



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

August 21, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8703308, issued to PRIME OPERATING 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 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: 278
Farm Name: HALL
API Well Number: 47-8703308
Permit Type: Plugging
Date Issued: 08/21/2015

Promoting a healthy environment.

08/21/2015

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.

1) Date _____, 20____
2) Operator's
Well No. Hall 278
3) API Well No. 47-015 - 02198

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 1051.98' Watershed Slab Fork of Stringtown
District Smithfield County Roane Quadrangle Looneyville 7.5

6) Well Operator Prime Operating Company 7) Designated Agent _____
Address 714 1/2 Lee Street East Address _____
Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Ed Gainer Name _____
Address PO Box 821 Address _____
Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows: CIA Plugs
Run 2 3/8" tubing to 2285' TD. Pump 6% gel to surface, set 200' cement plug to cover perfs. 2200'-2000'
Pull 2 3/8 tubing out of hole, cut 4 1/2" casing at 1360' pump 6% gel to surface and set 100' cement plug
at pipe cut. Pull 4 1/2" casing to 1050' and set 200' cement plug for elevation. 1050' - 950'
Pull 4 1/2" casing to 300' and set 100' cement plug inside and at the bottom of surface pipe. Pull 4 1/2" casing 300' - 200'
to 100' and fill with cement to surface. Pull 4 1/2" out of well and fill with cement to surface and set 100' - SURFACE
a plugging monument with API and date plugged.

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

Work order approved by inspector  Date 7-6-15

08/21/2015

Oil and Gas Division

HALL # 278

WELL RECORD

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

County Walton NE

Permit No ROA-3308

Company <u>Sterling Drilling & Prod. Co., Inc</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill Cu. ft. (Sk)
Address <u>622 3rd Ave. - NY, NY 10017</u>	Size			
Farm <u>Hall</u> Acre <u>251</u>	70-16			
Location (waters) <u>Rush Creek</u>	Cond			
Well No. <u>278</u> Elev. <u>1051.98'</u>	13-10"			
District <u>Smithfield</u> County <u>Roane</u>	9 5/8			
The surface of tract is owned in fee by <u>Brown Jarvis</u>	E 5/8	269	269	100 sks.
Address <u>631 Slab Fork Rd. - Spencer, WV 25276</u>	7			
Mineral rights are owned by <u>Charles H. Hall Et Al</u>	5 1/2			
Address <u>901 Ann St. Ravenswood, WV 26164</u>	4 1/2		2286	100 sks.
Drilling Commenced <u>May 1, 1981</u>	3			
Drilling Completed <u>May 17, 1981</u>	2		2192	
Initial open flow <u>M</u> cu. ft. <u>8</u> bbls.	Liners Used			
Final production <u>35 M</u> cu. ft. per day				
Well open <u>16</u> hrs. before test <u>350#</u> RP.				

Attach copy of cementing record.

Well treatment details:
Perforated Injun Sand with 4 holes from 2128 to 2132, 10 holes from 2166 to 2172 and squaw 2 holes from 2196 to 2198.

Fractured with 500 gallon 15% Reg Acid, 15,000 # 80/100 Sand, 45,000 # 20/40 Sand and 489 barrells water.

Coal was encountered at 0 Feet _____ Inches
Fresh water: _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Injun Depth 2128 to 2198

Formation	Coal	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Rock & Shale			0	274		
Rock & Red Rock			274	440		
Sand & Shale			440	1117		
White Rock			1117	1262		
Sand & Shale			1262	2021		
Lime			2021	2175		
Shale			2175	2300		
Sand		ELECTRIC LOG	1864	2032		
Lime			2032	2042		
Slate			2042	2056		
Big Lime			2056	2094		
Sand			2094	2200		
Shale			2200	2285		
				T.D. 2285		

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(over)

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Hall 278 _____
3) API Well No.: 47 - 087 - 03308

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>Anthony Harold</u>	Name _____
Address <u>3255 Slab Fork</u>	Address _____
<u>Spencer WV 25276</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Joseph Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name _____
<u>Ripley WV 25271</u>	Address _____
Telephone <u>304-380-7469</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
Prime Operating Company
Designated Agent/ District Manager
Address
714 1/2 Lee Street East
Charleston, WV 25301
Telephone
304-342-0121

Sara M. Lyon

Subscribed and sworn before me this 20th day of July 2015
Sara M. Lyon Notary Public
 My Commission Expires March 28, 2023

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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 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.

