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

June 14, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4100084, 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: 7943
Farm Name: BORAM
API Well Number: 47-4100084
Permit Type: Plugging
Date Issued: 06/14/2016

4100084P

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.

4/1000847

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

Date: May 10, 2016
Operator's Well
Well No. 607943 (S. C. Boram #1 7943)
API Well No.: 47 041 - 00084

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: 1514 ft. Watershed: Finks Run
Location: Skin Creek County: Lewis Quadrangle: Berlin 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 Barry Stollings
Name: 28 Conifer Drive
Address: 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.

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OFFICE OF OIL AND GAS
JUN 07 2016

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 Bryan Harris Date 6-7-16

4/10008647

PLUGGING PROGNOSIS

Boram,S.C. #7943(607943)
Lewis. Co. WV
District, Skin Creek
API # 47-041-00084
BY: R.Green
DATE: **02/17/15**

CURRENT STATUS:
10" @ 306'
8 ¼" @ 999'
6 5/8" @ 2591' (on packer @ 2587')
TD @ 4811'
Elevation @ 1519'

Fresh Water @ 46'& 1100' HOLE SHOT FROM 4641' TO 4657'.
Salt Water @ None reported
Coal @ 232'& 555'
Gas Shows@ 2015'& 4646'
Oil Shows @ None reported

1. Notify State Inspector, Barry Stollings, 304-552-4194, 24 hrs. Prior to commencing operations.
2. TIH w/tbg to 4800' gel hole 4800' to 4645'.
3. TOOH w/tbg to 4645', set 100' C1A cement plug 4645' to 4545'.(Benson Gas @ 4646'). WAIT 4 HOURS & TAG PLUG. ADD C1A CEMENT IF NEEDED. SAME
4. TOOH w/tbg to 4545', gel hole 4545' to 3545'.
5. TOOH w/tbg, to 3545, set 100' C1A cement plug 3545' to 3445'. (Safety plug). WAIT 4 HOURS & TAG PLUG, ADD C1A CEMENT IF NEEDED.
6. TOOH w/tbg to 3445' gel hole 3445' to 3000'.
7. TOOH w/ tbg to 3000', set 100' C1A cement plug 3000' to 2900'.(Safety Plug)
8. TOOH w/ tbg to 2900', gel hole 2900' to 2650'.
9. TOOH w/tbg to 2650' set 150' C1A cement plug, 2650 to 2500' (7" casing seat & packer).TOOH tbg.
10. Free point 7" casing , cut casing @ free point,(est@ 2400')TOOH casing.
11. 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.
12. TOOH w/tbg to 2350, gel hole 2350' to 2000'
13. TOOH w/tbg to 2000', set 100' C1A cement plug 2000' to 1900', (gas show @ 2015').
14. TOOH w/tbg to 1900', gel hole 1900' to 1560'.
15. TOOH w/tbg to 1560', set 100' C1A cement plug, 1560' to 1460', (elevation).
16. TOOH w/tbg to 1460', gel hole 1460' to 1100'.
17. TOOH w/tbg to 1100', set 200' C1A cement plug, 1100' to 900', (water @ 1100'& 8 ¼" casing seat).
18. TOOH w/tbg to 900', gel hole 900' to 800'. TOOH tbg .
19. Free point 8 ¼" casing, cut casing @ free point, (est.@ 800'), TOOH casing.
20. 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.
21. TOOH w/tbg to 750', gel hole 750' to 600'.
22. TOOH w/tbg to 600', set 100' C1A cement plug 600' to 500'. (Coal @ 555').
23. TOOH w/tbg to 500' gel hole 500' to 350'.
24. TOOH w/tbg to 350', set 350' C1A cement plug, 350' to surface. (Coal @ 232', water@ 46', 10" casing seat @ 306').
25. Erect monument with API#.
26. Reclaim road, location to WV-DEP specifications

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HG-10

4100084P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. IEW-84

Oil or Gas Well "GAS" (KIND)

Company Pittsburgh & West Va Gas Company.
Address Clarksburg, West Va.,
Farm S. C. Boram et al. Acres 45
Location (waters) Weston S/E. 3-4
Well No. 7943 Elev. 1519' VA
District Skin Creek County Lewis
The surface of tract is owned in fee by S. C. Boram, Agent.
Address Lorentz, W.Va.,
Mineral rights are owned by S. C. Boram, Agent.
Address Lorentz, W.Va.,
Drilling commenced January 17, 1944
Drilling completed April 13, 1944
Date Shot 4-15-1944 From 4641 To 4657'
With 115 Quarts - Nitro Glycerine.

