



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

May 30, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4101341, issued to DOMINION TRANSMISSION INC, 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: 13062 (1)
Farm Name: MILLER, HAROLD R. & SANDRA
API Well Number: 47-4101341
Permit Type: Plugging
Date Issued: 05/30/2014

Promoting a healthy environment.

05/30/2014

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 within two years of the date of issuance of this permit.

1) Date February 24, 2014
2) Operator's
Well No. 13062
3) API Well No. 47-041-01341

STATE OF WEST VIRGINIA
DEPARTMENT 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) Location: Elevation 840.32' Watershed Buck Run of Fink Creek
District Freemans Creek County Lewis Quadrangle New Milton, WV 7.5'

6) Well Operator Dominion Transmision, Inc. 7) Designated Agent James D. Blasingame
Address 445 West Main Street Address 445 West Main Street
Clarksburg, WV 26301 Clarksburg, WV 26301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Barry Stollings Name UNKNOWN
Address 28 Conifer Drive Address _____
Bridgeport, WV 26330

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

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 4-28-14

DTI Well 13062 (47-041-01341) Plug and Abandon Procedure**Wellbore Configuration:**

GL Elevation: 1047'

4-1/2" 9.5# Casing set at 2390' (cemented w/ 60sx per well record)

TOC is 1840' with some cement showing on bond log from 0' to 160'

Little Lime: 1922'- 1938'

Big Lime: 1962'- 2017'

Big Injun: 2020'- 2115'

Gantz Perforations: 2353'-2365'

Current Well TD: 2358'

Procedure:

1. Complete One Call prior to well site construction.
2. Install E&S controls per plan.
3. MIRU service rig and equipment.
4. Nipple up and pressure test BOP.
5. Blow well down to tank/Kill well with fluid if required.
6. TIH with tubing to CIBP and circulate hole until gas cut fluid is removed.
7. MIRU cementers and spot 500' cement plug from ~2300' to 1850', TOOH and WOC 8 hrs.
8. RIH with sand line to tag and confirm cement plug depth.
9. Determine free point and cut and pull 4-1/2" casing. (if successful move to step 11)
10. Perforate 4-1/2" casing across gas zones per guidance of state inspector.
11. Plug well from 1850' to surface with class A cement.
12. RDMO service rig, reclaim location and install surface monument.

RECEIVED
GAS
GR
FR

4101341P

13062 (KG-1 DTI 41-1341)
 Permit # 47-41-01341
 GL: 1047'
 2008 Log Measuring Point - 1050'

Drilling Commenced - 7/7/64
 Drilling Completed - 9/4/64
 Well was frac'ed - 500 bbls water
 Both Gas & Oil Production
 Oil = 30BBL/day
 24 Hr. Rock Pressure = 530 Psig
 Yellow Line is free gas to house
 down the road
 Orange line is abandoned
 Logged on 6/4/08 w/ JCGR, GRNT,
 MVRT, SBT, Photon

2008 Pulled Tbg and Rods
 Pulled 2360' of 1-1/2" 2.75# tbg
 Pulled 2373' of 5/8" rods
 Pulled 2373' of 2-7/8" 6.5# 8RD Tbg

Some cem. Bond from 160' - 60'

No outer casing strings were picked up on MVRT log.

The 4-1/2" casing is in very poor condition.
 100% metal loss in 21 jts [2008 MVRT]

Some cement from 1770'-1000'

Little Lime
 1922'-1938' [2008 Log Analysis]
 Big Lime
 1962'-2017' [2008 Log Analysis]
 Big Injun
 2020'-2115' [2008 Log analysis]

N1 bridge plug @ 2300' [2008]

Gantz
 2352-2380' - Log TD

Perfs: 2353-2359' - 18 holes [Old records]
 2363'-2365' - 3 holes [Old records]

VED
 and Gas

2008 Log TD = 2358'

4 1/2" 9.5# csg at 2390' Cemented w/ 60 sks

Well Name & Number:		KG-1 [DTI 41-1341]		Lease	Keeley Heirs Farm		
County or Parish:		Lewis	State/Prov.	Country:	USA		
Perforations: (MD)			(TD)	2392'			
Angle/Perfs	Angle @KOP and Depth			KOP TVD			
BHP:	BHT:	Completion Fluid:					
FWHP:	FBHP:	FWHT:	FBHT:	Other:			
Date Completed:						RKB:	
Prepared By:		Jeff Renner/Dick Cross		Last Revision Date:		4/14/08...6/3/08	

05/30/2014

4101341P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 6

WELL RECORD

Quadrangle _____
Permit No. 1341-Lewis

Oil or Gas Well Oil
(min)

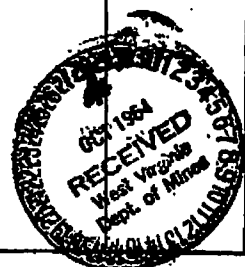
Company H. E. Acker BATAL
Address Weston West Va.
Farm Keely Heirs Acres 49 N. or L.
Location (waters) HUCK RUN
Well No. One Elev. 1047
District Freeman Creek County Lewis
The surface of tract is owned in fee by Harry Gardner
Guyhoga Falls Address _____
Mineral rights are owned by Keely Heirs And Gardner
Weston West Va. Address _____
Drilling commenced July 7, 1964
Drilling completed Sept. 4, 1964
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Co. Ft.
Rock Pressure 530 lbs 24 hrs.
Oil Admix. 30 bbbls. 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED 500 bbls water no increase

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
1 1/2		Left 1 1/2	Kind of Packe H.
10			Size of
8 1/4			
6 1/2			Depth set
5 1/2			Perf. top <u>2355</u>
2			Perf. bottom <u>2363</u>
Linears Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE A No. Ft. 9.5 Date 2390
60 sacks cement
COAL WAS ENCOUNTERED AT Nile FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT Same
Fresh Water _____ Feet 5 feet S.N. Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
T, Soil			0	12			
Sand			12	50			
W' sand			50	60			
Red rock			60	120			
Sand		Hard	120	170			
Slate	Gray		170	180			
Sand	Light	hard	180	219			
Slate			219	229			
Lime	Gray	Hard	229	245			
R. Rock			245	260			
Slate			260	270			
Lime			270	285			
R. rock			285	335			
Slate	Gray		335	355			
sand	brown		355	375			
Slate			375	400			
Sandy Lime			400	430			
Slate, Shells			430	550			
Sand			550	570			
Slate			570	590			
Sand	Brown		590	640			
Slate			640	650			
R. Rock			650	704			
Lime	Gray	Hard	704	724			
R. Rock			724	794			
Slate			794	820			
R. Rock			820	850			
Lime			850	879			
Slate			879	905			



