



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

PERMIT MODIFICATION APPROVAL

November 09, 2015

EQT PRODUCTION COMPANY
120 PROFESSIONAL PLACE
BRIDGEPORT, WV 26330

Re: Permit Modification Approval for API Number 10302732, Well #: 513923 EQT
PRODUCTION CO.

Revised Lateral Length

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

Gene Smith
Assistant Chief of Permitting
Office of Oil and Gas

Promoting a healthy environment.

11/13/2015



August 24, 2015

4710302732 MOD

Mr. Gene Smith
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Modification of 103-02732

Dear Mr. Smith,

Enclosed is an updated WW-6B, schematics, WW-6A1 and mylar plat, signed by the inspector. EQT would like to revise the length of the lateral. The top hole has not changed.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

Vicki Roark
Permitting Supervisor-WV

Enc.

cc:Douglas Newlon

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AUG 25 2015

WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Production Company
Operator ID 306686 County 103 District 4 Quadrangle 254

2) Operator's Well Number: 513923 Well Pad Name BIG190
Coastal Forest Resources Co fka Coastal

3) Farm Name/Surface Owner: Lumber Co Public Road Access: _____

4) Elevation, current ground: 1,473.5 Elevation, proposed post-construction: 1,473.5

5) Well Type: (a) Gas Oil Underground Storage
Other _____

(b) If Gas: Shallow Deep
Horizontal

6) Existing Pad? Yes or No: yes

DMH 8/20/15

7) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):
Target formation is Marcellus at a depth of 7560 with the anticipated thickness to be 51 feet and anticipated target pressure of 2620 PSI

8) Proposed Total Vertical Depth: 7560

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 14,379

11) Proposed Horizontal Leg Length 6,263

12) Approximate Fresh Water Strata Depths: 675, 680, 747

13) Method to Determine Fresh Water Depth: By offset wells

14) Approximate Saltwater Depths: N/A

15) Approximate Coal Seam Depths: 411, 1166, 1198

16) Approximate Depth to Possible Void (coal mine, karst, other): None reported

17) Does proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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Environmental Protection

47 103 02732 MSV

WW - 6B
(4/15)

API NO. 47 - 103 - 02732
 OPERATOR WELL NO. 513923
 Well Pad Name: BIG190

CASING AND TUBING PROGRAM

18)

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu.Ft.)
Conductor	20	New	MC-50	81	40	40	38 C.T.S.
Fresh Water	13 3/8	New	J-55	54.5	844	844	738 C.T.S.
Coal	-	-	-	-	-	-	-
Intermediate	9 5/8	New	A-500	40	2,750	2,750	1,078 C.T.S.
Production	5 1/2	New	P-110	20	14,379	14,379	See Note 1
Tubing	2 3/8		J-55	4.6			May not be run, if run will be set 100' less than TD
Liners							

DMH 8/20/15

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	24	0.375	-	18	Construction	1.18
Fresh Water	13 3/8	17 1/2	0.38	2,730	2,184	* See Note 2	1.21
Coal							
Intermediate	9 5/8	12 3/8	0.395	3,950	3,160	* See Note 2	1.21
Production	5 1/2	8 1/2	0.361	12,640	10,112	-	1.27/1.86
Tubing							
Liners							

Packers

Kind:	N/A		
Sizes:	N/A		
Depths Set:	N/A		

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at least 500' above the shallowest production zone, to avoid communication.

Note 2: Reference Variance 2014-17. (Attached)

Page 2 of 3

4710302732 No. 9

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and complete a new horizontal well in the marcellus formation. The vertical drill to go down to an approximate depth of 5981 then kick off the horizontal leg into the Marcellus using a slick water frac.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals (including 15% Hydrochloric acid, gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to average approximately 8500 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 200,000 barrels of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per stage.

21) Total area to be disturbed, including roads, stockpile area, pits, etc. (acres): no additional

22) Area to be disturbed for well pad only, less access road (acres): no additional

23) Describe centralizer placement for each casing string.

- Surface: Bow spring centralizers – One at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers– One cent at the shoe and one spaced every 500'.
- Production: One spaced every 1000' from KOP to Int csg shoe

24) Describe all cement additives associated with each cement type. Surface (Type 1 Cement): 0-3% Calcium Chloride

Used to speed the setting of cement slurries

0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the cement slurry to a thief zone.

Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low temperature formations to speed the setting of cement slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of whole drilling fluid or cement slurry (not filtrate) to a thief zone.

Production:

DMH 8/20/15

Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time.

0.3% CFR (dispersant). Makes cement easier to mix.

47 103 02732 NOV

Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening time.

0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.

60 % Calcium Carbonate. Acid solubility.

0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.

25) Proposed borehole conditioning procedures. Surface: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating

one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5

minutes. To ensure that there is no fill, short trip two stands with no circulation. If there is fill, bring compressors back on

and circulate hole clean. A constant rate of higher than expected cuttings volume likely indicates washouts that will not clean up.

Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at

surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. If foam drilling, to enhance

hole cleaning use a soap sweep or increase injection rate & foam concentration.

Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume.

Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across

the shakers every 15 minutes.

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*Note: Attach additional sheets as needed.



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Charleston, WV 25304
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(304) 926-0452 fax

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

March 18, 2014

Nabors Completion & Production Services Company
1380 Route 286 Hwy E #121
Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam,

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

- Type I (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

Sincerely,

James Peterson
Environmental Resources Specialist / Permitting

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4710302732 MoP

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11/13/2015



West Virginia Department of Environmental Protection

Office of Oil and Gas
601 5th Street, SE
Charleston, WV 25304
(304) 928-0450
(304) 928-0452 fax

Hart Kay Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

IN THE MATTER OF A VARIANCE FROM
REGULATION 35 CSR § 4-11.4/11.5/14.1
AND 35 CSR § 8-9.2.b. 4/5/6/8 OF THE
THE OPERATIONAL
REGULATIONS OF CEMENTING OIL
AND GAS WELLS

ORDER NO. 2014 - 17

4710302732

Map

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection casing of oil and gas wells.

