetzel | Magnolia | Ronald L. Schupbach | 90.33 |
| 35 | 5 | 24 | Wetzel | Magnolia | Heaven Partnership | 53.59 |
| 36 | 5 | 10 | Wetzel | Magnolia | Heiman L. & Sherman Richter | 80.66 |
| 37 | 5 | 1 | Wetzel | Magnolia | Mark Edwin Scheibelhood | 327.66 |



Notes:
BLAKE 1H As-Drilled coordinates are:
 NAD 27 N: 420,250,000 E: 1,634,328,000
 NAD 27 Lat: 39.846573 Long: -80.798630
 NAD 83 UTM N: 4,388,559,493 E: 517,292,676

BLAKE 1H As-Drilled KOP coordinates are:
 NAD 27 N: 420,216,940 E: 1,634,115,740
 NAD 27 Lat: 39.846473 Long: -80.799382
 NAD 83 UTM N: 4,388,548,339 E: 517,228,177

BLAKE 1H As-Drilled Landing Point coordinates are:
 NAD 27 N: 420,384,190 E: 1,632,874,020
 NAD 27 Lat: 39.846875 Long: -80.804510
 NAD 83 UTM N: 4,388,591,947 E: 516,788,096

BLAKE 1H As-Drilled Bottom Hole coordinates are:
 NAD 27 N: 424,800,170 E: 1,629,939,140
 NAD 27 Lat: 39.858339 Long: -80.814440
 NAD 83 UTM N: 4,389,862,443 E: 515,933,488

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



LEGEND

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

BLAKE PAD

- BLAKE 5H
- BLAKE 6H
- BLAKE 3H
- BLAKE 4H
- BLAKE 1H
- BLAKE 2H



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

L. L. S. 687

L. L. S. 687



FILE NO: W2030 (BK 50-21)
 DRAWING NO:
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: JUNE 08 20 18
 OPERATORS WELL NO: BLAKE 1H
 API WELL NO
 47 - 103 - 02910
 STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1,298' WATERSHED: CAMP RUN QUADRANGLE: NEW MARTINSVILLE 7.5'

DISTRICT: Magnolia COUNTY: Wetzel

SURFACE OWNER: Gary Lemons ACREAGE: 69.12 ±

ROYALTY OWNER: Gary Lemons, ET UX LEASE NO: 873356 ACREAGE: 122.65 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,786'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|--------------------------------|--------------------|
| Job Start Date: | 6/25/2018 |
| Job End Date: | 7/20/2018 |
| State: | West Virginia |
| County: | Wetzel |
| API Number: | 47-103-02910-00-00 |
| Operator Name: | EQT Production |
| Well Name and Number: | 519170 |
| Latitude: | 39.64657100 |
| Longitude: | -80.79862800 |
| Datum: | NAD83 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 6,842 |
| Total Base Water Volume (gal): | 10,241,372 |
| 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 | ProFrac | Carrier/Base Fluid | | | | | |
| | | | Water | 7732-18-5 | 100.00000 | 88.24190 | None |
| Bio Matar 123 | Silverback Chemical, LLC | Biocide | | | | | |
| | | | | Listed Below | | | |

RECEIVED
 Office of Oil and Gas
 OCT 18 2018

| | | | | | | | |
|-------------------------|--------------------------|--------------------------|--|--------------|--|--|--|
| Sand (Proppant) | ProFrac | Proppant | | | | | |
| | | | | Listed Below | | | |
| ProBreak 100 | ProFrac | Gelling Agent | | | | | |
| | | | | Listed Below | | | |
| ProHib 100 | ProFrac | Acid Corrosion Inhibitor | | | | | |
| | | | | Listed Below | | | |
| Silver FR-931 | Silverback Chemical, LLC | Friction Reducer | | | | | |
| | | | | Listed Below | | | |
| ProFe 105 | ProFrac | Iron Control | | | | | |
| | | | | Listed Below | | | |
| Other Chemical (s) | Listed Above | See Trade Name (s) List | | | | | |
| | | | | Listed Below | | | |
| Silver SI-800 | Silverback Chemical, LLC | Anti-Scalant | | | | | |
| | | | | Listed Below | | | |
| Hydrochloric Acid (15%) | ProFrac | Acidizing | | | | | |
| | | | | Listed Below | | | |
| ProVis 4.0 | ProFrac | Gel Breaker | | | | | |