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MAY 23 2014
Dept. of
Intelligence

(over)

4101341P

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Faced	Remarks
H. Rock			905	940			
Sand	Gray	Hard	940	965			
B. Slate			965	990			
Slate Shells			990	1062			
Lime		Gritty	1062	1092			
Sand			1092	1104			
Slate			1104	1108			
Lime		Gritty	1108	1175			
Lime			1175	1185			
Slate Shells			1185	1223			
Lime	Gray		1223	1245			
Slate & S			1245	1323			
Lime	Gray		1323	1343			
Slate & S			1343	1382			
Sand			1382	1370			
Sandy Slate			1470	1480			
Slate			1480	1520			
Slate Shells			1520	1630			
Lime	Gray		1630	1690			
Shells			1690	1715			
Sand	Gray		1715	1738			
Lime			1738	1755			
R. Rock			1755	1790			
Lime	Gray		1790	1847			
Sand	Dark		1847	1869			
R. Rock			1869	1876			
Shells			1876	1890			
R. Rock			1890	1912			
Little Lime			1912	1920			
Slate			1920	1974			
B. Lime			1974	2095			
B. Ingane			2095	2123			
Slate			2123	2124			
Squaw			2124	2292			
Slate			2292	2354			
Gantz			2354	2380			
B. Shale			2380	2384			
Water Sand			2384	2390			

RECEIVED
 Oil and Gas
 DIVISION
 U.S. DEPARTMENT OF
 THE INTERIOR

Date 10/26 1964
 APPROVED J. H. Acker Owner
 By _____ (Title)

05/30/2014



Segmented Bond Log Gamma Ray

Baker Atlas

File No: 538142	Company Well	Dominion Transmission 41-1341 / KG-1 / F-41369		
API No: 47-041-01341	Field County	Buck Run - Active Fink Storage Lewis State West Virginia		
Location		Other Services		
SEC	TWP	RGE	Junk Catcher Guage Ring(3.81"od) MicroVertiLog GHT	
Permanent Datum	G.L.	Elevation	1047 ft	Elevations
Log Measured From	M.G.	Top Of Tubing	Above P. D.	KB N/A
Drill Measured From	N/A			DF N/A GL 1047 ft

Date	04/JUN/08
Run	One
Service Order	538142
Depth Driller	2392 ft
Depth Logger	2358 ft
Bottom Logged Interval	2345 ft
Top Logged Interval	0 ft
Time Started	13:30
Time Finished	16:00
Operator Rig Time	2.5 Hours
Type of Fluid in Hole	Water
Fluid Density	N/A
Salinity	Brine
Fluid Level	Pull
Logged Cement Top	1837 ft
Wellhead Pressure	0 psi
Maximum Hole Deviation	N/A
Nominal Logging Speed	45 fpm
Maximum Recorded Temperature	N/A
Reference Log	MicroVertiLog
Reference Log Date	4 JUN 2008
Equipment No.	9717
Location	Buckhannon WV
Recorded By	W.Shreve
Witnessed By	K Parsons

- FOLD HERE

In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Borehole Record	
Bit Size	From To
4.5 in	0 ft 2390. ft

Casing Record	
Size	Weight From To
4.5 in	9.5 lbm/ft 0 ft 2390. ft

Remarks

The weather was overcast, raining, 50 deg. and windy.
 The well head connection was 2M 4 1/16" flange.
 A junk catcher was ran to remove the rubber from a packer.
 The junk catcher sat down @ 2358' and brought rubber and scale from the well.
 The Gamma Ray response repeated the Gamma Ray/ Neutron/ Temperature Log.

Equipment Data			
Run	Trip	Tool	Position
1	1	Pads	Centralized
1	1	VDL	Centralized

