



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Friday, May 12, 2017
WELL WORK PERMIT
Vertical / Plugging

ROSS AND WHARTON GAS COMPANY, INC. (A)
RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re: Permit approval for
47-007-01674-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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- 0450.

James A. Martin
Chief

Operator's Well Number:
Farm Name: TUCK FAMILY LIMITED PARTNERSHIP
U.S. WELL NUMBER: 47-007-01674-00-00
Vertical / Plugging
Date Issued: 5/12/2017

Promoting a healthy environment.

05/12/2017

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.

701674P

WW-4B
Rev. 2/01

1) Date April 1, 2014
2) Operator's
Well No. Tuck, Richard 1-S-219
3) API Well No. 47-007 - 01674

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 1044 Watershed Wolf Pen Run of Steer Creek
District Birch County Braxton Quadrangle Rosedale
- 6) Well Operator Ross & Wharton 7) Designated Agent Mike Ross
Address Route 5 Box 29 Address PO Box 219
Buckhannon, WV 26201 Coalton, WV 26257
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Danny Mullins Name Unknown
Address 220 Jack Acres Road Address _____
Buckhannon, WV 26201

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

2253 - TD

Run 6% Gel between each plug

2253 - 1940 Set Cement Plug

1550 - 1450 Set Cement Plug

1100 - 1000 Set Cement Plug

250 - 0 Set Cement Plug

Set Monument with API Number

*FREE POINT 4 1/2" CASING, CUT & PULL OUT OF HOLE
SET 100' CLASS A CEMENT PLUG ACROSS 4 1/2" CUT.*

250 to SURFACE COVER 8 by casing SCAT

Free Point and Pull all casing

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Office of Oil and Gas

MAR 06 2017

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

WV Department of
Environmental Protection

Work order approved by inspector

Danny Mullins

Date

3-1-17

05/12/2017

OG-10
Rev. 9-71



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SEP 16 1987

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES
WELL RECORD

Quadrangle: Rosedale
Permit No: 41-007-1674

Rotary Cable
Cable Gas
Recycling Comb.
Water Flood Storage
Disposal (Kind)

Company: Stonestreet Lands Company
Address: P.O. Box 50 Spencer, W.Va.
Richards Acres: 46
Location (water): Wolf Pen Run of Steer Creek
Well No: 15219 Elev: 1044
District: Birch County: Braxton
The surface of tract is owned in fee by: Richard Tuck
Address: Washington, D.C.
Mineral rights are owned by: Richard Tuck etals
Washington, D.C.
Address: _____
Drilling Commenced: 7-18-81
Drilling Completed: 7-22-81
Initial open flow: 25,000 cu. ft. 0 bbls.
Final production: 625,000 cu. ft. per day Show bbls.
Well open: 6 hrs. before test 610 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks)
Size 20-16			
Cund. 13-10"			
9 5/8			
8 5/8	204	204	60 sks
7			
5 1/2			
4 1/2		2253	70 sks
3			
2			
Liners Used			

Well treatment details:
J-266 Gell 350 lbs. 20/40 sand 30,000
W 22 Anti sludging 36 gals. L-53 clay control agent 15 gals.
1 18 1/2 flo surfactant 8 gals. Acid 15% HCL 2000 gals. 500 bbls. water
A 200 inhibitor 4 gals.

Coal was encountered at None Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand: Blue Monday, Big Injun Depth 1990-2224

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Not recorded			0	1000		
Shale & Sand			1000	1030		0 to 1000 not recorded is continued on the back
Shale			1030	1100		
Sand & Shale			1100	1152		
Shale			1152	1218		
Sand & Shale			1218	1234		
Shale			1234	1242		
Sand & Shale			1242	1272		
Shale			1272	1368		
Sand & Shale			1368	1390		
Shale			1390	1496		
Sand & Shale			1496	1530		
Shale			1530	1564		
Salt Sand			1564	1604		
Shale			1604	1676		
Salt sand			1676	1698		
Shale			1698	1716		
Salt sand			1716	1782		
Shale			1782	1930		
Little Lime			1930	1960		
Shale			1960	1978		
Salt Sand			1978	1990		
Blue Monday			1990	2010		