RECEIVED
Office of Oil and Gas
OCT 18 2018

| | | | | | | | |
|--|--|--|--|--------------|-----------|----------|------|
| | | | | Listed Below | | | |
| Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients. | | | | | | | |
| | | | Silica Substrate | 14808-60-7 | 100.00000 | 11.26430 | None |
| | | | Hydrochloric Acid | 7647-01-0 | 15.00000 | 0.05964 | None |
| | | | Proprietary Polymers | Proprietary | 60.00000 | 0.04264 | None |
| | | | Petroleum Distillates, Hydrotreated Light Naphthenic | 64742-53-6 | 60.00000 | 0.04264 | |
| | | | Petroleum Distillates, Hydrotreated Light Naphthenic | 64742-53-6 | 60.00000 | 0.04264 | None |
| | | | Proprietary Polymers | Proprietary | 60.00000 | 0.04264 | |
| | | | Non-Hazardous Substances | Proprietary | 90.00000 | 0.01720 | None |
| | | | Non-Hazardous Substances | Proprietary | 90.00000 | 0.01720 | |
| | | | Glutaraldehyde | 111-30-8 | 20.00000 | 0.00382 | None |
| | | | Glutaraldehyde | 111-30-8 | 20.00000 | 0.00382 | |
| | | | Hydrtreated Light Distillate(Petroleum) | 64742-47-8 | 65.00000 | 0.00165 | None |
| | | | Gum Guar | 9000-30-0 | 50.00000 | 0.00127 | None |
| | | | Polycarboxylic Acid Salt Mixture | Proprietary | 40.00000 | 0.00107 | None |
| | | | Methanol | 67-56-1 | 90.00000 | 0.00061 | None |
| | | | Alkyl Dimethyl Benzyl Ammonium Chloride | 68391-01-5 | 3.00000 | 0.00057 | |
| | | | Didecyl Dimethyl Ammonium Chloride | 7173-51-5 | 3.00000 | 0.00057 | None |
| | | | Alkyl Dimethyl Benzyl Ammonium Chloride | 68391-01-5 | 3.00000 | 0.00057 | None |
| | | | Didecyl Dimethyl Ammonium Chloride | 7173-51-5 | 3.00000 | 0.00057 | |
| | | | Citric Acid | 77-92-9 | 100.00000 | 0.00010 | |
| | | | Citric Acid | 77-92-9 | 100.00000 | 0.00010 | None |
| | | | Ammonium Persulfate | 7727-54-0 | 100.00000 | 0.00004 | None |
| | | | Xylene | 1330-20-7 | 5.00000 | 0.00003 | None |

| | | | | | | | |
|--|--|--|-----------------------------|------------|---------|---------|------|
| | | | Alcohols, C7-9-ISO, C8 Rich | 68526-83-0 | 5.00000 | 0.00003 | |
| | | | Alcohols, C7-9-ISO, C8 Rich | 68526-83-0 | 5.00000 | 0.00003 | None |
| | | | Imidazoline | 61790-69-0 | 5.00000 | 0.00003 | None |
| | | | Xylene | 1330-20-7 | 5.00000 | 0.00003 | |
| | | | Isopropanol | 67-63-0 | 5.00000 | 0.00003 | None |
| | | | Propargyl Alcohol | 107-19-7 | 5.00000 | 0.00003 | None |
| | | | Imidazoline | 61790-69-0 | 5.00000 | 0.00003 | |
| | | | Ethylbenzene | 100-41-4 | 1.00000 | 0.00001 | None |
| | | | Ethylbenzene | 100-41-4 | 1.00000 | 0.00001 | |