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4101341P

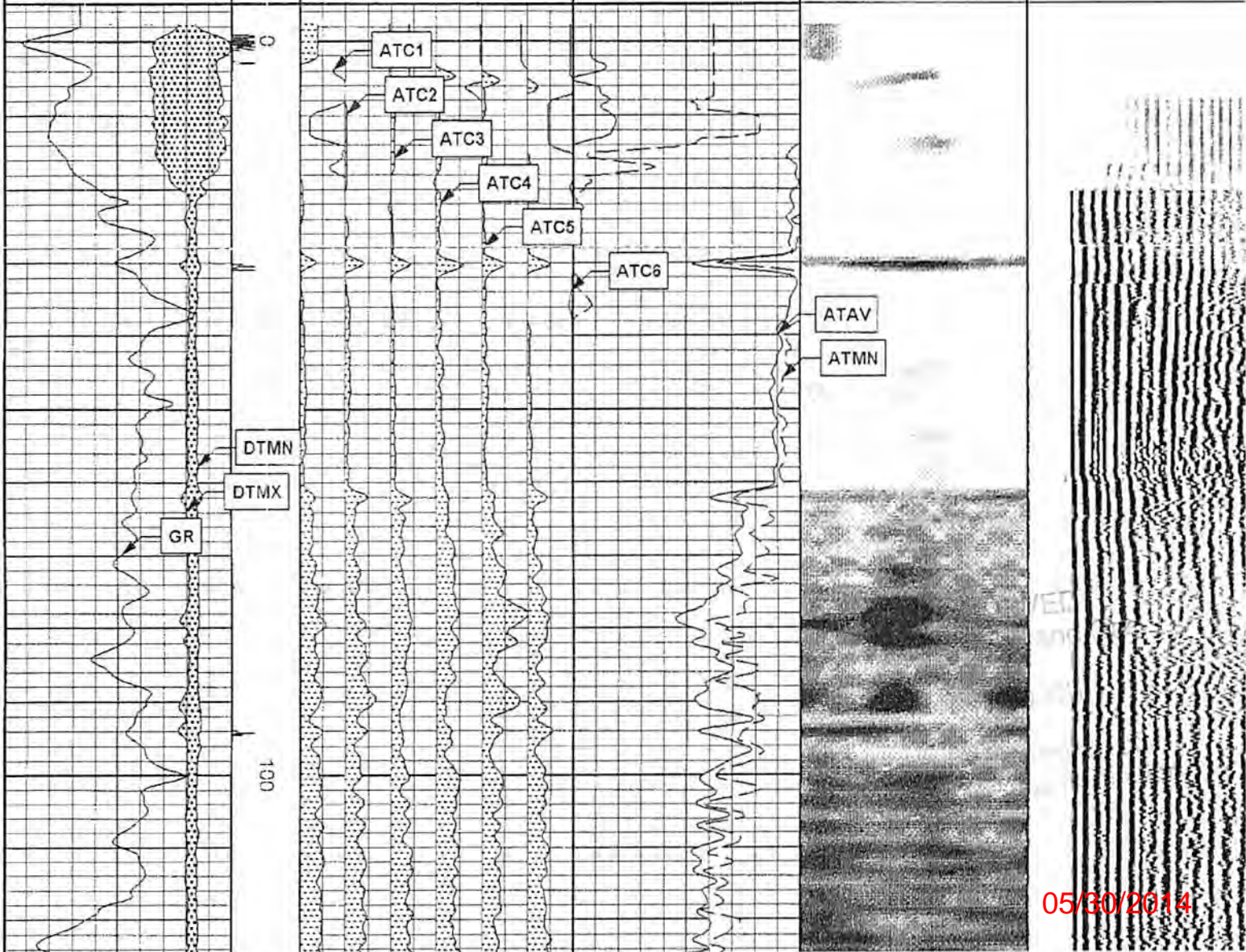
1424PA
2435XA
2435XA

-4.070
0.000
0.000

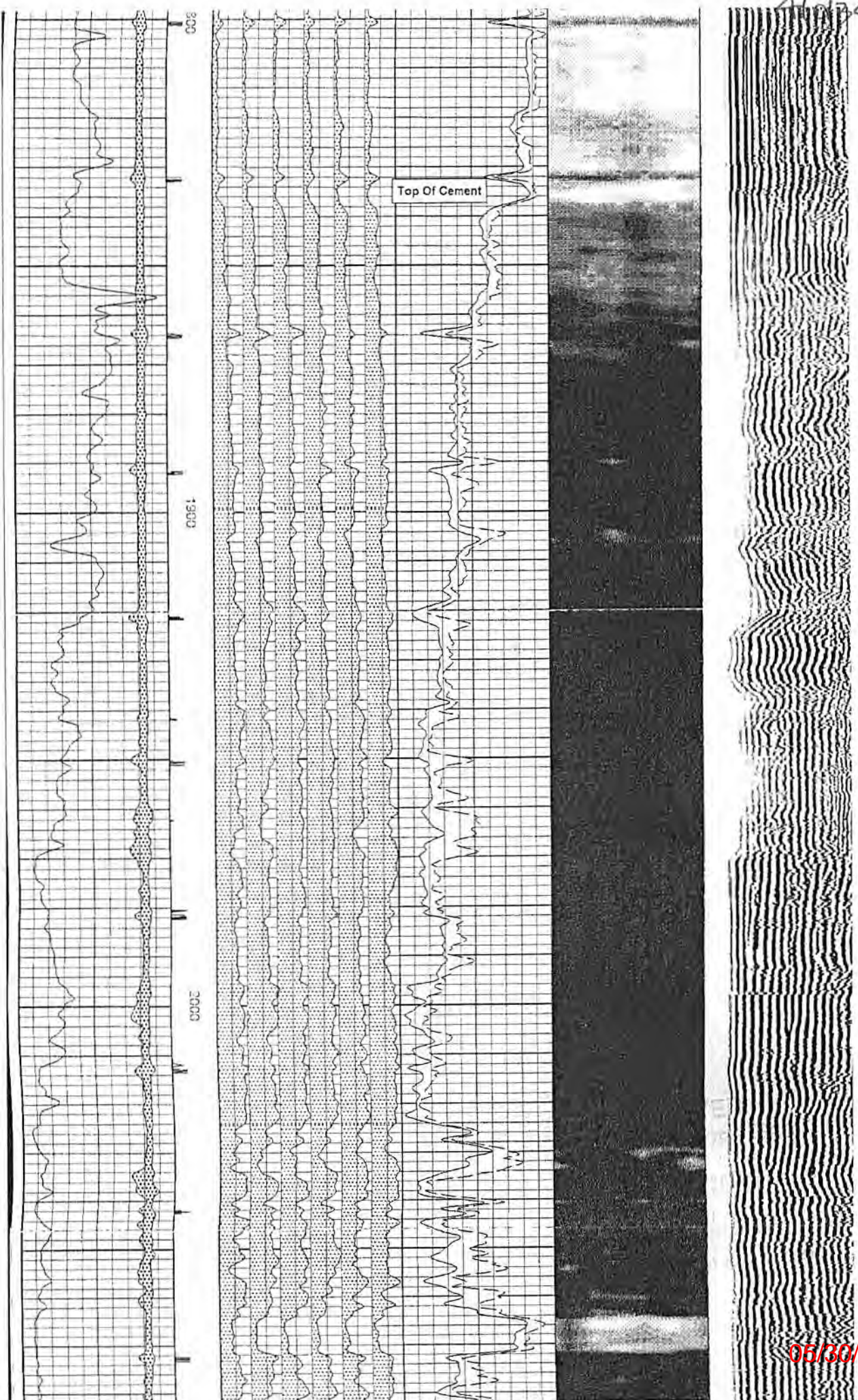
DTMX	RB	XATT	YATT
CHV	CYQ	SIG	
LSN			
NEU	SSN		