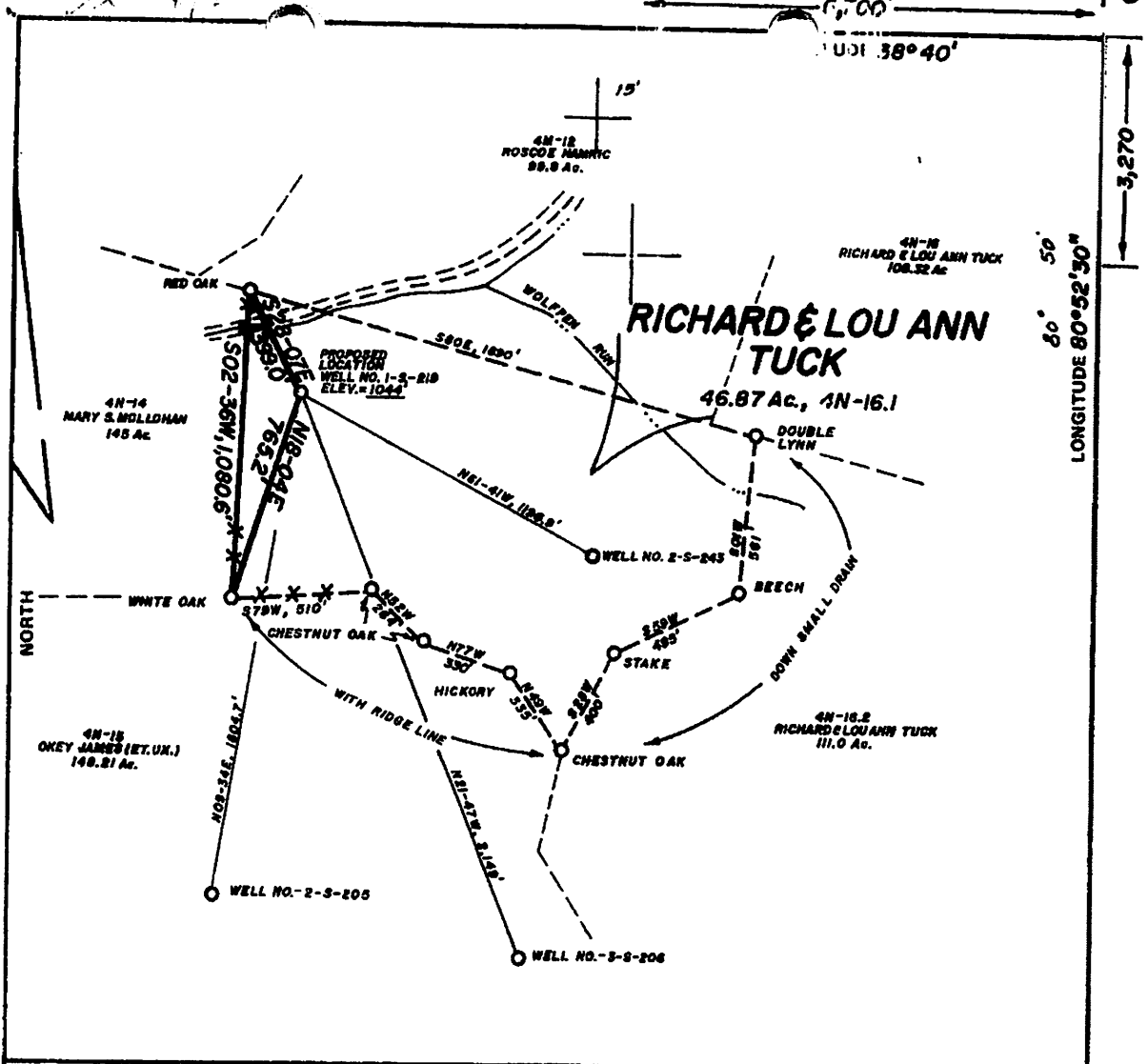
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Big Liane			2010	2100		
Big Injun			2100	2224		
Shale			2224	2378	TD	
Clay			0	25		
Sand & Shale			25	50		
Red Rock			50	65		
Sand & Shale			65	105		
Red Rock			105	150		
Sand & Shale			150	180		
Red Rock			180	196		
Sand & Shale			196	230		
Red Rock			230	270		
Sand & Shale			270	290		
Red Rock			290	320		
Sand & Shale			320	360		
Red Rock			360	380		
Sand & Shale			380	410		
Red Rock			410	460		
Sand & Shale			460	490		
Red Rock			490	530		
Sand & Shale			530	560		
Red Rock			560	610		
Sand & Shale			610	650		
Red Rock			650	695		
Sand & Shale			695	730		
Shale			730	760		
Sand & Shale			760	790		
Shale			790	840		
Sand & Shale			840	870		
Shale			870	910		
Sand & Shale			910	940		
Shale			940	1000		

