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

October 09, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4102395, 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: 4113
Farm Name: SMITH
API Well Number: 47-4102395
Permit Type: Plugging
Date Issued: 10/09/2015

Promoting a healthy environment.

4102395P

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.

41 02395P

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: September 21, 2015
Operator's Well
Well No. 604113 (E. W. Smith #2)
API Well No.: 47 041 - 02395

CK # 19879
$100

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4)
Well Type: Oil ____ Gas X Liquid Injection ____ Waste Disposal: ____
If Gas, Production X Or Underground storage ____ Deep ____ Shallow X

5) Elevation: 358 ft Watershed: Maxwell Run
Location: Hackers Creek County: Lewis Quadrangle: Weston
District:

6) Well Operator Address: EQT Production Company, 120 Professional Place, Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place, Bridgeport, WV 26330

8) Oil & Gas Name: Barry Stollings
Address: 28 Conifer Drive, Bridgeport, WV 26330

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995, Buckhannon, WV 26201

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

See Attachment for details and procedures.

OFFICE USE ONLY

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

Work order approved by Inspector [signature] Date 10-1-15

RECEIVED
Office of Oil and Gas
OCT 08 2015
WV Department of
Environmental Protection

4102395P

PLUGGING PROGNOSIS

Smith, E.W. #2 (604113)

Lewis Co., WV
API # 47-041-02395
Dist: Courthouse

BY: Craig Duckworth
DATE: 09/03/15

CURRENT STATUS:

10" csg	@ 165' (pulled)
8 1/4" csg	@ 835' (pulled)
5 3/16" csg	@ 1892' (packer 1892'
3" tbg	@ 2317' (packer 2192')

TD @ 2319'

Fresh Water @ None reported
Salt Water @ None reported
1st Salt Sand @ 725'
Coal @ None reported
Gas Shows @ 5th Sand @ 2300'; Gantz @ 1903'; Squaw @ 1555'; Big Injun @1481'; 2nd Salt Sand @1020'
Oil Shows @ None reported
Stimulation: None reported
Elevation: 1176'

1. Notify State Inspector, Barry Stollings 304-552-4194, 24 hrs. Prior to commencing operations.
2. Attempt to pull 3"csg. Free Point 3", cut 3" @ free point, TOOH w/ 3" csg
3. TIH w/ tbg @ 2317'; Set 117' C1A Cement Plug @ 2317' to 2200' (Gas Shows @ 5th Sand 2300' & 3"csg seat) WAIT 4 HRS. TAG CEMENT. ADD CEMENT IF NECESSARY.
4. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 3" cut. Do not omit any plugs
5. TOOH w/ tbg @ 2200'; gel hole @ 2200' to 1942'
6. TOOH w/ tbg, Free Point 5 3/16", cut 5 3/16" @ free point, TOOH w/ 5 3/16" csg
7. TIH w/ tbg @ 1942'; Set 100' C1A Cement Plug @ 1942' to 1842' (5 3/16" csg cut)
8. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 5 3/16" cut. Do not omit any plugs
9. TOOH w/ tbg @ 1842'; gel hole @ 1842' to 1555 '
10. TOOH w/ tbg @ 1555'; Set 174' C1A Cement Plug @ 1555' to 1381'(Gas Show @ 1555' Squaw & 1481' Big Injun)
11. TOOH w/ tbg @ 1381'; gel hole @ 1381' to 1020'
12. TOOH w/ tbg @ 1176'; Set 206' C1A Cement Plug @ 1176' to 970' (Gas show @ 1020' 5th Sand & Elevation @ 1176')
13. TOOH w/ tbg @ 970'; gel hole @ 970' to 885'
13. TOOH w/ tbg @ 885'; Set 260' C1A Cement Plug @ 885' to 625' (8 1/4" csg seat & Salt Sand @ 725')
14. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs
15. TOOH w/ tbg @ 625'; gel hole @ 625' to 215'.
16. TOOH w/ tbg @ 215'; Set 215' C1A Cement Plug @ 215' to Surface (10" csg @ 173')
17. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs
18. Top off as needed
19. Set Monument to WV-DEP Specification
20. Reclaim Location & Road to WV-DEP Specifications

RECEIVED
Office of Oil and Gas
SEP 23 2015
WV Department of
Environmental Protection

4023950
604113

...SOR SMITH, E.W. & Jr. LEASE NO. H504 ACRES 566 MAP WESTON S.W. 33 ELEVATION 1176 L DIV. K. DIST. ...