WV Department of
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08/21/2015

SURFACE OWNER WAIVER

Operator's Well
Number

Hall 278

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

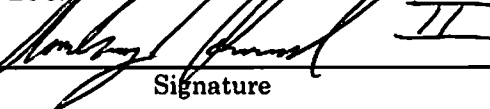
If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

**FOR EXECUTION BY A NATURAL PERSON
ETC.**


Signature

Date 7/14/2015 Name _____
By _____
Its _____

Signature

Date 08/21/2015

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FOR EXECUTION BY A CORPORATION,
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8703308A

WW-9
Rev. 5/08

Page 1 of 6
API Number 47 - 087 - 03308
Operator's Well No. Hall 278

CK# 645615
100.00

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 Prime Operating Company OP Code 306837

Watershed Slab Fork of Stringtown Quadrangle Lonneyville 7 1/2

Elevation 1051.98 County Roane District Smithfield

Description of anticipated Pit Waste: Salt Water, Cementing Fluids and gel

Will a synthetic liner be used in the pit? Yes 20 mil

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2D0873432)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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 Halsey M. Whitney

Company Official (Typed Name) Halsey M. Whitney

Company Official Title Designated Agent/ District Manager

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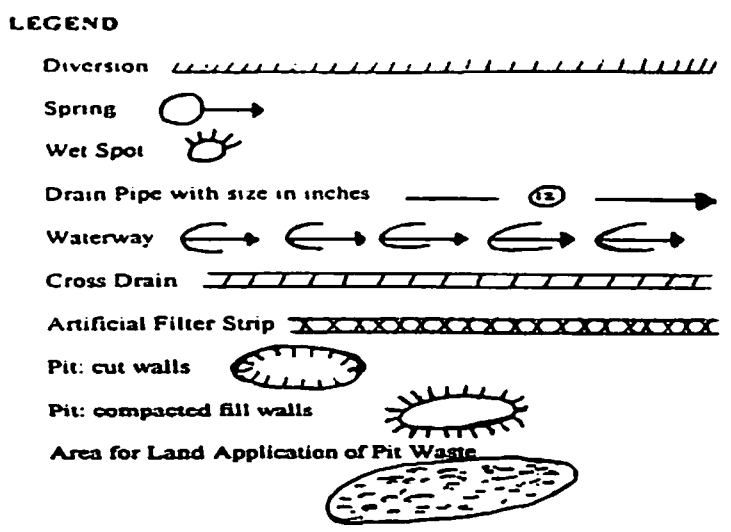
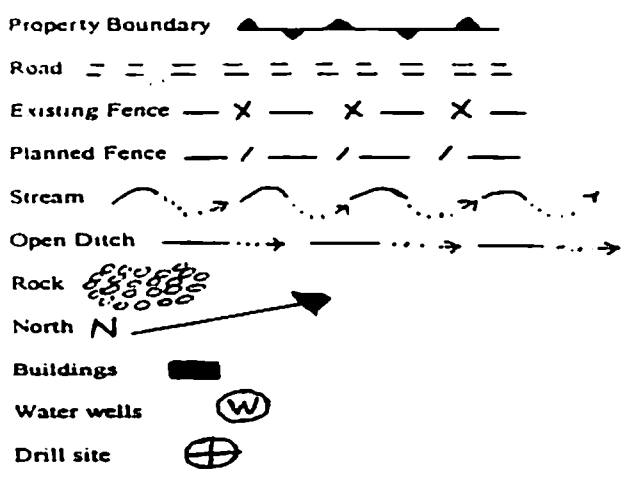
[Handwritten signature]

