



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 07, 2013

WELL WORK PERMIT

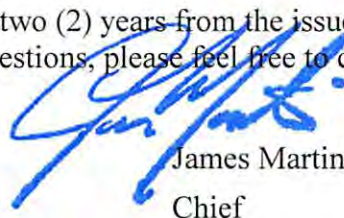
Re-Work

This permit, API Well Number: 47-5100608, issued to COLUMBIA GAS TRANSMISSION, LLC, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 2993
Farm Name: MASON DIXON FARMS , LLC
API Well Number: 47-5100608
Permit Type: Re-Work
Date Issued: 06/07/2013

I

5100608R

WW - 2B
(Rev. 8/10)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Columbia Gas Transmission, LLC
Operator ID: 307032 County: Marshall District: Liberty Quadrangle: Littleton

2) Operator's Well Number: Victory B 2993 (existing well) 3) Elevation: 1089

4) Well Type: (a) Oil _____ or Gas X
(b) If Gas: Production _____ / Underground Storage X
Deep _____ / Shallow X

5) Proposed Target Formation(s): Big Injun Proposed Target Depth: 1879' (actual)

6) Proposed Total Depth: 2181 (actual) Feet Formation at Proposed Total Depth: Big Injun

7) Approximate fresh water strata depths: none rpt'd by driller in 1925

8) Approximate salt water depths: 1710 ft (as rpt'd by driller)

9) Approximate coal seam depths: 358-363 ft, 485-490 ft, Mapletown 690-696 ft, Pittsburgh 790-796 ft

10) Approximate void depths,(coal, Karst, other): none rpt'd by driller

11) Does land contain coal seams tributary to active mine? yes

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Kill well. E-log. Repair/replace existing 7" casing, or install new production casing, if deemed necessary (based on results of pipe inspection e-log). Install new API wellhead. Acid treatment.

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13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	10-3/4	H-40	32.75	432	432	no record
Coal	8-5/8	J-55	24	1327	1327	sqz'd @ 880' with 250 sx
Intermediate						
Production	7	H-40 & J-55	17 & 20	1904	1904	225 sx (to surface)
Tubing						
Liners						

wpt
5-1-13

Packers: Kind: none

Sizes: _____

Depths Set * note that casing/tubing listed above is existing

06/07/2013

The Manufacturers Light & Heat Company **RBO 2993**
 Division Cameron 248 Fourth Ave., Pittsburgh, Pa.
 Record of Well No. 2993 on A. B. Stern Farm 32 Acres
 Cameron, West Va. Field Liberty District Township Wetzel County West Va. State
 Rig Commenced April 15, 1925, Completed April 23, 1925.
 Drilling Commenced May 1, 1925, Completed June 5, 1925.
 Cost per Foot Contractor L. L. Windom Address Cameron, West Va.
 Drillers' Names Josh Woods, R. K. Mohr, Earl Masters, Clyde Tedrow.

BOILER			ENGINE				RIG		
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder
						Yes		82	Richardson & Kuhn

Conductor	12 inch	10 inch	8 1/2 inch	6 5/8 inch	6 1/2 inch	5 5/8 inch	4 5/8 inch	4 inch	3 inch
16		444	1343	1891					

Conductor	12 inch	10 inch	8 1/2 inch	6 5/8 inch	6 1/2 inch	5 5/8 inch	4 5/8 inch	4 inch	3 inch
16			1343	1891					

When Shot	Size of Torpedo	1st Day's Production	Tubing		Thunks	Size of Thunk	Depth Set	Packed with	1st Minute Pressure	Rock Pressure
			Top	Bottom						