D. HAMMERS CREEK

COUNTY: LEWIS
LOCATED: 10-5-12
W/O NO. DATE
CONTRACTOR: R.T. Gee
@ $8.00 PER FT.
COMMENCED: 11-21-12
COMPLETED: 1-2-13
PURCHASED FROM
DATE PURCHASED
OUTSIDE SERIAL NO.
SOLD TO
DATE SOLD
DATE ABANDONED
DATE PLUGGED
ANNUAL ROYALTY $ 2.10 DUE 2-6
WORKMEN'S COMP. NOTICE POSTED
DRILLER'S LOG IN FILE

COAL DATA

OWNER
ADDRESS
DATE NOTIFIED LOCATION
DATE APPROVED "

DEPARTMENT OF MINES DATA

DRL'G. PERMIT NO. DATE
DRL'G. DPR. PERMIT NO. "
PLUGGING PERMIT NO. "

FREE GAS DATA

ANNUAL ALLOWANCE Lim. M. C. F.
CONSUMER W. L. Paugh
ADDRESS R.F.D. Weston W.Va.

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
WAYNESBURG COAL					
MAPLETOWN "					
REDSTONE "					
PITTSBURGH "					
MURPHY SAND					
AMES LIMESTONE					
BAKERSTOWN COAL					
L. DUNKARD SAND					
B. DUNKARD SAND					
UPPER FREEPORT COAL					
U. Freeport Sand	420	530			
L. Freeport Sand	535	612			
M. " "					
Homewood Sand	650	710			
VANPORT LIME					
CLARION COAL					
BROOKVILLE COAL					
1ST GAS SAND	1[illegible]	[illegible]30			
MERCER COAL					
1ST SALT SAND	725	822			
2ND " "					
2ND Salt Sand	893	1100	1070-Show		
MAXTON "	1352	1366			
LITTLE LIME	1372	1382			
PENCIL CAVE	1382	1390			
BIG LIME (KEENER)	1390	1454	Show		
BIG INJUN SAND	1454	1675	1481	1481-	
SQUAW "			1555-60		
Sandy Lime	1778	1796			
MURRYSVILLE SAND (BEREA)					
TOTAL DEPTH					
TOTAL DEPTH					

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
GANTZ 50' / 30'	1890	1922	1903 1/2		
10' SAND (MINEVAN)					
BEE SAND (BLUE MON.)					
GOR. STRAY SAND	2008	2054			
GORDON SAND (THIRD)	2130	2200			
4TH – (Sandy Lime)	2220	2228			
4TH A "					
5TH " (MCDONALD)	2291	2308	2300		
5TH A "					
BAYARD " (SIXTH)					
BAYARD STRAY SAND					
" " STR. SD.					
ELIZABETH SAND					
1ST WARREN SAND					
2ND " "					
SPEECH, STRAY SAND					
SPEECHLEY SAND					
TIONA SAND					
1ST BALLTOWN SAND					
2ND " "					
SHEFFIELD "					
1ST BRADFORD " (BENSON)					
2ND " "					
3RD " "					
KANE SAND					
ELK SAND					
ORISKANY SAND					
TOTAL DEPTH	Driller 2319	2319		Log C	
TOTAL DEPTH		2481		11-18-48	cdc

CLASSIFICATION

CASING AND TUBING

SIZE	PUT IN	DATE	PULLED
13"			
10"	165	12-13	165
8 5/8"	835	Less	835
6 5/8"	1501	Cut	
6 5/8"			
5 3/16"	1892	1-2-13	
4"			
3"	2317	1-2-13	
2"			