FINDINGS OF FACT

1.) Nabors Completion & Production Services Co. proposes the following cement blend:

- 2% Calcium Chloride (Accelerator)
- 0.25 % Super Flake (Lost Circulation)
- 94% Type "1" Cement
- 5.20 % Water

2.) Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24 hours.

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WV Department of

Environmental Protection

CONCLUSIONS OF LAW

Pursuant to Articles 6 and 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection casing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

Dated this, the 18th day of March, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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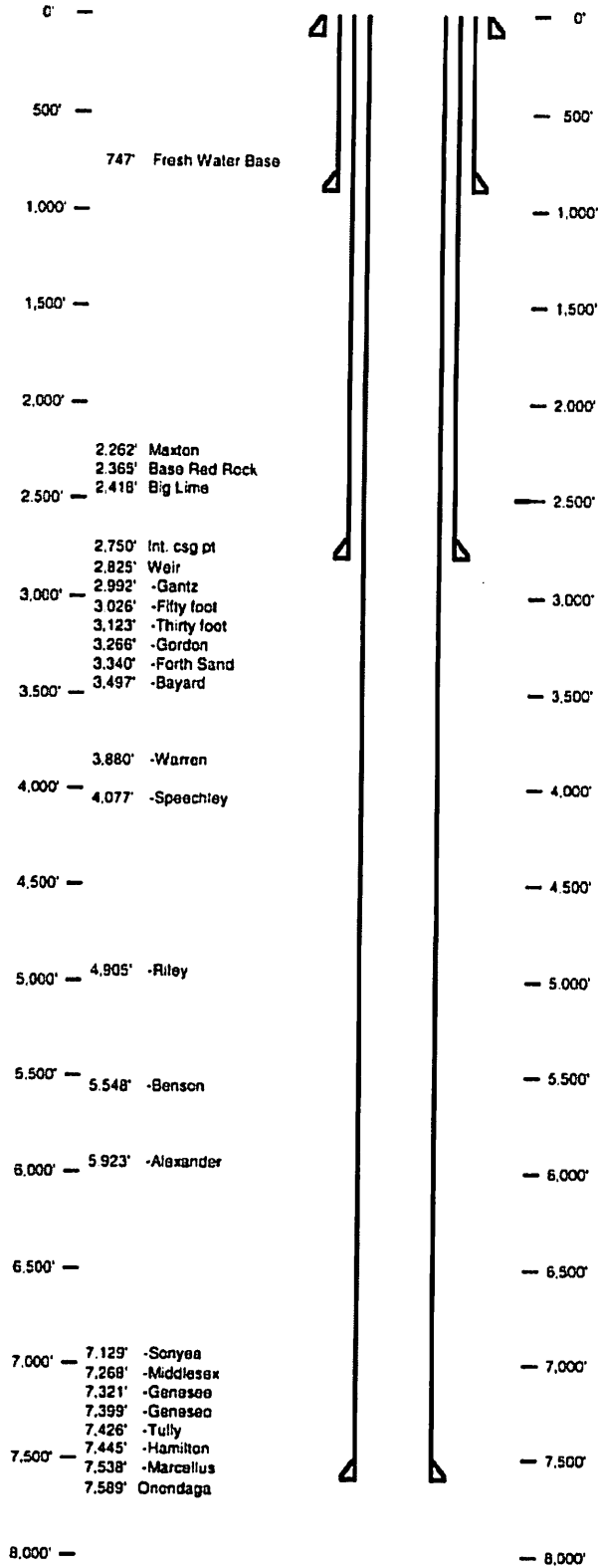
WV Department of
Environmental Protection
11/13/2015

Well Schematic
EQT Production

Well Name 513023 (BIG190H7)
County Wetzell
State West Virginia

Elevation KB:
Target
Prospect
Azimuth
Vertical Section

1485
Marcellus
344
7655



Hole Size 24" - 20" Conductor at 40'
B4 Size 17.5'

TOC @ Surface
13 3/8" MC 50, 54.5# @
B4 Size 12 3/8" 844' R MD

4710302732M

TOC @ Surface
9 5/8" MC 50, 40# @ 2,750' R MD
B4 Size 8.5'

