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

January 08, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2103145, 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: 7284
Farm Name: HARRIS
API Well Number: 47-2103145
Permit Type: Plugging
Date Issued: 01/08/2016

Promoting a healthy environment.

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.

2103145P

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

Date: November 10, 2015
Operator's Well
Well No. 607284 (Harris #7284)
API Well No.: 47 021 - 03145

CK 20019
30000

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: 1058 ft. Watershed: Laurel Run
Location: Dekalb - 02 County: Gilmer Quadrangle: Burnt House 7.5' 273
District:

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

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

8) Oil & Gas Name: Danny Mullins
Address: 220 Jackacres Road
Buckhannon, WV 26201

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.

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Office of Oil and Gas
NOV 16 2015
WV Department of
Environmental Protection

OK JMM

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 _____ Date _____

2103145P

PLUGGING PROGNOSIS

A.B.Harris # 7284
607284
District, DeKalb
Gilmer Co. WV
API # 47-021-03145
BY: R. Green
DATE: 11/9/15

CURRENT STATUS:
Elevation @ 1057'
TD @ 2114'
10" csg @ 181'
8 1/4" csg @ 974'
6 5/8"" csg@ 1581'
5 3/16" liner @84', (set on bottom)
3" tubing @ 2114' (set on 3" x 5 3/16" packer @ 1965')
Fresh Water @ None reported
Coal, @ none reported
Saltwater @ 1856'
Gas show @ 1856', & 1993' to 1998'
Oil show @ 1993'to1998'.

1. Notify State Inspector, Danny Mullins @ 304-932-6844, 48 hrs. prior to commencing operations.
2. TIH check TD and locate 3"x 5 3/16" packer
3. Shoot 3" tbg off at top of packer, TOOH 3" tbg.
4. RIH tbg to top of packer, set 200' C1A cement plug,1965' to 1765', (packer seat and gas show at 1993')
5. WOC 8 hrs. add additional C1A cement if necessary to achieve TOC at 1765' Good
6. TOOH tbg to 1765', gel hole 1765' to 1650'.
7. TOOH tbg to 1650', set 200' C1A cement plug 1650' to 1450', (6 5/8" casing seat) TOOH tbg.
8. Free point 6 5/8" casing, cut casing at free point, (EST@1400') TOOH casing.
9. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
10. TOOH tbg to 1350', gel hole 1350' to 1100'.
11. TOOH tbg to 1100', set 200' C1A cement plug 1100' to 900', (Elevation and 8 ¼" casing seat). TOOH tbg.
12. Free point 8 ¼" casing, cut casing at free point, (EST@700') TOOH casing.
13. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
14. TOOH tbg to top of casing cut plug, gel hole from plug to 500'.
15. TOOH tbg to 500', set 100' C1A cement plug, 500' to 400'. (Safety plug).
16. TOOH tbg to 400', gel hole 400' to 250'.
17. TOOH tbg to 250', set 250' C1A cement plug from 250' to surface. (10" casing seat).
18. Erect monument with API# and date plugged.
19. Reclaim road and location to WV-DEP specifications.

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OK gmm

Harris 607284 API 47-021-03145P

SPECIAL WELL TEST REPORT
FORM G39-27283

Special Test ☐ Cleaning ☐ Bailing ☒ Swabbing ☐ Pumping ☐ Shooting ☐

Equitable Gas Company — WELL NO. 7284

Lease No. 13298 Farm Harris, A.B. Acres 50 Map Hol. S.W. 3-3

Twp. or Dist. DeKalb County Gilmer State WV Other wells on lease

Date completed 10-8-20 O.D.O.F. M. Cu. Ft. O.R.P. Producing sand B.I.

Gas at 1856-57, 1993-98 Volume factor Tubed with 2114 ft. of 3 in. thg.

Packed at 1965 ft. With 5 3/16 x 3 Inch Anc. Packer

CASING RECORD: 10" 181 ft. 8¼" 974 ft. 6⅝" 1581 ft. 5⅛" 84

Total depth 2114 ft. Top of fluid at 1914 Oil ft. Bridged at ft. Depth after this work 2114 ft.