Subscribed and sworn before me this 20th day of July, 2015

Sara M. Lyon Notary Public

My commission expires March 28, 2023





Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 6.5

Lime _____ Tons/acre or to correct to pH 6.5

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

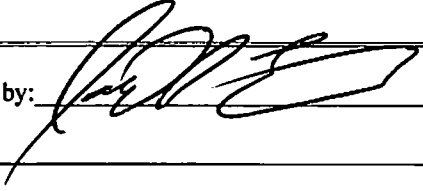
Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
KY 31 Fescue	50		

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments: _____

Title: OOG - Inspector

Date: 7-6-15

Field Reviewed? Yes No

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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-087-03308 WELL NO.: 278

FARM NAME: Hall

RESPONSIBLE PARTY NAME: Prime Operating Company

COUNTY: Roane DISTRICT: Smithfield

QUADRANGLE: Looneyville

SURFACE OWNER: Anthony Harold

ROYALTY OWNER: Hall etal

UTM GPS NORTHING: 470957.0

UTM GPS EASTING: 4283168.4 GPS ELEVATION: 1059' (322.8 meters)

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

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Environmental Protection

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.

Haley M. White
Signature

Dist. MGR
Title

7/20/15
Date

08/21/2015



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

HALL #278

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE May 30, 1980

Surface Owner Brown Jarvis Company Sterling Drilling & Prod. Co.
 Address 631 Slab Fork Rd., -Spencer, WV 25276 Address 622 3rd Ave., NY, NY 10019

Mineral Owner Charles H. Hall, Et Al Farm HALL Acres 251
 Address 901 Ann St. -Ravenswood, WV 26164 Location (waters) Rush Creek

Coal Owner Unknown-Unoperated Well No. 278 (5) Elevation 1051.98'
 Address _____ District Smithfield County Roane

Coal Operator None Quadrangle Walton NE
 Address _____

INSPECTOR
 TO BE NOTIFIED Richard Morris
 ADDRESS Box 372-Grantsville, WV 26147
 PHONE 354-7259

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated December 16 1978 by Charles H. Hall, Et Al made to Sterling Drilling & Prod. Co. and recorded on the 15th day of March 1979, in Roane County, Book 148 Page 575

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
 _____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Sterling Drilling & Prod. Co.
 (Sign Name) Charles E. Moore
 Well Operator

PLEASE SUBMIT COPIES OF ALL
 GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
 ECONOMIC SURVEY
 P. O. BOX 879
 MORGANTOWN, WEST VIRGINIA 26505
 AC-304 - 292-6331

Address _____
 of _____
 Well Operator _____

 Street _____

 City or Town _____

 State _____

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit, the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-087-3308 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 9, Section 12-b and will carry out the specified requirements."
 Signed by Charles E. Moore

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 Office of Oil and Gas

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THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
NAME F W A Drilling Co., Inc. NAME Charlie E. Moore
ADDRESS Box 448-Elkview, WV 25071 ADDRESS Rt. 1, Box 30-Duck, WV 25063
TELEPHONE 965-3379 TELEPHONE 364-5780
ESTIMATED DEPTH OF COMPLETED WELL: 2245 ROTARY X CABLE TOOLS _____
PROPOSED GEOLOGICAL FORMATION: Injun
TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - (CUBIC FT.)
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250	250	To Surface
7			
5 1/2			
4 1/2		2245	100 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER 1050 FEET
APPROXIMATE COAL DEPTHS 0
IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:
SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:
SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:
OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.
Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.
We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code. 08/24/2015