FORMATION	Top	Bottom	Thickness	REMARKS
Soil, Slate, Lime	0	358	358	
Coal	358	363	5	dark soft
Coal	485	490	5	dark soft
Mapletown Coal	690	696	6	Show gas
Pittsburgh Coal	790	796	6	
Red Rock	970	985	15	soft
Sand	1342	1368	26	white hard
Coal	1381	1388	5	Show of gas
Salt Sand white hard	1670	1728	58	Gas at 1706, Water 1710
Maxon Sand	1812	1825	13	dark hard
Big Injun Sand light	1877	1965		Gas 1950 to 1953, Gas 1960 to 1965
Total Depth		1965		
Lime white hard	336	390	54	
Slate white soft	390	437	47	2 1/2" Water in 6 7/8"
Lime white hard	437	485	48	
Slate dark soft	490	500	10	
Lime white hard	500	550	50	
Slate dark soft	550	560	10	
Lime white hard	560	605	45	
Slate white soft	605	615	10	
Lime white hard	615	620	5	
Slate dark soft	620	629	9	
Lime white hard	629	290	61	
Slate dark soft	696	703	7	
Lime white hard	703	719	16	
Slate dark soft	719	730	11	
Lime white hard	730	735	5	
Slate dark soft	735	746	11	
Lime light hard	742	755	13	

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 Office of Oil and Gas
 MAY 15 1925
 WV Department of Environmental Protection

Examined above information and measurements and found to be correct by
 L. L. Windom, Contractor
 Examined and approved by
 J. B. ... Superintendent of Co.
 NOTE:—The above blank must be filled out carefully by the Contractor, with a complete and accurate record of the Well, and accompanied when presented for payment the bill for drilling.
 All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.
 Make no memoranda of boiler and engine if owned by contractor.

5100608 R

WELL RECORD

.....CO.

WELL NO. 2993
FARM A. B. STERN
DISTRICT Liberty
COUNTY Wetzel
STATE W Va
OWNED BY
DIVISION Cameron
DATE June 5 1925
ENTERED W. R. BOOK FOLIO 2694
BY R. C. McCoy

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WV Department of
Environmental Protection

2993

Company _____
 Division _____
 Record of well No. 2993 on _____ Farm _____ Acres _____
 Field _____ District _____ County _____ State _____
 Rig Commenced 19 , Completed 19
 Drilling Commenced 19 , Completed 19
 Contractor _____ Address _____
 Driller' Name _____

CASING AND TUBING RECORD

	Conductor	12"	10"	8 1/4"	7"	6 1/2"	5 1/2"	4"	3"		
Used in Dril.											
Left in Well											

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading In Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					2 1/2 Hour R. P.	Max. R. P.	Hours	
						1	5	10	30	60				

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS			
Slate light soft	1001	1012	11	Lime gray hard	1566	1590	24
Rock red soft	1012	1027	15	Slate black soft	1590	1617	27
Lime gray hard	1027	1038	11	Lime gray hard	1617	1650	33
Rock red soft	1038	1044	6	Slate black soft	1650	1670	20
Lime gray hard	1044	1068	24	Sand white hard	1670	1728	58
Rock red soft	1068	1095	27	Slate black soft	1728	1734	6
Lime white hard	1095	1130	35	Lime white hard	1734	1768	34
Slate dark soft	1130	1135	5	Coal 1768	1768	1772	4
Lime gray hard	1135	1147	12	Slate dark soft	1772	1797	25
Slate light soft	1147	1153	6	Lime gray hard	1797	1807	10
Lime gray hard	1153	1166	13	Slate dark soft	1807	1812	5
Slate dark soft	1166	1187	21	Lime gray hard	1825	1843	18
Lime gray hard	1187	1197	10	Slate dark soft	1843	1873	30
Slate dark soft	1197	1200	3	Lime gray hard	1873	1877	4
Lime white hard	1200	1243	43				
Slate dark soft	1243	1265	12				
Lime white hard	1265	1270	5				
Slate dark soft	1270	1342	72				
Slate white soft	1368	1381	13				
Lime gray hard	1386	1400	14				
Slate dark soft	1400	1406	6				
Lime gray hard	1406	1430	24				
Sand white hard	1430	1472	42				
Slate dark soft	1472	1476	4				
Sand white hard	1476	1500	24				
Slate dark soft	1500	1536	36				
Sand light open	1536	1548	12				
Slate dark soft	1548	1566	18				

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 MAY 15 2013
 WV Department of
 Environmental Protection

Examined above information and measurements and found to be correct by _____ Contractor
 Examined and Approved by _____ Field Superintendent

NOTE:-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.