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MAR 06 2017

WV Department of
Environmental Protection

Date: September 7, 2017
APPROVED: *[Signature]*
General Manager

05/12/2017



FILE NO. RICHARDS
 DRAWING NO. _____
 SCALE 1"=800'
 MINIMUM DEGREE OF ACCURACY 1:800
 PROVEN SOURCE OF ELEVATION B.M. AT ROAD INTERSECTION, ELEV. 928'

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 DEPARTMENT OF MINES.
 (SIGNED) Cliff Walpole
 R.P.E. _____ L.L.S. 717

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE MAY 27, 19 81
 OPERATOR'S WELL NO. 1-S-219
 API WELL NO. _____
47 - 007 - 1674-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Plugging Permit cancelled

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1044' WATER SHED WOLF PEN RUN OF STEEN CREEK
 DISTRICT BRANCH COUNTY BRANTON
 QUADRANGLE ROSDALE 75'

SURFACE OWNER RICHARD & LOU ANN TUCK ACREAGE 46.87 Ac.
 OIL & GAS ROYALTY OWNER RICHARD & LOU ANN TUCK, ET AL. LEASE ACREAGE 46.87 Ac.

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 BIG INJUN ESTIMATED DEPTH 800'
 WELL OPERATOR STANLEY CARDS CO. DESIGNATED AGENT OW STONEMETRY
 ADDRESS SPENCER, W.V. ADDRESS SPENCER, W.V.

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 Office of Oil and Gas
 MAR 06 2017
 WV Department of Environmental Protection

S.N.C. 1674-P

WW-4A
Revised 6-07

1) Date: February 16, 2017
2) Operator's Well Number
Tuck, Richard 1-S-219

3) API Well No.: 47 - 007 - 01674

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Tuck Family Limited Partnership</u>	Name <u>N/A</u>
Address <u>908 Place Louie</u>	Address _____
<u>De Soto, TX 75115</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres Road</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-932-6844</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 Ross Wharton (Mike Ross Inc.)
 By: *Mike Ross*
 Its: President
 Address PO Box 219
Coaltion, WV 26257
 Telephone 304-472-4289

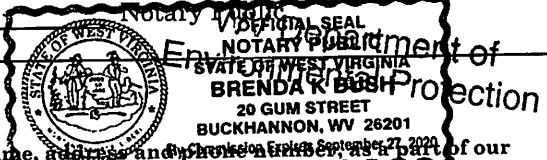
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Office of Oil and Gas

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Subscribed and sworn before me this 16th day of February, 2017

My Commission Expires September 27, 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 depprivacyoffier@wv.gov.

Mike Ross Inc.

(304) 472-4289 (Office) Box 219 Coalton, WV 26257 (304) 472-7405 (Fax)

February 15, 2017

Tuck Family Limited Patnership
908 Place Louie
De Soto, TX 75115

Re: Tuck 1-S-219 Plugging Permit

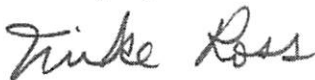
Dear Sir or Madam:

Mike Ross Inc. is in the process of applying for a permit to plug the above referenced well. Enclosed are copies of the Notice and Application for well plugging permits and the location plats.

Please note the instructions on the surface owner waiver. If you have no objection to the plugging being done, please sign the waiver and return it to our office.

If you have any questions, please do not hesitate to contact this office.