DMH 8/20/15

KOP = 5,981' R MD
10 Deg DLS

Land @ 6,118' R MD
7,560' R TVD
8 1/2", P-110, 20# 14,370' R MD
7,560' R TVD

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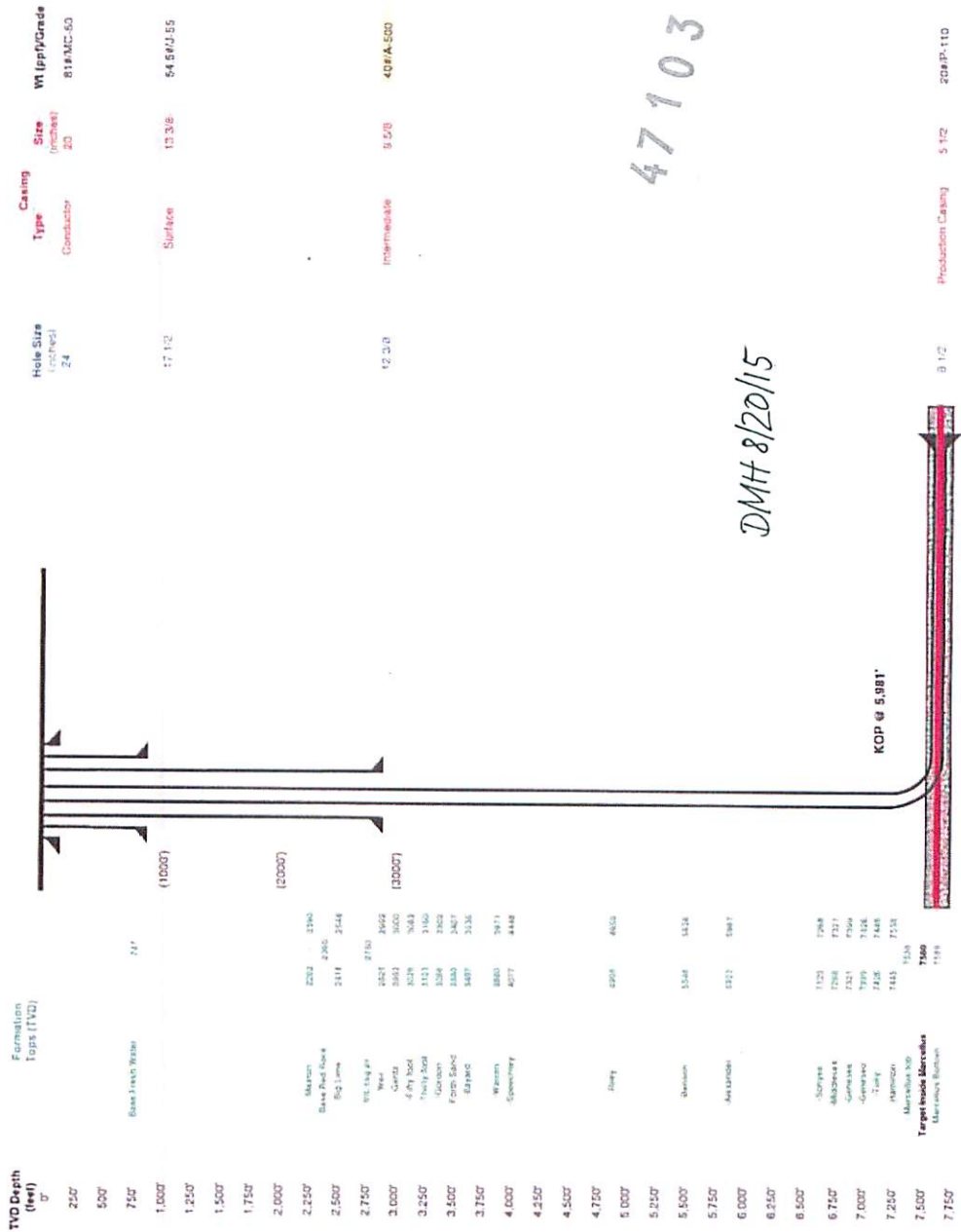
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11/13/2015

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AUG 25 2015

4710302732 DMH

Well 513923 (BIG190H7)
EQT Production
Big Run
Wetzel

West Virginia
Azimuth 344
Vertical Section 7855



DMH 8/20/15

Proposed Well Work:
Drill and complete a new horizontal well in the Marcellus formation.
The vertical drill to go down to an approximate depth of 5,981'.
Then kick off the horizontal leg into the Marcellus using a slick water frac.

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

4710302732 NoP

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
<u>988530</u>	Mills Wetzel Lands, Inc.	EQT Production Company	Min 1/8 pd	OG 126A/288
			Min 1/8 pd	
<u>708354</u>	Margaret Sloan, et al	Carnegie Natural Gas Company		DB 2A/409
	Carnegie Natural Gas Company	Eastern States Oil & Gas Company		LB 81A/133
	Eastern States Oil & Gas Company	Equitable Production - Eastern States Oil & Gas		CB 13/14
	Equitable Production - Eastern States Oil & Gas	Equitable Production Co.		CB 13/14
	Equitable Production Co.	EQT Production Company		CB 13/14
<u>300710</u>	A. H. Low & S. T. M. Low	Hope Natural Gas Co.	Min 1/8 pd	OG 5A/123
	Hope Natural Gas Co.	Consolidated Gas Supply Corp.		DB 223/387
	Consolidated Gas Supply Corp.	Consolidated Gas Transmission Corp.		LB 66A/69
	Consolidated Gas Transmission Corp.	CNG Transmission Corp.		CB 13/151
	CNG Transmission Corp.	Eastern States Oil & Gas Compa		LB 76A/232
	Eastern States Oil & Gas Company	Blazer Energy Corp		CB 12/253
	Blazer Energy Corp	Eastern States Oil & Gas Company		CB 12/259
	Eastern States Oil & Gas Company	Equitable Production - Eastern States Oil & Gas		CB 13/14
	Equitable Production - Eastern States Oil & Gas	Equitable Production Co.		CB 13/14
	Equitable Production Co.	EQT Production Company		CB 13/14

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

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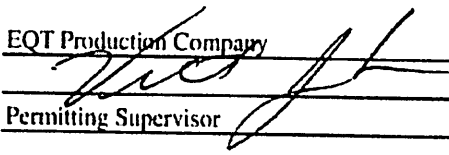
11/13/2015

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company
By: 
Its: Permitting Supervisor

Page 1 of 1

4710302732 MDP

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WV 513923
EQT Production Company
Mills-Wetzel Land, Inc.
659 Acres

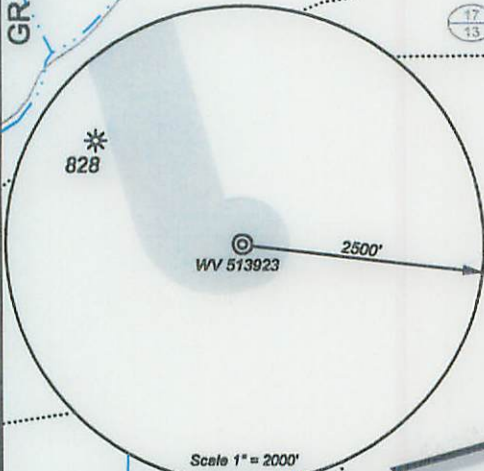
- Big 190**
- H1, 513504
 - H2, 513505
 - H3, 513506
 - H4, 513507
 - H5, 513508
 - H7, 513923
 - H8, 513924
 - H9, 513925
 - H11, 513927
 - H12, 513928
 - H13, 513930

