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 25, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1702107, 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: 4983
Farm Name: RYMER
API Well Number: 47-1702107
Permit Type: Plugging
Date Issued: 03/25/2015

Promoting a healthy environment.

1702107P

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.

1702107P

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

Date: 2-12-15
Operator's Well
Well No. 604983 Rymer B-4983
API Well No.: 47 017 - 02107

Ck 19072
$~~700.00~~ 100.00

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: 994 Watershed: Camp Run of Middle Fork of Hughes River
Location: Southwest County: Doddridge Quadrangle: Oxford 7.5'
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: Douglas Newlon
Address: 4060 Dutchman Road
Macfarlan, WV 26148

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.

RECEIVED
Office of Oil and Gas

FEB 17 2015

WV Department of
Environmental Protection

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 _____

1702107P

PLUGGING PROGNOSIS
R.B.Rymer# 4983 (604983)
Doddridge Co., West Virginia
API # 47-017-02107
District Southwest

BY: R. Green
DATE: 01/28/15

WELL RECORD INDICATES THAT THIS WELL WAS SHOT IN THE BIG INJUN 1773 – 1784. THIS IS BELOW THE 6 5/8" CASING POINT.

9 W M 3/25/15

CURRENT STATUS:

10" csg	@ 282'
8 1/4" csg	@ 969'
6 5/8" csg	@ 1695'

TD@ 2502'

Fresh Water @ 190' **Salt Water** @ None reported
1st Salt Sand @ 1167' **Coal** @ None reported
Gas Shows @ 1385' (2nd Salt Sand), 1753' (Big Injun Sand), 2368' (Gordon Sand)
Oil Shows @ None Reported
Elevation: Not Reported 994

1. Notify State Inspector, Douglas Newlon 304-932-8049, 24 hrs. Prior to commencing operations.
2. TIH W/TBG TO 1770' & GEL HOLE TO 1770'.
3. SET 140' OF C1A CEMENT PLUG TO 1630', (GAS SHOWS & CASING SEAT.)
4. TIH TAG TOP OF PLUG, ADD CEMENT IF NECESSARY.
5. TOOH WITH TUBING. GEL HOLE TO NEXT PLUG.
6. RIH free point 7" casing, cut 7" casing @ free point. (Est @1600') TOOH Csg
7. Set 100' C1A cement plug 50' in/out of cut. Perforate all Salt Sands, freshwater, coal, and oil & gas shows below cut. Do not omit any plugs.
8. TOOH tbg to1168', Set 250' C1A cement plug 1168' to 919' (81/4" casing seat gas shows & 1st Salt Sand)
9. TOOH tbg to 919', gel hole to next plug TOOH tbg.
10. RIH free point 8 1/4" casing, cut 8 ¼" casing @ free point. (Est @ 750') TOOH Csg
11. Set 100' C1A cement plug 50' in/out of cut. Perforate all Salt Sands, freshwater, coal, and oil & gas shows below cut. Do not omit any plugs.
12. TOOH tbg to 600', set 100'C1A cement plug 600' to 500' (safety plug).
13. TOOH tbg to 500'gel hole to 350'.
14. TOOH tbg to 350'set C1A cement plug 350' to surface.
15. Erect monument with API#.
16. Reclaim location, road to WV-DEP specifications.

1702107P

oc-16

604983

47-017-02107

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. _____ Oil or Gas Well "GAS" (KIND)

Company Pittsburgh & West Va Gas Company.
Address Clarksburg, West Va.
Farm Rosa B. Rymer Acres _____
Location (waters) Holbrook N/Fk. A-1
Well No. 4983 Elev. _____
District _____ County _____
The surface of tract is owned in fee by _____
_____ Address _____
Mineral rights are owned by _____
_____ Address _____
Drilling commenced June 10th, 1930
Drilling completed July 14th, 1930
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	282'	282'	Size of
8¼	969'	969'	
6⅝	1695'	1695'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock		Soft	0	35			
Shale	White	"	35	90			
Lime	"	Hard	90	110			
Slate	"	Soft	110	125			
Red Rock	~~Soft~~ Red	"	125	165			
Sand	White	Soft	165	235	Water	190'	
Slate	"	"	235	320			
Lime	"	Hard	320	440			
Red Rock	Red	Soft	440	460			
Lime	White	Gritty-Hard	460	474			
Red Rock	Red	Soft	474	555			
Lime	White	Hard	555	678			
Red Rock	Red	Soft	678	755			
Lime	White	Hard	755	770			
Slate	"	Soft	770	845			
Little Dunkard	"	Hard	845	905			
Slate	"	Soft	905	959			
Big Dunkard	"	Hard	959	994			
Slate	"	Soft	994	1020			
Gas Sand	"	Hard	1020	1065			
Slate	Dark	Soft	1065	1167			
1st.Salt Sand	White	Hard	1167	1181	Gas	1168-1178'	
Slate	Dark	Soft	1181	1360			
2nd.Salt Sand	White	Hard	1360	1430			
Slate	Dark	Soft	1430	1503			
3rd.Salt Sand	White	Hard	1503	1572			
Slate	Dark	Soft	1572	1623			
Little Lime	White	Hard	1623	1645			
Slate	"	Soft	1645	1650			
Blue Monday Sand	Wh.	Hard	1650	1672			
Slate	White	Soft	1672	1680			
Lime-Big	"	Hard	1680	1737			
Big Injun Sand	"	~~Soft~~Hard	1737	1827	Gas	1770-1772'	
Slate &Shells	White	Soft	1827	1965	Gas	1780-1782'	
Berea Grit	"	Hard	1965	2070			
Slate	Dark	Soft	2070	2361			
Gordon Stray	White	Hard	2361	2370			
Slate	"	Soft	2370	2440			
Pink Rock	Pink	"	2440	2450			