Open Flow /10ths Water in Inch
6 /10ths Merc. in 1-1/2" F.M. Inch
Volume 187,000 Cu. Ft.
Rock Pressure 1100 lbs. 24 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 Anchor
13			
10	306'	306'	Size of 8-1/4" X
8¼	999'	999'	6-5/8"
6⅝	2591'	2591'	Depth set 2587'
5 3/16			1-8-1/4" Csg.Sh
3			1-6-5/8" " Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Da

COAL WAS ENCOUNTERED AT 232 FEET 48 INCHI
555 FEET 36 INCHES FEET INCHI
FEET INCHES FEET INCHI

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Red	Soft	0	16			
Soap-stone		"	16	28			
Red Rock		"	28	65	Water	46'	3 Bailers H
Lime			65	100			
Red Rock		Soft	100	145			
Lime		Broken	145	232			
Coal	Black	Soft	232	236			
Lime			236	372			
Slate-Shells	Red	Soft-Hard	372	407			
Lime	White	Hard	407	432			
Slate	"	Soft	432	510			
Slate	Red	"	510	540			
Lime	White	Hard	540	555			
Coal	Black	Soft	555	558			
Slate Shells	White	Soft-Hard	558	640			
Lime	"	Hard	640	660			
Slate	"	Soft	660	665			
Slate	Red	"	665	712			
Slate-Shells	White	"	712	762			
Sand	"	Hard	762	790			
Slate	"	Soft	790	882			
Lime	"	Hard	882	946			
Slate	Dark	Soft	946	963			
Sand		Hard	963	983			
Slate	Black	Soft	983	990			
Lime	Gray	Hard	990	1016			
Gas Sand	White	Close	1016	1045			
Slate Shells	"	Soft	1045	1084			
Sand	"	Hard	1084	1119	Water	1100'	1/2 Bailer H
Lime	Dark	Broken	1119	1143			
1st.Salt Sand	White	Hard	1143	1188			
Slate	Black	Soft	1188	1205			
1st.Salt Sand	White	Hard	1205	1233			
Slate&Shells	Black	Soft	1233	1283			
Lime	White	Hard	1283	1305			
2nd.Salt Sand	"	Close	1305	1403			
Slate	"	Soft	1403	1405			
2nd.Salt Sand	"	Close	1405	1442			
Slate	Black	Soft	1442	1547			

(Over)