6330' LATITUDE 39 - 35 - 00

LONGITUDE 80 - 35 - 00

Notes:
 WV 513923 coordinates are
 NAD 27 N: 385,158.34 E: 1,688,205.06
 NAD 27 Lat: 39.552216 Long: -80.605781
 NAD 83 UTM N: 4,378,142.97 E: 533,885.06
 WV 513923 Landing Point coordinates are
 NAD 27 N: 385,144.24 E: 1,687,880.40
 NAD 27 Lat: 39.552242 Long: -80.607527
 NAD 83 UTM N: 4,378,135.90 E: 533,719.19
 WV 513923 Bottom Hole coordinates are
 NAD 27 N: 391,163.82 E: 1,685,934.50
 NAD 27 Lat: 39.568626 Long: -80.614097
 NAD 83 UTM N: 4,379,961.04 E: 533,162.83
 West Virginia Coordinate 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.

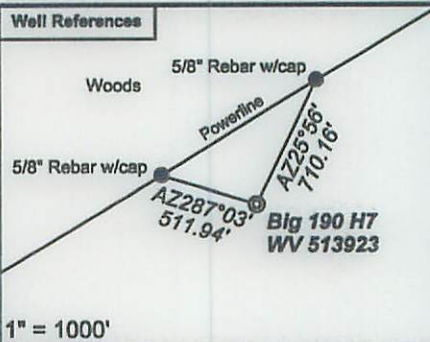
GRID NORTH



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

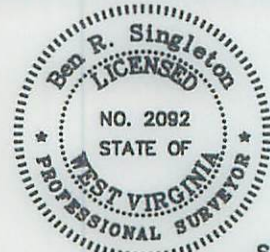
(*) Denotes Location of Well on United States Topographic Maps 1" = 1000'

Lease No.	Acres	Owner
708354	62.25	Francis Long, et al.
300710	103.3	James Douglas White, et al.



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.

Ben R. Singleton
 P.S. 2092



SEAL

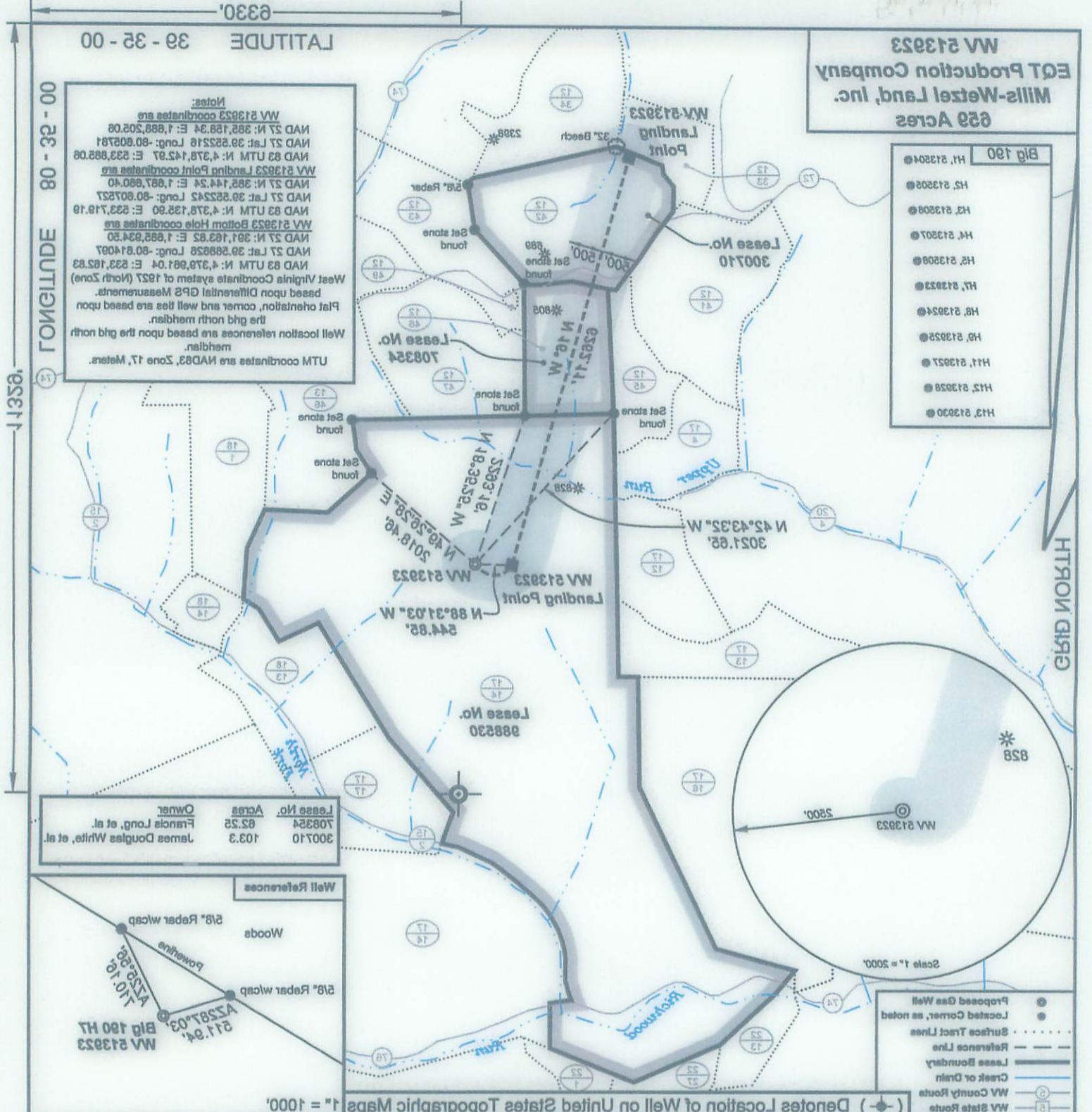
FILE NO: 196-34-G-10
 DRAWING NO: 196-10 Big 190 H7
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: August 3 20 15
 OPERATOR'S WELL NO.: 513923
 API WELL NO
 47 - 103 - 02732
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1473.5' (As-built) WATERSHED Upper Run and North Fork QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: Coastal Forest Resources Co. f/k/a Coastal Lumber Company ACREAGE: 1669.5
 ROYALTY OWNER: Mills-Wetzel Land, Inc. LEASE NO: 988530 ACREAGE: 659
 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: TVD = 7,538'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330



