



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

March 16, 2015

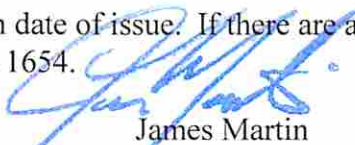
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4102418, 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 penalties 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: 245
Farm Name: WALKER, JOS.
API Well Number: 47-4102418
Permit Type: Plugging
Date Issued: 03/16/2015

Promoting a healthy environment.

03/20/2015

PERMIT CONDITIONS

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

CONDITIONS

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

4102418P

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

Date: January 28, 2015
Operator's Well
Well No. 650606 (Jos. Walker #245)
API Well No.: 47 041 - 02418

**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: 1194 ft. Watershed: Hackers Creek
Location: Hackers Creek County: Lewis Quadrangle: Weston
District: _____

6) Well Operator EQT Production Company 7) Designated Agent: Rex C. Ray
Address: 120 Professional Place Address: 120 Professional Place
Bridgeport, WV 26330 Bridgeport, WV 26330

8) Oil & Gas Barry Stollings 9) Plugging Contractor:
Name: 28 Conifer Drive Name: HydroCarbon Well Service
Address: Bridgeport, WV 26330 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 Barry Stollings Date 2-18-15

03/20/2015

4102418P

PLUGGING PROGNOSIS - Weston

Walker, J. #245 (650606)

Lewis Co., West Virginia

API # 47-041-02418

Quad: Hackers Creek

BY: Craig Duckworth

DATE: 1/27/15

CURRENT STATUS:

3" tbg @ 4295' (packer @ 4295' with 30 sks cem on top)

TD @ 4330'

Fresh Water @ None reported

Salt Water @ None reported

1" Salt Sand @ None reported

Coal @ None reported

Gas Shows @ 4268'

Oil Shows @ None reported

Stimulation: fractured @ 4268'

Elevation: 1220' *100' plug B.S. 2-18-15*

ELW 1194'

1. Notify State Inspector, Barry Stollings 304-552-4194, 24 hrs. Prior to commencing operations.
2. Free Point 3", cut 3" @ free point, TOOH w/ 3" tbg
3. TIH w/ tbg @ 4295'; Set 300' C1A Cement Plug @ 4295' to 4000'
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 @ 4000'; gel hole @ 4000' to 3000'
6. TOOH w/ tbg @ 3000'; Set 200' C1A Cement Plug @ 3000' to 2800'
7. TOOH w/ tbg @ 2800'; gel hole @ 2800' to 1800'
8. TOOH w/ tbg @ 1800'; Set 200' C1A Cement Plug @ 1800' to 1600'
9. TOOH w/ tbg @ 1600'; gel hole @ 1600' to 1000'
10. TOOH w/ tbg @ 1000'; Set 100' C1A Cement Plug @ 1000' to 900'
11. TOOH w/ tbg @ 900'; gel hole @ 900' to 500'
12. TOOH w/ tbg @ 500'; Set 100' C1A Cement Plug @ 500' to 400'
13. TOOH w/ tbg @ 400'; gel hole @ 400' to 200'
14. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to Surface
15. Top off as needed
16. Set Monument to WV-DEP Specifications
17. Reclaim Location & Road to WV-DEP Specifications

650606

410248A

CARNEGIE NATURAL GAS COMPANY

18514043

Map Sheet No. Weston S. W.

RECORD OF WELL

Well No. 2 - 245

Drilled on Joseph Walker

Farm of 200

Acres, situate in

Hackers Creek Township Lewis

County W. Va.