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
3rd.Salt Sand	White	Hard	1547	1640			
Slate	"	Soft	1640	1645			
Red Rock	Red	"	1645	1736			
Lime	White	Hard	1736	1781			
Maxon Sand	Light	Hard	1781	1806			
Slate-Shells	Red	Soft-Hard	1806	1892			
Little Lime	Dark	Hard	1892	1909			
Slate&Shells	White	Soft	1909	1934			
Big Lime	"	Hard	1934	2021	Sh. Gas	2015'	
Big Injun	"	"	2021	2145			
Squaw Sand	Blue	"	2145	2229			
Slate	Dark	Soft	2229	2234			
Berea	Light	Hard	2234	2323			
Slate-Shells	White	Soft	2323	2335			
Lime	"	Hard	2335	2342			
Gantz Sand	Dark	Hard	2342	2430			
Slate	"	Soft	2430	2435			
Lime	"	Hard	2435	2450			
Red Rock	Red	Soft	2450	2455			
Lime	White	Hard	2455	2482			
Slate	"	Soft	2482	2487			
Thirty Foot Sand	Light	Close	2487	2499			
Red Rock	Red	Soft	2499	2507			
Gordon Stray	White	Hard	2507	2532			
Slate&Shells	Red	Soft&Hard	2532	2583			
Gordon Sand	Dark	Hard	2583	2629			
Slate&Shells	Red	Soft&Hard	2629	2637			
4th.Sand	White	Hard	2637	2665			
Slate	"	Soft	2665	2720			
Sand	"	Hard	2720	2731			
Slate&Shells	"	Soft	2731	2741			
5th.Sand	"	Hard	2741	2781			
Slate&Shells	"	Soft&Hard	2781	2816			
Lime	"	Hard	2816	2838			
Slate&Shells	"	Soft&Hard	2838	3048			
Lime	"	Hard	3048	3138			
Slate&Shells	"	Soft	3138	3173			
Lime	Dark	Hard	3173	3505			
Slate&Shells	White	Soft	3505	3548			
Sand	Dark	Close	3548	3593			
Lime	White	Hard	3593	4013			
Slate&Shells	"	Hard&Soft	4013	4491			
Lime	"	Hard	4491	4501			
Slate &Shells	"	Soft&Hard	4501	4643			
Benson Sand	Brown	Hard	4643	4656	Gas	4646-4650'	28/10 Water 1-1/2" Opng.
Slate	Dark	Soft	4656	4661			
Lime	Dark	Hard	4661	4811			
Total Depth				4811			

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Date April 24, 1944, 194

APPROVED PITTSBURGH & WEST VA GAS COMPANY., Owner

By W. [illegible] (Title)

4100084P

WELL NO. 7943 LESSOR BORAM S.C. et ux LEASE NO. 22770 ACRES 45 MAP Weston S.E. 3rd ELEVATION 1515 T DIV. K DIST. WESTON

TWP. OR DIST. Hackers Creek
COUNTY LEWIS
LOCATED 11-26-43
@/O NO. 1346 DATE 12-1-43
CONTRACTOR Weston Drilling Co.
@ AVN PER FT.
COMMENCED 1-17-44
COMPLETED 4-13-44
PURCHASED FROM
DATE PURCHASED
OUTSIDE SERIAL NO.
SOLD TO
DATE SOLD
DATE ABANDONED
DATE PLUGGED
ANNUAL ROYALTY $ .300 DUE 1-1-45
WORKMEN'S COMP. NOTICE POSTED
DRILLER'S LOG IN FILE ✓

COAL DATA

OWNER Peerless Coal Mining Co.
ADDRESS Buckhannon W. VA.
DATE NOTIFIED LOCATION
DATE APPROVED

DEPARTMENT OF MINES DATA

DRL'G. PERMIT NO. LEW-84 DATE 12-20-43
DRL'G. DPR. PERMIT NO. "
PLUGGING PERMIT NO. "

FREE GAS DATA

ANNUAL ALLOWANCE M. C. F.
CONSUMER [O/T]
ADDRESS

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
RED ROCK	28	65			46
WAYNESBURG COAL					
MAPLETOWN "					
REDSTONE "	232	236			
PITTSBURGH "					
MURPHY SAND					
AMES LIMESTONE COAL	555	558			
BAKERSTOWN COAL					
L. DUNKARD SAND					
SAND	762	790			
B. DUNKARD SAND					
UPPER FREEPORT COAL					
L. " "					
U. KITT. "					
M. " "					
L. " "					
SAMPSON SAND	963	983			
CLARION COAL					
BROOKVILLE COAL					
1st Salt Sand	1016	1045			
Horsecreek SAND	1084	1119	1 BRKS		1100
1ST SALT SAND	1143	1233	1185-1205		
2ND " "	1305	1442	1403-1405		
3RD " " 5 Rose Salt	1547	1640			
MAXTON "	1781	1806			
LITTLE LIME	1892	1909			
PENCIL CAVE			SHOW		
BIG LIME (KEENER)	1934	2021	2015		
BIG INJUN SAND	2021	2145			
SQUAW "	2145	2229			
2ND GAS "					
[redacted] SAND (BEREA)	2234	2323			
TOTAL DEPTH					
TOTAL DEPTH					

FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT
GANTZ 100' SAND	2342				
50' "	2430				
30' SAND (NINEVAH)	2487	2499			
SHEE SAND (BLUE MONT.)					
Gritty Lime	2507	2532			
GORDON SAND (THIRD)	2583	2629			
4TH "	2637	2665			
4TH A "					
5TH " [redacted]	2720	2781	Brk 2731-41		
5TH A "					
BAYARD " (SIXTH)					
BAYARD STRAY SAND					
Gritty Lime	2816	2838			
ELIZABETH SAND					
1st Gritty Lime	3173	3505			
2nd " SAND	3548	3593			
SPEECH, STRAY SAND					
SPEECHLEY SAND					
TIC Gritty Lime	3593	4013			
1ST BALLTOWN SAND					
2ND " "					
SHEFFIELD "					
[redacted] " (BENSON)	4643	4656	4646-50 (2.8 W-1½")		
2ND " "					
3RD " "					
KANE SAND					
ELK SAND					
DIMSKANT SAND					
TOTAL DEPTH C/O to	4682				Log OK 12-5-46 cde
TOTAL DEPTH	4811				

CLASSIFICATION

CASING AND TUBING DATA

SIZE	PUT IN	DATE	PULLED	DATE
CDN	16	4-44		
10"	306	4-44		
8¼"	999	4-44		
6⅝"	2591	4-44		
6⅛"				
5⅛"				
4"				
3"				
2"				

PACKER DATA

DATE SET	KIND	SIZE	SET AT	DATE PULLED
4-44	A	6⅝ x 8¼	2587	

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. R. P.	30 DAY R. P.	VOLUME	PRODUCING SAND
4-19-44	6	M(F)	1½	6⅝	2	3½	5	6½	8		44	(1½)	1100	24	187	Benson

PIPE LINE DATA

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

DATE TURNED IN LINE 5-2-44 DATE DISCONNECTED

VOLUME FACTOR DATA

PREVIOUS

PRESENT

6⅝ — 4682' x 21.37 = 100.05M

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

SHOOTING RECORD

DATE	AMT.	DEPTH	VOLUME BEFORE	VOLUME AFTER
4-15-44	115	4657		

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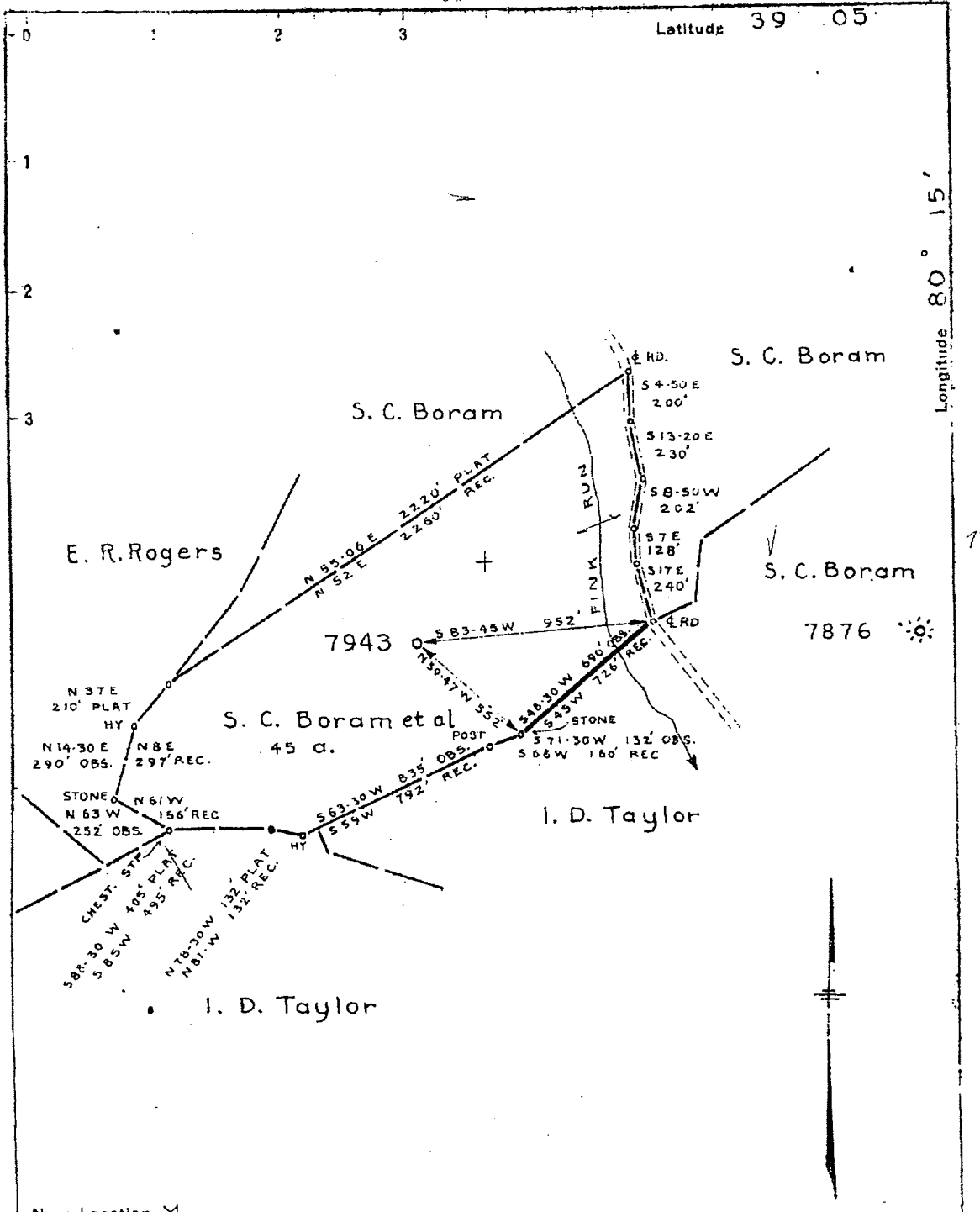
4100084/P