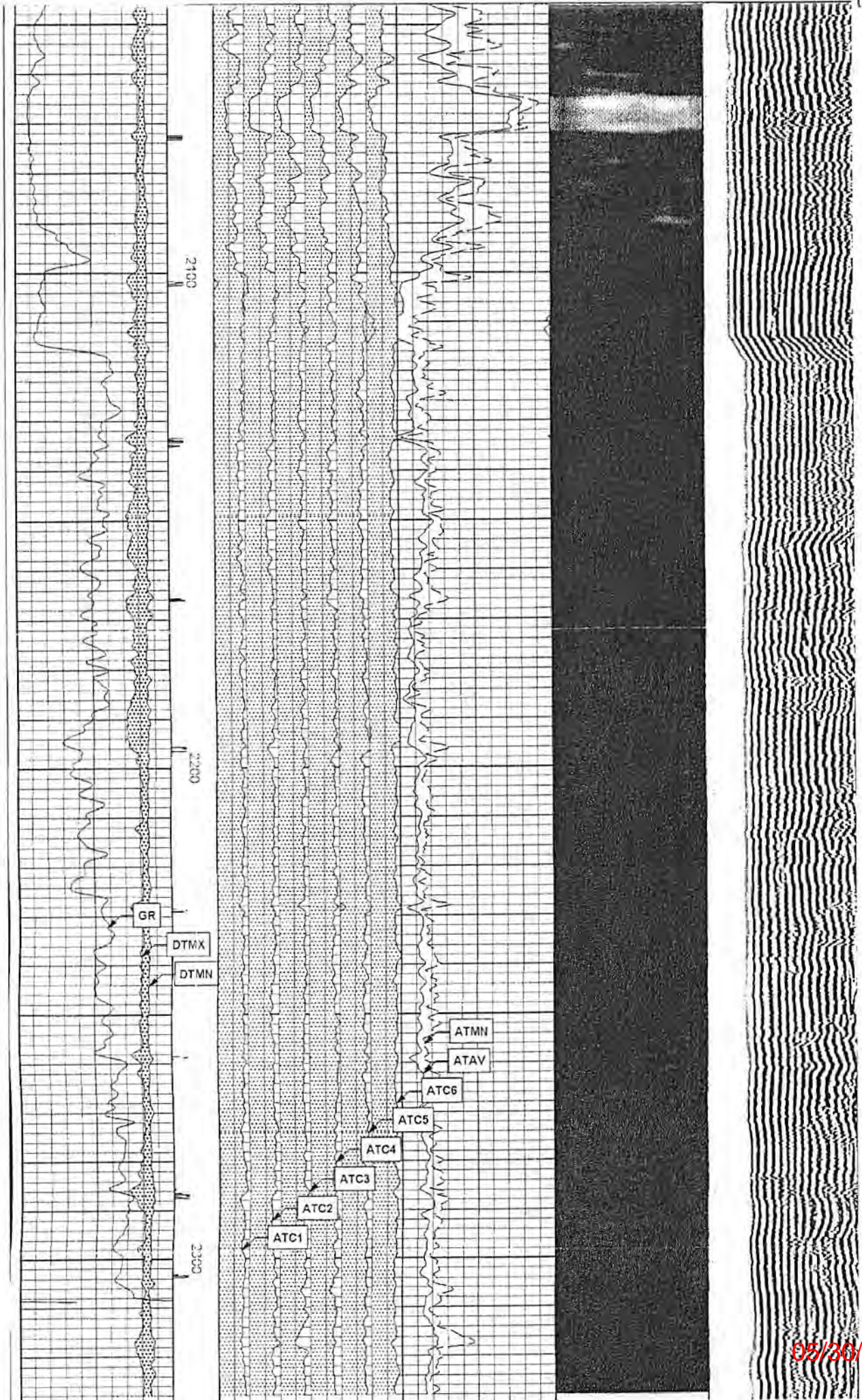
Created by : SBT, v5.0.003
 Plotted by : PlotMgr, v5.4.504
 Company : Dominion Transmission
 Well : 41-1341 / KG-1 / F-41369
 File Name : C:\WELLDATA\1341S\Main.XTF
 Mode : PlotMgr 5.4.504
 Interval : -5.00 - 2360.00 feet UP
 Created : 6/4/2008 2:17:00 PM

140	DTMN	40	CCL	ATC1ATC2ATC3ATC4ATC5ATC6	20	ATAV	0	Cement Map	Variable Density
	usec/ft			021 021 021 021 021 021		dB/ft		200	1200
140	DTMX	40		dB/ft dB/ft dB/ft dB/ft dB/ft dB/ft	20	ATMN	0	2.642	10.63
	usec/ft					deg		Not Oriented	
0	GR	200							
	gAPI								



05/30/2014





4101341A

WW-4A
Revised 6-07

1) Date: February 24, 2014
2) Operator's Well Number
13062
3) API Well No.: 47 - 041 - 01341

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

CK #0030
#0030

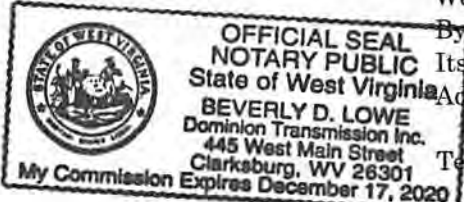
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Harold R. & Sandra L. Miller</u>	Name <u>Eastern Associated Coal Corp.</u>
Address <u>1783 Buck Run Road</u>	Address <u>P.O. Box 1233</u>
<u>Camden, WV 26338-8159</u>	<u>Charleston, WV 25324-1233</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Barry Stollings</u>	(c) Coal Lessee with Declaration
Address <u>28 Conifer Drive</u>	Name _____
<u>Bridgeport, WV 26330</u>	Address _____
Telephone <u>304-552-4194</u>	

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 Department 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	<u>Dominion Transmission, Inc.</u>
	By	<u>James D. Blasingame</u> <i>James D. Blasingame 4/14/14</i>
	Its	<u>Director of Storage</u>
	Address	<u>445 West Main Street</u>
		<u>Clarksburg, WV 26301</u>
Telephone		<u>304-669-5007</u>

Subscribed and sworn before me this 14th day of April 2014
Beverly D. Lowe Notary Public
My Commission Expires December 17, 2020

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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.