WV 513823
EQT Production Company
Mills-Wetzel Land, Inc.
659 Acres

- Big 190**
- H1, 513804
 - H2, 513805
 - H3, 513806
 - H4, 513807
 - H5, 513808
 - H7, 513823
 - H8, 513824
 - H9, 513825
 - H11, 513827
 - H12, 513828
 - H13, 513830

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.

P.S. 2092



FILE NO.: 198-34-G-10
 DRAWING NO.: 198-10 Big 190 HT
 SCALE: 1" = 2000'
 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: August 3 20 15
 OPERATOR'S WELL NO.: 513823
 API WELL NO.
 STATE COUNTY PERMIT
 47 103 02732

WELL OPERATOR: EQT Production Company
 ADDRESS: 115 Professional Place PO Box 280
Biggsport, WV 26330

DESIGNATED AGENT: Rex C. Ray
 ADDRESS: 115 Professional Place PO Box 280
Biggsport, WV 26330

ROYALTY OWNER: Mills-Wetzel Land, Inc.
 LEASE NO: 988230
 ACRES: 659

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PROPOSED WORK: PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD = 7,238'

LOCATION: ELEVATION: 1473.5' (As-built) WATERSHED Upper Run and North Fork QUADRANGLE: Big Run

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

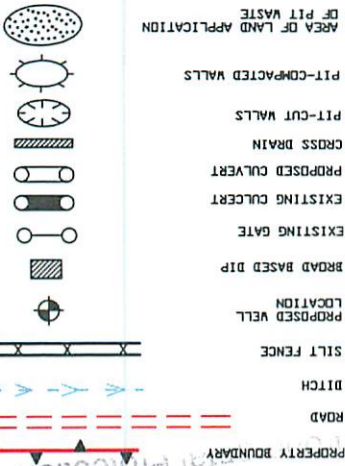
DISTRICT: Grant COUNTY: Wetzel

ACRES: 1636.5

11/13/2015

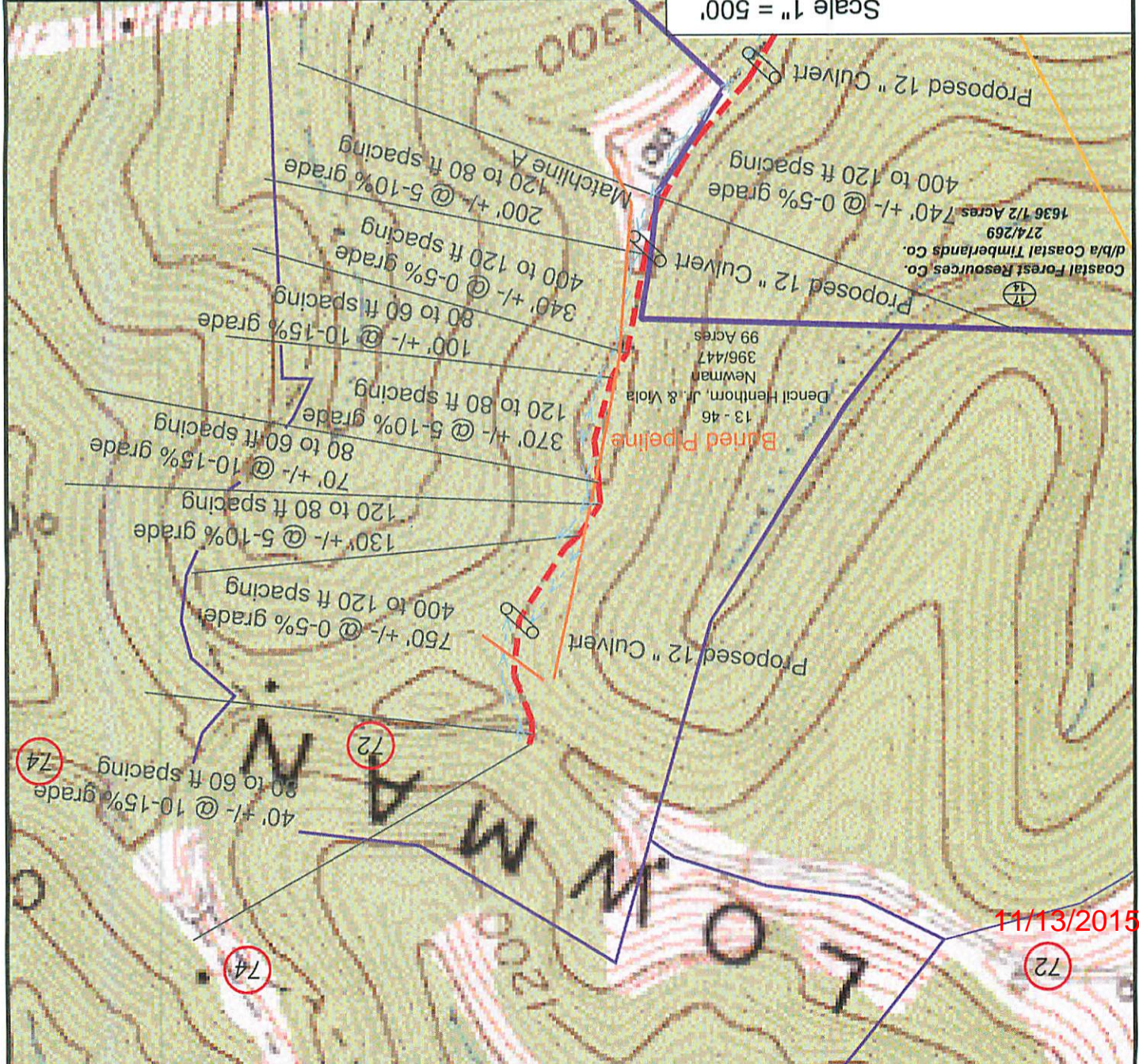
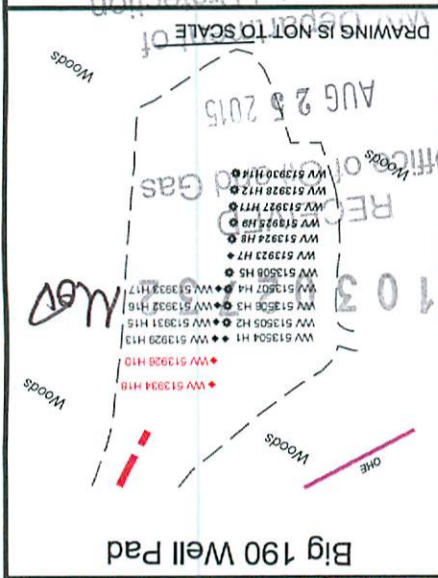