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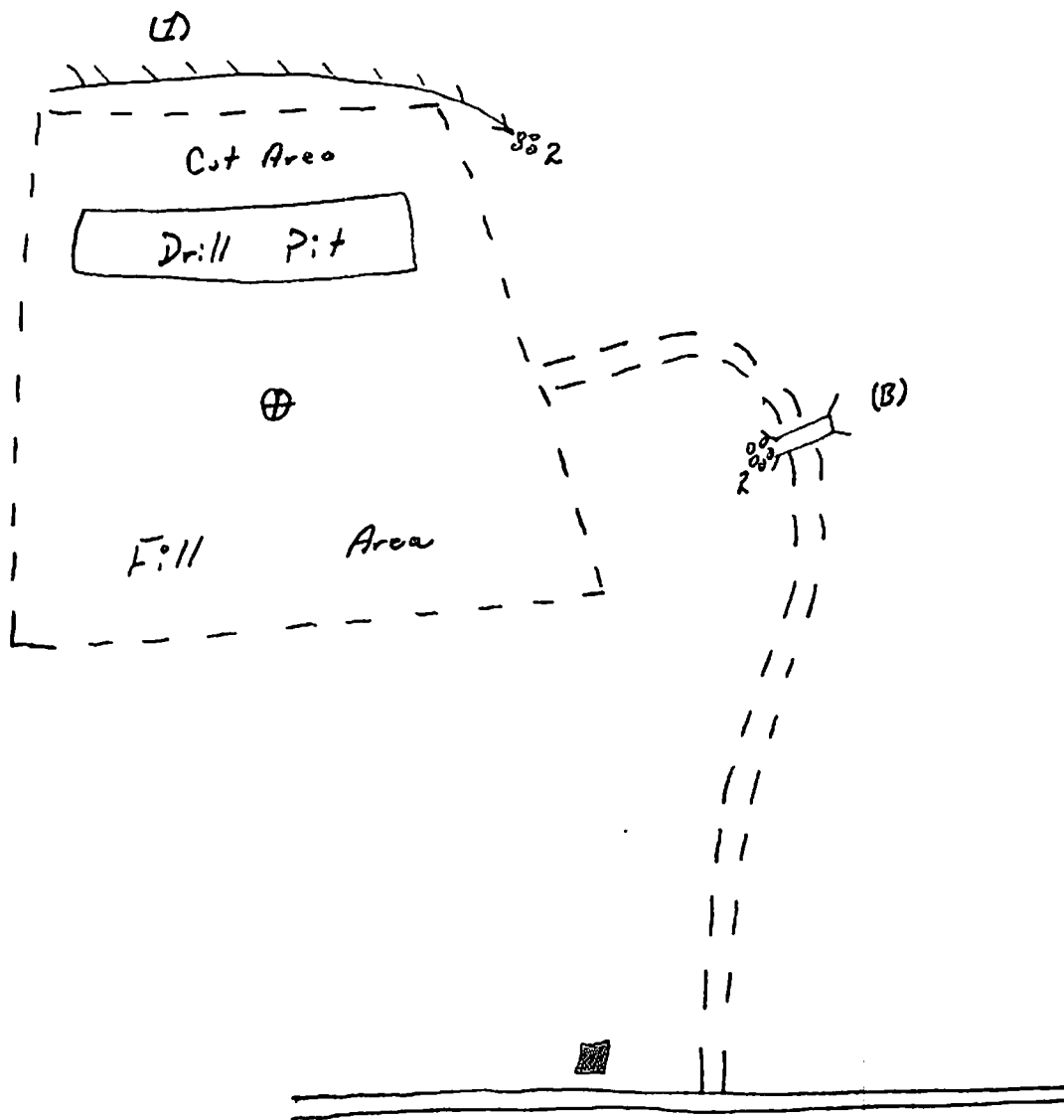
For Coal Company

Official Title

Well Site Plan

- Legend:
- Property Boundary
 - Road
 - Existing Fence
 - Planned Fence
 - Stream
 - Open Ditch
 - Diversion
 - Spring
 - Wet Spot
 - Building
 - Drain Pipe
 - Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments: Slope of well road \approx 15%
Cuts will be 2% or less.
Seeding to be done within 3 months.
 Signature: Charles E. Moore Rt. 1 Box 30 - Duck WV 364-5780
 Agent Address Phone Number

08/21/2015

Please request landowners cooperation to protect new seeding for next seeding season.