(Over)

RECEIVED
Office of Oil and Gas
FEB 17 2015
WV Department of
Environmental Protection

Provided By OOGC

Rymer #1 (47-017 - 4711)
Four Stage Foam Frac – BJ Services

1st Stage:	Alexander (11 holes) (5051' to 5187.50') Elk (4 holes) (4976' to 5051.25')	60 Quality Foam. 500 gal. 15 60,000# 20/40 sand, 550,000 814 bbls foam.
2nd Stage:	Benson (8 holes) (4851.25' to 4853') Third Riley (7 holes) (4723.50' to 4775')	60 Quality Foam. 750 gal 15 30,000# 20/40 sand, 370,000 524 bbls foam.
3rd Stage:	Riley (11 holes) (4438' to 4453') Balltown (3 holes) (4013' to 4013.50')	60 Quality Foam 1,000 gal 15 5,000# 80/100 sand, 30,000 426,000 SCF N2, 603 bbls fo
4th Stage:	Speechley (9 holes) (3309.50' to 3384') Warren (6 holes) (3265.75' to 3276.75')	60 Quality Foam. 750 gal 15% 5,000# 80/100 sand, 35,000 464,000 SCF N2, 593 bbls fo

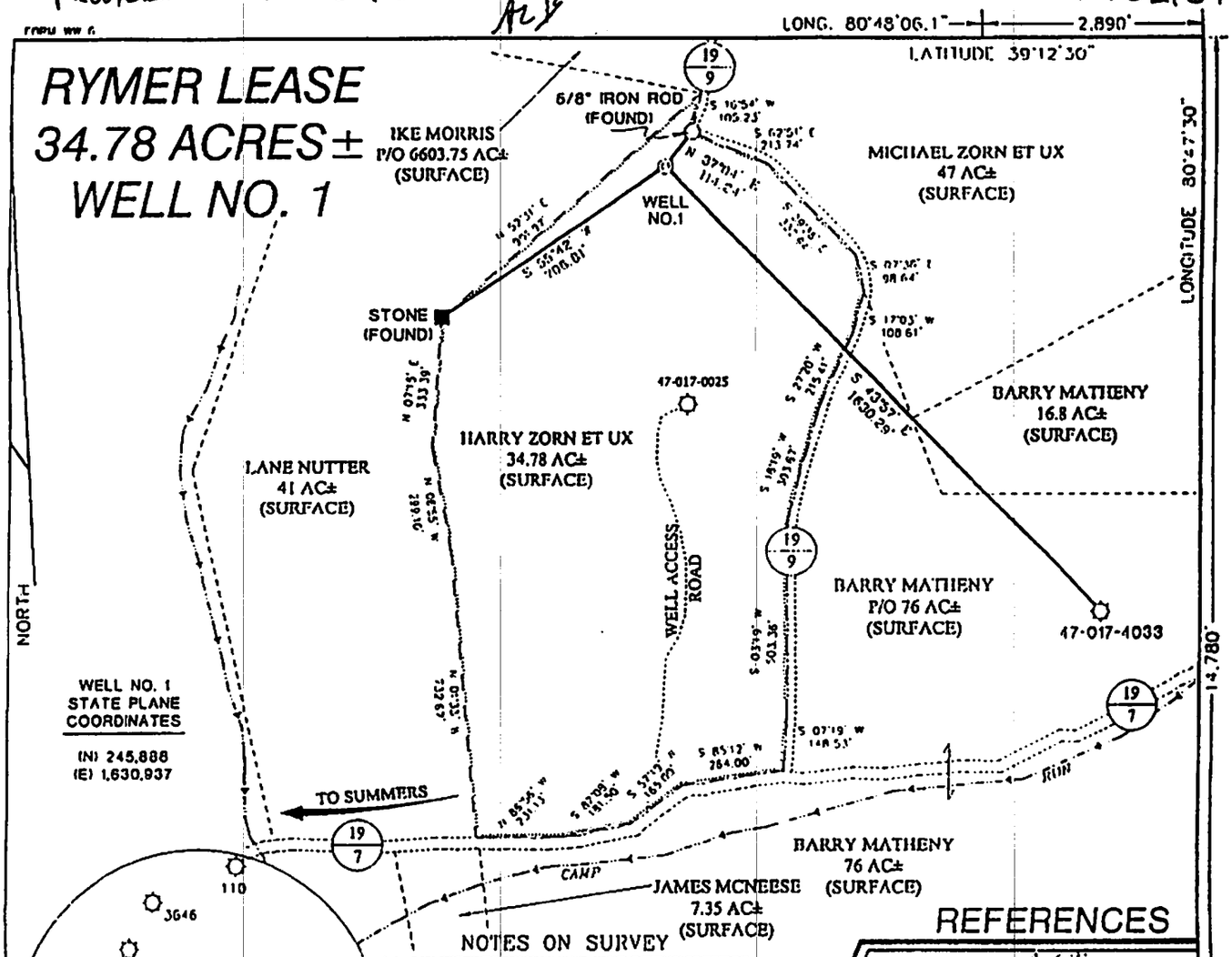
WELL LOG

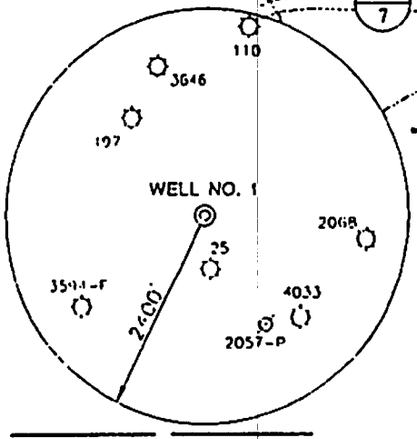
KB-GL	0	10	
Clay	10	12	
Sand & Shale	12	120	
Red Rock & Shale	120	139	
Sand & Shale	139	314	½" water @ 2
Red Rock	314	325	
Sand & Shale	325	750	
Red Rock	750	800	
Sand & Shale	800	1064	
Sand	1064	1169	
Sand & Shale	1169	1796	
Shale	1796	1834	
Little Lime	1834	1880	
Big Lime	1880	1950	
Big Injun	1950	2034	
Sand & Shale	2034	2180	
Weir	2180	2301	
Shale	2301	2380	
Berea	2380	2384	
Shale	2384	2600	
Gordon	2600	2616	
Shale	2616	3254	**Gas Checks**
Warren	3254	3294	1790' – No Sh
Shale	3294	3304	2108' – Oil Od
Speechley	3304	3390	2577' - Odor
Siltstone & Shale	3390	3588	3208' - Odor
Balltown	3588	4334	3969' - 6/10ths
Shale	4334	4403	4404' - 6/10ths
Riley	4403	4468	4801' - Odor
Shale	4468	4702	5093' - Odor
Third Riley	4702	4792	5341' - Odor
Shale	4792	4844	
Benson	4844	4856	
Shale	4856	4978	
Elk	4978	5058	
Shale	5058	5087	
Alexander	5087	5193	
Sand & Shale	5193	5341	