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

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

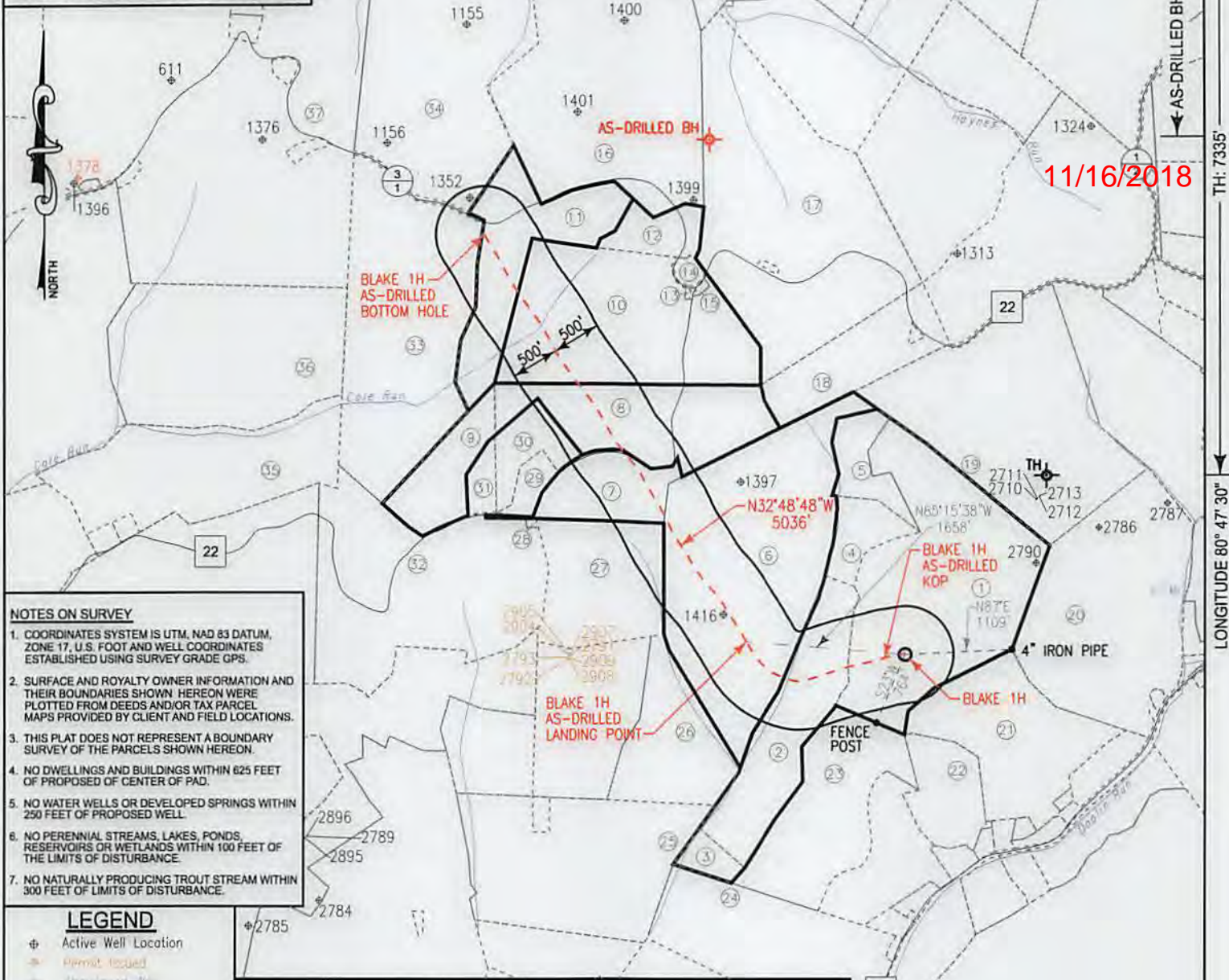
*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

RECEIVED
Office of Oil and Gas
OCT 18 2018
WV Department of
Environmental Protection

**BLAKE 1H
BLAKE**
EQT Production Company



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- Active Well Location
 - Permit Issued
 - Abandoned Well
 - Never Drilled
 - Tract Identification
 - Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - WV County Route
 - WV State Route

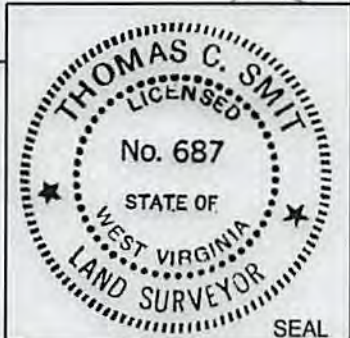
| Tract ID. | Lease No. | Acres | Owner |
|-----------|-----------|--------|--------------------------------|
| 1&2 | 873356 | 122.65 | Gary Lemons ET UX |
| 6&7 | 873673 | 140 | Ray Blake ET UX |
| 8 | 873749 | 75.3 | Karen Miller ET AL |
| 10 | 873636 | 81 | Schupbach's Valley Motor ET AL |
| 11 | 873645 | 40.25 | Melvin E. Schupbach ET UX |