5100608R

WELL RECORD

_____ CO.

Well No. 2993

Farm A.B. Stern

District Liberty

County Wetzell

State West Virginia

Owned by _____

Division _____

Date June 5, 1925 194

Entered W. R. Book Folio

By _____

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WV Department of
Environmental Protection

5100608R

FORM 109 C & D

The Manufacturers Light and Heat Company
Company

2993 *UP*

Division A
 Record of well No. 2993 on A. B. Stern Farm Acres
Cameron Field Liberty ~~District~~ Marshall County W. Va. State
 Rig Commenced 19 Completed 19
 Drilling Commenced April 21 1955 Completed June 7 19 55
 Contractor W. H. Patton Address Millersburg, Ohio
 Driller's Name G. E. Farley and Paul Jamison

CASING AND TUBING RECORD

Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"		
Used in Drig.										
Left in well		436	1338	1920						

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	20	60			
6-7-55	16/10	Water	1"	31358	Rig Injun	0	4	1	2	3		35	1.8

TOTAL INITIAL OPEN FLOW 80/10 Water in 1" CUBIC FEET PER 24 HOURS 7010.4

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
				All pipe measured over threads
Coal	358	363	5	Run 436' of 10 3/4" casing, SM. H10. 32.75# on
Coal	485	490	5	Steel shoe. Not cemented. Run 893' of 8 5/8"
Mapletown Coal	690	696	6	Casing, SM. J 55. 24# and connected it to
Pittsburgh Coal	785	790	5	445' of original casing with an 8 5/8" casing
Maxton Sand	1808	1820	12	die nipple at depth of 880'. Used 250 bags
Rig Injun Sand	1940	1965	25	cement and 3 bags aquagal between the 8" and
Original Depth		1965		10" casing. Good return of cement at surface.
Drilled down				Run 705' of 7" casing, SM. GR H. 17# and
Rig Injun Sand	1965	2181	216	1215' of 7" casing, SM. J55. 20# on a steel SH
Total Depth		2181		shoe set at 1904'. Used 225 bags cement and 3
				bags aquagal between the 7" and 8" casing.
				Good return of cement at surface.

Examined above information and measurements and found to be correct by

Examined and Approved by

W. H. Patton Contractor

[Signature] Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

06/07/2013

5100608R

WELL RECORD

Mfrs. Light & Heat CO.

Well No. 2993

Farm A. B. Stern

District Liberty

County Marshall

State W. Va.