Lease No. E-4125-36

Shipping Point Toll Gate, W. Va.
RIG

Foraman Robert Lynch
WELL

Located

Commenced Drilling Cleaning out June 3rd 1957

Notified Gen'l Office

Notified Gen'l Office

Commenced Walker-Neer Drilling Machine

Completed Drilling Cleaning out August 16, 1957

Completed

Notified Gen'l Office

Contractor

Contractor Company Tools & Men

Address

Address

ROCK FORMATION	TOP	BOTTOM	REMARKS	PRESSURE AND VOLUME	
				¼ Minute	Lbs.
Conductor				1 "	0 "
Waynesburg Coal				2 "	1 "
Mapleton Coal				3 "	1½ "
Pittsburgh Coal	Cleaned out to bottom. (4330')			4 "	2½ "
Little Dunkard	Filled up to 4295'			5 "	4 "
Big Dunkard	Run 4295' of 3" Tubing (9.20#) with			10 "	9 "
Gas Sand	combination hookwall and anchor packer			15 "	14 "
1st Salt Sand	set at 4244' Cemented with 30 bags			30 "	26 "
2nd Salt Sand	Hi-Early cement on top of packer.			1 Hour	54 "
3rd Salt Sand				Rock	340 in 48 hr
Maxton Sand	Well was surveyed by Birdwell Co. and			Size of Tubing	3 Inch
Little Lime	gas was found to be at 4268'			Size of Casing	"
Ponell Cave	Well was fractured with oil and sand.			Vol by Water	84,000 cu f
Big Lime	Considerable sand was blown up in to tubing			" " Mercury	
Big Injun	and was cleaned out to bottom.			" " Pressure	
Gantz Sand	Gas tested 84,000 cu ft.			CONNECTED TO MAIN LINE	
50 Foot Sand				Length of Line	Feet
30 Foot Sand				Size of Line	Inch
Gordon Stray				DISCONNECTED FROM LINE	
Gordon Sand				Notified Lessor	
4th Sand				Abandoned	
5th Sand				Repacked	
Bayard Sand				With	Feet Tubing
Elizabeth					
Speechley			Hole filled to 4295'		
Tiona					
Bradford					

RECEIVED
Office of Oil and Gas
JAN 8 0 2015

WV Department of
Environmental Protection

Total Depth 4295 Feet at \$ _____ per Foot \$ _____
Gas Furnished at _____ Cents per Foot

CASIN 3 RECORD

SIZE	CHARGED TO WELL		PUT IN WELL		PULLED		LEFT IN WELL		TRANSFERRED		LEFT AT WELL		PACKER
	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	
3"	4335		4295				S-40 4295						Kind <u>Combination Hookwall</u> Size <u>3" x 7"</u> Set at <u>4244</u> Feet WELL SHOT Sandfractured By <u>Dowell Incorporated</u> With _____ Qts. at _____ Feet

Casing Cemented in Well.....by.....Company Employees

03/20/2015

4102418P

WW-4-A
Revised 6/07

1) Date: January 28, 2015
2) Operator's Well Number
650606 (Jos. Walker #245)
3) API Well No.: 47 041 - 02418
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 John R. and Lisa Spiker
Address 747 Landmark Est.
Jane Lew, WV 26378
(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 _____
Address _____
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.

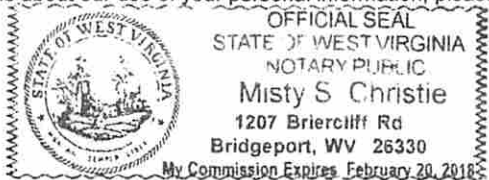
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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

Subscribed and sworn before me this 29th day of January, 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.