ALLEGHENY SURVEYS, INC.
 SURVEYING AND MAPPING SERVICES PERFORMED BY:
 Birch River Office
 Phone: (304) 649-8606
 Fax: (304) 649-8608
 237 Birch River Road
 P.O. Box 438
 Birch River, WV 26610



DRAWN BY: Scott Brown		DATE: February 24, 2015	FILE NO. 196-34-G-10	DRAWING FILE NO. BIG 190 Well Pad Rec pg 1
15" minimum diameter culverts	0 Culverts	SECTION OF THE Big Run 7.5 USGS QUADRANGLE Projected culvert inventory. (for bid purposes only)		
12" minimum diameter culverts	0 Culverts			

Denotes to install 12" minimum culvert (X)
 Denotes a proposed stream crossing (if applies) (C)
 *see table for culvert detail!
 Unless otherwise noted, all roads shown hereon are existing and shall be maintained in accordance with WV D.E.P., Office of Oil and Gas Erosion and Sediment Control Field Manual as revised 2/98
 Entrances upon county/state roads shall be maintained in accordance with WV D.O.T. regulations, however, separate permits may be required by the WV D.O.T.
 Sediment basins (traps) and appropriate erosion control barriers are to be constructed at all culverts and cross-drains as required in the aforementioned Erosion and Sediment Control Field Manual. Where field conditions dictate, alternative erosion control measures shall be enacted as required.
 Earthwork contractors are responsible for notification to the operator and inspector prior to any deviation from this plan. Temporary seed and mulch all slopes after construction of location.
 Cut and stack all marketable timber.
 Staked brush may be used for sediment control.
 Applications for separate Public Land and Corporation Permits on the access roads stream crossings have been prepared (if applicable).
 Additional culverts and/or other drainage structures and sediment control devices may be required by the WV D.E.P., Oil & Gas Inspector.
 Operator is responsible for the coordination with contractor and Allegheny Surveys regarding any changes or additions the state may require.



11/13/2015



ALLEGHENY SURVEYS, INC.
 SURVEYING AND MAPPING SERVICES PERFORMED BY:
 Birch River Office
 Phone: (304) 649-8606
 Fax: (304) 649-8608
 237 Birch River Road
 P.O. Box 438
 Birch River, WV 26610

DRAWN BY: Ben Singleton		DATE: February 24, 2015	FILE NO: 196-34-G-10	DRAWING FILE NO: BIG 190 Well Pad Rec pg 2
15" minimum diameter culverts	0 Culverts	Approximate Total Disturbance	Construction	Complete
12" minimum diameter culverts	0 Culverts	Proposed Access Road	Construction	Complete
Projected culvert inventory (for bid purposes only)	Well Site Location	Construction	Complete	Complete
Big Run 7.5' USGS QUADRANGLE		Proposed Disturbance Area		

SECTION OF THE
 Big Run 7.5' USGS QUADRANGLE
 Projected culvert inventory (for bid purposes only)

Unless otherwise noted, all roads shown hereon are existing and shall be maintained in accordance with WV D.E.P. Office of Oil and Gas Erosion and Sediment Control Field Manual as revised 2/98 and shall be maintained in accordance with WV D.E.P. Office of Oil and Gas Erosion and Sediment Control Field Manual as revised 2/98.

Entrances upon county/state roads shall be maintained in accordance with WV D.O.T. regulations, however, separate permits may be required by the WV D.O.T.

Sediment basins (traps) and appropriate erosion control barriers are to be constructed at all culverts and cross-drains as required in the aforementioned Erosion and Sediment Control Field Manual. Where field conditions dictate, alternative erosion control measures shall be enacted as required.

Earthwork contractors are responsible for notification to the operator and inspector prior to any deviation from this plan. Temporary seed and mulch all slopes after construction of location.

