



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Tuesday, August 16, 2016
WELL WORK PERMIT
Vertical / Plugging

FQ ENERGY SERVICES, LLC
28407 STATE ROUTE 7

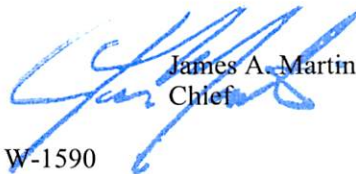
MARIETTA, OH 45750

Re: Permit approval for W-1590
47-085-09721-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number: W-1590
Farm Name: MASON, MARY
U.S. WELL NUMBER: 47-085-09721-00-00
Vertical / Plugging
Date Issued: 8/16/2016

Promoting a healthy environment.

08/19/2016

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 within two years of the date of issuance of this permit.

WW-4B
Rev. 2/01

1) Date _____, 20____
2) Operator's
Well No. W1590
3) API Well No. 47-085-09721

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____ / Gas ____ / Liquid injection X / Waste disposal ____ /
(If "Gas, Production ____ or Underground storage X) Deep X / Shallow ____

5) Location: Elevation 1057 FT Watershed Huskies Run and Bonds Creek
District GRANT County Ritchie Quadrangle Ellenhoro

6) Well Operator FQ Energy services 7) Designated Agent Douglas Gmbbert
Address 28407 SR 7 Address 28407 SR 7
MARIETTA W 45750 MARIETTA W 45750

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name MIKE GOFF Name TOP drilling
Address P.O. Box 134 Address 3 South Heights
PULLMAN W 26421 PARKERSBURG W 26101

10) Work Order: The work order for the manner of plugging this well is as follows:

***** PLEASE SEE ATTACHED SHEET Procedures on Ritchie *****

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

Work order approved by inspector Michael Daff Date 7/20/16

Procedures on Ritchie #1 Location Plugging Job

ok gnam

*Perforations @ 6033-6067

*Total Depth 6068 ft.

Day 1- Prep the Location. Move in-Rig up. Unjacket Packer.

Pull 2 7/8 with Packer out of hole.

Day 2- Run 2 7/8 to 6050 ft and set perforation plug *FROM PBD OF 6068 TO 5550. (518')*
5550-4450 ft. = 1100 ft. plug. *gnam*

Finish pulling the tubing out of hole.

Day 3- Cut 4.5 in. of casing @4400 ft.

Set plug @4450-3450 ft =1000 ft plug.

Set plug @3450-2450 ft=1000 ft plug.

Day 4- Set plug @2450-1450 ft =1000 ft. plug

Set plug @ 1450-725 ft=725 ft. plug

Set plug @ 725-425 ft=300 ft. plug

Set plug @425 ft-Surface.

Day 5- Rig Down Move Off Location.

1% gel spacers between plugs

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MAG
H-16
08/19/2016

Construction of Monument

- A piece of 6" casing about 6 feet long
 - 3 feet will be in the ground
 - 3 feet will stick out of the ground and will be Painted orange and API number will be stamped On it in ½ " letters in height.

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Wellbore Schematic

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Well: **Mason W-1890**
API: **47-085-09721**

Current Status
 - 5/28/2009 Plunger installed, Stand set at 5772'
 - Scraper run to 6000' before setting stand
 - Moved Stand to 5981 in January 2010
 1-2012
 Stand removed, Plugged back to new TD of 6068'
 Tubing run in well on Packer to 5970'