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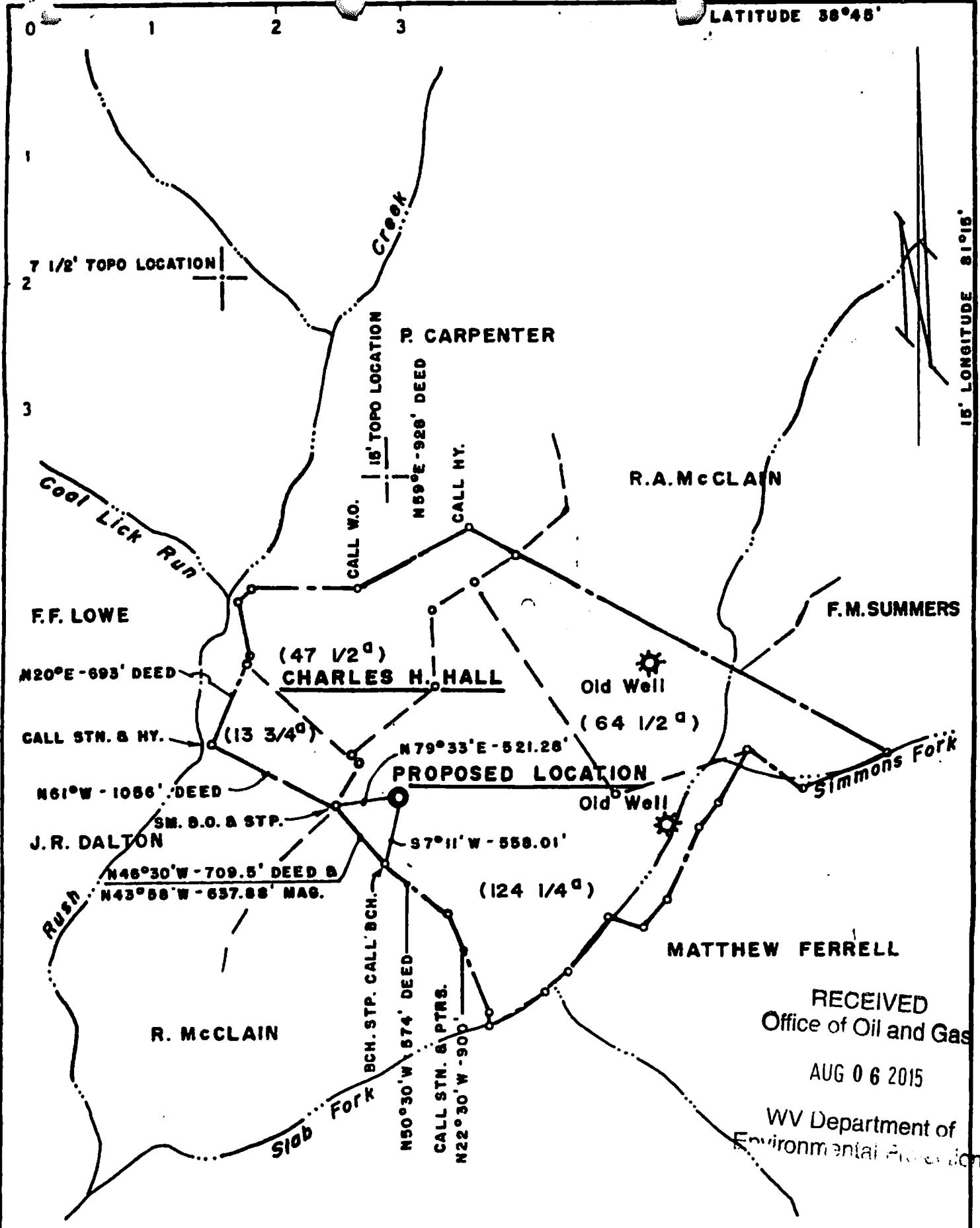
WV Department of
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8703308P