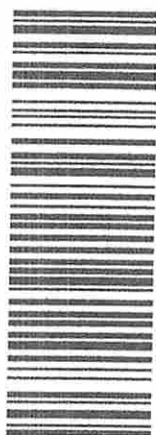


RECEIVED
Office of Oil & Gas
JAN 30 2015
WV Department of
Environmental Protection
03/20/2015

4102418A

neopost®
01/29/2015
FIRST-CLASS MAIL
\$07.40
US POSTAGE
ZIP 26330
041L10228892

CERTIFIED MAIL™



7014 0150 0001 0654 7566
7014 0150 0001 0654 7566

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage		

Sent To: John R. and Lisa Spiker
 747 Landmark Est.
 Jane Lew, WV 26378

PS Form 3800, August 2006 See Reverse for Instructions

Vicki R

#650606

RECEIVED
Office of Oil and Gas

JAN 30 2015

WV Department of
Environmental Protection

1. Article Addressed to: John R. and Lisa Spiker
747 Landmark Est.
Jane Lew, WV 26378

2. Article Number (Transfer from service label) 7014 0150 0001 0654 7566
PS Form 3811, July 2013

3. Service Type
 Certified Mail®
 Registered
 Insured Mail
 Return Receipt for Merchandise
 Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes No

5. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

Domestic Return Receipt

4102418P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
650606 (Jos. Walker #245)
3) API Well No.: 47 041 - 02418

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: Hackers Creek Quadrangle: Weston
Elevation: 1194 ft. 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 ml.

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 *Victoria Roark*
Company Official (Typed or Printed) Victoria Roark
Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 29th day of January, 2015

Misty S. Christie Notary Public
2/20/18

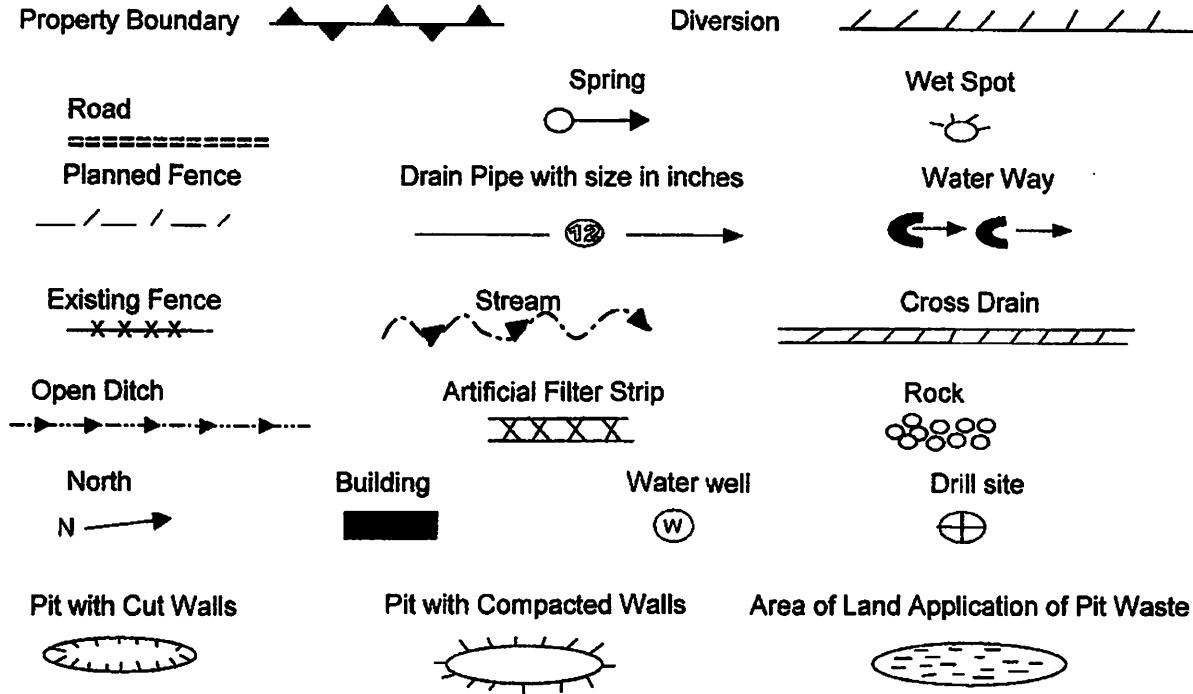


RECEIVED
Office of Oil and Gas
JAN 30 2015

WV Department of Environmental Protection
03/20/2015

OPERATOR'S WELL NO.:
650606 (Jos. Walker #245)