 MIT Test approved - 2/3/12 Cowan

 Prepped per UIC 2D0859721
Action Items
 - Construct Injection Facilities

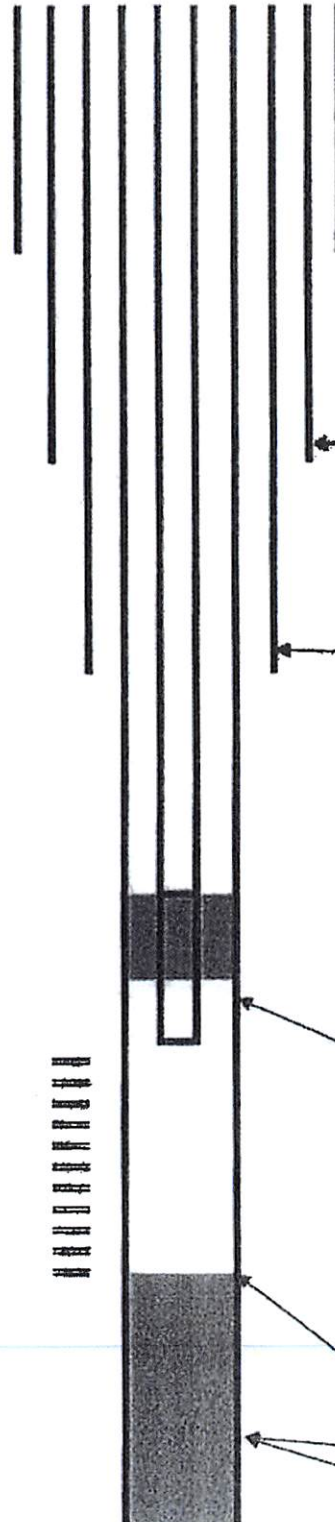
Frac Date: **9/25/2008**
 Logger TD: **6068**

TOC: **4450**

Perforations:

| | |
|-------|-------|
| 6,045 | 6044 |
| 6,049 | 6047 |
| 6,058 | 6051 |
| 6,057 | 6055 |
| 6,060 | 6059 |
| 6,062 | 6,061 |
| 6,064 | 6,063 |
| 6,066 | 6,065 |
| 6,068 | 6,067 |

Current depth 09



7/3/2008
 31' 13 3/8" Conductor Casing
 15" Hole

7/3/2008
 321' 9 5/8" Surface Casing (26#)
 12 1/4" Hole Cemented to surface

7/4/2008
 2090' 7" Intermediate Casing (17#)
 8 7/8" Hole Cemented to surface

Baker Hughes Packer set 5972'
 NOTE: Encountered a tight spot in 4 1/2" casing that packer would not go down through at ~5990'

| Collars (Cemented) | |
|--------------------|------|
| 5772 | 5814 |
| 5856 | 5898 |
| 5939 | 5981 |
| 6023 | |

1/18/2012
 Cement Plug back up to 6068'

7/12/2008
 6130' 4.5" R-3 Prod. Csg (10.5#)
 6130' 6 3/8" Hole
 (Cemented to 4450)

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WR-35
Rev (9-11)

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

WV Department of
Environmental Protection
DATE: 4-13-12
API #: 47-085-09721

PL

Farm name: Everett Mason Operator Well No.: W-1688

LOCATION: Elevation: 1057' Quadrangle: Ellenboro

District: Grant County: Ritchie
Latitude: 12050 Feet South of 89 Deg. 17 Min. 00 Sec.
Longitude 4480 Feet West of 81 Deg. 05 Min. 00 Sec.

Company: Haught Energy Corporation

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|---------------|------------------------|
| <u>12864 Staunton TPKB Smithville, WV 26178</u> | | | | |
| Agent: <u>Warren R. Haught</u> | <u>13-3/8"</u> | <u>31'</u> | <u>31'</u> | <u>Existing</u> |
| Inspector: <u>David Cowan</u> | <u>9-5/8"</u> | <u>321'</u> | <u>321'</u> | <u>Existing</u> |
| Date Permit Issued: <u>April 6, 2011</u> | <u>7"</u> | <u>2050'</u> | <u>2050'</u> | <u>Existing</u> |
| Date Well Work Commenced: <u>2/07/2012</u> | <u>4-1/2"</u> | <u>6103'</u> | <u>6103'</u> | <u>Existing</u> |
| Date Well Work Completed: <u>04/13/2012</u> | <u>2 7/8"</u> | | <u>5,970'</u> | <u>NA</u> |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/> | | | | |
| Total Vertical Depth (ft): | | | | |
| Total Measured Depth (ft): | | | | |
| Fresh Water Depth (ft.): | | | | |
| Salt Water Depth (ft.): | | | | |
| Is coal being mined in area (N/Y)? <u>No</u> | | | | |
| Coal Depth (ft.): <u>NA</u> | | | | |
| Void(s) encountered (N/Y) Depth(s) <u>None</u> | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Conversion Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

[Signature]
Signature

4-13-12
Date

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Environmental Protection
Env. 05/02/2014

85-0972/P

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Existing Well

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Existing 6044' - 6068'

Packer @ 5,970'

Plug Back Details Including Plug Type and Depth(s): 6,140' to 6,068 - Class A Cement

| <u>Formations Encountered:</u> | <u>Top Depth</u> | <u>Bottom Depth</u> |
|--------------------------------|------------------|---------------------|
| <u>Surface:</u> | | |

Existing

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CR-D

WR-35
Rev (5-01)

DATE: October 10, 2008
API #: 47-083-09721

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Everett Mason Operator Well No.: W-13661

LOCATION: Elevation: 1057' Quadrangle: Elcenboro

District: Grant County: Richie
Latitude: 12050 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 4450 Feet West of 81 Deg. 05 Min. Sec.

