

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

August 13, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2101035, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 1681

Farm Name: KEITH, J. W.

API Well Number: 47-2101035

Permit Type: Plugging
Date Issued: 08/13/2015

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. This well is under a consent order and must be plugged under the terms of that agreement.

| Form WW-4 (B) Permit Copy (Rev 2/01) | | Date: Operator's Well Well No. API Well No.: | 656531 (K | July 21, 2015 etih #1681) 21 - 01035 | |
|---|---|--|-------------|--|---|
| DIVISIO | STATE OF WEST VIR ON OF ENVIRONMENTA OFFICE OF OIL AND | L PROTECTION | N | | |
| 4) Well Type: Oil Gas If Gas, Production X | N FOR A PERMIT TO PL X Liquid Injection Or Underground storage | | aste Dispos | _ | × |
| Location: Glenville District: 6) EQT Production Co | Watershed: Duck Creek County: Gilme | | angle: | Glenville | |
| Well Operator Address: 8) Oil & Gas Danny Mullins Name: 124 Big Trace Fork Road Address: Harts, WV 25624 | 9) Pl 220 Jack ACIO Ne | Bridge ugging Contractor: me: HydroCart dress: PO BOX 6 | bon Well Se | 3330 ervice | |
| 10) Work Order: The work order for the See Attachment for details and | | well is as follows: | | | |
| | | | | | |
| | | | | | |
| | | | | | |

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Date \$-4-15

Work order approved by inspector

PLUGGING PROGNOSIS

Keith, J.W. #1-1681(656531) Gilmer. Co. WV District, Glenville API # 47-021-01035 BY: R.Green DATE: 02/17/15

CURRENT STATUS:

10" @ 238' 8 1/4" @ 961'
8 1/4" @ 961'
6 5/8" @ 1954' (on packer set @ 1790')

65/8 " PERFORATED FROM 1810' TO 1798'.
TD @ 2150'
Elevation @ 983'

Fresh Water @ 95'
Salt Water @ None reported
Coal @ None reported
Gas Shows@ 1621', 1799',2081'
Oil Shows @ none reported

- 1. Notify State Inspector, Danny Mullins, 304-932-6844,24 hrs. Prior to commencing operations.
- 2. TIH to 2081', set 200' C1A cement plug 2081' to 1881' (Big Injun gas @ 2081', 6 5/8" casing seat).
- 3. TOOH tbg to 1881', gel hole 1881'to 1781' TOOH tbg.
- 4. Free point 6 5/8" casing, cut casing @ free point, (est@ 1790') TOOH casing.
- Set 100' C1A cement plug 50' in/out of cut, perforate all salt water, fresh water, coal, oil and gas shows below cut. Do not omit any plugs.
- 6. TOOH tbg 1740, gel hole 1740'to 1621'.
- 7. TOOH tbg to 1621', set 100' C1A cement plug 1621' to 1521' (gas show @ 1621').
- 8. TOOH tbg to 1521', gel hole 1521'to 1033'
- TOOH tbg to 1033', set 100' C1A cement plug 1033' to 933', (8 ¼" casing seat, elevation). TOOH tbg.
- 10. Free point 8 1/4" casing, cut casing @ free point, (est @850'), TOOH casing.
- Set 100' C1A cement plug 50' in/ out of casing cut, perforate all fresh water, salt water, coal, oil and gas shows below cut,. Do not omit any plugs.
- 12. TOOH tbg to 800'gel hole 800' to 500'.
- 13. TOOH tbg to 500', set 100' C1A cement plug 500' to 400'.(safety plug)
- 14. TOOH tbg to 400', gel hole 400' to 300'.
- 15. TOOH tbg to 300', set 300' C1A cement plug 300' to surface. (10" casing seat, fresh water)
- 16. Erect monument with API#.
- 17. Reclaim location, road to WV-DEP specifications.
- * SPOT GEL BEFORE SETTING FIRST CEMENT PLUG.
- * COVER PERFORATIONS WITH CIA CEMENT PLUG. ("1810'- 1710")

Office of Oil and Gas

JUL 2 4 2015

Company CARNEGIE NATURAL GAS COMPANY

Address 1015 Frick Bldg., Pittsburgh 19, Pa.

The surface of tract is owned in fee by Doy Landford

Mineral rights are owned by Jomes W. Keith et al

James W. Keith et al Acres 120

UNITED CARBON CO. GEOLOGICAL DEPT.

Location (waters) Duck Creek
Well No. 1 - 1681

Hydro-fracture

595

/10ths Water in_ /10ths Merc. in_

189,000

District Glenville

% A.J. Keith

Drilling commenced_

Drilling completed_

With_

Open Flow

Rock Pressure.