PACKER DATA

DATE SET	KIND	SIZE	SET AT
M3	HWP	6 5/8	2192
1-13	WP	6 5/8 x 5 3/16	1892

CASING CEMENTED

FROM	TO

OIL DATA

OPEN FLOW VOLUME & PRESSURE DATA

DATE	READING	LIQUID	SIZE OPENING	SIZE TUBING	1	2	3	4	5	15	30	60	24 HR. R. P.	30 DAY R. P.	VOLUME	PRODUCING SAND
1-2-13				6-7	17	32			74	245	315				c/v 901	B.F. Gantz-5th
1-3-13	Shot			1 1/2	24										c/v 1272	" " "
"				3"	55	85	110	130	145	235	305			(490)	c/v 888	5th

PIPE LINE DATA

C/O NO.	DATE LAID	DATE RCL'D	SIZE	FEET LAID	FEET RCL'D	REMA

DATE TURNED IN LINE 2-6-13 DATE DISCONNECTED

VOLUME FACTOR DATA

PREVIOUS

PRESENT

T.D. 2481
2319' Drilled 5
2192' – 3" x 1.[illegible] 2115
127' – 6 5/8 x 21.[illegible] 2111
12,687
5 3/16 x 3
1892 x 6 5/8 1
300 x 15.25 [illegible]

REPAIR AND DRILLING DEEPER

W/O-M/O NO.	DATE	REASON	COMMENCED	COMPLETED	C/O OR D/D TO	VOLUME BEFORE	VOLUME AFTER	ROCK PRESS. BEFORE	ROCK PRESS. AFTER
		R.P.		1-25-14	2316	3	26	17	60
		D.D.	B-2553	12-9-53	2331	7.3	29.4	—	56
		D.D.	SAIT.	5-12-46	2319	.975	12.1		85/12
		D.D.		3-14-38	2159	2.1	51	600	1
		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SHOOTING RECORD

DATE	AMT.	DEPTH	VOLUME BEFORE	VOLUME AFTER
1-3-13	60 Qts	5th.	c/v 901	c/v 1272

4102395P

WW-4-A
Revised 6/07

1) Date: September 21, 2015
2) Operator's Well Number
604113 (E. W. Smith #2)
3) API Well No.: 47 041 - 02395
State County Permit

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:
(a) Name
Address I. L. Morris
P. O. Box 397
Glenville, WV 26351
(b) Name
Address
(c) Name
Address

6) Inspector Barry Stollings
Address 28 Conifer Drive
Bridgeport, WV 26330
Telephone (304) 552-4194

5) (a) Coal Operator:
Name None
Address

(b) Coal Owner(s) with Declaration
Name I. L. Morris
P. O. Box 397
Address Glenville, WV 26351
Name
Address

(c) Coal Lessee with Declaration
Name None
Address

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: **EQT Production Company**
By: **Victoria J.Roark**
Its: **Permitting Supervisor**
Address: **PO Box 280**
Bridgeport, WV 26330
Telephone: **(304) 848-0076**

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd.
Bridgeport, WV 26330
My Commission Expires February 20, 2018

Subscribed and sworn before me this 22nd day of September, 2015
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

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, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED
Office of Oil & Gas
SEP 23 2015
WV Department of
Environmental Protection

4102395P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
604113 (E. W. Smith #2)
3) API Well No.: 47 041 - 02395

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: EQT PRODUCTION COMPANY OP ID: ____
Watershed: Maxwell Run Quadrangle: Weston
Elevation: 358 0 M County: Lewis District: Hackers Creek
Description of anticipated Pit Waste: **Formation Fluids**

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes__ No X
Will synthetic liner be used in the pit? Yes Is so, what ml.? ~~10 ml~~ 20 mil TM

Proposed Disposal Method for Treated Pit Wastes:
X Land Application
____ Underground Injection - UIC Permit Number ____
____ Reuse (at API Number) ____
____ Offsite Disposal Permit #.
____ Other: Explain ____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. ____
If oil based, what type? Synthetic, petroleum, etc.
Additives to be used? ____

Will closed loop system be used? ____
Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. ____
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust ____
Landfill or offsite name/permit number? ____

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 Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms 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 significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature ____
Company Official (Typed or Printed) Victoria Roark
Company Official Title Permitting Supervisor-WV
Subscribed and sworn before me this 22nd day of September, 2015
Misty S. Christie Notary Public
My Commission Expires 2/20/18