Company: Trans Capital Investment
Whittle Corporation

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up (Cu. Ft.) |
|---|-----------------|------------------|--------------|--------------------------|
| <u>HC 68 Box 14</u> | | | | |
| <u>Smithville, WV 26178</u> | | | | |
| <u>Agents Warren R. Haught</u> | <u>13 3/8"</u> | <u>31'</u> | <u>31'</u> | |
| <u>Inspector David Cowan</u> | | | | |
| <u>Date Permit Issued: 04/17/08</u> | <u>9 5/8"</u> | <u>321'</u> | <u>321'</u> | <u>Cement to surface</u> |
| <u>Date Well Work Commenced: 07/02/08</u> | | | | |
| <u>Date Well Work Completed: 09/30/08</u> | <u>7"</u> | <u>2090'</u> | <u>2090'</u> | <u>Cement to surface</u> |
| <u>Verbal Plugging:</u> | | | | |
| <u>Date Permits granted on:</u> | <u>4 1/2"</u> | <u>6140'</u> | <u>6140'</u> | <u>2000' fill up</u> |
| <u>Rotary Cable Rig</u> | | | | |
| <u>Total Depth (feet): 6146'</u> | | | | |
| <u>Fresh Water Depth (ft.): 190'</u> | | | | |
| <u>Salt Water Depth (ft.): None</u> | | | | |
| <u>Is coal being mined in area (N/Y): N</u> | | | | |
| <u>Coal Depths (ft.):</u> | | | | |

OPEN FLOW DATA

Producing formation Marcellus Shale Pay zone depth (ft) 6083-6116
Gas: Initial open flow 500 MCF/d Oil: Initial open flow - Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 1950 psig (surface pressure) after 24 Hours

Second producing formation Pay zone depth (ft)
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Trans Capital Investment/ Whittle Corp.
By: Warren R. Haught, AGENT
Date: 10/09/08

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DEC 19 2008
WV Department of
Environmental Protection

OCT 02 2009

08/19/2016

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WV Department of
Environmental ProtectionMason W-1590
API # 47-085-09721

| Formation | Top | Bottom | Remarks |
|------------------|------|--------|---------------|
| Red Rock & Shale | 0 | 640 | |
| Sand | 640 | 675 | |
| Red Rock | 675 | 765 | |
| Sand | 765 | 775 | |
| Red Rock | 775 | 830 | |
| Slate | 830 | 910 | |
| Dunkard Sand | 910 | 920 | |
| Slate & Shells | 920 | 1300 | |
| Gas Sand | 1300 | 1410 | |
| Slate | 1410 | 1478 | |
| 1st Salt Sand | 1478 | 1638 | |
| Shale | 1638 | 1674 | |
| 2nd Salt Sand | 1674 | 1692 | |
| Shale | 1692 | 1730 | |
| 3rd Salt Sand | 1620 | 1730 | |
| Slate | 1730 | 1816 | |
| Maxon Sand | 1816 | 1855 | |
| Shale | 1855 | 1925 | |
| Little Lime | 1925 | 1954 | |
| Pencil Cave | 1954 | 1954 | |
| Big Lime | 1954 | 2052 | |
| Big Injun Sand | 2052 | 2112 | |
| Slate Break | 2112 | 2116 | Slight Show |
| Squaw Sand | 2116 | 2130 | Gas 2050' |
| Slate & Shells | 2130 | 2394 | |
| Coffee Shale | 2394 | 2428 | |
| Berea Sand | 2428 | 2432 | |
| Slate & Shells | 2432 | 2548 | |
| Sand | 2548 | 2580 | |
| Slate & Shells | 2580 | 2620 | |
| Sand | 2620 | 2832 | |
| Slate & Shells | 2832 | 4484 | |
| Benson Sand | 4484 | 4490 | |
| Slate & Shells | 4490 | 4985 | |
| Alexander Sand | 4985 | 4996 | |
| Slate & Shells | 4996 | 5394 | |
| Sand | 5394 | 5414 | |
| Slate & Shells | 5414 | 6044 | Gas Show 6050 |
| Hamilton Shale | 6044 | 6068 | |
| Tully Lime | 6068 | 6072 | |
| Marcellus Shale | 6072 | 8110 | Gas Show 6100 |
| Onondaga Lime | 8110 | | |
| TD | 8148 | | |