LEGEND



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

ATTACH:

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

Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Bany Stultz

Comments: _____

Title: Inspector Date: 2-18-13

Field Reviewed? Yes No

4102418P

Topo Quad: Weston 7.5'

Scale: 1" = 2000'

County: Lewis

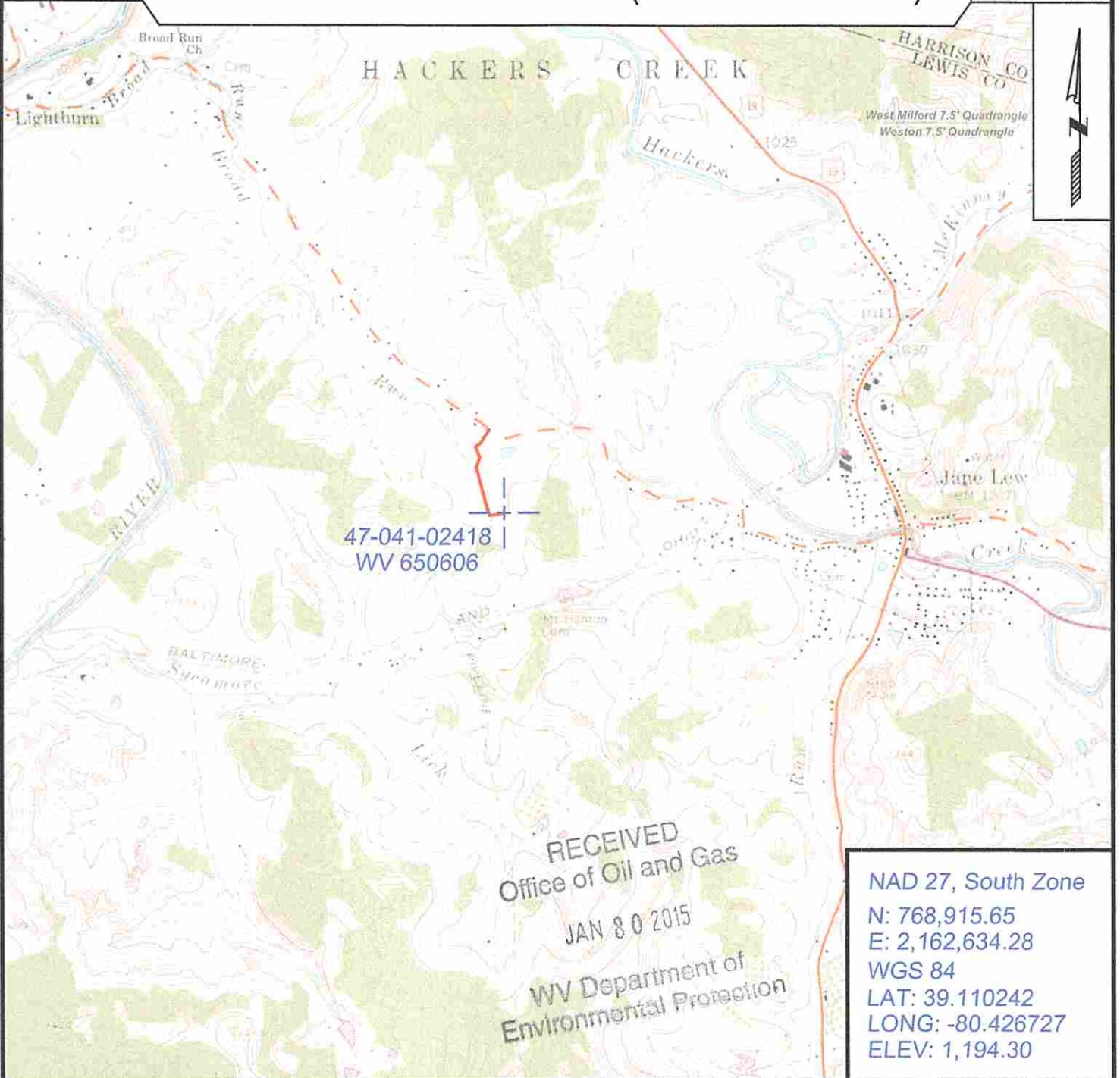
Date: January 21, 2015

District: Hackers Creek

Project No: 73-12-00-08

47-041-02418 WV 650606 (Jos. Walker #245)

Topo



47-041-02418
WV 650606

RECEIVED
Office of Oil and Gas
JAN 8 0 2015
WV Department of
Environmental Protection

NAD 27, South Zone
N: 768,915.65
E: 2,162,634.28
WGS 84
LAT: 39.110242
LONG: -80.426727
ELEV: 1,194.30



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

03/20/2015

41024187

WW-7
8-30-06



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

API: 47-041-02418 WELL NO.: WV 650606 (Jos. Walker #245)

FARM NAME: Jos. Walker

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Lewis DISTRICT: Hackers Creek

QUADRANGLE: Weston 7.5'

SURFACE OWNER: John & Lisa Spiker

ROYALTY OWNER: Donald Gooden, et al

UTM GPS NORTHING: 4329167

UTM GPS EASTING: 549564 GPS ELEVATION: 364 m (1194 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 X : Post Processed Differential X
Real-Time Differential ___
- Letter size copy of the topography map showing the well location.**