Owned by

Division

Date 19

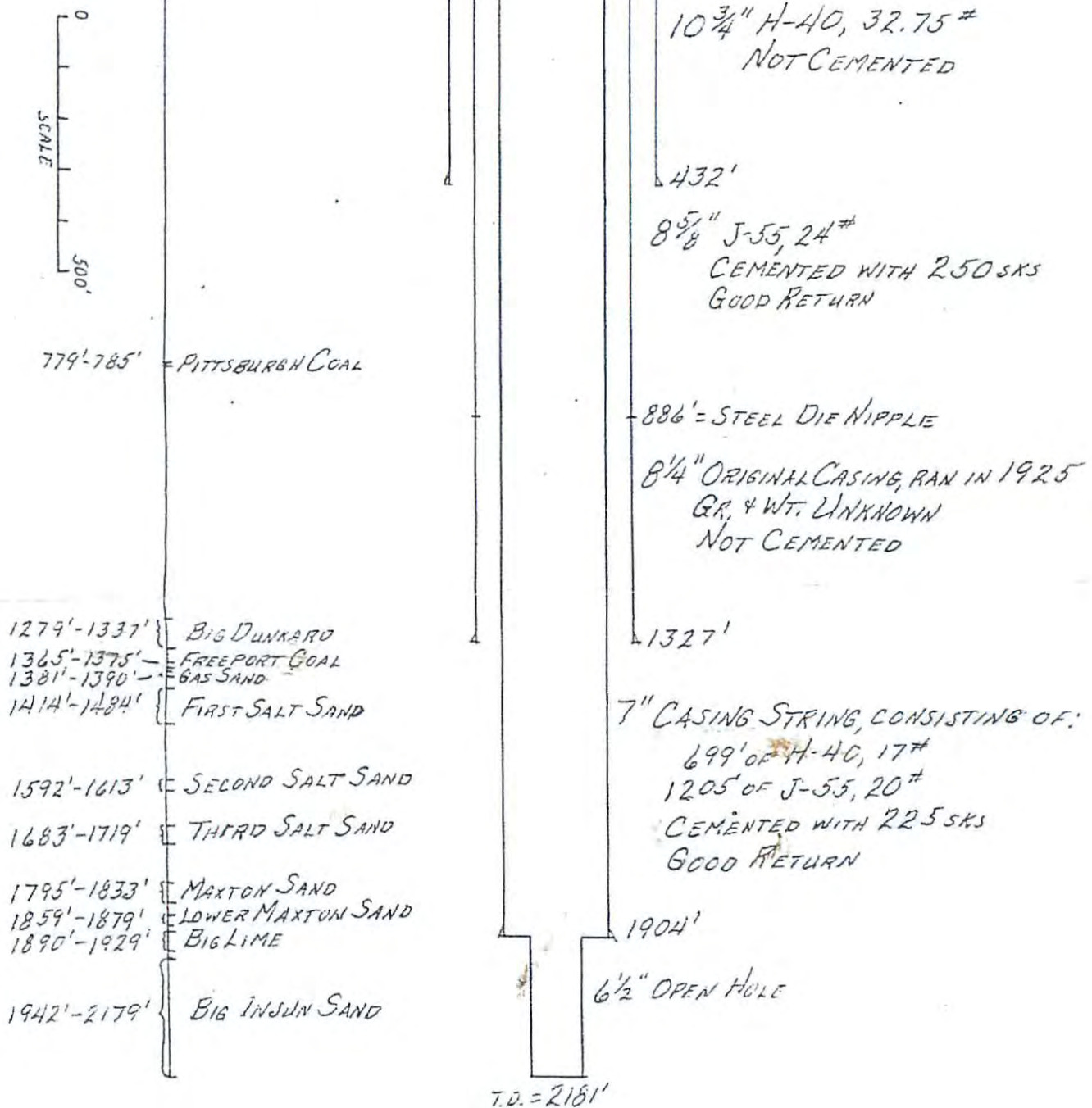
Entered W. R. Book Folio

By

VICTORY B STORAGE FIELD WELL 2993 MARS-N/2

WELL STATUS: ACTIVE

GRND. ELEV. = 1086'



RECONDITIONED FOR STORAGE IN 1955

STORAGE FORMATIONS: BIG LIME AND BIG INJUN SAND

SEE OTHER SIDE FOR LOGGING HISTORY

DRAWN BY: DR DATE: 1985

OPEN FLOW: 10,640 MCFD DATE: 2-18-64

LOGGING HISTORY

ORIGINAL LOGS

DATE TYPE LOG

1955 GAMMA RAY - SECTION GAUGE AND TEMPERATURE
1955 TEMPERATURE

SURVEILLANCE LOGS

DATE TYPE LOG

1981 GAMMA RAY - DIFFERENTIAL TEMPERATURE

5100608 R

WW-2A
(Rev. 6-07)

1.) Date: 3/1/13
2.) Operator's Well Number Victory B 2993 (existing well)
State County Permit
3.) API Well No.: 47-051-00608

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

check #
5112914
\$ 650.00

4) Surface Owner(s) to be served:
(a) Name Maxon Dixon Farms
Address PO Box 360911
Melbourne, FL 32936
(b) Name
Address
(c) Name
Address

5) (a) Coal Operator
Name McElroy Mining Co (subsidiary of Consolidation Coal Company)
Address
(b) Coal Owner(s) with Declaration
Name Consolidation Coal Company
Address CNX River Operations
RD #4 Box 425 Moundsville, WV 26041
Name
Address

6) Inspector Bill Hendershot
Address 403 James St
Parkersburg, WV 26101
Telephone 304-206-7750

(c) Coal Lessee with Declaration
Name
Address

RECEIVED
Office of Oil and Gas

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

MAY 15 2013

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas
x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties by:

- Personal Service (Affidavit attached)
- x Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator Columbia Gas Transmission, LLC
By: James E. Amos
Its: Senior Engineer
Address 48 Columbia Gas Rd
Sandyville, WV 25275
Telephone 304-373-2412

James E. Amos
4/23/13

Subscribed and sworn before me this 23rd day of April, 2013

Mary Marie Clendenen
My Commission Expires 3/22/2015

Notary Public



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 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

06/07/2013

5100608 Riz Wom

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Marshall
Operator Columbia Gas Transmission, LLC Operator's Well Number Victory B 2993 (existing well)

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator X / owner X / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has 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.