OPEN FLOW AND MINUTE PRESSURE TESTS OF GAS FROM 3 INCH TUBING ☒ CASING ☐

		"U" Tube Reading	M or W	Size Opening	Pitot or F.M.	Open Flow	L/P	½ Min.	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	R/P	Hrs.	Date
Before	Against Line Pressure	,xxx	x	xxx	xx	xxx	38	38	38	38½	38½	39	39			
	From Atmosphere	14/10	W	¾"	F.M.	15.3M		½	1	2	3	4	5			
After	Against Line Pressure	xxx	x	xxx	xx	xxx	32	33	34	35	36	37	38			
	From Atmosphere	34/10	W	¾"	F.M.	23.8M		1	2	4	6	8	10½	50	20	2-6-76

REMARKS (concerning wells condition, work done, machine used, etc.) Used bailing machine #784.

RECOMMENDATION Bail again within 12 months.

Amount Royalty $ 300.00 Amount of free gas allowed per yr. -- M Cu. ft. Amount used last 12 months -- M Cu. ft.

EXPENSE:	This Job	Total Previous
Cleaning.....	$	$
Bailing.....	420.00	None
Swabbing.....		

TOTAL EXPENSE LAST TWELVE MONTHS
$ 420.00

Commenced work 2-4-76 19

Completed work 2-6-76 19

Date of this report 2-6-76 19

Louis A. Kapfer
Division Superintendent

Geologist's Recommendation

Date 19

Geologist

Land Agent's Report

Date 19

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WELL NO. [illegible] LESSOR HARRIS A.B. LEASE NO. 13298 ACRES 56 MAP H02 SW 3 ELEVATION [illegible] DIV. K. DIST. GLENVILLE

TWP. OR DIST. DE KALB
COUNTY GILMER
LOCATED 3.13.26
W/O NO. DATE
CONTRACTOR W.H. WATERFIELD
@ 044 PER FT.
COMMENCED 8.24.26
COMPLETED 10.8.26
PURCHASED FROM
DATE PURCHASED
OUTSIDE SERIAL NO.
SOLD TO
DATE SOLD
DATE ABANDONED
DATE PLUGGED
ANNUAL ROYALTY $ [illegible] DUE
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 [illegible] M. C. F.
CONSUMER [illegible] (2)
ADDRESS [illegible]

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
WAYNESBURG COAL					
WAYNESBURG Sand	40	120			
MAPLETOWN "					
REDSTONE " Sand	205	248			
PITTSBURGH "					
MONITOR SAND Sand	625	650			
AMES LIMESTONE					
BAKERSTOWN COAL					
L. DUNKARD SAND					
Sand (Gritty L.)	945	955			
U. DUNKARD SAND					
UPPER FREEPORT COAL					
U. Freeport Sand	1120	1130			
L. Freeport Sand	1138	1240			
L. Freeport Sand	1256	1262			
L. "					
Homewood Sand	1295	1320			
Shallburg Sand	1365	1390			
BROOKVILLE COAL					
1ST GAS SAND					
MERCER COAL					
1ST SALT SAND	1475	1515			
2ND " "	1554	1722			
3RD " "	1779	1825	Brk 1812-15		
MAXTON "	1849	1864	1856-7 1858		
LITTLE LIME	1900	1915			
PENCIL CAVE	1915	1976			
BIG LIME (KENER)	1936	1983	1943-8		
BIG INJUN SAND	1993	2081			
SQUAW "					
2ND GAS "					
MURRYSVILLE SAND (DEREA					
TOTAL DEPTH	2114		400		
TOTAL DEPTH	2006		6/13/46	2HS	