T.D.	5341		

PROVIDED BY OO&G. ALB 1702107P

FORM WW 6

RYMER LEASE
34.78 ACRES±
WELL NO. 1

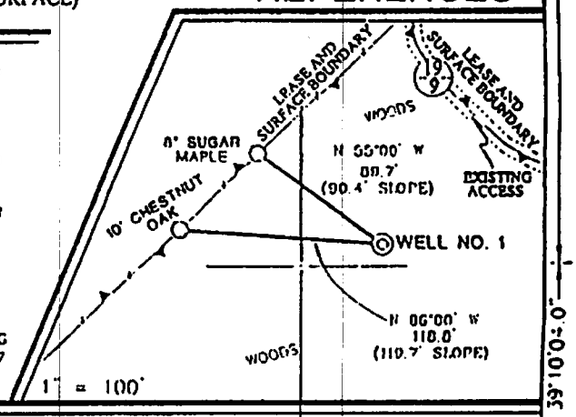




NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-29-01.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE OPINION PREPARED BY GARY MORRIS, LAWYER
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN OCTOBER, 2001.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. CO. RT. 19/9 DOES NOT APPEAR ON CURRENT ROAD MAPS, HOWERVER 1937 ROAD MAPS SHOW SAID ROAD AS RUNNING 1.7 MILES EXTENDING FROM CO. RT. 19/7 TO 23/3.

REFERENCES



SLS

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 Gregory A. Smith

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

(1) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE NOVEMBER 12, 20 01

OPERATORS WELL NO. 1

API WELL NO 47 — 17 — 04711
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4901P1(114-22)

SCALE 1"=400'

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 840'

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

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

LOCATION :

ELEVATION 1215' WATERSHED CAMP RUN OF MIDDLE FORK

DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER HARRY L. ZORN, ET UX ACREAGE 34.78±

ROYALTY OWNER HARRY L. ZORN, ET UX LEASE ACREAGE 34.78±

PROPOSED WORK : LEASE NO. ___

DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___

PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION ALEXANDER

ESTIMATED DEPTH 5600'

COUNTY NAME 0000

PERMIT 4711

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

RECORD PROVIDED BY OO&G

Formerly 017-2107

DOD - 25

PITTSBURGH & WEST VA GAS CO. Company

CLARKSBURG, WEST VA. Address

Well No.4983, Rosa B. Rymer farm, DOD-25

Southwest Dist., Doddridge Co., W.Va.