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



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

Thomas C. Smit
L. L. S. 687



FILE NO: W2030 (BK 50-21)
DRAWING NO:
SCALE: 1" = 1600'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

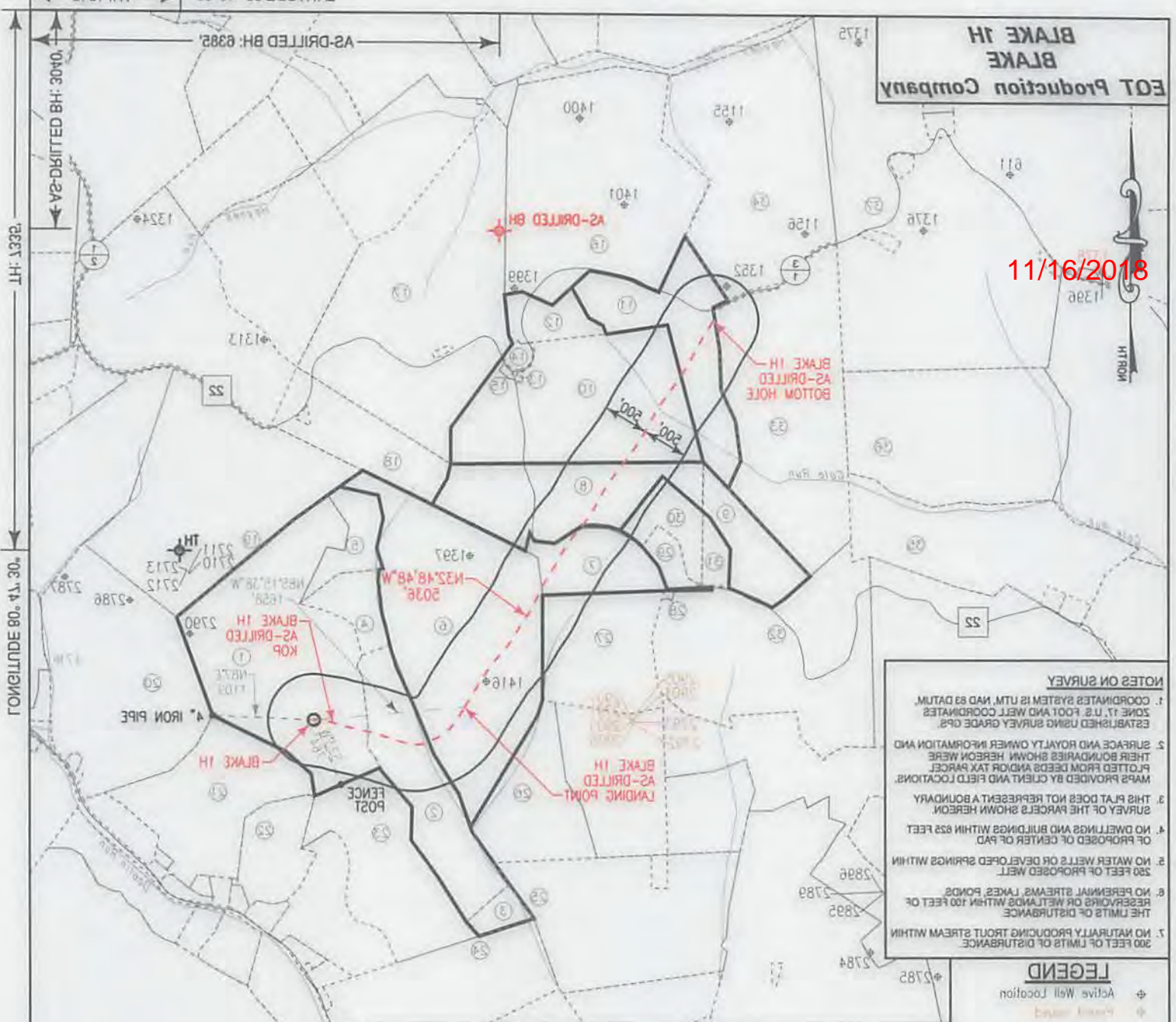
DATE: JULY 26 20 18
OPERATORS WELL NO: BLAKE 1H
API WELL NO
47 - 103 - 02910
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION ELEVATION: 1,298' WATERSHED: CAMP RUN QUADRANGLE: NEW MARTINSVILLE 7.5'
 DISTRICT: Magnolia COUNTY: Wetzel
 SURFACE OWNER: Gary Lemons ACREAGE: 69.12 ±
 ROYALTY OWNER: Gary Lemons, ET UX LEASE NO: 873356 ACREAGE: 122.65 ±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,786'
 WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330