OCT 02 2009

08/19/2016

8509721A

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WW-4A
Revised 6-07

AUG 01 2016

1) Date: _____
2) Operator's Well Number
W 1590
3) API Well No.: 47 - 085 - 09721

WV Department of
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

| | |
|---------------------------------------|------------------------------------|
| 4) Surface Owners(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>Pearl EVRETT MASON II</u> | Name <u>N/A</u> |
| Address <u>NATHANIAL LYLE MASON</u> | Address _____ |
| <u>PO Box 235 ellenboro WV 26346</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>N/A</u> |
| _____ | Address _____ |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| _____ | _____ |
| 6) Inspector <u>MIKE GOFF</u> | (c) Coal Lessee with Declaration |
| Address <u>P.O. Box 134</u> | Name <u>N/A</u> |
| <u>FULLMAN WV 26421</u> | Address _____ |
| Telephone <u>(304) 549-9823</u> | _____ |

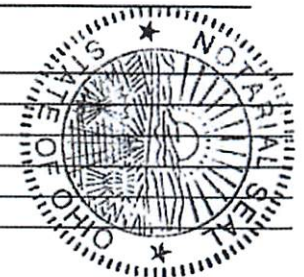
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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 Department 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 FQ Energy Services
 By: Douglas Gabbert
 Its: designated agent
 Address 2840 SR7
Marietta Oh 45750
 Telephone 740-373-4599



Subscribed and sworn before me this 16th day of June 2016
Phyllis M. Warr Notary Public
 My Commission Expires August 8, 2020

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

08/19/2016

WW-4B

API No. 47-085-09721
Farm Name MASON
Well No. W1590

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator N/A / owner N/A / lessee N/A / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____
Its _____

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name FQ Energy Services LLC OP Code _____

Watershed (HUC 10) Huckers Run and Bonds creek Quadrangle Ellenboro

Elevation 1057 FT County Ritchie District Grant

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No _____

Will a pit be used for drill cuttings? Yes _____ No X HALF ROUND STEEL TANK

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes _____ No X If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application
- X Underground Injection (UIC Permit Number 2208516142)
- _____ Reuse (at API Number _____)
- _____ Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____)

HAG
7/26/16

Will closed loop system be used? _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

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I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are criminal penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Roy Boyd

Company Official (Typed Name) Roy Boyd

Company Official Title FQ Water-Well Service Manager



Subscribed and sworn before me this 16th day of June, 2016

Phyllis M. Mark Notary Public

My commission expires August 8, 2020

PHYLIS M MARK
Notary Public State of Ohio
My Commission Expires
August 8, 2020
08/19/2016

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed + - 1/4 ACRE Prevegetation pH N/A
 Lime N/A Tons/acre or to correct to pH N/A
 Fertilizer type N/A
 Fertilizer amount N/A lbs/acre
 Mulch N/A Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|------------|----------|------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| <u>N/A</u> | | <u>N/A</u> | |
| | | | |
| | | | |

Attach:
 Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

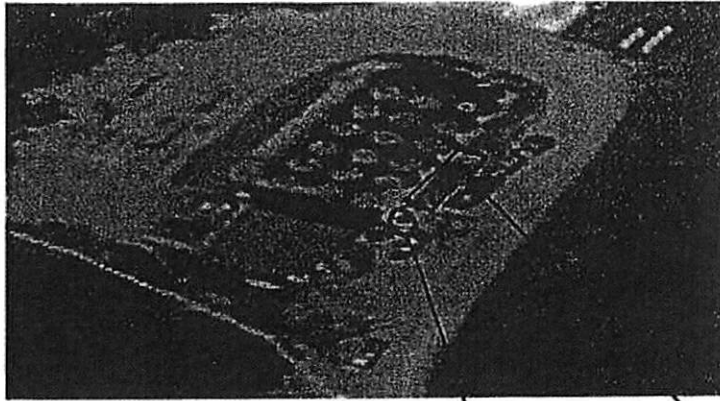
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Michael Daff
 Comments: Reclaim disturbed areas

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WV Department of
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Title: Oil & Gas Inspector Date: 7/20/16
 Field Reviewed? () Yes () No



Note: The "Well-Head" is circled.