COMPLETION DATA SHEET NO. 2 FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Red Rock	Red	Soft		1	35	34	35	
Slate	White	"		35	90	55	90	
Lime	"	Hard		90	110	20	110	
Slate	"	Soft		110	125	15	125	
Red Rock	Red	"		125	165	40	165	
Sand	White	"	Water 190	165	235	70	235	1 Bailer
Slate	"	"		235	320	85	320	
Lime	"	Hard		320	440	120	440	
Red Rock	Red	Soft		440	460	20	460	
Lime	White	Hard		460	474	14	474	
Red Rock	Red	Soft		474	555	81	555	
Lime	White	Hard		555	678	123	678	
Red Rock	Red	Soft		678	755	77	755	
Lime	White	Hard		755	770	15	770	
Slate	"	~~White~~ Soft		770	845	75	845	
L. Dunkard	"	Hard		845	905	60	905	
Slate	"	Soft		905	959	54	959	S.L.969'
Big Dunkard	"	Hard		959	994	35	994	
Slate	"	Soft		994	1020	26	1020	
Gas Sand	"	Hard		1020	1065	45	1065	
Slate	Dark	Soft		1065	1167	102	1167	
1st.Salt	White	Hard	Gas 1168-78	1167	1181	14	1181	S.L.1169'
Slate	Dark	Soft		1181	1360	179	1360	S.L.1360'
2nd.Salt	White	Hard		1360	1430	70	1430	
Slate	Dark	Soft		1430	1503	73	1503	
3rd. Salt	White	Hard		1503	1572	69	1572	
Slate	Dark	Soft		1572	1623	51	1623	
L. Lime	White	Hard		1623	1645	22	1645	
Slate	"	Soft		1645	1650	5	1650	
Sand	"	Hard		1650	1672	22	1672	Blue Monday
Slate	"	Soft		1672	1680	8	1680	
Big Lime	"	Hard		1680	1737	57	1737	
Big Injun	"	"	Gas 1770-72	1737	1827	90	1827	S.L.1772'
Slate-Shell	"	Soft	" 1780-82	1827	1965	138	1965	
Berea Grit	"	Hard		1965	2070	105	2070	
Slate	Dark	Soft		2070	2361	291	2361	
Gordon Stray	White	Hard		2361	2370	9	2370	S.L.2367'
Slate	"	Soft		2370	2440	70	2440	
Pink Rock	Pink	"		2440	2450	10	2450	
Slate-Shell	Dark	Soft&Hard		2450	2502	52	2502	
			TOTAL DEPTH			------	2502	

Well was ~~xxxxxxx~~ shot at Big Injun 1784 feet; well was shot at Big Injun 1773 feet.

~~Salt~~ Fresh water at 190' feet; salt fresh water at ..... feet.

Well was producing ~~dxxxx~~ 6-5/8 hole.

PITTSBURGH & WEST VA GAS COMPANY.

August 13th, 1930. Date

Approved ..... By, J. F. McNary

Owner Superintendent.

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

Dod - 25

RECORD PROVIDED BY OO&G

LOCATION OF WELL NO. 4983

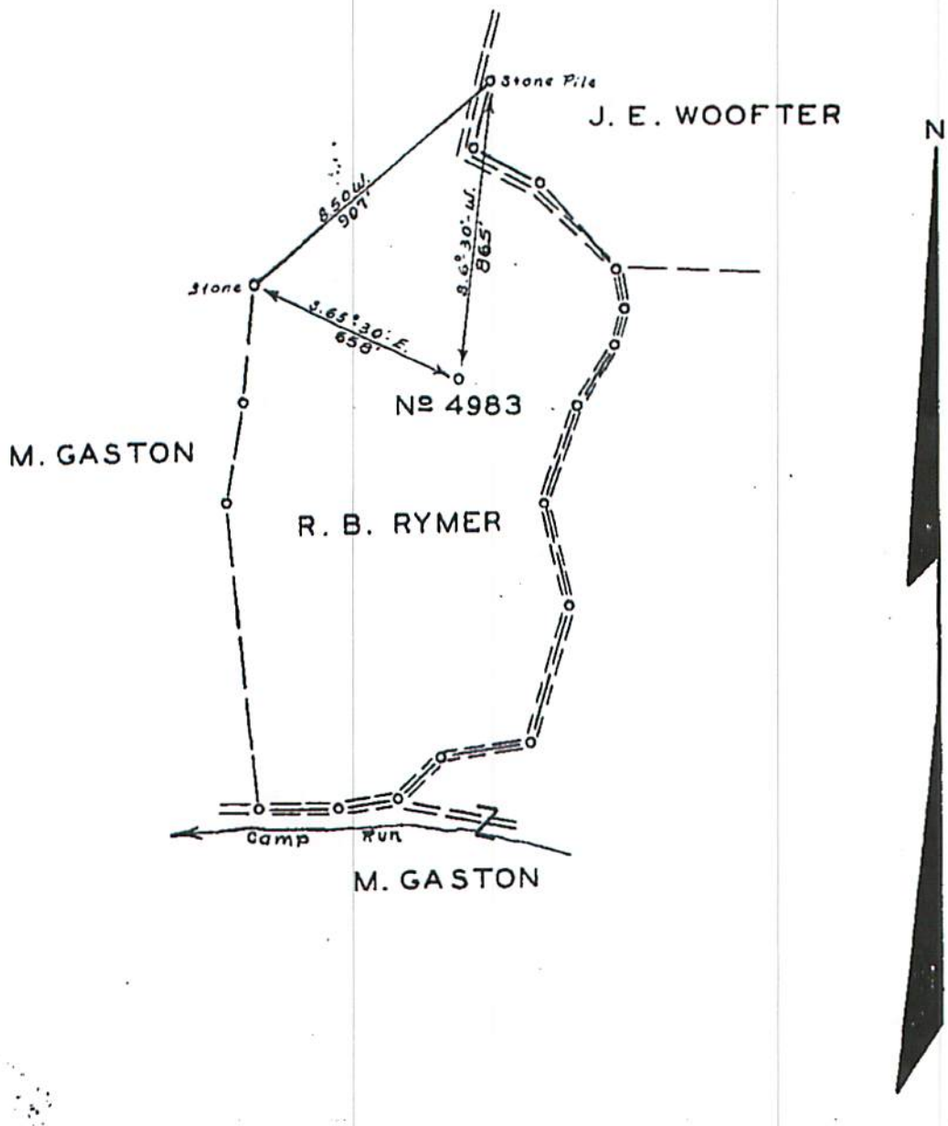
PITTSBURGH & W.VA. GAS COMPANY OF PITTSBURGH PA.