FOR EXECUTION BY A NATURAL PERSON

Signature Date _____

FOR EXECUTION BY A CORPORATION, ETC.

Company Name Consol Energy/McElroy Coal Co
Columbia Gas Transmission, LLC
By Paul Amick - Designated Agent Eric Shereda
Its Manager of Engineering Date _____
[Signature] 5-13-2013
Signature Date

Received

MAY 20 2013

Office of Oil and Gas
WV Dept. of Environmental Protection
06/07/2013

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
O. E. Burge	Columbia Gas Transmission, LLC	Storage Lease 5454	559 / 470

Received
Office of Oil & Gas

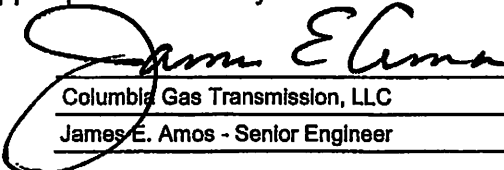
**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

 6/4/13

Columbia Gas Transmission, LLC

James E. Amos - Senior Engineer

5100608R

WW-9
Rev. 5/10

Page _____ of _____
API Number 47 - 051 - 00608
Operator's Well No. Victory B 2993 (existing well)

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 Columbia Gas Transmission, LLC OP Code 307032

Watershed Laurel Fork Quadrangle Littleton

Elevation 1089 County Marshall District Liberty

Description of anticipated Pit Waste: no earthen pit to be utilized (all recovered fluids to be captured in tanks)

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a synthetic liner be used in the pit? N/A. If so, what mil.?

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 34-167-2-9395 (WVOG); 34-167-2-3862 (HWR-Nichols well))
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain additional UIC wells: 34-121-2-3995 (Hunter-Warren well); 34-121-2-4086 (Hunter-Travis well))

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. no drilling planned

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? NA

Will closed loop system be used? yes

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A - no drilling planned

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust _____

-Landfill or offsite name/permit number? _____

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Office of Oil and Gas
MAY 15 2013
West Virginia Department of Environmental Protection