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
GANTZ 30' SAND					
50' "					
3RD SAND (NINEVAH)					
BEE SAND (BLUE MON.)					
GDM. STRAY SAND					
GORDON SAND (THIRD)					
4TH "					
4TH A "					
5TH " (MCDONALD)					
5TH A "					
GAYARD " (SIXTH)					
GAYARD STRAY SAND					
" " STR. SD.					
ELIZABETH SAND					
1ST WARREN SAND					
2ND " "					
SPEECH. STRAY SAND					
SPEECHLEY SAND					
TIONA SAND					
1ST RALLTOWN SAND					
2ND " "					
SHEFFIELD "					
1ST BRADFORD "(BENSON)					
2ND " "					
3RD " "					
KANE SAND					
ELK SAND					
ORISKANY SAND					
TOTAL DEPTH					
TOTAL DEPTH					

CLASSIFICATION

CASING AND TUBING DATA

SIZE	PUT IN	DATE	PULLED	DATE
13"				
10"	181	10.8.26		
8 1/4"	474	"		
6 5/8"	1511	"		
5 1/4"				
5"	2006	"	2006	6-46
4"				
3"	205	6-46		
2"				

PACKER DATA

DATE SET	KIND	SIZE	SET AT	DATE PULLED
10.26	A.P.	6 5/8 x 3	1910	6-46
6-46	A.	5 3/16 x 3	1965	

CASING CEMENTED

FROM TO

OIL DATA

OPEN FLOW VOLUME & PRESSURE DATA

DATE	READING	LIQUID	SIZE OPENING	SIZE TUBING	MINUTES 1	2	3	4	5	15	30	60	24 HR SHUT IN R.P.	30 DAY R.P.	VOLUME	PRODUCING SAND
10-8-26	17	M	3"	3"	130	125	130	135	[illegible]				180		1550	Bl.
[illegible]	SP	(1)	1½	2	17	28	38	47	53#	GA	GA	68	96	(30)	180	"

PIPE LINE DATA

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

DATE TURNED IN LINE ? DATE DISCONNECTED

VOLUME FACTOR DATA

PREVIOUS To 6-13-46 3 HSOG

PRESENT

D = 3¼ / 10.8 = .3 × 4.55 = 8940
1149 − 5³⁄₁₆ × 12.72 = 1295
10835

REPAIR AND DRILLING DEEPER [illegible] / SHOOTING RECORD

W/O-M/O NO.	DATE	REASON	COMMENCED	COMPLETED	C/O OR D/O TO	VOLUME BEFORE	VOLUME AFTER	ROCK PRESS. BEFORE	ROCK PRESS. AFTER
		PD	[illegible]	6-[illegible]-25	2110	3.0	[illegible]	70	1.5
[illegible]		3½"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	24
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		PD	8-[illegible]-26	8-[illegible]-26	2114	[illegible]	12.8	270	70
		PD	[illegible]	[illegible]	[illegible]	[illegible]	12	70	23
		CT	[illegible]	9-[illegible]-26		40.8		60	
		BO	6/[illegible]/39	[illegible]	[illegible]	[illegible]	[illegible]	70	[illegible]

DATE	AMT.	DEPTH	VOLUME BEFORE	VOLUME AFTER

[illegible]

2103145P

WW-4-A
Revised 6/07

1) Date: November 10, 2015
2) Operator's Well Number
607284 (Harris #7284)
3) API Well No.: 47 State 021 County - 03145 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: Carolyn Hanson
Address: 48 Boyd Road
Tornado, WV 25202-7506

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: Danny Mullins
Address: 220 Jackacres Road
Buckhannon, WV 26201
Telephone: (304) 932-6844

5) (a) Coal Operator:
Name: None
Address:

(b) Coal Owner(s) with Declaration
Name: See Attachment
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.

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DEC 03 2015
WV Department of Environmental Protection

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

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 2nd day of December, 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.