New Location X
Drill Deeper
Abandonment

Company PITTSBURGH & W. VA. GAS
Address CLARKSBURG, W. VA.
Farm S. C. BORAM ET AL
Tract _____ Acres 45 Lease No. 22770
Well (Farm) No. ONE Serial No. 7943
Elevation (Spirit Level) 1519 VA.
Quadrangle WESTON S.E. 3 ¼
County LEWIS District SKIN CREEK
Engineer James P. Jeffries
Engineer's Registration No. 1084
File No. V.124-P.108 Drawing No. _____
Date NOV 26, 1943 Scale 1" = 500'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. LEW 1-10

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

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WV Department of Environmental Protection

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WW-4-A
Revised 6/07

1) Date: May 10, 2016
2) Operator's Well Number
607943 (S. C. Boram #1 7943)
3) API Well No.: 47 041 - 00084
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 Randall and Brenda Burke
Address 3292 Buckhannon Run Road
Buckhannon, WV 26201

(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 None
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 12th day of May, 2016
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

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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
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

4100084P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
607943 (S. C. Boram #1 7943)
3) API Well No.: 47 041 - 00084

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: Finks Run Quadrangle: Berlin 7.5'
Elevation: 1514 ft. County: Lewis District: Skin 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 minimum TPW

Proposed Disposal Method for Treated Pit Wastes:
___ Land Application
___ Underground Injection - UIC Permit Number ____
X Reuse (at API Number) - Various ____
X Offsite Disposal Permit #. See attached
___ 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 12th day of May 2016
Misty S. Christie Notary Public
My Commission Expires 2/20/18

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

4/100084P

EQT Production Water plan
Offsite disposals

Waste Management - Meadowfill Landfill
Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill
512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