TOP HOLE AS-DRILLED

EQT Production Company
BLAKE
BLAKE 1H

11/16/2018



NOTES ON SURVEY

1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM. ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 825 FEET OF PROPOSED OR CENTER OF PAD.
5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING FROST STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

LEGEND

- ⊕ Active Well Location
- ⊕ Proposed Well
- ⊕ Abandoned Well
- ⊕ New Well
- ⊕ Tract Identification
- ⊕ Proposed Gas Well
- Located Corner, as noted
- Survey Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- ⊕ WV County Route
- ⊕ WV State Route

| Tract ID. | Lease No. | Acres | Owner |
|-----------|-----------|--------|--------------------------------|
| 1&2 | 873356 | 122.65 | Gary Lemons ET UX |
| 6&7 | 873673 | 140 | Ray Blake ET UX |
| 8 | 873749 | 72.3 | Karen Miller ET AL |
| 10 | 873636 | 81 | Schupbach's Valley Motor ET AL |
| 11 | 873645 | 40.25 | Melvin E. Schupbach ET UX |

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

Thomas C. Smith
 L. L. S. 687



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

FILE NO: W2030 (BK 50-21)
 DRAWING NO: _____
 SCALE: 1" = 1600'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: INGS CORS Station

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

LOCATION ELEVATION: 1298' WATERSHED: _____ CAMP RUN QUADRANGLE: NEW MARTINSVILLE 7.5'
 DISTRICT: _____ COUNTY: Wetzel

SURFACE OWNER: Gary Lemons
 ROYALTY OWNER: Gary Lemons, ET UX
 LEASE NO: 873356 ACRES: 122.65 ±
 ACRES: 69.12 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6786'

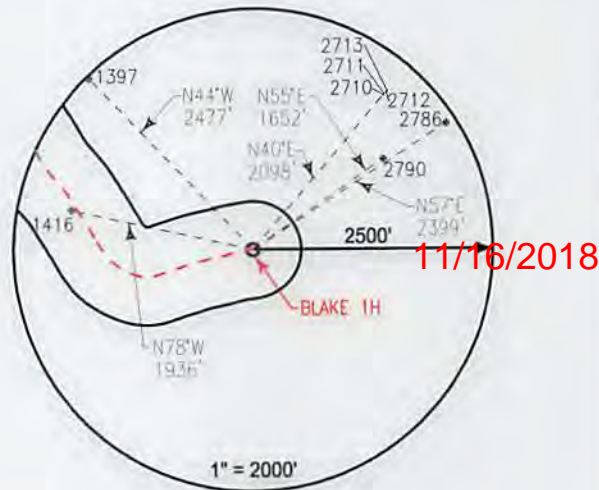
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bhdgeport, WV 26330 Bhdgeport, WV 26330