2103145P

WW2-A

Additional Coal Owners

Sheila O. Dennis
105 Hilcrest Ave.
Elkview, WV 25071-9505

Marie F. Drain
716 Fox Avenue
Harrisville, WV 26362-1104

S&R Gas Ventures
Attn: Bob Radabaugh
P. O. Box 172
Sand Fork, WV 26430-0172

Ernest L. Arbuckle Family Trust
Security National Trust Company, Trustee
1300 Chapline Street
Wheeling, WV 26003-3348

EQT Production Company
EQT Plaza
625 Liberty Avenue
Suite 1700
Pittsburgh, PA 15222

Kathrin Harris
1149 Chesterfield Lane
Grayslake, IL 60030-3799

Judith A. Osbourn
P. O. Box 1034
Clendenin, WV 25045-1034

Sharon D. Wick
734 Hollywood Avenue
Sheffield Lake, OH 44054-1221

Shelly D. Palmer
37528 Sharpe Avenue
Willoughby, OH 44094-6015

Sharlene D. Miller
16719 Fischer Road
Cleveland, OH 44107-5535

Albert P. Black
c/o Kathryn Ellyson
3805 21st Street, West
Leigh Acres, FL 33971-5622

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Barbara S. Stine
5825 Morgantown Drive
Olive Branch, MS 38654-3548

Bernard B. Beall
Rt. 2, Box 4
Harrisville, WV 26362-9602

David R. Poling
1560 Washington Lane
West Chester, PA 19382-6832

Kathlyn B. Ellyson
3805 21st Street, West
Lehigh Acres, FL 33971-5622

Kathlyn H. Waltermire
P. O. Box 540
Colonial Beach, VA 22443-0540

Mary C. Rowe
c/o Marie Drain
716 Fox Avenue
Harrisville, WV 26362-1104

Mary H. Black
5821 Buckingham Road #6
Fort Myers, FL 33905

Robert U. Harris
881 McQueen Blvd.
St. Albans, WV 25177-3752

Stanley M. McClain
90 Hidden Lane
Horner, WV 26372-9745

Bosworth Fund
3 South Blvd.
Richmond, VA 23220-5722

Kathryn B. Ellyson
and Willard G.Ellyson
3805 21st St. West
Lehigh Acres, Fl 33971-4015

Stephen B. Zinn
2929 Fairfax Road
Cleveland Heights, OH 44118-4015

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David L. Zinn Trust
c/o Bank One
P. O. Box 99084
Fort Worth, TX 76199-0084

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2103145P

Operator's Well Number: **607284 (Harris #7284)**

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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

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

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

WAIVER

The undersigned operator _____/ owner_____/ lessee_____ of the coal under this well location has examined this proposed plugging work order. The undersigned has not no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its: _____

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NOV 16 2015
WV Department of
Environmental Protection

2103145P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
607284 (Harris #7284)
3) API Well No.: 47 021 - 03145

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: Laurel Run Quadrangle: Burnt House 7.5'
Elevation: 1058 ft. County: Gilmer District: Dekalb
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.? 20 10 ml TFW

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

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Office of Oil and Gas
NOV 16 2015
WV Department of Environmental Protection