LEASE NO 21005 LESSOR R. B. RYMER ACRES 36.5

DISTRICT SOUTHWEST COUNTY DODDRIDGE STATE W.VA.

QTR. QUADRANGLE HOLB. N.E. 4-1 DATE APRIL-18-30 NO. ON LEASE 1

LEASE EXPIRES --F. RESERVATION ELEVATION 1012'-L.



SCALE:- 1"=500'

ENGINEER'S CERTIFICATE

Dodd-25

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT AND SHOWS ALL THE INFORMATION TO THE BEST OF MY KNOWLEDGE AND BELIEF REQUIRED BY THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA.

J. C. Bingham
ENGINEER

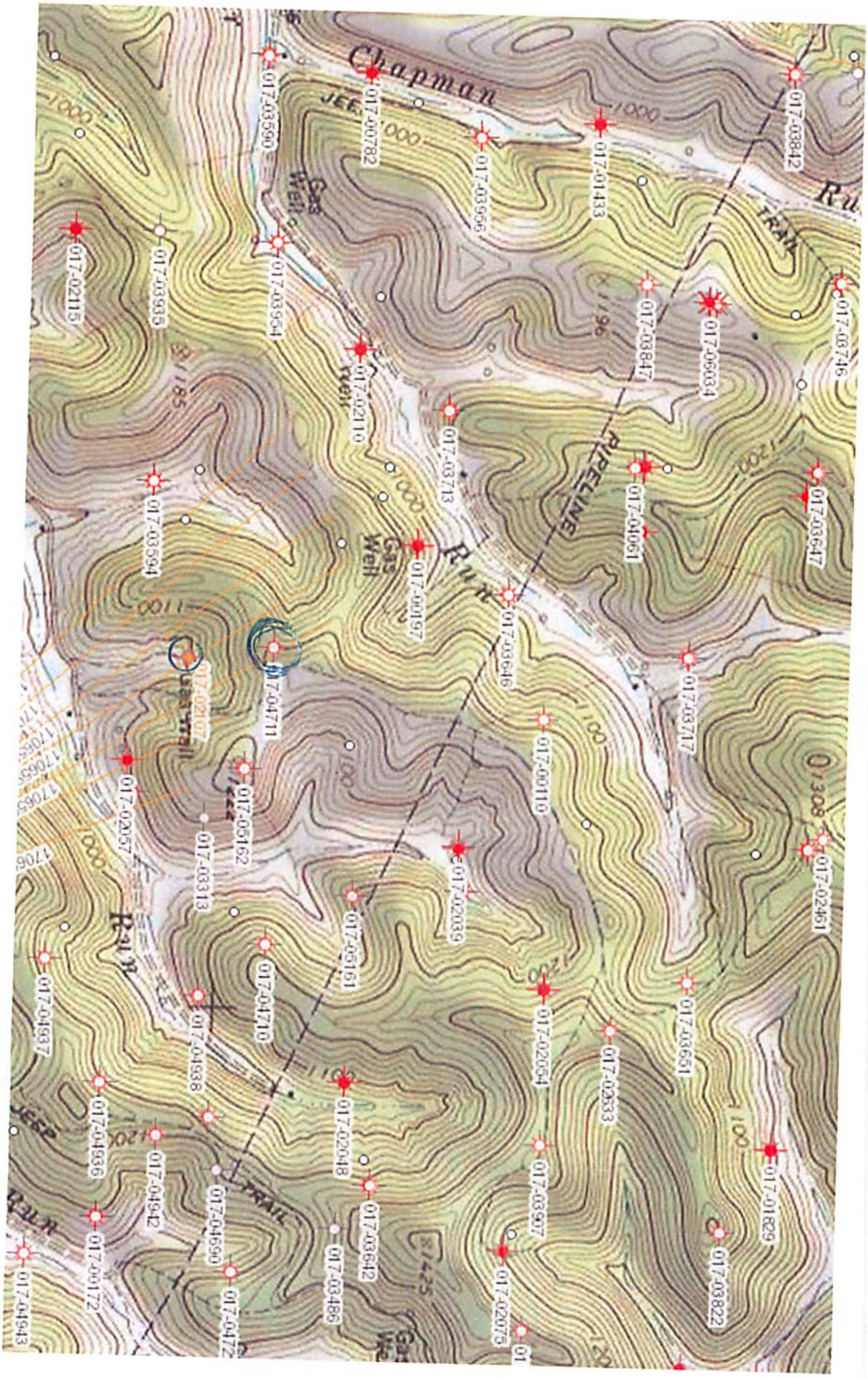
ACKNOWLEDGED BEFORE ME A Notary Public, THIS 21st