05/30/2014

41013414

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Dominion Transmission, Inc. OP Code 307048

Watershed Buck Run of Fink Creek Quadrangle New Milton, WV 7.5'

Elevation 840.32 County Lewis District Freemans Creek

Description of anticipated Pit Waste: Cement Returns

Will a synthetic liner be used in the pit? No - Tanks to be Utilized.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Meadowfill Landfill, Bridgeport, WV)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

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 Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term 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 James D. Blasingame 4/14/14

Company Official (Typed Name) JAMES D. BLASINGAME

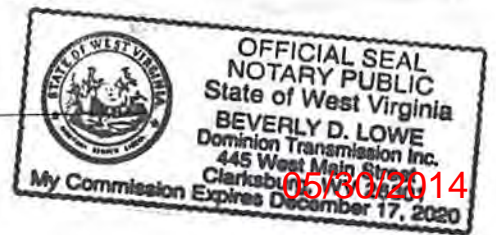
Company Official Title DESIGNATED AGENT DTI, DIRECTOR GAS STORAGE

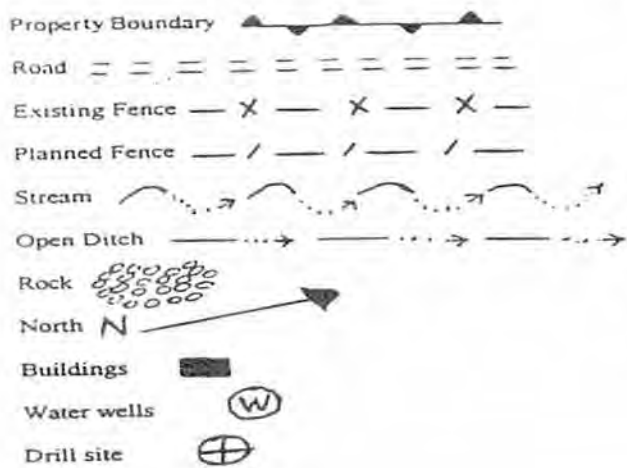
Subscribed and sworn before me this 14th day of April, 2014

Beverly D. Lowe

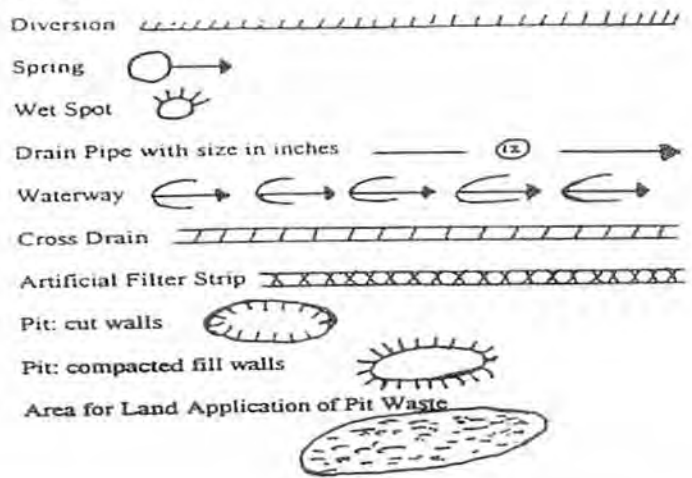
Notary Public

My commission expires December 17, 2020





LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.00+- Prevegetation pH _____
 Lime 3.0 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)
 Mulch Hay/Straw - 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
Timothy		3	Timothy		3
Orchard Grass		12	Orchard Grass		12
White Clover		4	White Clover		4

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Benny Sillip

Comments: _____

Title: Inspector

Date: 4-28-14

Field Reviewed? Yes No

(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

10,100'

LATITUDE 39°10'00"

LONGITUDE 80°37'30"

15,140'

- ① DOMINION TRANSMISSION, INC. TAX MAP 2-B PARCEL 3 6173 ACRES
- ② DOMINION TRANSMISSION, INC. TAX MAP 2-B PARCEL 4 2928 ACRES

HFP, LLC. TAX MAP 2-B PARCEL 6 129.5 ACRES

FRANK A. ALTOMARE, JR., ET AL TAX MAP 2-B PARCEL 5 30.90 ACRES

HAROLD R. & SANDRA L. MILLER
TAX MAP 2-C PARCEL 16
156 ACRES

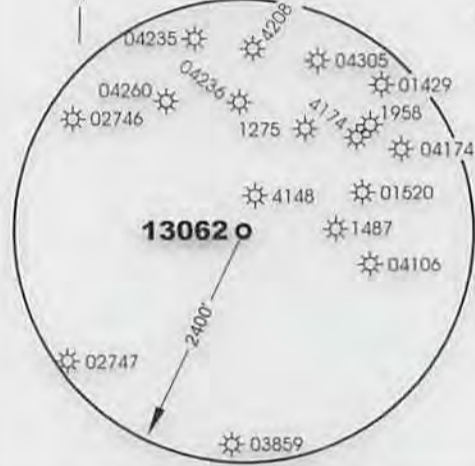
RICHARD A. GALL, ET AL TAX MAP 2-C PARCEL 19 134.1 ACRES

FRANK A. ALTOMARE, JR., ET AL TAX MAP 2-C PARCEL 15 107.25 ACRES

FRANK A. ALTOMARE, JR., ET AL TAX MAP 2-C PARCEL 13 97 ACRES

MANUELLA ET AL TAX MAP 2-C PARCEL 20 108.25 AC

WELL 13062	
NAD 83	LAT. 39°07'30.80" LONG. 80°39'37.60"
UTM NAD 83 (METERS)	N4330727.66 E529350.85



MSES consultants, inc. $\pm 7.5'$
 FILE NO. 12-502-WellPlat-13062
 DRAWN BY RRC / MVS/LFL
 SCALE 1" = 1000'
 MIN. DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION: DGPS (SUBMETER MAPPING GRADE)

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) *Richard R. Castel*
 R.P.E. P.S. 864



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE FEBRUARY 26 20 14
 OPERATOR'S WELL NO. 13062
 API WELL NO.
47 041 01341 P
 STATE COUNTY PERMIT NO.

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

LOCATION: ELEVATION 840.32' WATERSHED BUCK RUN OF FINK CREEK
 DISTRICT FREEMANS CREEK COUNTY LEWIS
 QUADRANGLE NEW MILTON NEAREST TOWN FINK

SURFACE OWNER HAROLD R. & SANDRA L. MILLER ACREAGE 156
 OIL & GAS ROYALTY OWNER HAROLD R. MILLER LEASE ACREAGE 156

LEASE NO. FK097721

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION GANTZ ESTIMATED DEPTH 2390'
 WELL OPERATOR DOMINION TRANSMISSION, INC. DESIGNATED AGENT MR. JAMES D. BLASINGAME
 ADDRESS 445 WEST MAIN STREET ADDRESS 445 WEST MAIN STREET
 CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

05/30/2014

COUNTY 041
 PERMIT NO. 01341



609 West Main Street • P.O. Drawer 190 • Clarksburg, WV 26302-0190
304.624.9700 • 304.622.0981 • 304.842.3325 • <http://www.msesinc.com>
Office Fax 24 Hour World Wide Web

April 29, 2014
Project No. 12-502

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th St SE
Charleston, WV 25304-2345

ck

PERMIT APPLICATION 13062
DOMINION TRANSMISSION, INC.