Fresh water_

Date Shot 9-26-55

Well No.__

DEPARTMENT OF MINES OIL AND GAS DIVISION 2

WELL RECORD Permit No. 011-1035

__County__ Gilmer

August 9th 1955

October 6th 1955

From 2081 To 2072

48

Elev. 9831

_Cu. Ft.

Ges Oil or Gas Well. (KIND) Used in Drilling Casing and Tubing Packers Size Kind of Packer. Anchor Size of 7" x 8-5/8" 238 238 961 961 Rt. #1, Box "16 Address Glenville, V. Va. Depth set 1790 1954 1954 6%-5 3/16_ Address Sand Fork, L. Va. Perf. top_ Perf. bottom 1810 Liners Used Perf. top. Perf. bottom . __Inch CASING CEMENTED. _hrs. COAL WAS ENCOUNTERED AT_ FEET. INCHES __bbls., 1st 24 hrs. FEET INCHES REET INCHES

| Salt water | | fec- | feet | FE | | | Ton the second |
|------------|-----------------|--------------------|--------|--------|----------------------|----------------|------------------|
| Formation | Color | Hard or Soft | Гэр | Bottom | Oil, Gas or Water | Depth Found | Remarks |
| Clay | Red | Soft | 0 | 20 | | | |
| Lime | Gray | Hard | 1 "7 | 35 | | | 1 |
| Clay | Red | Soft | | 47 | | | |
| Sand | | Hard | 1,7 | 85 | | | |
| Slate | White | Soft | 13 = | , 98 | Fresh water | 95 | 1 2.0 |
| Lime | White | Hard | 10 | 108 | | | |
| Slate | 670,000,000,000 | Soft. | 1,15 | 115 | | | |
| Red Rock | Red | Soft | 1 1.5 | 120 | | | 1 |
| Slate | White | Soft | 120 | 132 | | | |
| Red Rock | Red | Soft | 132 | 145 | 1 | | |
| Slate | Gray | Hard | 145 | 241 | 1 | | |
| Slate | Dark | Soft | 241 | 260 | | | |
| Shells | | - CONTRACTOR (C.) | 200 | 349 | | | |
| Red Rock | 1 | | 21, 2 | 395 | | - 53 | |
| Lime | | Hard | 395 | 410 | | | |
| Red Rock | | Soft | 110 | 425 | | | |
| Slate | White | | 1,25 | 145 | 1 1 | | |
| Red Rock | | Soft | 145 | 502 | 1 1 | - 1 | |
| Slate | | | 502 | 522 | 1 1 | | |
| Red Rock | | 1 | 522 | 545 | 1 | | |
| Slate | White | | 545 | 598 | 1 1 | | |
| Lime | | Hard | 598 | 610 | 1 | | 1 |
| Shells | | | 610 | 645 | | 7.4 | |
| Red Rock | | | 61,5 | 652 | 1 | | |
| Slate | | | 652 | 720 | 1 1 | | |
| Pink Rock | | | 720 | 730 | 1 1 | | |
| Slate | | | 730 | 775 | 1 | 8 | |
| Sand | White | Soft | 775 | 794 | 1 | | |
| Shells | WILL GO | 0020 | 794 | 830 | -557 | 262 | |
| Lime | | Hard | 830 | 871 | 251,6301 | 10000 | |
| Sand . | White | Hard | 871. | 932 | 1 /30 1 | 653 | Little Dunkare |
| Slate | | | 9.32 | 945 | 67 13 | 1955 | and a manter (|
| Sand | White | Hard | 945 | 974 | I BEAR | E | Rig Dunkard |
| Slate | | Shelly | 974 | 990 | RECT | | BIS PECEIVED |
| Sand | | 2.1.2.2.3 | 990 | 1011 | 1 (0 10 2) 45 | Edinia co | efice of Oil |
| Slate | | | 102.1 | 1027 | 120. C | MILES O | ffice of Oil and |
| Sand | White | Soft | 10:.7 | 1105 | 7.2 | | Gas Sand |
| Slate | Black | | 1105 | 1114 | / | | HIII O C |
| Sand | Dark | Soft. | 1111/1 | 1.188 | | | 1st Sait Sand |