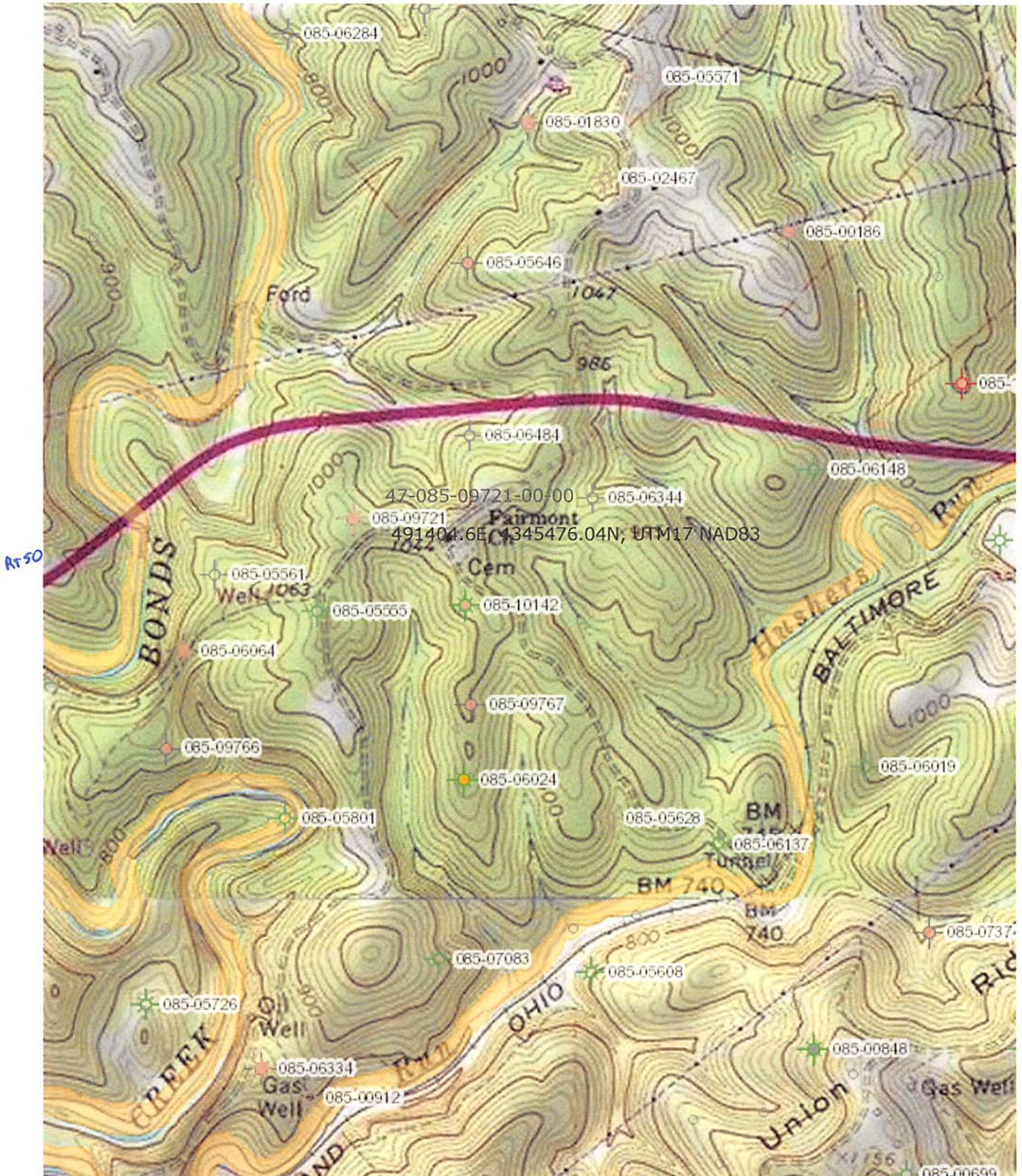
Note: The "1/2 round" steel tank used for pit fluid
& Waste is circled.