DATE: JULY 26 20 18
 OPERATORS WELL NO: BLAKE 1H
 API WELL NO _____
 STATE COUNTY PERMIT 47 - 103 - 02910

TOP HOLE AS-DRILLED

**Blake 1H
Blake
EQT Production Company**

| Tract ID | Tax Map No. | Parcel No. | County | District | Surface Tract Owner | Acres |
|----------|-------------|------------|--------|----------|--------------------------------|--------|
| 1 | 5 | 35 | Wetzel | Magnolia | Gary Lemons | 79.7 |
| 2 | 8 | 7 | Wetzel | Magnolia | Gary Lemons | 30.2 |
| 3 | 8 | 13 | Wetzel | Magnolia | Gary Lemons | 5.57 |
| 4 | 5 | 34 | Wetzel | Magnolia | Gary Lemons | 11.17 |
| 5 | 5 | 27 | Wetzel | Magnolia | Gary Lemons | 11 |
| 6 | 5 | 33 | Wetzel | Magnolia | Franklin Ray Blake | 108.47 |
| 7 | 5 | 26.2 | Wetzel | Magnolia | Franklin Ray Blake | 17.73 |
| 8 | 5 | 26 | Wetzel | Magnolia | Stone Energy Corporation | 39.95 |
| 9 | 5 | 25 | Wetzel | Magnolia | Stone Energy Corporation | 17.64 |
| 10 | 5 | 19 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 68.49 |
| 11 | 5 | 12 | Wetzel | Magnolia | Melvin E. & Wilda G. Schupbach | 36.87 |
| 12 | 5 | 13 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 9.48 |
| 13 | 5 | 20 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 0.11 |
| 14 | 5 | 14 | Wetzel | Magnolia | Ronald Lee & Monette Schupbach | 1.51 |
| 15 | 5 | 21 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 0.19 |
| 16 | 5 | 2 | Wetzel | Magnolia | David E. & Jeanie L. Schupbach | 96.43 |
| 17 | 5 | 16 | Wetzel | Magnolia | Sharon L. Bearce | 108.64 |
| 18 | 5 | 22 | Wetzel | Magnolia | Sharon L. Bearce | 37.5 |
| 19 | 5 | 28 | Wetzel | Magnolia | Gary & Judy Ann Lemons | 102.75 |
| 20 | 6 | 3 | Wetzel | Magnolia | Gary Patrick Fitzsimmons | 71.99 |
| 21 | 8 | 8 | Wetzel | Magnolia | Danny L. & Orion F. Neff | 42.88 |
| 22 | 8 | 15.3 | Wetzel | Magnolia | David & Orion Neff | 11.97 |
| 23 | 8 | 14 | Wetzel | Magnolia | Aaron Lloyd Lemons | 43.79 |
| 24 | 8 | 25 | Wetzel | Magnolia | Cathy M. Westfall ET AL | 57.68 |
| 25 | 8 | 12 | Wetzel | Magnolia | David L. & Ralph D. Smith | 58.15 |
| 26 | 8 | 6 | Wetzel | Magnolia | Albert Kocher HRS | 33.01 |
| 27 | 5 | 32 | Wetzel | Magnolia | George S. Schupbach | 37.5 |
| 28 | 5 | 31.1 | Wetzel | Magnolia | Schupbach Cemetery | 0.27 |
| 29 | 5 | 26.1 | Wetzel | Magnolia | Stone Energy Corporation | 3.93 |
| 30 | 5 | 26.3 | Wetzel | Magnolia | Stone Energy Corporation | 10.95 |
| 31 | 5 | 25.1 | Wetzel | Magnolia | Stone Energy Corporation | 4.19 |
| 32 | 5 | 31 | Wetzel | Magnolia | John William Burton | 66.56 |
| 33 | 5 | 11 | Wetzel | Magnolia | Ronald L. Schupbach | 89.45 |
| 34 | 5 | 1.1 | Wetzel | Magnolia | Ronald L. Schupbach | 90.33 |
| 35 | 5 | 24 | Wetzel | Magnolia | Heaven Partnership | 53.59 |
| 36 | 5 | 10 | Wetzel | Magnolia | Herman L. & Sherman Richter | 80.66 |
| 37 | 5 | 1 | Wetzel | Magnolia | Mark Edwin Scheibelhood | 327.66 |



Notes:
BLAKE 1H As-Drilled coordinates are
 NAD 27 N: 420,250.000 E: 1,634,328.000
 NAD 27 Lat: 39.646573 Long: -80.798630
 NAD 83 UTM N: 4,388,559.493 E: 517,292.676
BLAKE 1H As-Drilled KOP coordinates are
 NAD 27 N: 420,216.940 E: 1,634,115.740
 NAD 27 Lat: 39.646473 Long: -80.799382
 NAD 83 UTM N: 4,388,548.339 E: 517,228.177
BLAKE 1H As-Drilled Landing Point coordinates are
 NAD 27 N: 420,387.050 E: 1,632,675.430
 NAD 27 Lat: 39.646883 Long: -80.804505
 NAD 83 UTM N: 4,388,592.826 E: 516,788.511
BLAKE 1H As-Drilled Bottom Hole coordinates are
 NAD 27 N: 424,610.120 E: 1,629,952.360
 NAD 27 Lat: 39.658367 Long: -80.814394
 NAD 83 UTM N: 4,389,865.542 E: 515,937.465
 West Virginia Coordinates system of 1927 (North Zone)
 based upon Differential GPS Measurements
 Plat orientation, Corner and well ties are based upon
 the grid north meridian
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.