RECEIVED
Office of Oil and Gas

JAN 30 2015

WV Department of
Environmental Protection

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]
Signature

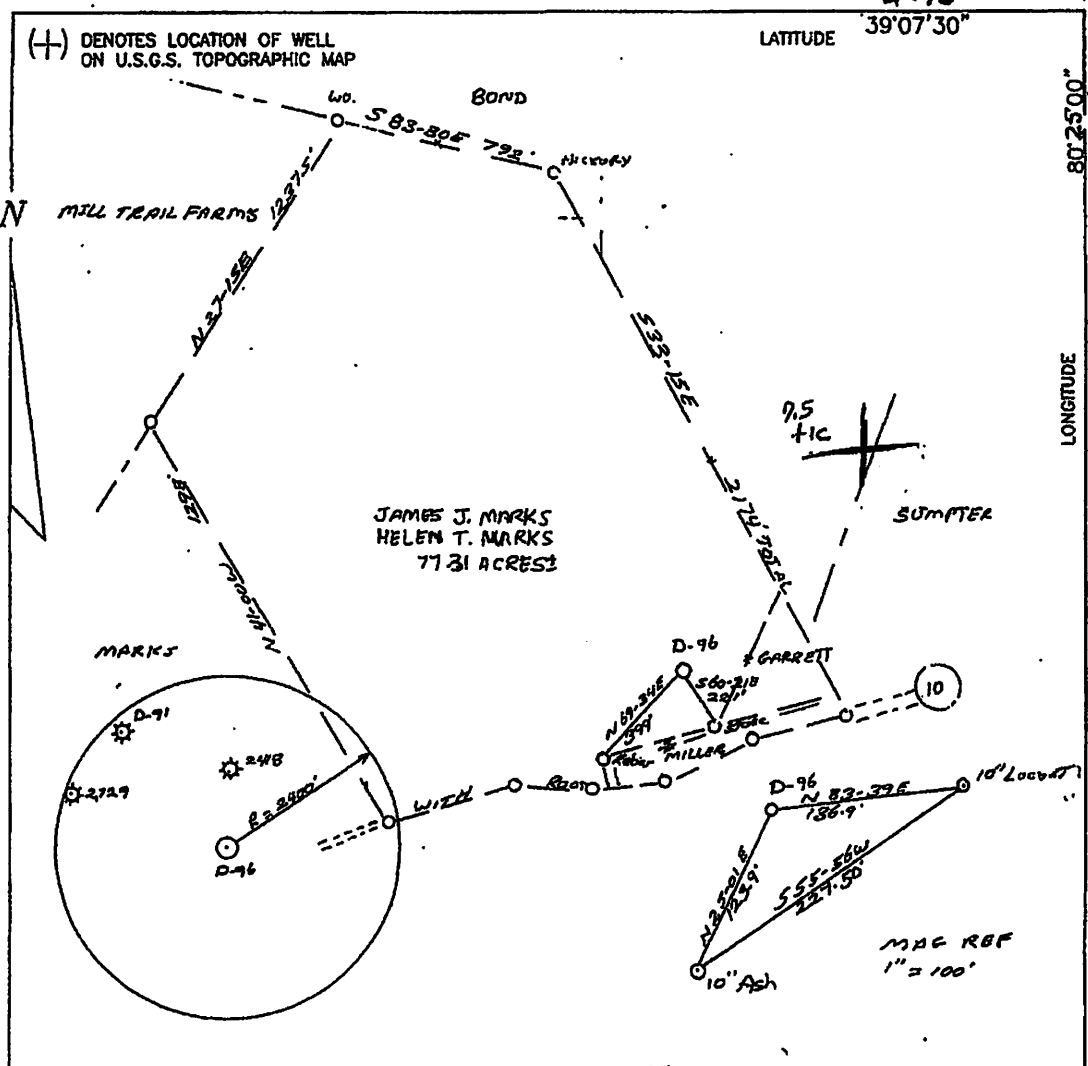
PS #2180
Title

1/21/15
Date

03/20/2015

2975

4102418P



FILE NO. _____
 DRAWN BY _____
 SCALE 1" = 500'
 MIN. DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION:
 ROAD INT S/E OF LOC. EL
 1052

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT IT SHOWS ALL INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) D. P. Beatty
 R.P.E. _____ L.L.S. 954

DATE SEPTEMBER 13 2001



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

DATE _____, 19____
 OPERATORS WELL NO. 245
 API WELL NO. 47-041-02418

RECEIVED
 Office of Oil and Gas

JAN 30 2015

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 IF "GAS" PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1220' WATER SHED West Fork River
 DISTRICT Hackers Creek COUNTY Lewis
 QUADRANGLE Weston

WV Department of
 Environmental Protection

SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER Jos. Walker LEASE ACREAGE _____
 LEASE NO. _____

PRODUCING FORMATION _____ TOTAL DEPTH _____

WELL OPERATOR Carnegie Natural Gas DESIGNATED AGENT _____

ADDRESS _____ ADDRESS _____

03/20/2015

4102418P

Topo Quad: Weston 7.5'

Scale: 1" = 2000'