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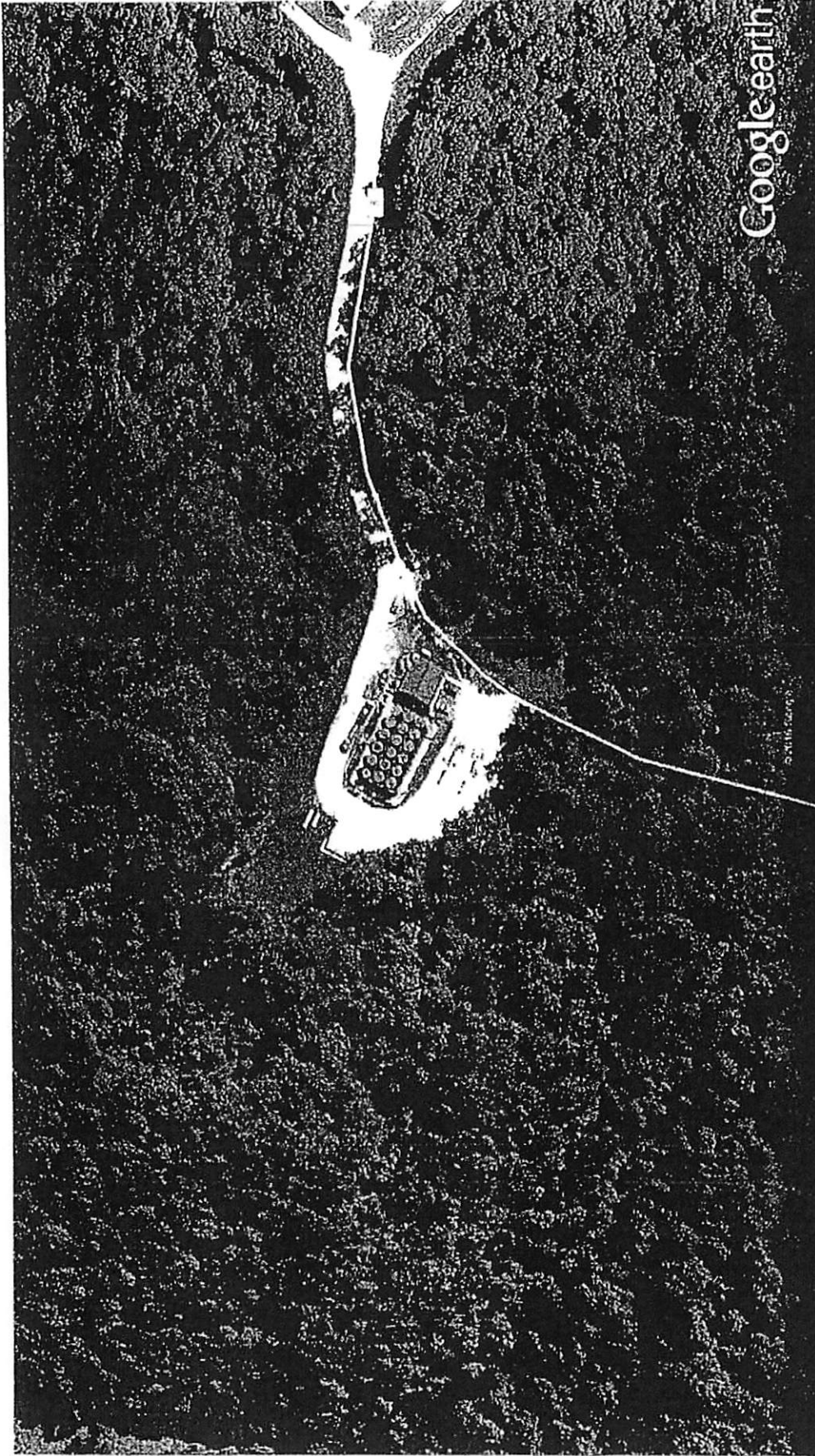
WV Department of
Environmental Protection

MAG
7/26/16 08/19/2016



08/19/2016

8509721A



Google earth

feet
meters

1000
300



Google earth

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08/19/2016

WW-7
8-30-06



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

API: 47-085-09721 WELL NO.: W 1590

FARM NAME: MASON

RESPONSIBLE PARTY NAME: FQ Energy Services LLC

COUNTY: Ritchie DISTRICT: Grant

QUADRANGLE: ELLENBORO

SURFACE OWNER: MARY MASON

ROYALTY OWNER: EVERT & NATHANIAL MASON

UTM GPS NORTHING: 43454 76.04

UTM GPS EASTING: 491404.6 GPS ELEVATION: 1057 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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____

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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.

Roger Bush Well Services Man. 6-16-2016
Signature Title Date