Subscribed and sworn before me this 12th day of November, 2015

Misty S Christie Notary Public

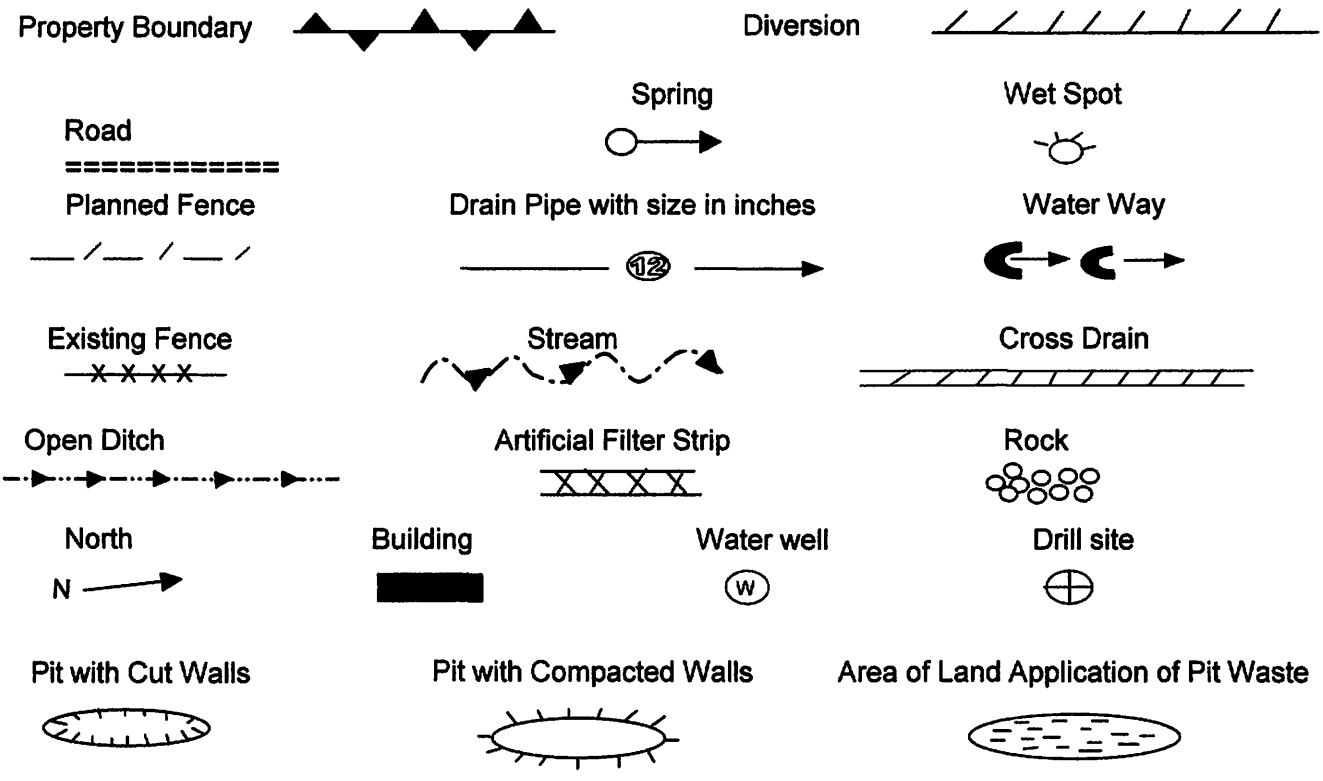
OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

My Commission Expires 2/20/18

2103145P

OPERATOR'S WELL NO.:
607284 (Harris #7284)