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 E. Amos

Company Official (Typed Name) James E. Amos

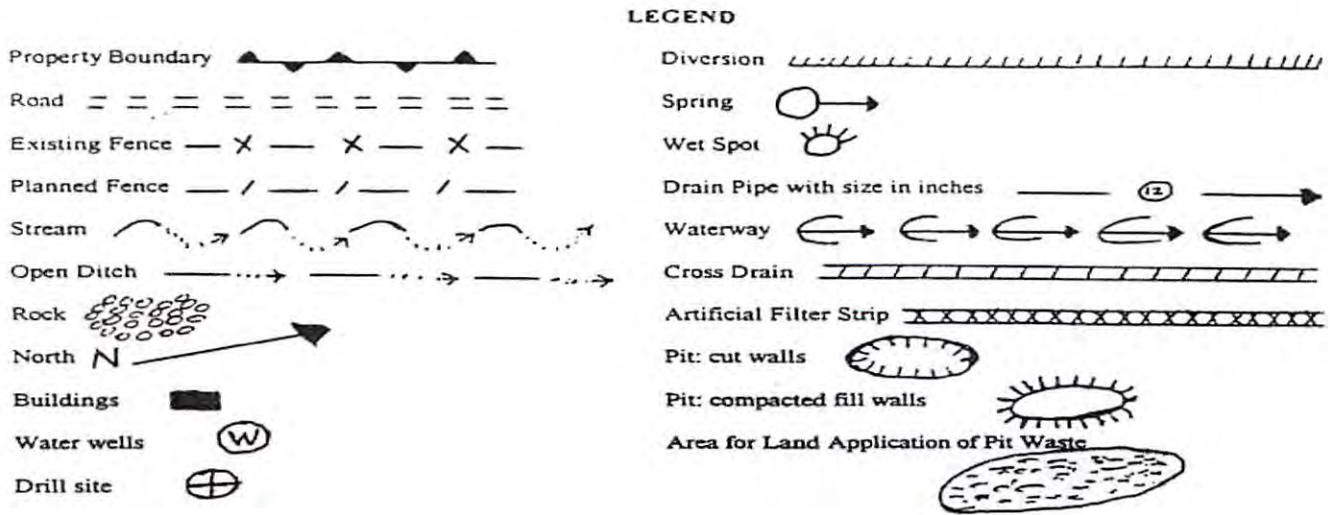
Company Official Title Senior Engineer

Subscribed and sworn before me this 23rd day of April, 2013

Mary Marie Clendenin

My commission expires 3/22/2015





Proposed Revegetation Treatment: Acres Disturbed < 1 acre Prevegetation pH 5 - 6

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Orchard Grass	20	Orchard Grass	20
Ledino Clover	10	Ledino Clover	10
Annual Rye	20	Annual Rye	20

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

Photocopied section of involved 7.5' topographic sheet.

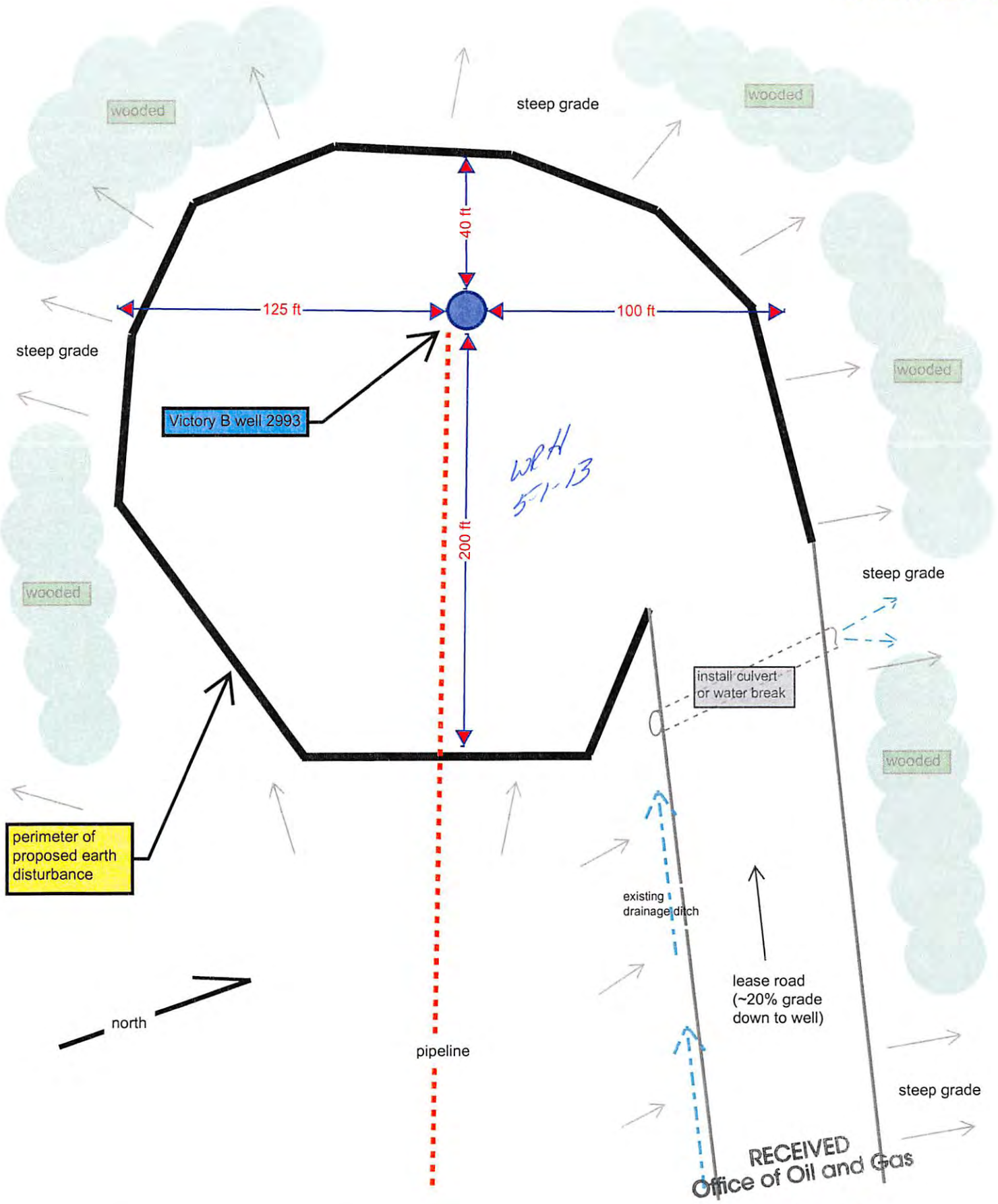
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WV Department of
Environmental Protection