| Formation | Color | Hard or Soft | Top 2 | Bettern | Oil, Gas or Water | Depth Found | Romarks | |
|--------------|----------|---------------------------------------|--------------|--------------|----------------------|----------------|----------------|-------|
| Slate | Black | Soft | 1188 | 1210 | | | | |
| Lime Sand | | 1 | 1210 | 1225 | | 1 . | 1 1 . | |
| Slate Shis | | 1 / | 1225 | 1254 | | 1 | 2nd Salt Sand | |
| and | | | 1254 | 2434 | | | erre pert 2sud | |
| Slate Shis. | | | 1434 1460 | 1460 | | 1 | 3rd Salt Sand | |
| and | | | 1618 | 1618 1702 | One al- | 2/02 24 | | |
| late Shla | | | 1702 | 1781 | Gas show | 1621-261 | 4th Salt Sand | |
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| and | ·· -·- · | ٠٠ | 1898 | 1928 - | - Dunn | at 1903 | Little Lime | |
| late | · ·· | Boft | 1928 | 1930 | Dr. ea | # WE TAO3. | Blue Monday | |
| and . | | | 1930 | 1985 | | | Rig Lime | |
| ime | Dark | 77 | 1985 | 1992 | | | DER TITIES | |
| and. | | Hard | 1992 | 2000 | | 1112 | Big Lime | |
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APPROVED CARNEGIE NATURAL GAS COLPANY, Owner

Environmental Projection

| WW-4-A | |
|--------------|--|
| Revised 6/07 | |

1) Date: July 21, 2015
2) Operator's Well Number 656531 (Ketih #1681)
3) API Well No.: 47 021 - 01035

County

Permit

State

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

| 4) | Surface Owner(| (s) to be served: | 5) (a) Coal | Operator: | |
|----|----------------|-------------------------------|--------------|------------------------------|---|
| | (a) Name | Parker E. and Wilma Tallhamer | Name | None | |
| | Address | 3568 Spruce Run Road | Address | | |
| | | Glenville, WV 26351 | _ | | |
| | (b) Name | | (b) Coal Ow | vner(s) with Declaration | |
| | Address | | Name | J. W. Keith Estate | / |
| | | | | C/O Jacky Persinger, Trustee | / |
| | | | Address | P. O. Box 129 | |
| | | | | Sand Fork, WV 26430-0129 | |
| | (c) Name | | Name | | |
| | Address | | Address | See Attachment. | |
| | | | _ | | |
| 6) | Inspector | Danny Mullins | (c) Coal Les | ssee with Declaration | |
| | Address | 124 Big Trace Fork Road | Name | None | |
| | | Harts, WV 25524 | — Address | | |
| | Telephone | (304) 932-6844 | | | |
| | | 2 | - | | |
| | | | | | |

TO THE PERSONS NAMED ABOVE:

You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator:
By:
Victoria J.Roark
Victoria J.Roark
Permitting Supervisor
Address:
PO Box 280
Bridgeport, WV 26330
Telephone:

Subscribed and sworn before me this
My Commission Expires:

Well Operator:
EQT Production Company
Victoria J.Roark
Permitting Supervisor
Address:
PO Box 280
Bridgeport, WV 26330

(304) 848-0076

May of
Notary Public

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information and the process of the Privacy Officer at deprivacyoffice (1) and the secure your personal information and the process of the Privacy Officer at deprivacyofficer (2) and the process of the privacy Officer at deprivacyofficer (3) and the process of the privacy Officer at deprivacyofficer (3) and the process of the privacy Officer at deprivacyofficer (3) and the process of the privacy Officer (4) and the p

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JUL 2 4 201

08//14/2015 WV Department of Environmental Protection

WW2-A

Additional Coal Owners

Wilma Tallhamer 3568 Spruce Run Road / Glenville, WV 26351-8197

Susan Acord 3774 Sanford Drive Brunswick, OH 44212-2603

Sheryl Kathleen Angel 4950 Walther Road Kettering, OH 45429-1944

Nedra K. Downs 1682 Lexington Drive Lancaster, OH 43130-1215

Janet L. Madru 138 Scioto Street Chillicothe, OH 45601-2633

Raetta Willodene Lawson 981 Ulmer Road Lot 121 Frostproof, FL 33843-3551

ET Bluegrass Appolo Divison P. O. Box 2347 Charleston, WV 25328

> RECEIVED Office of Oil and Gas

> > JUL 2 4 2015

WV Department of Environmental 08 1/14/2015

WW-9 Revised 2/03

| Page of | | | | |
|------------------|--------|-------|-------|--|
| 2) Operator's We | II Nur | nber | | |
| 656531 (Ketih #1 | (681 | | | |
| 3) API Well No.: | 47 | 021 - | 01035 | |