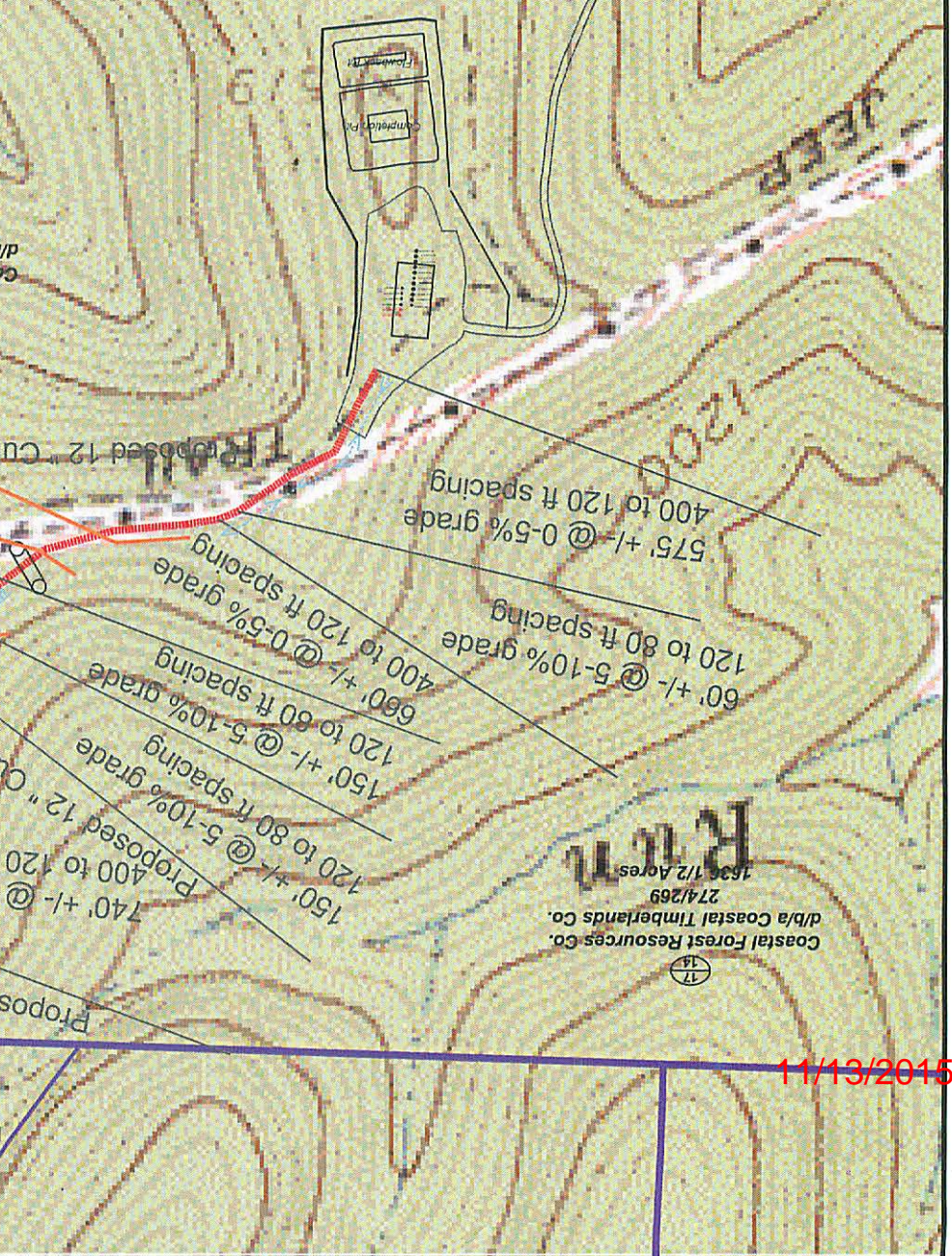
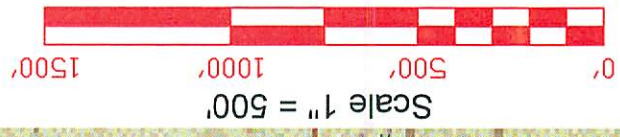
Cut and stack all marketable timber.

Stacked brush may be used for sediment control.

Applications for separate Public Land and Corporation Permits on the access roads stream crossings have been prepared (if applicable).

Additional culverts and/or other drainage structures and sediment control devices may be required by the WV D.E.P. Oil & Gas Inspector.

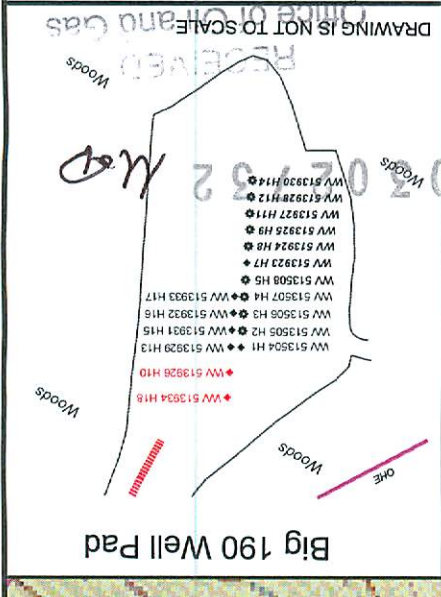
Operator is responsible for the coordination with contractor and Allegheny Surveys regarding any changes or additions the state may require.



WW-9

PROPOSED BIG 190 WELL PAD

PAGE 2 OF 2



PROPERTY BOUNDARY
 ROAD
 DITCH
 SLT FENCE
 PROPOSED WELL LOCATION
 BRAD BASED DIP
 EXISTING GATE
 EXISTING CULVERT
 PROPOSED CULVERT
 CROSS DRAIN
 PIT-CUT WALLS
 PIT-COMPACTED WALLS
 AREA OF LAND APPLICATION OF PIT WASTE

11/13/2015

Brewer, Charles T

From: Brewer, Charles T
Sent: Thursday, September 03, 2015 11:00 AM
To: 'Roark, Vicki'
Subject: RE: modification of 103-02732 (513923)

Vicki,

Upon review of this modification, I see that the intermediate string was shortened from 3,474 (originally permitted length), to 2,750 (on the requested mod). Is this the case? If so, reducing the length of the intermediate casing would require re-noticing coal owners (or obtaining a signed waiver) as this string is covering two of the coal seams listed.