LEGEND

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

BLAKE PAD

- BLAKE 5H
- BLAKE 6H
- BLAKE 3H
- BLAKE 4H
- BLAKE 1H
- BLAKE 2H



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

Thomas C. Smit
 L. L. S. 687



FILE NO: W2030 (BK 50-21)
 DRAWING NO:
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: JULY 26 20 18
 OPERATORS WELL NO: BLAKE 1H
 API WELL NO
 47 - 103 - 02910
 STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1,298' WATERSHED: CAMP RUN QUADRANGLE: NEW MARTINSVILLE 7.5'
 DISTRICT: Magnolia COUNTY: Wetzel

SURFACE OWNER: Gary Lemons ACREAGE: 69.12 ±
 ROYALTY OWNER: Gary Lemons, ET UX LEASE NO: 873356 ACREAGE: 122.65 ±

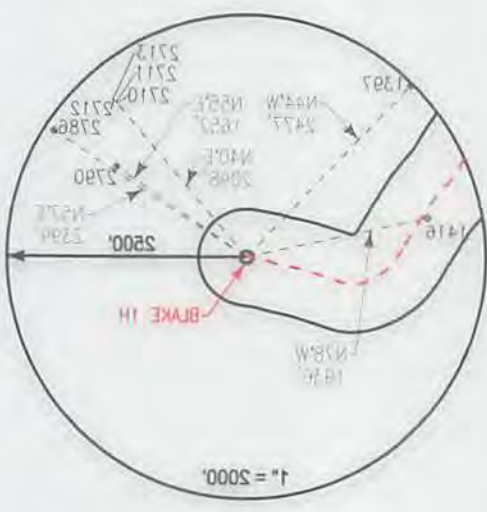
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,786'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330

TOP HOLE AS-DRILLED

| Tax ID | Parcel No. | County | District | Surface Tract Owner | Acres |
|--------|------------|--------|----------|--------------------------------|--------|
| 37 | 1 | Wetzel | Magnolia | Mark Edwin Scheibelhood | 37.66 |
| 36 | 2 | Wetzel | Magnolia | Herman J. & Sherman Richter | 80.62 |
| 35 | 3 | Wetzel | Magnolia | Heaven Partnership | 23.29 |
| 34 | 4 | Wetzel | Magnolia | Ronald L. Schupbach | 90.33 |
| 33 | 5 | Wetzel | Magnolia | Ronald L. Schupbach | 89.45 |
| 32 | 6 | Wetzel | Magnolia | John William Burton | 66.58 |
| 31 | 7 | Wetzel | Magnolia | Stone Energy Corporation | 4.19 |
| 30 | 8 | Wetzel | Magnolia | Stone Energy Corporation | 10.92 |
| 29 | 9 | Wetzel | Magnolia | Stone Energy Corporation | 3.93 |
| 28 | 10 | Wetzel | Magnolia | Schupbach Cemetery | 0.27 |
| 27 | 11 | Wetzel | Magnolia | George Z. Schupbach | 37.2 |
| 26 | 12 | Wetzel | Magnolia | Albert Kocher HRS | 33.01 |
| 25 | 13 | Wetzel | Magnolia | David L. & Ralph O. Smith | 28.12 |
| 24 | 14 | Wetzel | Magnolia | Cathy M. Westfall ET AL | 27.68 |
| 23 | 15 | Wetzel | Magnolia | Aaron Lloyd Lamons | 43.29 |
| 22 | 16 | Wetzel | Magnolia | David & Orion Neff | 11.97 |
| 21 | 17 | Wetzel | Magnolia | Danny L. & Orion F. Neff | 45.88 |
| 20 | 18 | Wetzel | Magnolia | Gary Patrick Fitzsimons | 71.99 |
| 19 | 19 | Wetzel | Magnolia | Gary & Judy Ann Lemons | 102.78 |
| 18 | 20 | Wetzel | Magnolia | Zharon L. Bearce | 37.2 |
| 17 | 21 | Wetzel | Magnolia | Zharon L. Bearce | 108.64 |
| 16 | 22 | Wetzel | Magnolia | David E. & Jeanne L. Schupbach | 96.43 |
| 15 | 23 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 0.19 |
| 14 | 24 | Wetzel | Magnolia | Ronald Lee & Monette Schupbach | 1.21 |
| 13 | 25 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 0.11 |
| 12 | 26 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 9.48 |
| 11 | 27 | Wetzel | Magnolia | Melvin E. & Wilda G. Schupbach | 36.87 |
| 10 | 28 | Wetzel | Magnolia | Ronald L. & Monette Schupbach | 68.49 |
| 9 | 29 | Wetzel | Magnolia | Stone Energy Corporation | 17.64 |
| 8 | 30 | Wetzel | Magnolia | Stone Energy Corporation | 39.92 |
| 7 | 31 | Wetzel | Magnolia | Franklin Ray Blake | 17.73 |
| 6 | 32 | Wetzel | Magnolia | Franklin Ray Blake | 108.47 |
| 5 | 33 | Wetzel | Magnolia | Gary Lemons | 11 |
| 4 | 34 | Wetzel | Magnolia | Gary Lemons | 17.73 |
| 3 | 35 | Wetzel | Magnolia | Gary Lemons | 2.27 |
| 2 | 36 | Wetzel | Magnolia | Gary Lemons | 8.02 |
| 1 | 37 | Wetzel | Magnolia | Gary Lemons | 79.7 |