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: _____

Comments: _____

Title: _____ Date: _____

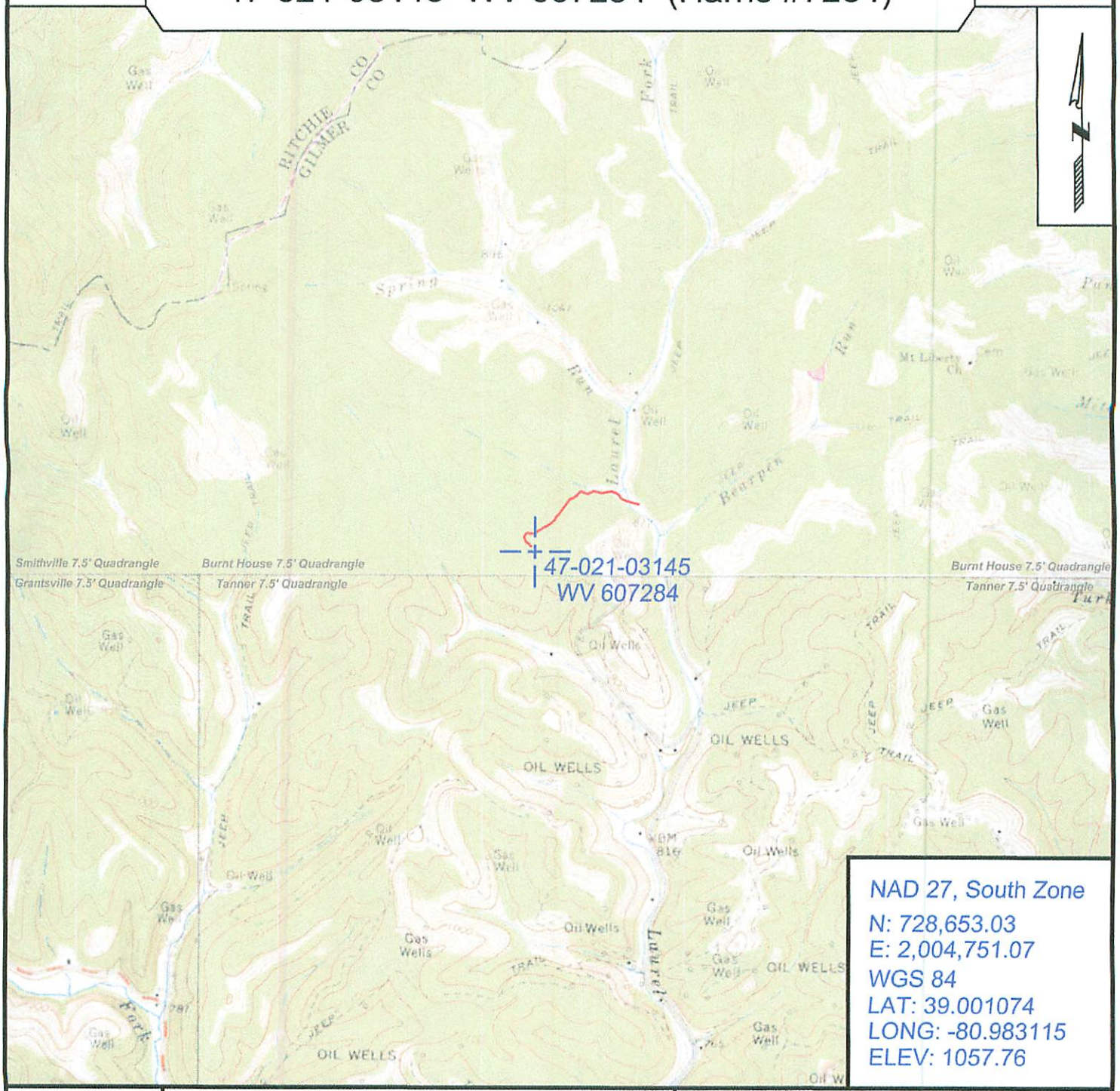
Field Reviewed? _____ Yes _____ No

2103145P

Topo Quad:	Burnt House 7.5'	Scale:	1 " = 2000'
County:	Gilmer	Date:	July 9, 2015
District:	DeKalb	Project No:	25-19-00-07

47-021-03145 WV 607284 (Harris #7284)

Topo



NAD 27, South Zone
N: 728,653.03
E: 2,004,751.07
WGS 84
LAT: 39.001074
LONG: -80.983115
ELEV: 1057.76

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

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WW-7
8-30-06

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

API: 47-021-03145 **WELL NO.:** WV 607284 (Harris #7284)

FARM NAME: Harris

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer **DISTRICT:** Dekalb

QUADRANGLE: Burnt House 7.5'

SURFACE OWNER: Kathlyn Harris Waltermire, et al.

ROYALTY OWNER: Kathryn B. Ellyson, et al.

UTM GPS NORTHING: 4316896

UTM GPS EASTING: 501462 **GPS ELEVATION:** 322 m (1058 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.