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S. Christie
1207 Briarcliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

RECEIVED
Office of Oil & Gas
SEP 2 2015
WV Department of
Environmental Protection

4102395P

OPERATOR'S WELL NO.:
604113 (E. W. Smith #2)

LEGEND

Property Boundary

Diversion

Road

Spring

Wet Spot

Planned Fence

Drain Pipe with size in inches

Water Way

Existing Fence

Stream

Cross Drain

Open Ditch

Artificial Filter Strip

Rock

North

N

Building

Water well

W

Drill site

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I

Seed Type	lbs/acre
Red Fescue	40
Alsike Clover	5
Annual Rye	15

Area II

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Bryan O'Hern

Comments: _____

Title: Inspector Date: 10-1-15

Field Reviewed? X Yes ____ No

RECEIVED
Office of Oil and Gas
OCT 08 2015
WV Department of
Environmental Protection

4102395P

OPERATOR'S WELL NO.:
604113 (E. W. Smith #2)

LEGEND

Property Boundary

Diversion

Spring

Wet Spot

Road

Planned Fence

Drain Pipe with size in inches

Water Way

Existing Fence

Stream

Cross Drain

Open Ditch

Artificial Filter Strip

Rock

North

N

Building

Water well

W

Drill site

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I

Seed Type	lbs/acre
Red Fescue	40
Alsike Clover	5
Annual Rye	15

Area II

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

ATTACH:
Drawing(s) of road, location, pit and proposed area for land application.
Photocopies section of involved 7.5' topographic sheet.

Plan approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? _____ Yes _____ No

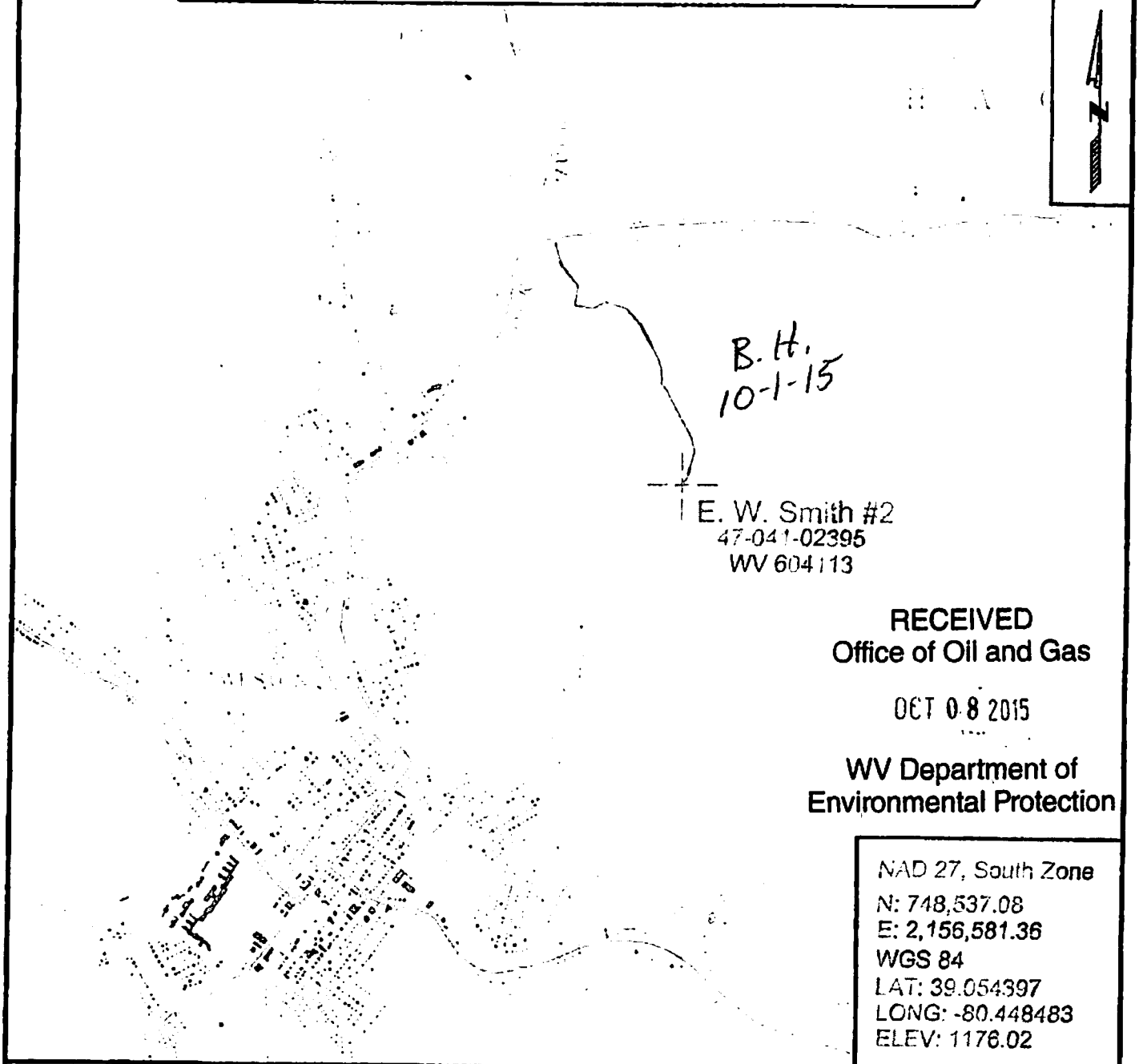
RECEIVED
Office of Oil and Gas
SEP 23 2015
WV Department of
Environmental Protection