Dear Sirs,

On behalf of our client, Dominion Transmission, Inc., please find enclosed the permit application for Dominion Well 13062.

Please review the permit applications and upon approval, please return the executed permits to:

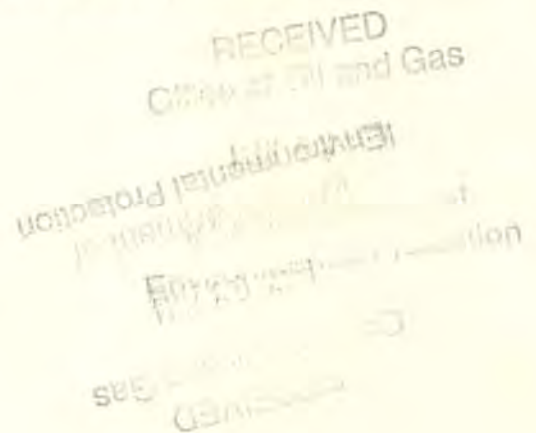
Mr. Matt Goralczyk
Dominion Transmission, Inc.
445 West Main Street
Clarksburg, WV 26301-2843

Should you have any questions or if I may be of assistance, please don't hesitate to call.

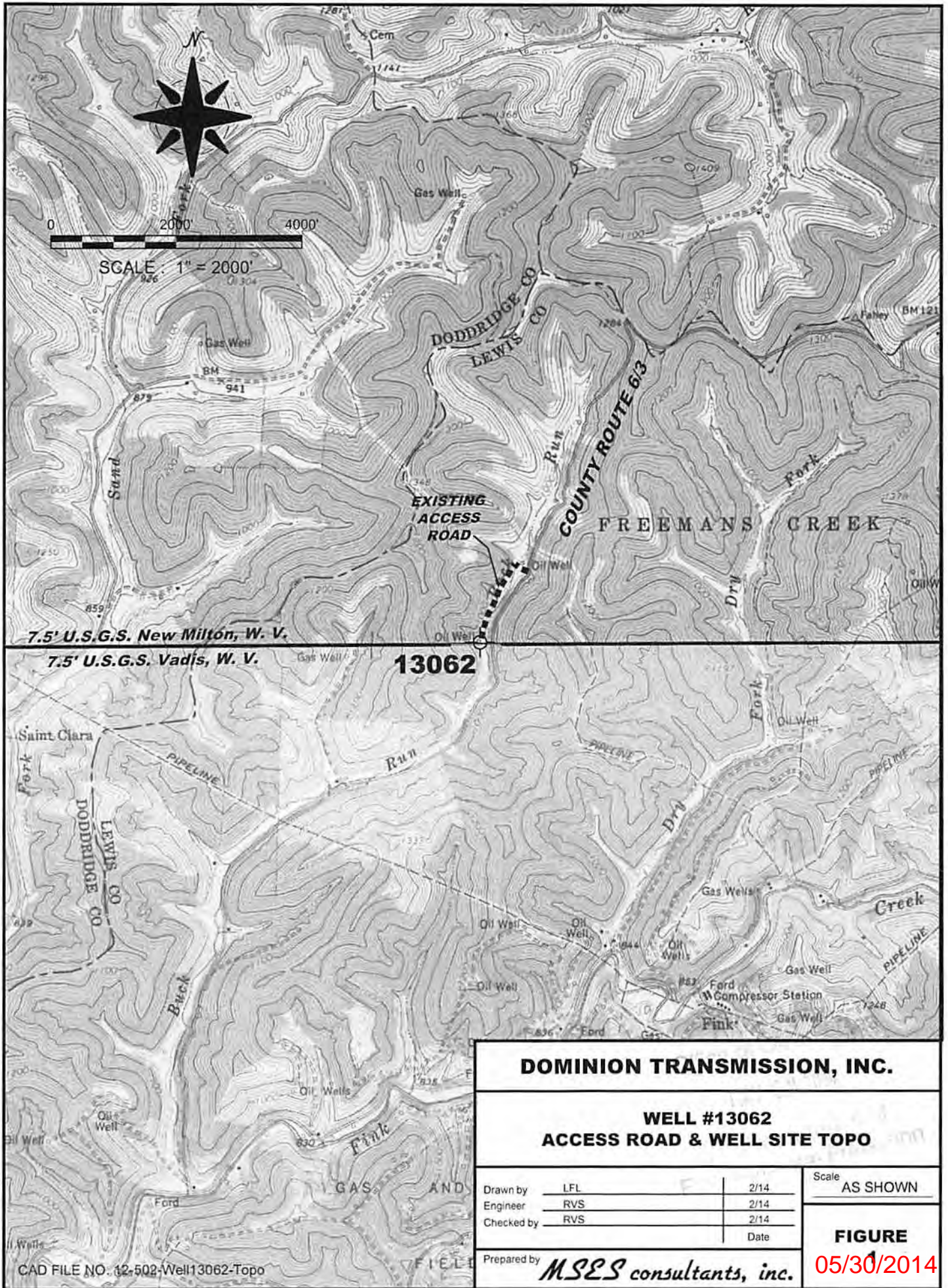
Sincerely,

Vince Straley
Field Coordinator

File: 13062-1



05/30/2014



DOMINION TRANSMISSION, INC.