Thanks,

Taylor Brewer, B.S., M.S.
Environmental Resource Specialist 3
Permit Review
WVDEP Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
304-926-0499 ext. 1547

-----Original Message-----

From: Roark, Vicki [<mailto:VRoark@eqt.com>]
Sent: Monday, August 31, 2015 8:41 AM
To: Brewer, Charles T
Subject: modification of 103-02732 (513923)

Taylor, please let me know if you need anything further.

- 1) The BIG190 pad construction was completed in May 2012.
- 2) Below is the list of wells we have spud and current status
 - a. 103-02731, 513508: Spud June 2012, TD'd Sept 2012 - Currently producing
 - b. 103-02730, 513507: Spud May 2012, TD'd August 2012 - Currently Producing
 - c. 103-02729, 513506: Spud June 2012, P&A'd.
 - d. 103-02728, 513505: Spud June 2012, TD'd August 2012 - Currently Producing
 - e. 103-02727, 513504: Spud Feb. 2014, Currently top set only
 - f. 103-02732, 513923: Spud March 2014, Currently top set only
 - g. 103-02733, 513924: Spud Nov. 2013, TD'd Jan. 2014 - Currently Producing
 - h. 103-02734, 513925: Spud Nov. 2013, TD'd Jan 2014 - Currently Producing
 - i. 103-02735, 513927: Spud Sept. 2012, October 2012 TD'd - Currently Producing
 - j. 103-02736, 513928: Spud Oct. 2012, TD'd Nov. 2012 - Currently Producing
 - k. 103-02856, 513930: Spud Nov. 2013, TD'd Jan. 2014 - Currently Producing

I recently received a modification request for the Big 190 pad, for the above referenced API number. Could you please send me some info (a timeline of sorts) including the following information:

- When the construction of the pad was completed?
- What drilling has occurred on the pad and when?
- Where this specific well stands as far as drilling that has been conducted?

Thanks,

Taylor

Taylor Brewer, B.S., M.S.
Environmental Resource Specialist 3
Permit Review
WVDEP Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
304-926-0499 ext. 1547

EQT - Where energy meets innovation.
www.eqt.com

WW-6A
(9-13)

API NO. 47 - 103 - 02732
OPERATOR WELL NO. 513923
Well Pad Name: BIG190

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION**

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: _____ Date Permit Application Filed: _____

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

47 103 02732 NOV

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

- Application Notice
- WSSP Notice
- E&S Plan Notice
- Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: _____ 0
Address: _____ 0

_____ 0

Name: _____ 0
Address: _____ 0

_____ 0

SURFACE OWNERS(s) (Road and/or Other Disturbance)

Name: _____ 0
Address: _____ 0

_____ 0

Name: _____ 0
Address: _____ 0

_____ 0

SURFACE OWNER(s) (Impoundments/Pits)

Name: _____ 0
Address: _____ 0

_____ 0

COAL OWNER OR LESSEE

Name: CNX Land Resources, Inc.
Address: CNX Center, 1000 Consol Energy Drive
Canonsburg, PA 15317-6506
_____ 0

See attached for additional coal owners.

COAL OPERATOR

Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: _____ 0
Address: _____ 0

_____ 0

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

11/13/2015

WW6-A

Additional Coal Owners:

Mills-Wetzel Land Inc.
C/O Michael Beemer
Suite 2400
222 North LaSalle St. 26th
Chicago, IL 60601-1100

Reserve Coal Properties Company
Consolidation Coal Company
C/O Leatherwood, Inc.
CNX Center, 1000 Consol Energy
Canonsburg, PA 15317-6506

4710302732 MOD

11/13/2015

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oilandgas/pages/default.aspx.

4710302732 NOV

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A
(8-13)

API NO. 47 - 103 - 02732
OPERATOR WELL NO. 513923
Well Pad Name: BIG190

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court. (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

11/13/2015

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

47 103 02732 MOD

Notice is hereby given by:

Well Operator: EQT Production Company
Telephone: 304-848-0082
Email: Vroark@eqt.com

Address: 115 Professional Place P.O. Box 280
Bridgeport, WV 26330
Facsimile: 304-848-0041

Oil and Gas Privacy Notice:

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

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, 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.

Victoria Reark

By: Victoria Reark

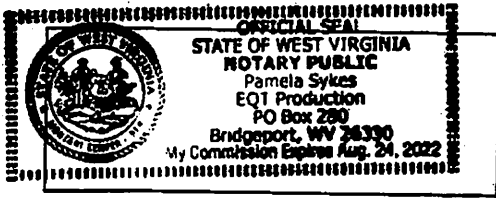
Its: Permitting Supervisor

Subscribed and sworn before on 18 day of Sept, 2015

Pamela Sykes

Notary Public

My Commission Expires 8-24-22



4710302732 MGT

7015 1520 0003 0946 3800

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

Certified Mail Fee \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

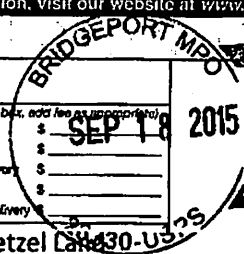
Postage \$ _____

Total Pos \$ _____

Sent To C/O Michael Beemer
 Suite 2400
 222 North LaSalle St 26th
 Chicago IL 60601-1100

PS

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



4710302732 MOD

7015 1520 0003 0946 3794

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com™.

Certified Mail Fee \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

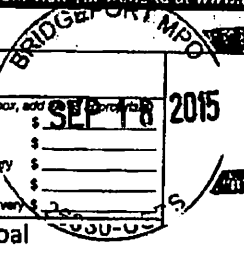
Postage \$ _____

Total Pos \$ _____

Sent To Reserve Coal
 Consolidation Coal Co
 C/O Leatherwood Inc
 CNX Center 1000 Consol Energy Dr
 Canonsburg PA 15317

PS

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



7015 1520 0003 0946 3787

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

Certified Mail Fee \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Pos \$ _____

Sent To CNX Land
 CNX Center 1000 Consol Energy Dr
 Canonsburg PA 15317

PS

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