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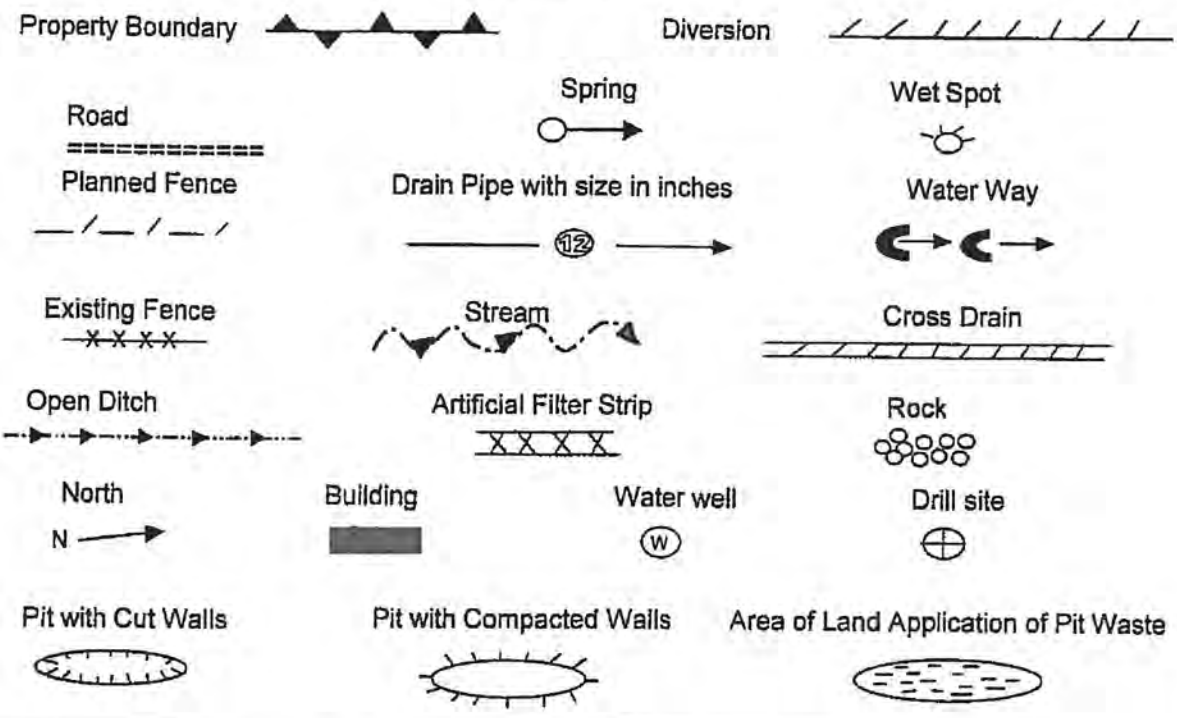
MAY 17 2016

WV Department of
Environmental Protection

4/1000BHP

OPERATOR'S WELL NO.:
607943 (S. C. Boram #1 7943)

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		

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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 Harris