DAY OF April 1930

W. C. McMasters

PROVIDED BY OOGC

1702107 P



17021070

WW-4-A
Revised 6/07

1) Date: 2-12-15
2) Operator's Well Number
604983 Rymer B-4983
3) API Well No.: 47 017 - 02107
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: Marion G. Zorn
Address: 1157 Camp Run Rd. ✓
West Union, WV 26456

(b) Name
Address

(c) Name
Address

6) Inspector: Douglas Newlon
Address: 4060 Dutchman Road
Macfarlan, WV 26148
Telephone: 304-932-8049

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

(b) Coal Owner(s) with Declaration
Name: Marion G. Zorn
1157 Camp Run Rd. ✓
Address: West Union, WV 26456

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.

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Bumgardner
Rt. 1, Box 4
Liberty, WV 25124
My Commission Expires July 27, 2018

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

Subscribed and sworn before me this 10 day of FEBRUARY, 2015
Notary Public
My Commission Expires: 7/27/2018

RECEIVED
Office of Oil and Gas
FEB 17 2015
WV Department of
Environmental Protection

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.

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Bonnadonna
Rt. 1, Box 1
Liberty, WV 25124
My Commission Expires Jan. 27, 2018

1702107P

FIRST-CLASS MAIL
$07.40
ZIP 26330
041L10228892

neopost
02/12/2015
US POSTAGE

CERTIFIED MAIL™

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7014 0510 0000 4438 8175

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OFFICIAL USE

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Po	

Postmark Here

Sent To
Street, Ap or PO Bo
City, Stat

Marion G. Zorn
1157 Camp Run Rd
West Union, WV 26456
604983 Rymer B-4983 Plugging

PS Form 3800, August 2006 See Reverse for Instructions

orn
un Rd
/ 26456
Plugging

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Marion G. Zorn
1157 Camp Run Rd
West Union, WV 26456
604983 Rymer B-4983 Plugging

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) C. Date of Delivery

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

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number
(*Transfer from service label*) 7014 0510 0000 4438 8175

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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WV Department of
Environmental Protection

QT
Vicki Roark
Box 280
Ageport, WV 26330

1702107P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
604983 Rymer B-4983
3) API Well No.: 47 017 - 02107

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: Camp Run of Middle Fork of Hughes River Quadrangle: Oxford 7.5'

Elevation: 994 County: Doddridge District: Southwest

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 ____

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 10 day of FEBRUARY 2015

Notary Public

My Commission Expires 7/27/2018

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OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Bumgardner
Rt. 1, Box 4
Liberty, WV 25124
My Commission Expires July 27, 2018

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Romanoner
Rt. 1, Box 4
Liberty, WV 25124
My Commission Expires July 22, 2018

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OPERATOR'S WELL NO.:
604983 Rymer B-4983

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: Douglas [illegible]