**WELL #13062
ACCESS ROAD & WELL SITE TOPO**

Drawn by	LFL	2/14
Engineer	RVS	2/14
Checked by	RVS	2/14
		Date

Scale
AS SHOWN

Prepared by **MSES consultants, inc.**

FIGURE
05/30/2014

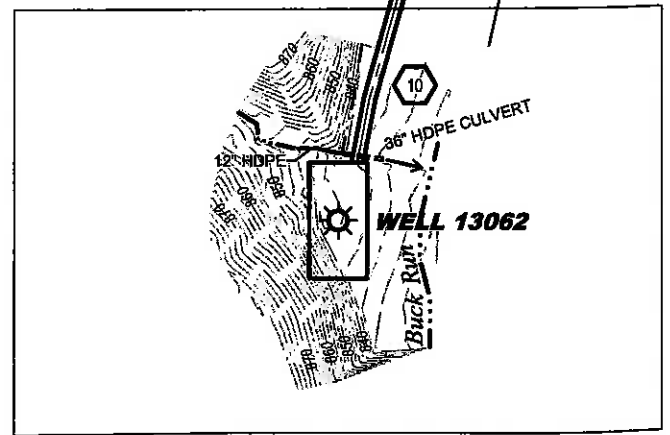
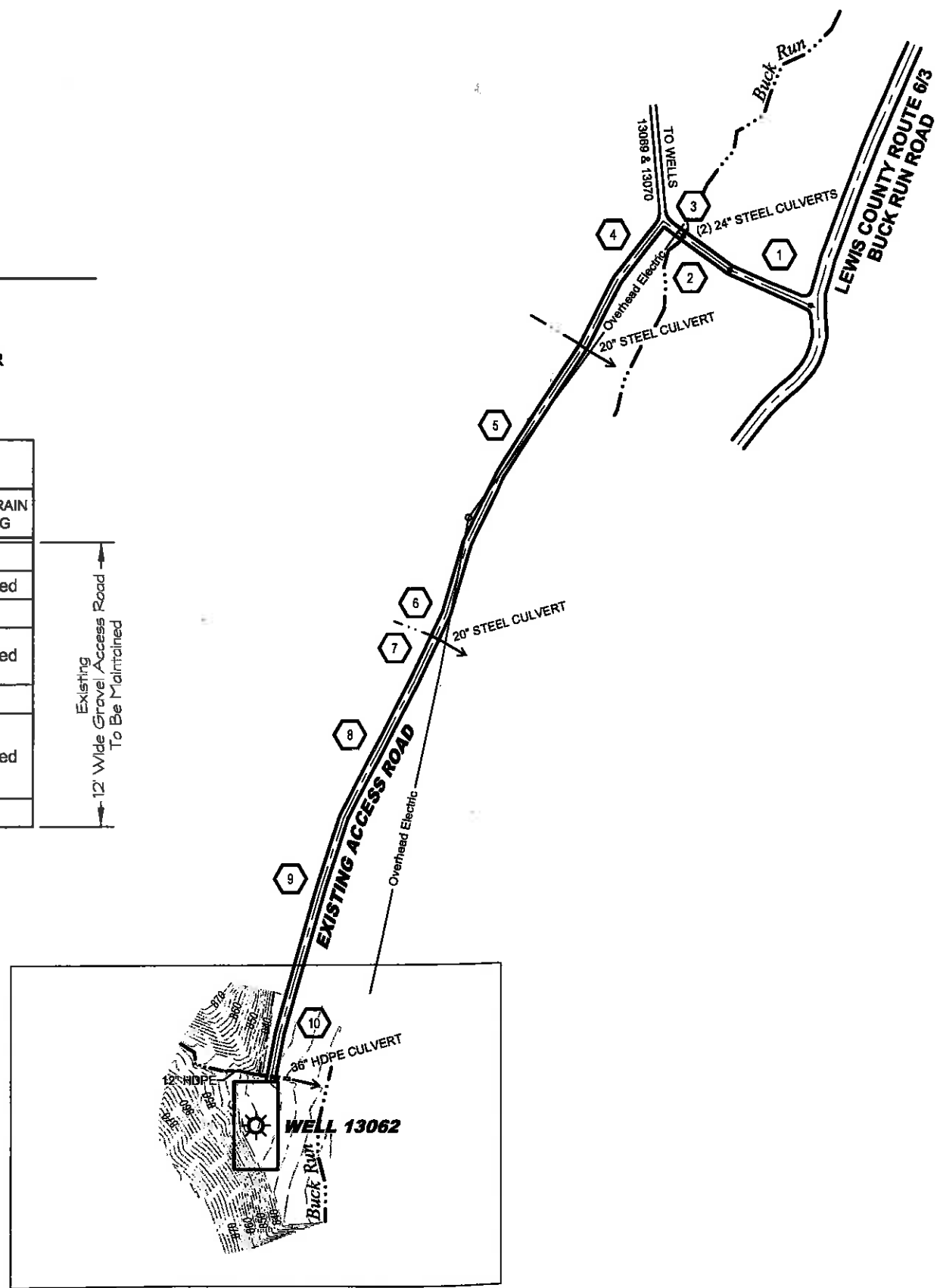
Freemans Creek District
Lewis County
West Virginia

LEGEND

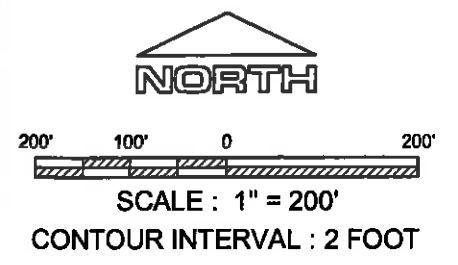
	EXISTING CREEK
	EXISTING DRAIN
	EXISTING CONTOUR

ACCESS ROAD			
STATION	DIST.	SLOPE	CROSS DRAIN SPACING
1	127'	20%	45'
2	80'	6%	as needed
3	34'	31%	N/R
4	204'	1%	as needed
5	412'	1%	
6	36'	27%	N/R
7	67'	10%	as needed
8	207'	3%	
9	206'	2%	80'
10	170'	10%	
TOTAL	1,543'		