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Environmental Protection

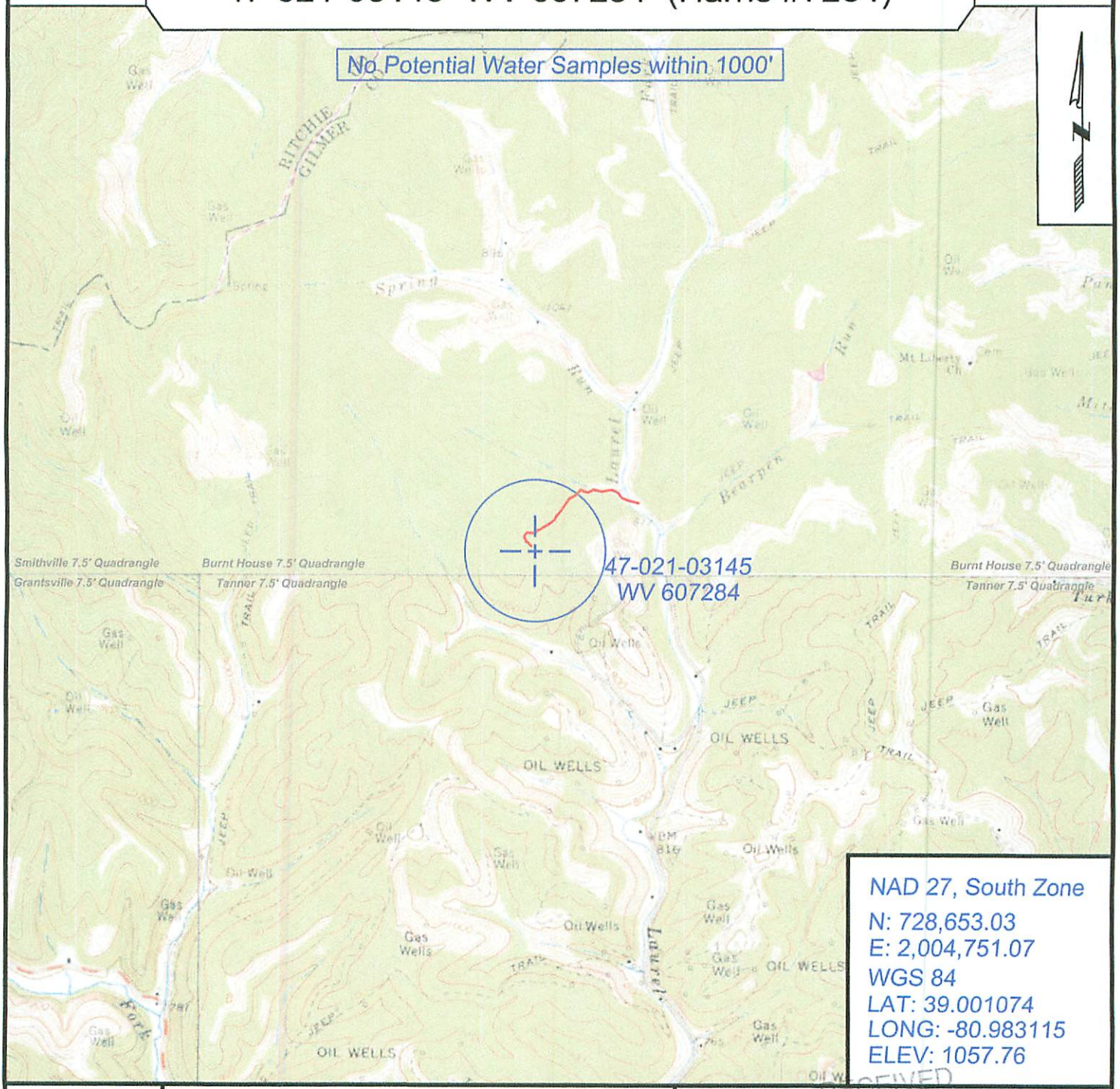
Signature	PS # 2180	7/15/15
	Title	Date

2103145P

Topo Quad:	Burnt House 7.5'	Scale:	1 " = 2000'
County:	Gilmer	Date:	July 9, 2015
District:	DeKalb	Project No:	25-19-00-07

Water

47-021-03145 WV 607284 (Harris #7284)



NAD 27, South Zone
N: 728,653.03
E: 2,004,751.07
WGS 84
LAT: 39.001074
LONG: -80.983115
ELEV: 1057.76

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Environmental Protection

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POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY .
LEASE NAME AND WELL No. Harris #7284 - WV 607284 - API No. 47-021-03145 .

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607284.

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