Plan Approved by: William Handrup

Comments: _____

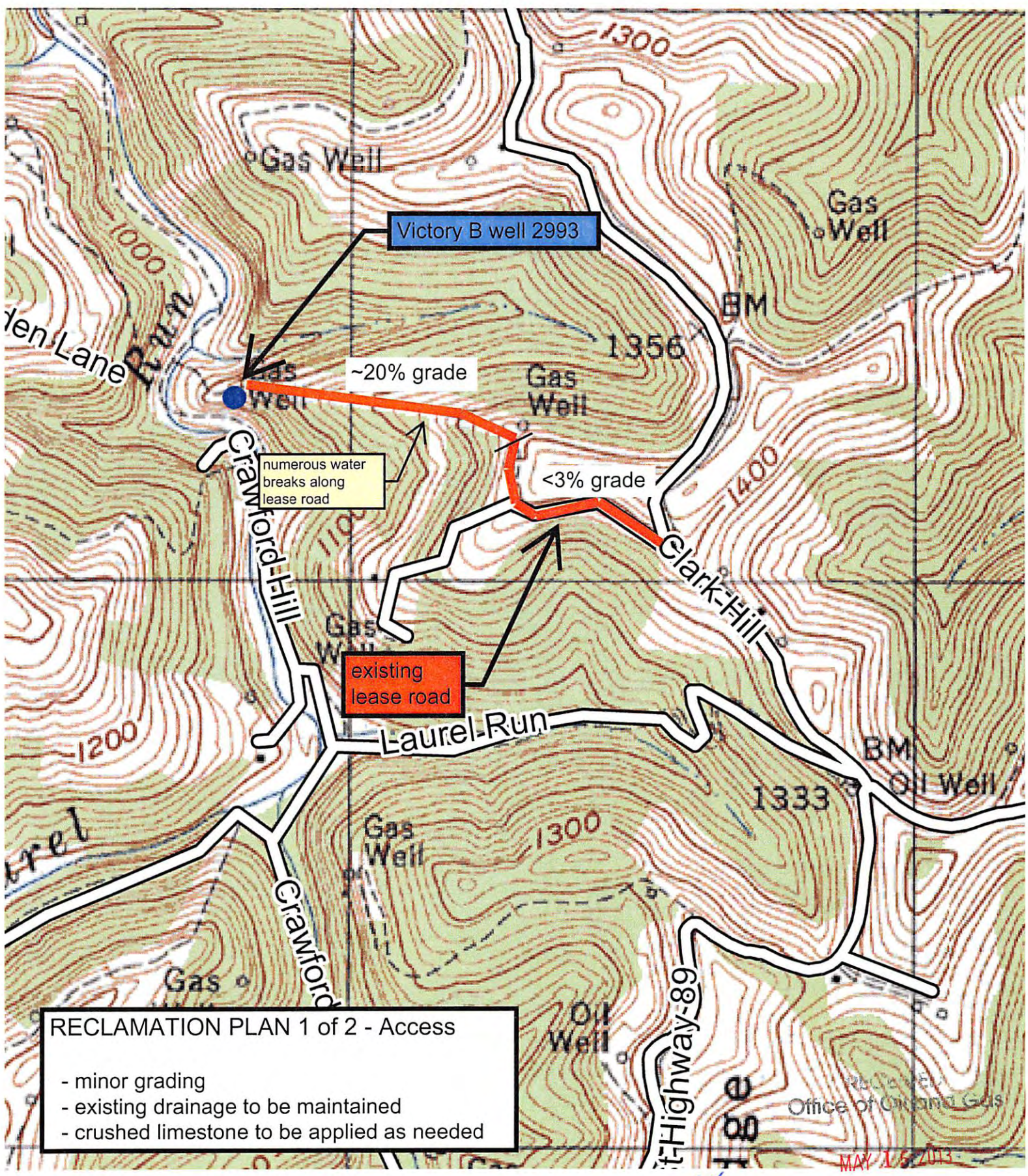
Title: ENVIRONMENTAL INSPECTOR Date: 5-1-13