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

| Operator Name: | | UCTION COMPAN | | OP ID: | | |
|---|--|--|--|--|--|---|
| Watershed: | Larritob | Duck Creek | | Quadrangle: | Glenville | |
| Elevation: | 1044 ft. | County: | Gilmer | District: | Glenville | |
| Description of anti | icipated Pit Was | ste: | | Formation Fluid | ls | |
| Do you anticipate Will synthetic line | _ | | er to complete th | ne proposed well wo | rk? Yes I 10 ml | No <u>X</u> |
| Proposed Dispose | Land App Undergro Reuse (a | ound Injection - UIC at API Number) isposal Permit #. | Permit Number | = | | |
| 07/2 | sed, what type | s well? Air, freshwa ? Synthetic, petrole | | etc | | |
| If left in Landfill I certify that I u issued on August understand that the permit and/or otherstand that in the permit and/or otherstand. | pit and plan to so or offsite name/p nderstand and a 1, 2005, by the e provisions of a applicable law | agree to the terms a Office of Oil and Ga the permit are enfor or regulation can le | and conditions of the West Virceable by law. | ent, Lime, sawdust f the GENERAL WA /irginia Division of El Violations of any ter | nvironmental Prote ms or condition of | ection. I the general |
| application form a for obtaining the ir significant penaltie | nd all attachme nformation, I bel es for submitting | nts thereto and that, ieve that the inform gralse information, i | , based on my ir ation is true, ac | nquiry of those individuate and complete ssibility of fine or imp | duals immediately . I am aware that | responsible |
| A 1/74 | icial Signature | 15/7/894 1/30 49 804.92 (Feb. | -d- Dd- | | 901 | <u> </u> |
| A 151 | icial (Typed or | 1204 M2 | oria Roark | 7 | | |
| Company Off | d sworn before | | ing Supervisor day of | | | 2015 |
| My Commissio | M | STATE OF WILLIAM MISTY S | ALSEAL WEST VIRGINIA WORLD IC Christie | Notary F | Public Offic | RECEIVED ce of Oil and Gas JUL 2 4 2015 Department of |
| | The state of the s | Bridgeport, My Commission Expire | is February 20, 2018 | | Enviro | nmental Protection |

| | LE | GEND | OPERATOR'S WELL NO.: 656531 (Ketih #1681 |
|--|---|--|--|
| Property Boundary - | | Diversion | 1111111 |
| | • | Spring | Wet Spot |
| Road | | ○ → | -G- |
| Planned Fence | Drain Pipe | with size in inches | Water Way |
| // | | - 13 | ← → ← → |
| Existing Fence | Strea | 奥 | Cross Drain |
| | , — | | |
| Open Ditch | | Filter Strip | Rock |
| | | XXX | % |
| North | Building | Water well | Drill site |
| N | | W | \oplus |
| Pit with Cut Walls | Pit with Com | pacted Walls Area o | of Land Application of Pit Wasi |
| posed Revegetation Treatment | : Acres Disturbed: | 1± Prevegetatio | n pH |
| ime 3 Tons/ | acre or to correct to | | n pH lbs/acre (500 lbs minimum |
| ime 3 Tons/ | acre or to correct to alent acre or hydroseed. | pH <u>6.5</u> 1/3 ton | |
| ime 3 Tons/ | acre or to correct to | pH <u>6.5</u> 1/3 ton | lbs/acre (500 lbs minimum |
| Lime 3 Tons/ Fertilizer (10-20-20) or equivalent 2 Tons/ Area I | acre or to correct to alent acre or hydroseed. | pH <u>6.5</u> 1/3 ton | |
| Lime 3 Tons/ Fertilizer (10-20-20) or equivolution 2 Tons/ Area I Seed Type | acre or to correct to valent acre or hydroseed. SEED MIXTU | pH 6.5 1/3 ton RES Seed Type | Ibs/acre (500 lbs minimum Area II Ibs/acre |
| Lime 3 Tons/ Fertilizer (10-20-20) or equivolute 2 Tons/ Area I Seed Type Red Fescue | acre or to correct to valent acre or hydroseed. SEED MIXTU | pH 6.5 1/3 ton | lbs/acre (500 lbs minimum Area II |
| Lime 3 Tons/ Fertilizer (10-20-20) or equivolutch 2 Tons/ Area I Seed Type Red Fescue Asike Clover | acre or to correct to ealent acre or hydroseed. SEED MIXTU | pH 6.5 1/3 ton RES Seed Type Red Fescue | Ibs/acre (500 lbs minimum Area II Ibs/acre |
| Fertilizer (10-20-20) or equivalent 2 Tons/s Area I Seed Type Red Fescue Alsike Clover Annual Rye ATTACH: Photocopies section of involved plan approved by: | acre or to correct to ralent acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15 and proposed area for 7.5' topographic sheet | The state of the s | Ibs/acre (500 lbs minimum Area II Ibs/acre |
| Fertilizer (10-20-20) or equivalent in the second section of involved in approved by: | acre or to correct to ralent scre or hydroseed. SEED MIXTU Ibs/acre 40 5 15 and proposed area for 7.5' topographic sheet | The state of the s | Ibs/acre (500 lbs minimum Area II Ibs/acre |