Comments: Install [illegible] to [illegible] Dep regulations

Title: Oil + Gas inspector Date: 2-[illegible]-2015

Field Reviewed? _____ Yes ✓ No

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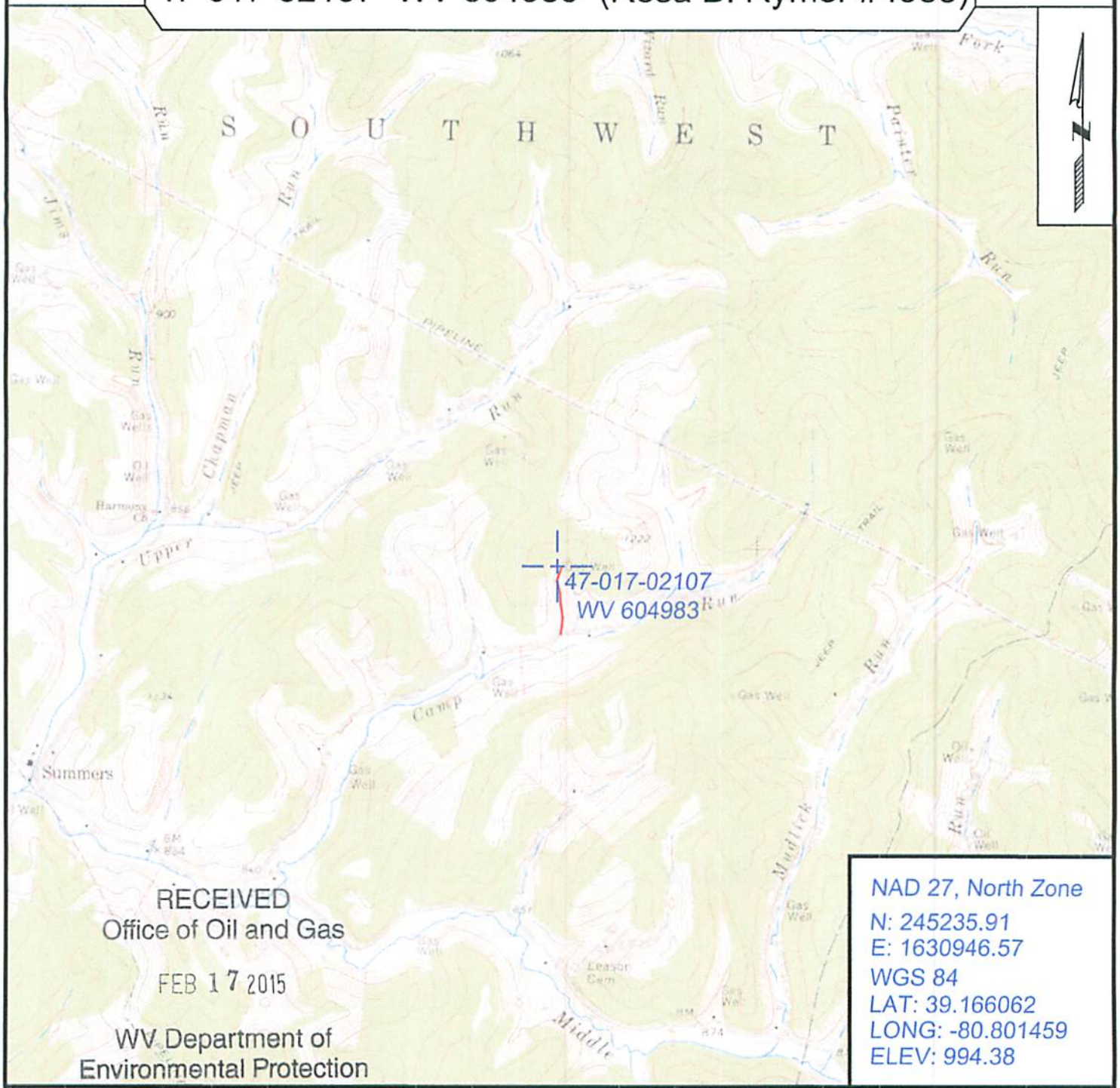
Topo Quad:	Oxford 7.5'	Scale:	1 " = 2000'
County:	Doddridge	Date:	January 21, 2015
District:	South West	Project No:	67-30-00-08

47-017-02107 WV 604983 (Rosa B. Rymer #4983)

Topo



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Environmental Protection

NAD 27, North Zone
N: 245235.91
E: 1630946.57
WGS 84
LAT: 39.166062
LONG: -80.801459
ELEV: 994.38

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

17 02107 P

WW-7
8-30-06

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

API: 47-017-02107 **WELL NO.:** WV 604983 (Rosa B. Rymer #4983)

FARM NAME: Rymer

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Doddridge **DISTRICT:** South West

QUADRANGLE: Oxford 7.5'

SURFACE OWNER: Edward S. & Gina B. Bassett

ROYALTY OWNER: Marian G. Zorn, et al.

UTM GPS NORTHING: 4335224

UTM GPS EASTING: 517152 **GPS ELEVATION:** 303 m (994 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 Title | 1/23/15 Date

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POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY.
LEASE NAME AND WELL No. Rosa A. Rymer #4983 - WV 604983 - API No. 47-017-02107.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 910 +/- Owner: Marion Zorn
Address: 1157 Camp Run Rd., West Union, WV 26456 Phone no. 304-349-4424.
Comments:

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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