Field Reviewed? () Yes () No



RECLAMATION PLAN 2 of 2 - Site Diagram
 - BMPs to be utilized per WV DEP

MAY 15 2013
 WV Department of
 Environmental Protection
 06/07/2013



RECLAMATION PLAN 1 of 2 - Access

- minor grading
- existing drainage to be maintained
- crushed limestone to be applied as needed

WPH
5-1-13

9460'
LATITUDE 39 45'00"

LONGITUDE 80 35'00"
5030'

LAT.=39°44'10.58"
LONG.=80°37'00.45"

UTM METERS (NAD83)
N-4398556.98
E-532836.07

7.5 LOC.

ZACHARY BLAIR
DEED BOOK 584 PAGE 123
TAX MAP 19 PARCEL 35

DONALD ROMACK
DEED BOOK 456 PAGE 205
TAX MAP 19 PARCEL 36

THOMAS BUKOSKY
DEED BOOK 621 PAGE 701
TAX MAP 19 PARCEL 9

WELL #2993

JAMES MORGAN
DEED BOOK 409 PAGE 89
TAX MAP 28 PARCEL 3

FENCE POST

FENCE POST

47-050-0760
WELL ROAD

SECONDARY ROUTE 74/2

MASON DIXON FARMS, LLC
DEED BOOK 646 PAGE 103
TAX MAP 28 PARCEL 2

SCOTT HARLAN
DEED BOOK 636 PAGE 225
TAX MAP 28 PARCEL 1

LAUREL RUN

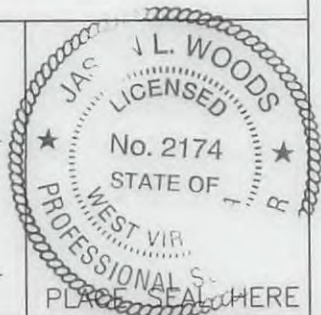
JAMES MORGAN
DEED BOOK 409 PAGE 89
TAX MAP 28 PARCEL 4

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

FILE No 13-100-017
DRAWING No. 13-100-017
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION TRIMBLE PRO XH
GPS UNIT

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.

(SIGNED) Jason L. Woods 2-25-13
JASON L. WOODS PS #2174



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
NITRO, WV



DATE FEBRUARY 22 2013
OPERATOR'S WELL No. 2993
API WELL No.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE 47 COUNTY 051 PERMIT 00608R
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1089 WATER SHED LAUREL FORK

DISTRICT LIBERTY COUNTY MARSHALL

QUADRANGLE LITTLETON

SURFACE OWNER MASON DIXON FARMS, LLC ACREAGE 32

OIL & GAS ROYALTY OWNER O. E. BURGE LEASE ACREAGE 32

LEASE No. 5454

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR

STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW

FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ACIDIZE

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION BIG INJUN ESTIMATED DEPTH 1970

WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK

ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.

25325-1273 25325-1273

FORM IV-6 (8-78)

06/07/2013

WW-2B1
(5-12)

Well No. Victory B 2993 (existing well)

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name * Not applicable - existing underground natural gas storage well.
Sampling Contractor _____

RECEIVED
Office of Oil and Gas

Well Operator Columbia Gas Transmission, LLC
Address _____

Telephone _____

MAY 15 2013
WV Department of
Environmental Protection

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.