Thank you,



Mike Ross Inc.

7016 2140 0001 1545 5598

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$ 3.35	Postmark Here Sent 3/21/17
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy) \$ 2.15	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$ 0.88	
Total Postage and Fees \$ 6.98	
Tuck Family Limited Partnership 908 Place Louie De Soto, TX 75115	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

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Office of Oil and Gas
MAR 06 2017
WV Department of Environmental Protection

03/17/2017

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 Ross & Wharton (Mike Ross Inc.) OP Code 305680

Watershed Wolf Pen Run of Steer Creek Quadrangle Rosedale

Elevation 1044 County Braxton District Birch

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? Yes **NO PIT**

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 _____)

**WILL USE STEEL TANKS TO
CONTAIN WELL EFFLUENT
AND DISPOSE OF OFFSITE, PROPERLY.**

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 *Mike Ross*
 Company Official (Typed Name) Mike Ross
 Company Official Title President

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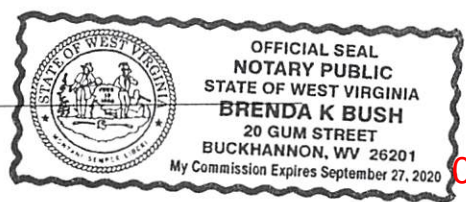
MAR 06 2017

WV Department of
Environmental Protection

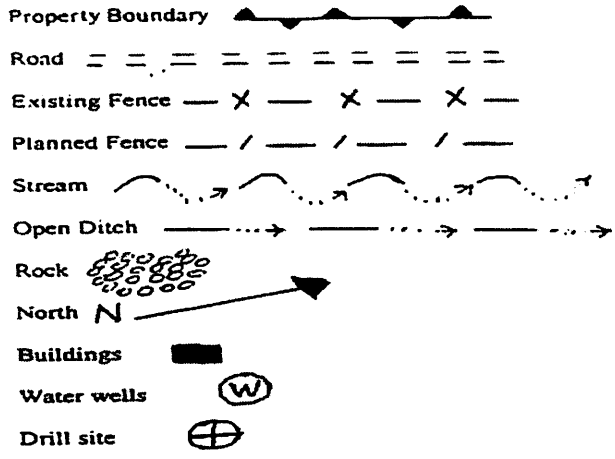
Subscribed and sworn before me this 16th day of February, 2017

Brenda K. Bush
Notary Public

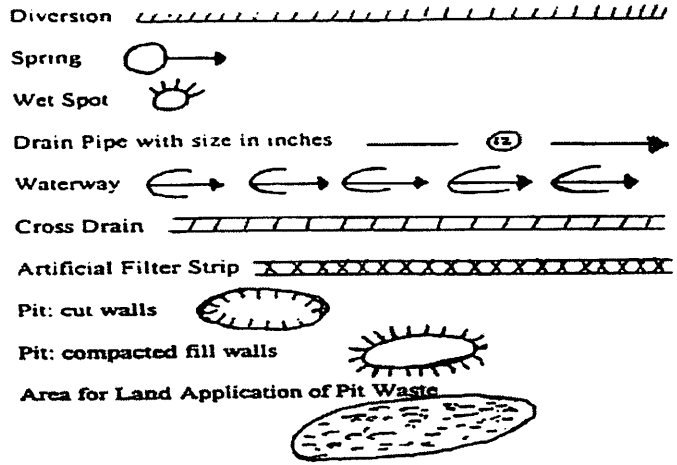
My commission expires September 27, 2020



05/12/2017



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 50% lbs/acre (500 lbs minimum)

Mulch _____ Tons/acre

Seed Mixtures

Seed Type	Area I		Area II	
	Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue				
Contractors Mix				

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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Office of Oil and Gas
MAR 06 2017