08//14/2015

| Topo Quad:_ | Glenville 7.5' | Scale: | 1 " = 2 | 000' |
|-------------|--|---|---------------|--|
| County: | Gilmer | Date: | July 6, | 2015 |
| District: | Glenville | Project N | lo:25-19- | 00-07 |
| | 47-021-01035 | WV 656531 | (Keith #168 | 31) Topo |
| Gem | | | | Sfrip Mine |
| | | Mine 7555 | | 4 |
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| CSD | pweit | Low Age Well | | |
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| | | 1-01035 | | |
| | | 656531 | | |
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| | | | | RECEIVED Office of Oil and Gas |
| | | Gas Well preventing | Gas well | JUL 2 4 2015 |
| | | | | WV Department of |
| | | | Gas Wells . | vironmental Protection |
| | une. | | | NAD 27, South Zone N: 688912.64 |
| | | lle 7.5° Quadrangle tile 7.5° Quadrangle | Sas - 17 | E: 2059291.15 WGS 84 |
| Bull | e Con | West | Bullyit | LAT: 38.891787 LONG: -80.791527 ELEV: 1043.54 |
| LEGHE | SURVEYING AND MAPPING SERVICE | | PREPARED FOR: | |
| ULAVEYS, IN | ALLEGHENY SUI 1-800-482-860 237 Birch River F Birch River, WV 2 PH: (304) 649-80 FAX: (304) 649-8 | 6 Road 6610 806 | | luction Company P.O. Box 280 geport, WV 26330 08//14/2015 |

Environmental Progenion

WW-7 8-30-06

Signature



West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

| API: 47-021-01035 WELL NO.: WV 656531 (Keith #1681) |
|--|
| FARM NAME:James W. Keith, et al |
| RESPONSIBLE PARTY NAME: EQT Production Company |
| COUNTY: Gilmer . DISTRICT: Glenville . |
| QUADRANGLE: Glenville 7.5' |
| SURFACE OWNER: Parker and Wilma Tallhamer . |
| ROYALTY OWNER:J. W. Keith Estate, et al |
| UTM GPS NORTHING: 4304789 . |
| UTM GPS EASTING: 518080 . GPS ELEVATION: 318 m (1044 ft) . |
| The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Differential Real-Time Differential Mapping Grade GPS _X : Post Processed Differential Real-Time Differential Letter size convect the topography map showing the well legation. |
| 4. Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data 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 Office of Oil and Gas. |

08//14/2015

| Topo Quad: | Glenville 7.5' | Scale: | 1 " = 2000' | |
|---------------|---|--|---|------------------------------------|
| County: | Gilmer | Date: | July 6, 2015 | |
| District: | Glenville | Project No: | 25-19-00-07 | |
| Water | 47-021-01035 W | V 656531 (K | eith #1681) | |
| Rhodes Cem | BIS Hollow Powell Knab | ater Samples within | Trylate - Care Well | |
| | 47-021-01035 WV 656531 | RECE Office of Country of Characteristics of Country of Characteristics of Country of Characteristics of Country of Characteristics of Characteris | N: 688 N: 688 E: 205 WGS 8 | 7, South Zone 912.64 9291.15 |
| Bull | 842 Cem | Environmen | lai Protaction LONG. ELEV: | -80.791527 1043.54 |
| TEGHEN O | SURVEYING AND MAPPING SERVICES PERI ALLEGHENY SURV 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608 | FORMED BY: | PARED FOR: EQT Production P.O. Box 28 Bridgeport, WV | 30 |



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Keith #1681 - WV 656531 - API No. 47-021-01035 .

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 656531.

RECEIVED
Office of Oil and Gas

JUL 2 4 2015

WV Department of Environmental Protection

BIRCH RIVER OFFICE

237 Birch River Road Birch River, WV 26610 phone, 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE 172 Thompson Drive

Bridgeport, WV 26330 phone: 304-848-5035 fox: 304-848-5037

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