Existing Gravel Access Road To Be Maintained



For Well Site - Site Plan, see Drawing 2 of 2



NOTES

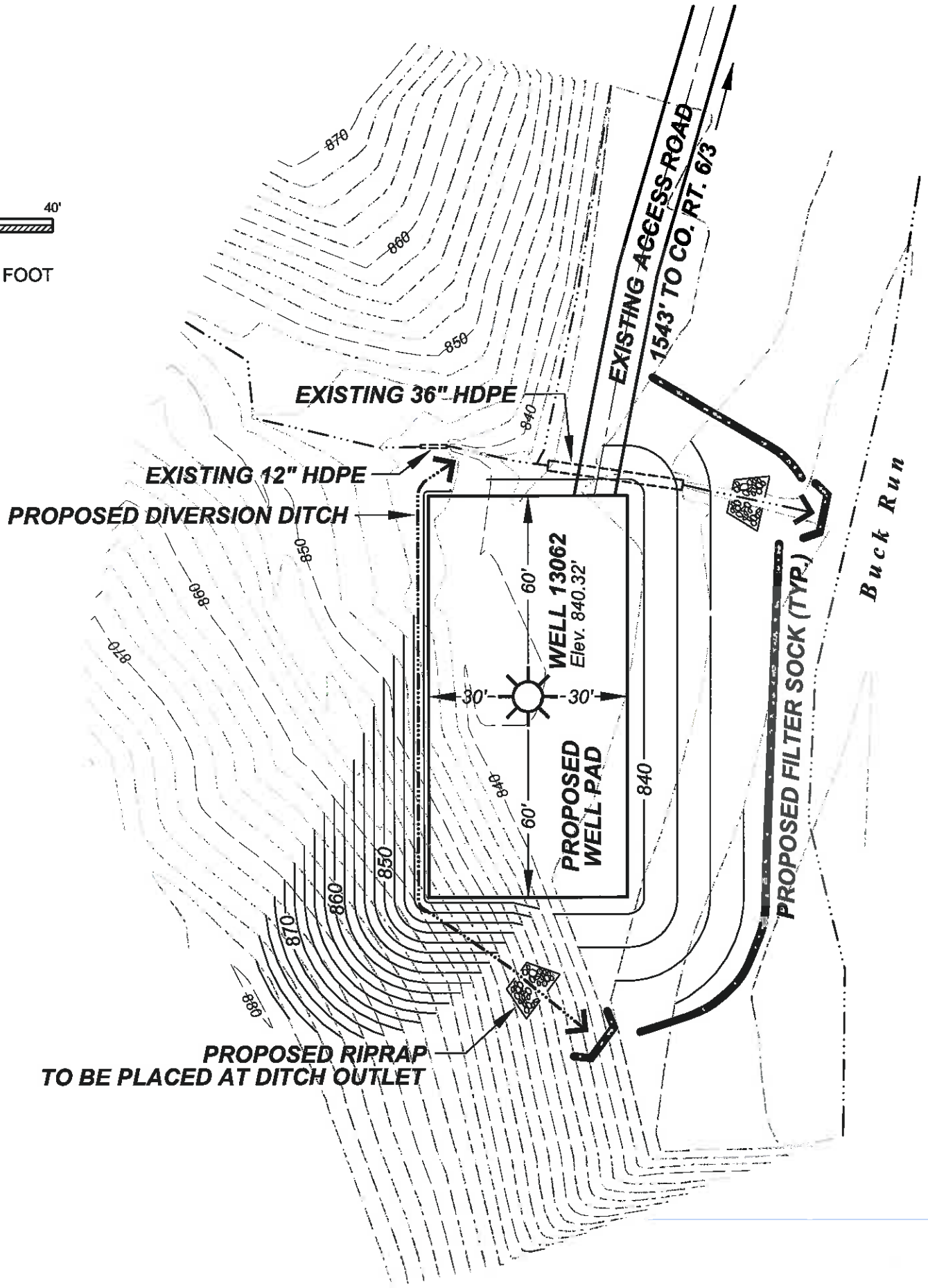
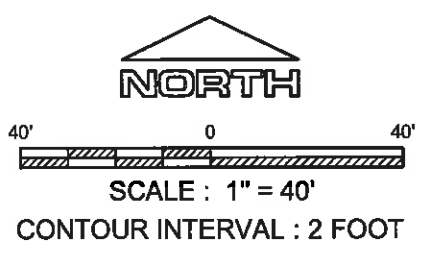
ACCESS TO THE WELL SITE IS TO BE GAINED USING AN EXISTING APPROACH FROM LEWIS COUNTY ROUTE 6/3. FROM THE INTERSECTION OF THE COUNTY ROUTE, APPROXIMATELY 1,543' OF EXISTING WELL ACCESS ROAD IS TO BE UTILIZED.

DRAINAGE IS TO BE MAINTAINED. RIP-RAP APRON ARE TO BE PLACED AT ALL DRAINAGE OUTLETS.

ANY TOPSOIL IS TO BE STOCKPILED DURING CONSTRUCTION. TIMBER IF ANY WILL BE STACKED AS LOCATED ON PLAN. WELL SITE IS TO BE RECLAIMED AFTER WELL WORK.

DOMINION TRANSMISSION, INC.			
WELL #13062 EROSION & SEDIMENTATION CONTROL ACCESS ROAD - SITE PLAN			
Drawn by	MVS	1/13	Scale AS SHOWN
Engineer	DTT	1/13	
Checked by	DTT/RVS	1/13	
Prepared by			1 of 2
<i>MSES consultants, inc.</i>			

05/30/2014



REFERENCE

SURVEY HORIZONTAL DATUM WEST VIRGINIA STATE PLANE
 COORDINATES NAD 83 SOUTH ZONE. ELEVATION SURVEY
 BASED ON AS ASSUMED ELEVATION BASIS.

LAND USE	FIELD	
DISTURBANCE		DISTURBED AREA
WELL SITE	60' x 120' Pad	0.55 Acres
EXISTING ACCESS ROAD	12' Wide x 1,543' Long	0.42 Acres
TOTAL AREA DISTURBANCE		0.97 Acres

LEGEND

- Existing**
- 850 CONTOUR
 - DRAIN / CREEK
- Proposed**
- COMPOST FILTER SOCK
 - DIVERSION DITCH
 - 850 CONTOUR
 - RIPRAP APRON AT DISCHARGE OUTLET

NOTE

CULVERTS TO BE MAINTAINED.

DOMINION TRANSMISSION, INC.		
WELL #13062 EROSION & SEDIMENTATION CONTROL WELL SITE - SITE PLAN		
Drawn by	MVS	1/13
Engineer	DTT	1/13
Checked by	DTT / RVS	1/13
		Date
Prepared by	<i>MSES consultants, inc.</i>	
		Scale AS SHOWN
		2 of 2

05/30/2014