Comments: _____

Title: Inspector Date: 6-1-16

Field Reviewed? X Yes ____ No

4100084 P

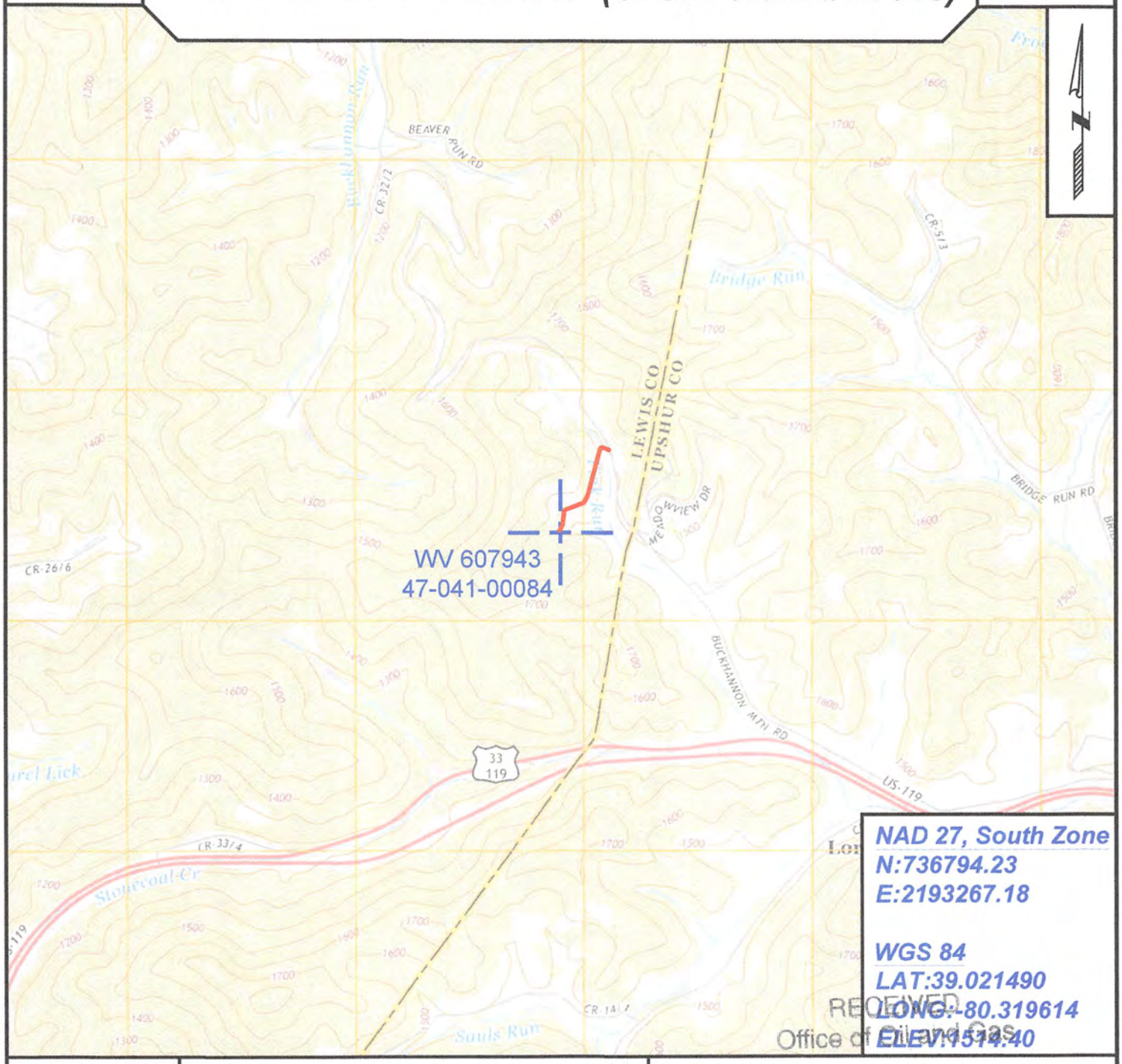
Topo Quad: Berlin 7.5' **Scale:** 1" = 2000'

County: Lewis **Date:** April 25, 2016

District: Skin Creek **Project No:** 73-12-00-08

47-041-00084 WV 607943 (S. C. Boram #1 7943)

Topo



NAD 27, South Zone
N:736794.23
E:2193267.18

WGS 84
LAT:39.021490
LONG:-80.319614
ELEV:1514.40

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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

4100084P

WW-7
8-30-06

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

API: 47-041-00084 **WELL NO.:** WV 607943 (S. C. Boram #1 7943)

FARM NAME: S. C. Boram, et al.

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Lewis **DISTRICT:** Skin Creek - 05

QUADRANGLE: Berlin 7.5' - 245

SURFACE OWNER: Randall and Brenda Burke

ROYALTY OWNER: Edwin Dare Jordan, et al.

UTM GPS NORTHING: 4319382

UTM GPS EASTING: 558898 **GPS ELEVATION:** 461m (1514 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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Signature

PS # 2180
Title

4/20/16
Date

41000847

POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY.
LEASE NAME AND WELL No. S. C. Boram #1 7943 - WV 607943 - API No. 47-041-00084.

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607943.