Plan Approved by: _____

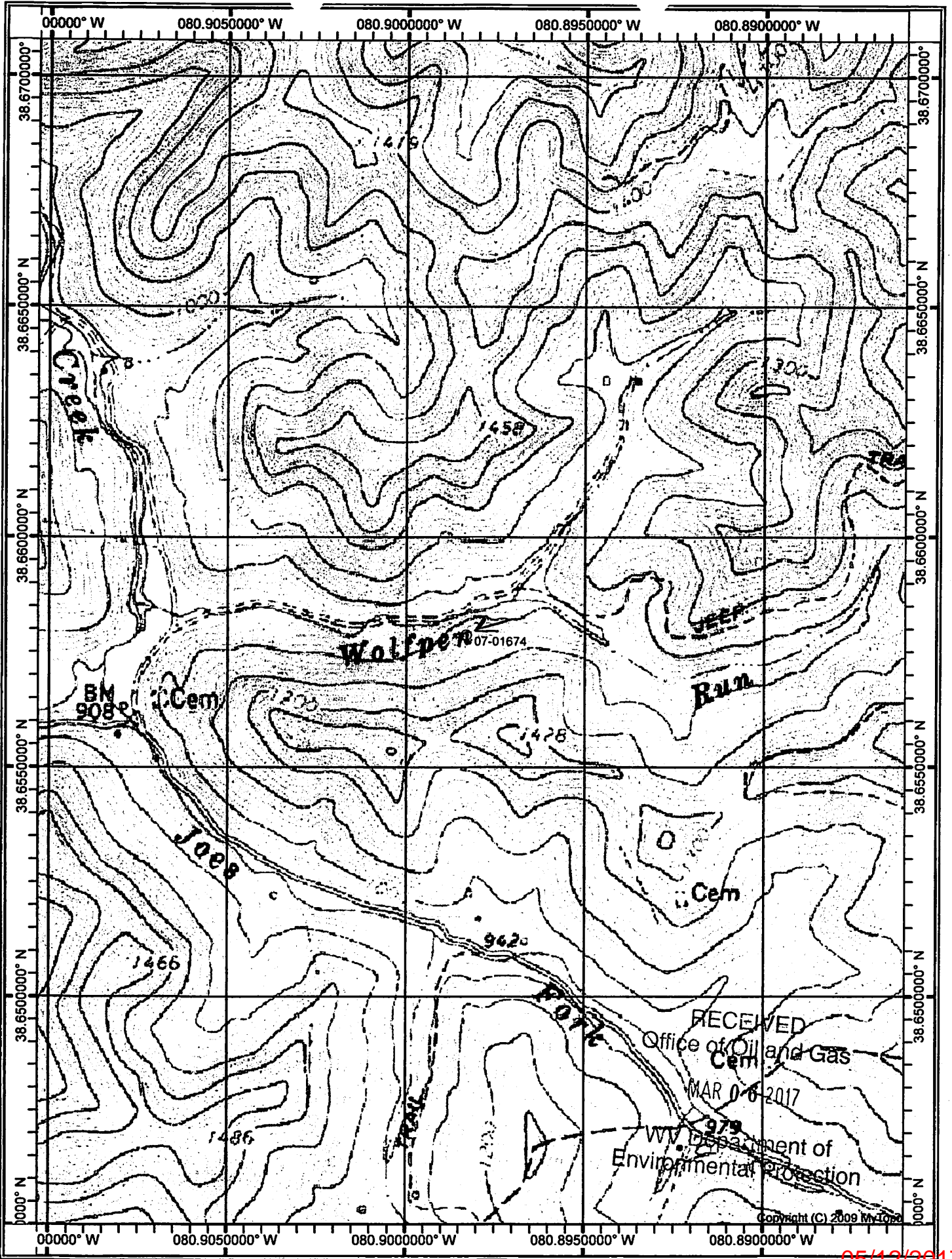
Comments: _____

WV Department of
Environmental Protection

Title: President

Date: February 16, 2017

Field Reviewed? () Yes () No



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-007-01674 WELL NO.: 1-S-219

FARM NAME: Tuck, Richard

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Braxton DISTRICT: Birch

QUADRANGLE: Rosedale

SURFACE OWNER: Tuck Family Limited Partnership

ROYALTY OWNER: Richard Tuck Et Al.

UTM GPS NORTHING: 4278806.9

UTM GPS EASTING: 508843.8 GPS ELEVATION: 1044

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 : Post Processed Differential

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.

Mike Ross
Signature

President
Title

April 10, 2014
Date

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