4102395P

Topo Quad:	Weston 7.5'	Scale:	1 " = 2000'
County:	Lewis	Date:	April 24, 2015
District:	Hackers Creek	Project No:	73-12-00-08

47-041-02395 WV 604113 (E. W. Smith #2)

Topo



RECEIVED
Office of Oil and Gas

OCT 08 2015

WV Department of
Environmental Protection

NAD 27, South Zone
N: 748,537.08
E: 2,156,581.36
WGS 84
LAT: 39.054397
LONG: -80.448483
ELEV: 1176.02

SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8608
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8608
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

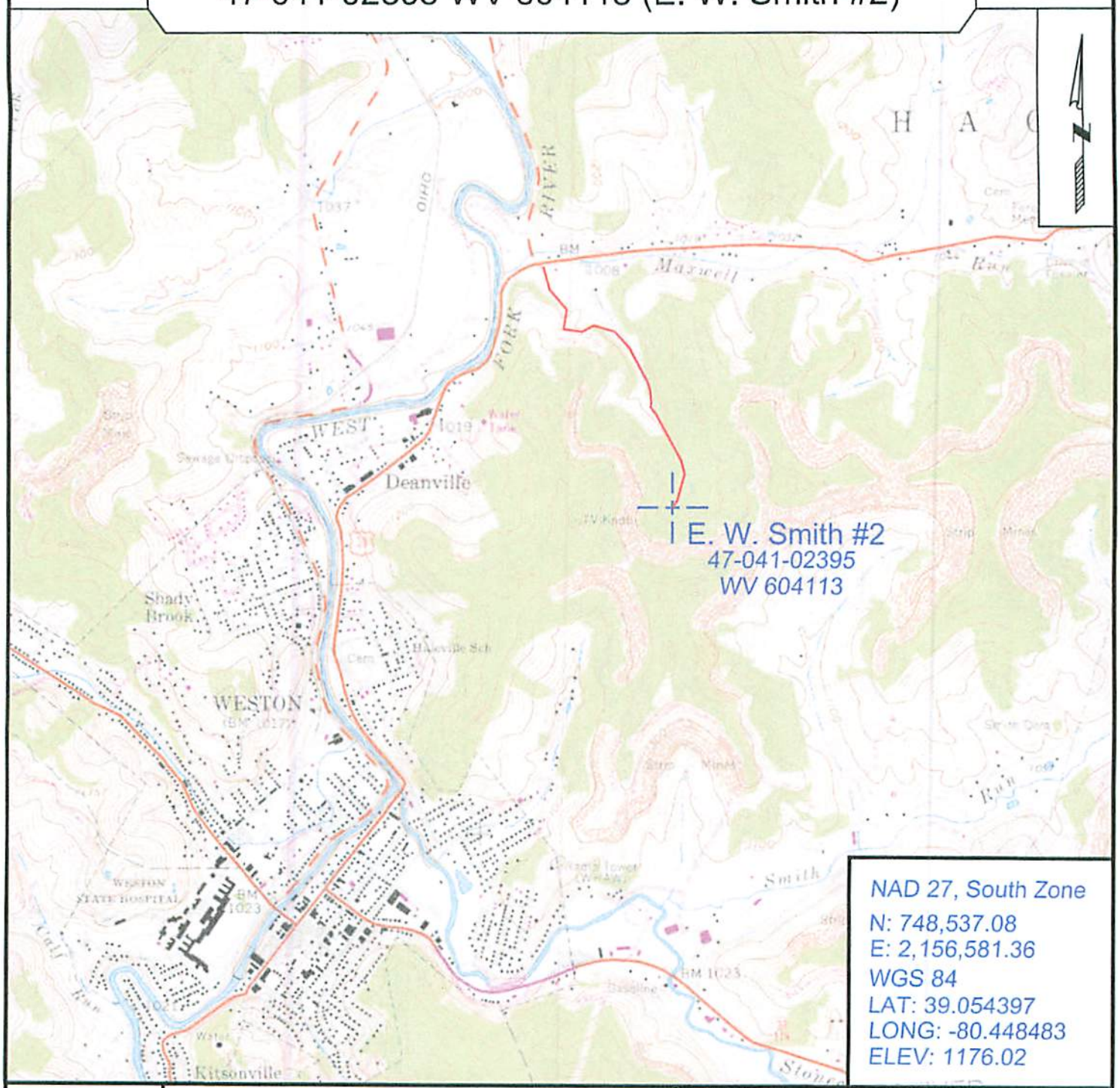
P.O. Box 280
Bridgeport, WV 26330

4102395P

Topo Quad:	Weston 7.5'	Scale:	1 " = 2000'
County:	Lewis	Date:	April 24, 2015
District:	Hackers Creek	Project No:	73-12-00-08

47-041-02395 WV 604113 (E. W. Smith #2)

Topo



NAD 27, South Zone
N: 748,537.08
E: 2,156,581.36
WGS 84
LAT: 39.054397
LONG: -80.448483
ELEV: 1176.02

SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

RECEIVED
Office of Oil and Gas
OCT 9 2015
WV Department of
Environmental Protection

4102395P

POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY.
LEASE NAME AND WELL No. E. W. Smith #2 - WV 604113 - API No. 47-041-02395.

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 604113.

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
fax 304-848-5037

CALDWELL OFFICE
212 Cumberland Street
Caldwell, OH 43724
phone 740-305-5007
fax 740-305-5126

ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Rd.
Alum Creek, WV 25003
phone 304-756-2949
fax 304-756-2948

RANSON OFFICE
301 South Fairfax Blvd, Suite 3
Ranson, WV 25438
phone 304-724-5008
fax 304-724-5010