County: Lewis

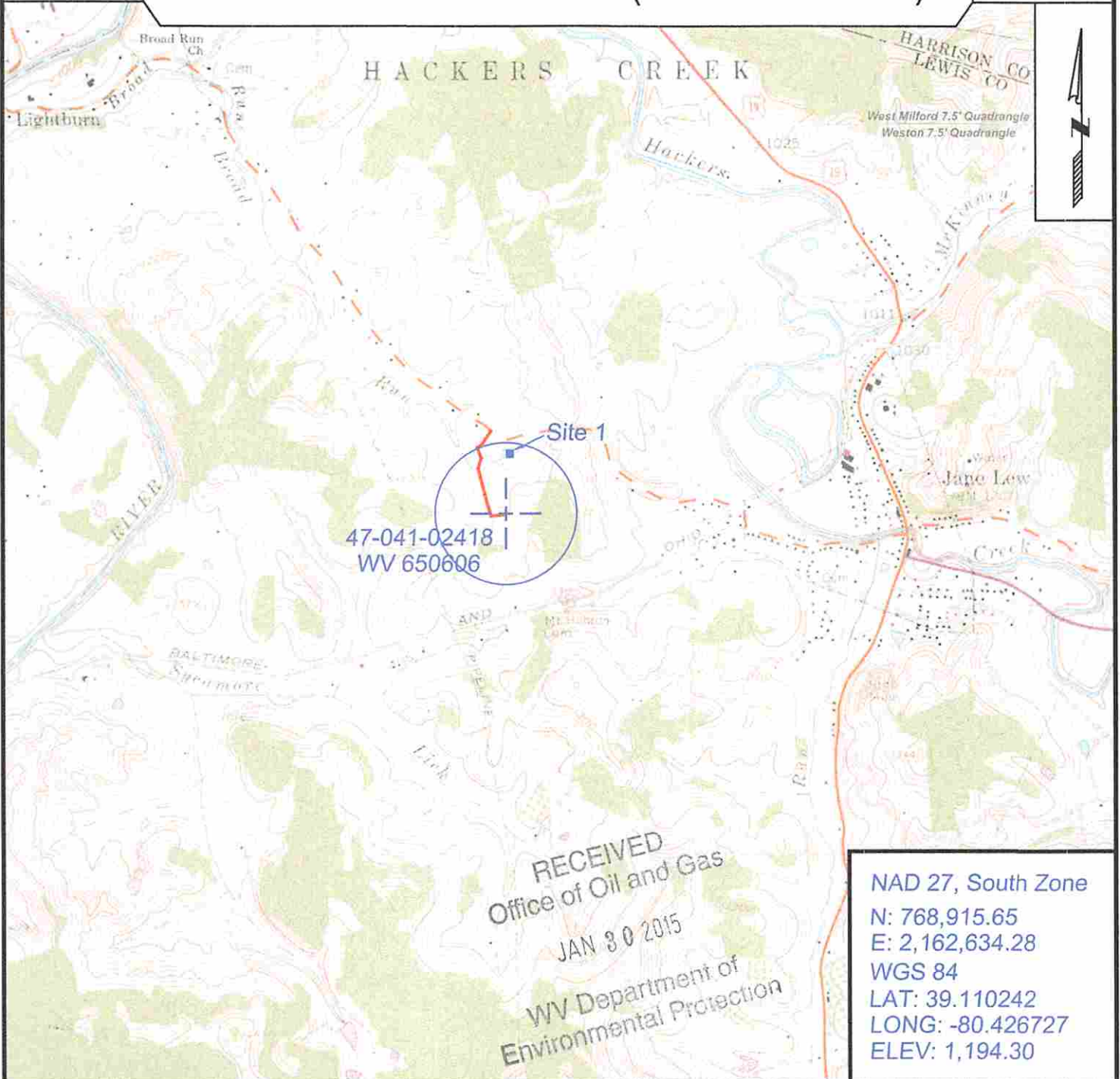
Date: January 21, 2015

District: Hackers Creek

Project No: 73-12-00-08

Water

47-041-02418 WV 650606 (Jos. Walker #245)



RECEIVED
Office of Oil and Gas
JAN 30 2015
WV Department of
Environmental Protection

NAD 27, South Zone
N: 768,915.65
E: 2,162,634.28
WGS 84
LAT: 39.110242
LONG: -80.426727
ELEV: 1,194.30



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

03/20/2015

4102418P



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Jos. Walker #245 - WV 650606 - API No. 47-041-02418

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 909' +/- Owner: Francis G. & Karen B. Rogers
Address: 1914 Broad Run Rd, Jane Lew, WV 26378 Phone No. _____
Comments:

RECEIVED
Office of Oil and Gas

JAN 30 2015

WV Department of
Environmental Protection

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

BRIDGEPORT OFFICE
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
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
401 South Fairfax Blvd. Suite 3
Ranson, WV 25438
phone: 304-724-5008
fax: 304-724-5010