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BIRCH RIVER OFFICE
237 Birch River Road
Birch River, WV 26610
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ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Rd
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

MARTINSBURG OFFICE
25 Lights Addition Drive
Martinsburg, WV 25404
[illegible]
fax: 304-901-2182

ALLEGHENYSURVEYS.COM

4100084P

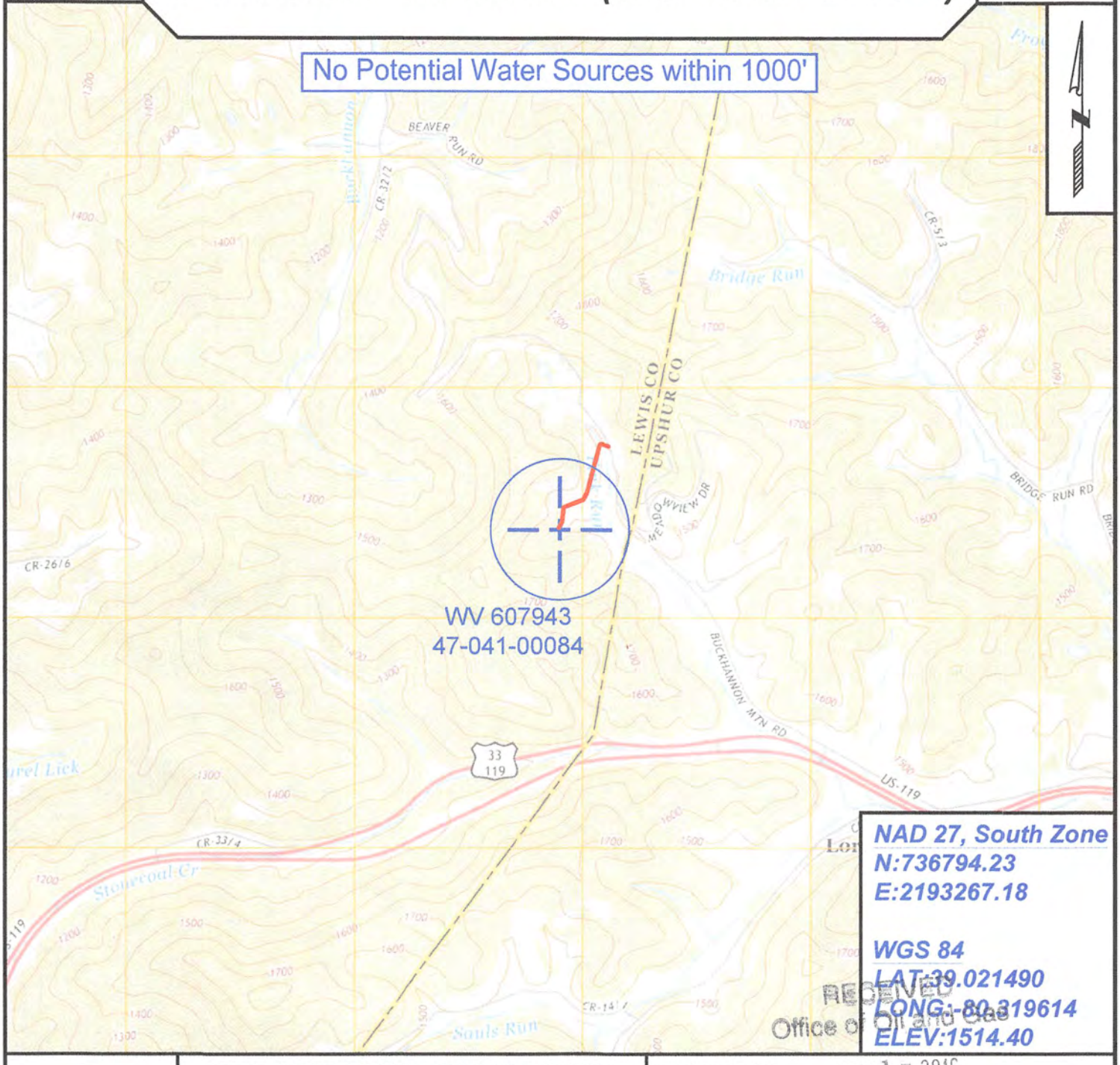
Topo Quad: Berlin 7.5' **Scale:** 1" = 2000'

County: Lewis **Date:** April 25, 2016

District: Skin Creek **Project No:** 73-12-00-08

Water

47-041-00084 WV 607943 (S. C. Boram #1 7943)



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