12050

1/2' LATITUDE 38°42'30"

LATITUDE 38°45'



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AUG 06 2015
WV Department of
Environmental Protection

CERTIFICATE

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

I the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum degree of accuracy is one part in 200

Signed: *Harry J. Berger* L.L.S. 248

N.B. H-13 PG. 14

COMPANY: **STERLING DRILLING & PRODUCTION CO., INC.**
 ADDRESS: **622 3RD AVE., SUITE 3800, N.Y., N.Y. 10017**
 FROM: **CHARLES H. HALL, ET. AL.**
 MAP: **73-B** ACRES: **291** LEASE NO: **098-001**
 WELL (FARM) NO: **5** SERIAL NO: **278**
 ELEVATION (SPIRIT LEVEL): **1051.96'**
 QUADRANGLE: **15' WALTON N.E. & 7 1/2' LOONEYVILLE**
 COUNTY: **NOANE** DISTRICT: **SMITHVILLE**
 POINT OF PROVER ELEVATION: **U.S.G.S. B.M. SHOWN ON PLAT**
ELEV. 774'
 DATE: **FEB. 23, 1980** DRAWING NO: **1" = 1000'**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
08/21/2015
WELL LOCATION MAP
 FILE NO: **47-087-3308**
 DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC
 MAPS SCALE 1" TO 42,500' LATITUDE AND LONGITUDE LINES
 BEING REPRESENTED BY DOTTED LINES AS SHOWN
 DENOTES ONE INCH SPACES ON DOTTED LINE OF ORIGINAL PLATING

8703308P

Mailed to SCD 5-23

Form IV-9
(01-80)

Date May 22 19 80
Well No. Hall # 278
API No. 47 - 087 - 3308
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Sterling Drilling & Prod. Co. Designated Agent Charles E. Moore
Address 622 Third Ave. N.Y. N.Y. 10017 Address P.O. Box 30 Durk. WV 25063
Telephone 212-949-9100 Telephone 304-364-5780
Landowner Brown Farris Soil Cons. District Lit. Kanawha SCS
Revegetation to be carried out by Moore's Well Service, Charles Moore (Agent)
This plan has been reviewed by _____ SCD. All corrections
and additions become a part of this plan. _____ (Date) _____ (SCD Agent)

Access Road	Location
Structure <u>Culverts</u> (A)	Structure <u>Diversion Ditches</u> (1)
Spacing <u>Min Size 12"</u>	Material <u>Earth</u>
Page Ref. Manual <u>I-8</u>	Page Ref. Manual <u>I-11</u>
Structure <u>Drainage Ditch</u> (B)	Structure <u>Rip Rap</u> (2)
Spacing _____	Material <u>Rock</u>
Page Ref. Manual <u>I-11</u>	Page Ref. Manual <u>N/A</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I		Treatment Area II	
Lime _____ Tons/acre	or correct to pH <u>6.5</u>	Lime _____ Tons/Acre	or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>(Hay) 2</u> Tons/acre		Mulch <u>(Hay) 2</u> Tons/Acre	
Seed* <u>Ky 31-30</u> lbs/acre		Seed* <u>Ky 31-30</u> lbs/acre	
<u>Dakard 10</u> lbs/acre			

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

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AUG 06 2015

WV Department of

Attach or photocopy section of involved Topographic map. Quadrangle Env 134145 Environmental Protection

Legend:  Well Site