ALLEGHENYSURVEYS.COM

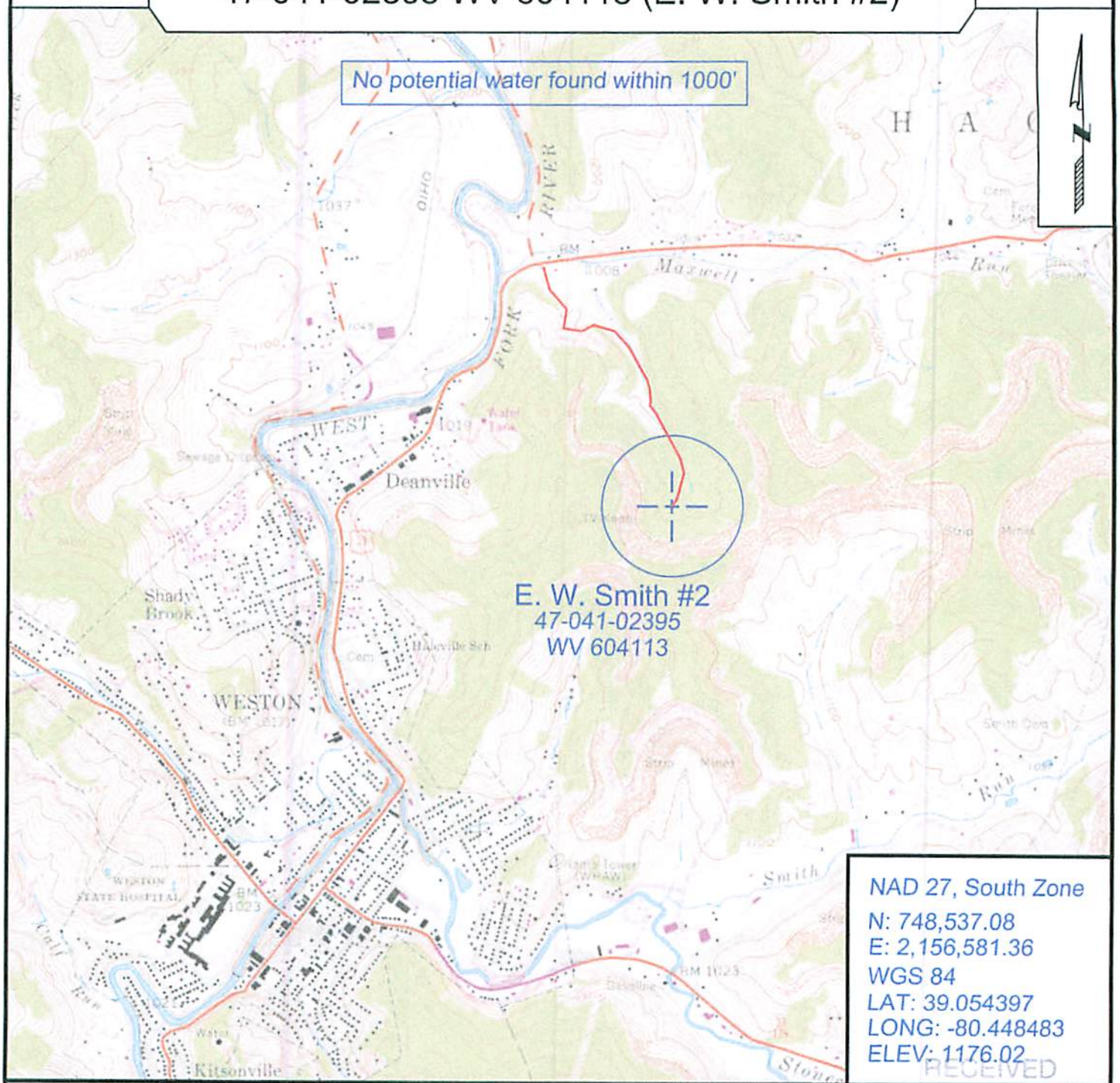
RECEIVED
Office of Oil and Gas
SEP 23 2015
WV Department of
Environmental Protection

4102395P

Topo Quad:	Weston 7.5'	Scale:	1 " = 2000'
County:	Lewis	Date:	April 24, 2015
District:	Hackers Creek	Project No:	73-12-00-08

Water

47-041-02395 WV 604113 (E. W. Smith #2)



NAD 27, South Zone
N: 748,537.08
E: 2,156,581.36
WGS 84
LAT: 39.054397
LONG: -80.448483
ELEV: 1176.02

SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

RECEIVED
Office of Oil and Gas
SEP 2 2015
WV Department of
Environmental Protection

4102395P

WW-7
8-30-06

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

API: 47-041-02395 **WELL NO.:** WV 604113 (E.W. Smith #2)

FARM NAME: Smith

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Lewis **DISTRICT:** Hackers Creek

QUADRANGLE: Weston 7.5'

SURFACE OWNER: I. L. Morris

ROYALTY OWNER: I. L. Morris, et al.

UTM GPS NORTHING: 4322958

UTM GPS EASTING: 547720 **GPS ELEVATION:** 358 m (1176 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 _X_
Real-Time Differential ____

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.

Signature	Title	Date
	PS #2180	4/30/15

RECEIVED
Office of Oil and Gas
SEP 23 2015
WV Department of
Environmental Protection