11/16/2018



Notes:
 Blake 1H As-Drilled coordinates are
 NAD 83 UTM N: 4388,548,483 E: 517,252,678
 NAD 83 Lat: 39.848673 Long: -80.798830
 NAD 83 N: 450,250,000 E: 1,834,328,000

Blake 1H As-Drilled KOP coordinates are
 NAD 83 UTM N: 4388,548,398 E: 517,228,177
 NAD 83 Lat: 39.846473 Long: -80.799382
 NAD 83 N: 450,218,940 E: 1,834,112,740

Blake 1H As-Drilled Landing Point coordinates are
 NAD 83 UTM N: 4388,548,398 E: 518,788,811
 NAD 83 Lat: 39.848883 Long: -80.804502
 NAD 83 N: 450,387,080 E: 1,832,872,430

Blake 1H As-Drilled Bottom Hole coordinates are
 NAD 83 UTM N: 4388,888,842 E: 518,937,485
 NAD 83 Lat: 39.858387 Long: -80.814394
 NAD 83 N: 454,810,120 E: 1,829,922,380

Well location references are based upon the grid north meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

West Virginia Coordinates system of 1927 (North Zone) based upon Differential GPS Measurements.
 Plat orientation, Corner and well are based upon the grid north meridian.

Well References



- BLAKE PAD**
- BLAKE 5H
 - BLAKE 6H
 - BLAKE 3H
 - BLAKE 4H
 - BLAKE 1H
 - BLAKE 2H

LEGEND

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



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

Thomas C. Smith
 L.L.S. 687



FILE NO: W2030 (BK 50-21)
 DRAWING NO: _____
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: _____
 PROVEN SOURCE OF ELEVATION: _____
 NGS CORS Station

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

LOCATION ELEVATION: 1,298' WATERSHED: _____ CAMP RUN QUADRANGLE: NEW MARTINSVILLE 7.5'

DISTRICT: Magnolia COUNTY: Wetzel

SURFACE OWNER: Gary Lemons
 ROYALTY OWNER: Gary Lemons, ET UX
 LEASE NO: 873356
 ACREAGE: 125.85 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,786'

WELL OPERATOR: EQT Production Company
 ADDRESS: 115 Professional Place PO Box 280 Bridgeport, WV 26330
 DESIGNATED AGENT: Jason Ranson

STATE COUNTY PERMIT
 47 - 103 - 02910
 API WELL NO
 OPERATORS WELL NO: BLAKE 1H
 DATE: JULY 26 20 18

TOP HOLE AS-DRILLED