ALLEGHENYSURVEYS.COM

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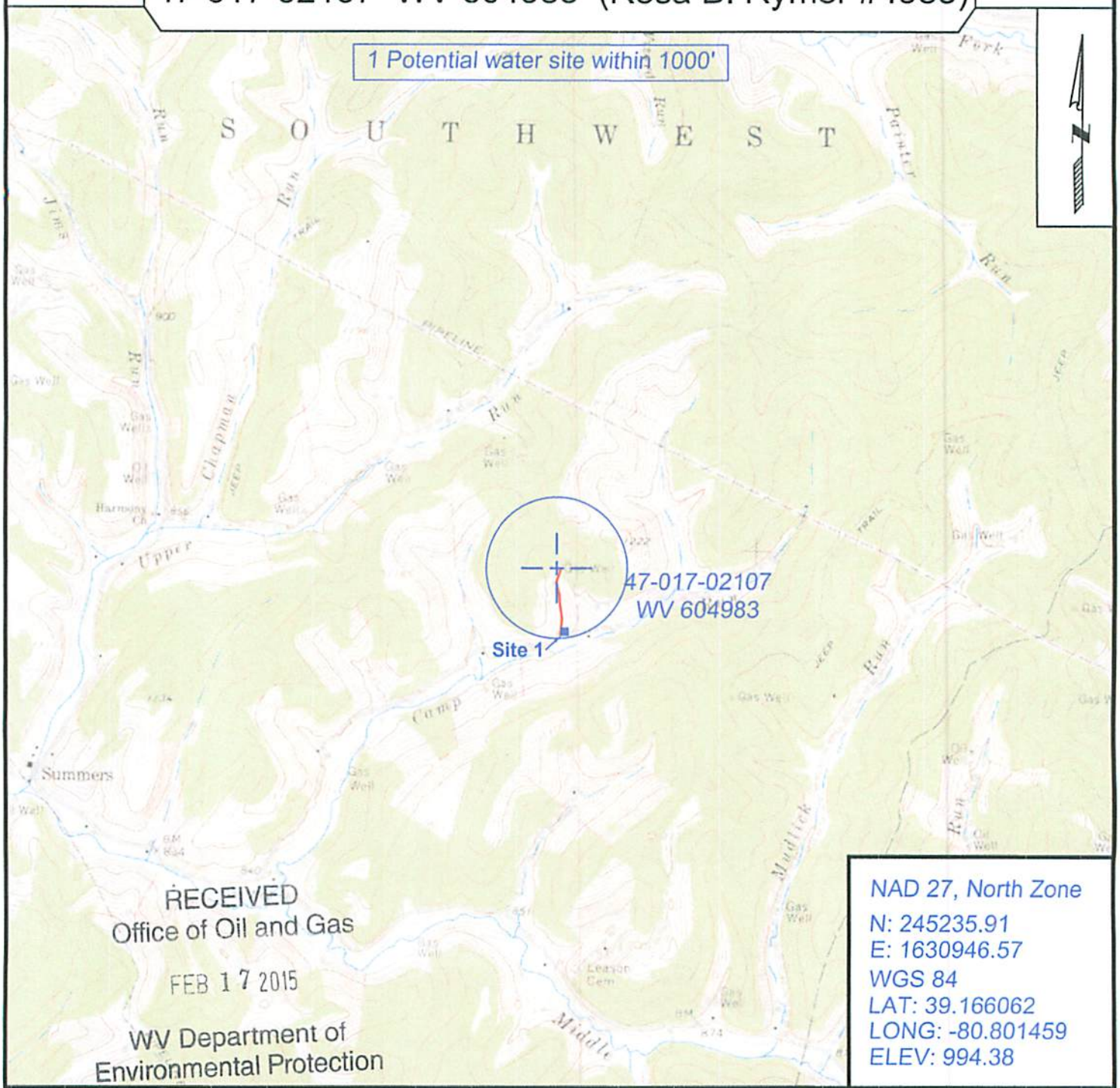
Topo Quad:	Oxford 7.5'	Scale:	1 " = 2000'
County:	Doddridge	Date:	January 21, 2015
District:	South West	Project No:	67-30-00-08

Water

47-017-02107 WV 604983 (Rosa B. Rymer #4983)



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PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

1702107P

PLUGGING PROGNOSIS
R.B.Rymer# 4983 (604983)
Doddridge Co., West Virginia
API # 47-017-02107
District Southwest

BY: R. Green
DATE: 01/28/15

CURRENT STATUS:

10" csg	@ 282'
8 1/4" csg	@ 969'
6 5/8" csg	@ 1695'

TD@ 2502'

JOIP

Fresh Water @ 190' **Salt Water** @ None reported
1st Salt Sand @ 1167' **Coal** @ None reported
Gas Shows @ 1385' (2nd Salt Sand), 1753' (Big Injun Sand), 2368' (Gordon Sand)
Oil Shows @ None Reported
Elevation: Not Reported

1. Notify State Inspector, Douglas Newlon 304-932-8049, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg to 2450', gel hole to 1785'.
3. TOOH tbg to 1785', set 140' C1A cement plug 1785' to 1645'(gas shows ,& 7" casing seat)
4. TIH tag top of plug, add additional C1A if necessary.
5. TOOH tbg 1645', gel hole to next plug TOOH tbg.
6. RIH free point 7" casing, cut 7" casing @ free point. (Est @1600') TOOH Csg
7. Set 100' C1A cement plug 50' in/out of cut. Perforate all Salt Sands, freshwater, coal, and oil & gas shows below cut. Do not omit any plugs.
8. TOOH tbg to1168', Set 250' C1A cement plug 1168' to 919' (81/4" casing seat gas shows & 1st Salt Sand)
9. TOOH tbg to 919', gel hole to next plug TOOH tbg.
10. RIH free point 8 1/4" casing, cut 8 ¼" casing @ free point. (Est @ 750') TOOH Csg
11. Set 100' C1A cement plug 50' in/out of cut. Perforate all Salt Sands, freshwater, coal, and oil & gas shows below cut. Do not omit any plugs.
12. TOOH tbg to 600', set 100'C1A cement plug 600' to 500' (safety plug).
13. TOOH tbg to 500'gel hole to 350'.
14. TOOH tbg to 350'set C1A cement plug 350' to surface.
15. Erect monument with API#.
16. Reclaim location, road to WV-DEP specifications.

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