



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

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Thursday, December 15, 2016
WELL WORK PERMIT
Vertical / Plugging

STALNAKER ENERGY CORPORATION
P. O. BOX 178

GLENVILLE, WV 263510000

Re: Permit approval for MAXWELL 4
47-017-00244-00-00

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: MAXWELL 4
Farm Name: HENDERSON, JUSTIN
U.S. WELL NUMBER: 47-017-00244-00-00
Vertical / Plugging
Date Issued: 12/15/2016

Promoting a healthy environment.

12/16/2016

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 November 25, 2016
2) Operator's Well No. Bluestone #4
3) API Well No. 47-017-00244

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 X / Gas ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 610 970 Watershed Cove Creek
District South West County Doddridge Quadrangle Oxford

6) Well Operator Stalnaker Energy Corporation 7) Designated Agent ___
Address PO Box 178 Address ___
Glenville, WV 26351

8) Oil and Gas Inspector to be notified Name Daniel H. Clark
Address 332 ...
Buckhannon WV 26201
9) Plugging Contractor Name Hydrocarbon Well Services
Address PO Box 995
Buckhannon, WV 26201

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

WELL NAME
MAXWELL # 4
OR BLUESTONE # 4
JWM

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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 [Signature] Date 11/30/16

Plugging Prognosis
 Well# 4
 Farm Name: Maxwell
 Doddridge Co., WV
 District, Southwest
 Api# 47-017-0244

By: Kevin Metz
 Date: 11/21/16

Current Status:

8 5/8" csg. @ 1076'
 7" csg. @ 1561" (on packer)
 2 7/8" tbg. @ 4950'
 Elevation @ 920'
 TD: 5032'

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Coal @ 700' - 712'

Gas Shows @ 4838'-89', 4793', 4548'-55', 2054', 2020', 1665'-75'

1. Notify State Inspector, Daniel Flack @ 304 545-0109, 48 hrs prior to commencing operations.
2. MIRU, Attempt to pull 2 7/8" tubing, if unable to pull 2 7/8" tubing run bond log inside 2 7/8" tubing, shoot off @ freepoint. TOOH 200' of 2 7/8" casing.
3. TIH w/tbg and set cement plug from 5032' - 4450', gel back up to cut, TOOH w/tbg. to 50' below cut and set 100' plug (50' in/out of cut)
4. TOOH with workstring, TOOH with 2 7/8" tubing. Gel hole back up to 2104', set cement plug from 2104' - 1970', TOOH w/tbg and gel back up to 1725'.
5. Set cement plug from 1725' - 1550', TOOH w/tbg. Freepoint 7" casing and cut 7", perforate all gas, oil, water shows below cut. TOOH w/7" casing.
6. TIH with tbg and set 100 plug 50' in, 50' out of cut. TOOH w/tbg and gel back up to 970'. Freepoint 8 5/8" casing and cut, perforate all gas, oil, and water shows below cut. TOOH with 8 5/8" csg.

7. TIH w/ tbg and set cement plug from 1080' - 870', TOOH w/tbg and gel back up to 762'. Set cement plug from 762' - 650', TOOH w/tbg and gel back to 200'.
8. Set cement plug from 200' to surface. Install monument. RDMO
9. Reclaim location and road to WV-DEP specifications.

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Additional Well to plug for Mr. Henderson.

WR- RECEIVED APR 4 1090 RECEIVED DIVISION OF OIL & GAS DEPT. OF ENERGY DEC 15 2016

State of West Virginia DEPARTMENT OF ENERGY Oil and Gas Division

Date 11-25-87 Operator's Well No. #4 Farm Maxwell API No. 47 - 017 - 244dd

WELL OPERATOR'S REPORT OF

WV Department of Environmental DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / GasXX / Liquid Injection / Waste Disposal (If "Gas," Production XX / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 920 Watershed Bluestone Creek District: West Union County Doddridge Quadrangle Oxford Southwest

COMPANY Anvil Oil Co. Inc. ADDRESS Clarksburg WV 26301 DESIGNATED AGENT Justin Henderson ADDRESS Clarksburg WV 26301 SURFACE OWNER Justin Henderson ADDRESS West Union WV MINERAL RIGHTS OWNER Mary Holland ADDRESS West Union WV OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood ADDRESS Salem WV PERMIT ISSUED 9-24-87 DRILLING COMMENCED 10-6-87 DRILLING COMPLETED 10-13-87 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Alexander Depth 4800 feet Depth of completed well 5031 feet Rotary / Cable Tools Power Swivel Water strata depth: Fresh cased off feet; Salt feet Coal seam depths: cased off Is coal being mined in the area? no

OPEN FLOW DATA Producing formation Alexander Pay zone depth 4806-4870 feet Gas: Initial open flow small Mcf/d Oil: Initial open flow 0 Bbl/d Final open flow 250 Mcf/d Final open flow 0 Bbl/d

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING; PHYSICAL CHANGE, ETC.

Perforate Alexander 4838-4889, with 17 holes, frac with 350 gal 15% hcl
 50 sks 80/100; 350 sks 20/40, 100, 000scf N2, 470 bbls treated fluid
 Avg rate 13 bbls Avg psi 4800 #

Perforate Benson 4548-4555 with 12 holes, frac with 300 gal 15% hcl
 300 sks 20/40 95,000 scf N2, 450 bbls treated fluid
 Avg rate 15 bbls Avg psi 3500#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
see existing OG-10			0	1667	Including indication of all fresh and salt water, coal, oil and gas
shale			1670	2245	previous hole
sand			2245	2260	
shale			2260	4522	E Log tops
brown shale			4522	4435	Berea 2020
shale			4435	5032	Gordon 2054
TD				5032	Benson 4522
					Alex. 4793

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5032 new TD
 1697 old TD
 3335 - new ft

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Location Holbrook
Permit No. DOD-244

WELL RECORD

Oil or Gas Well Gas

Company Bluestone No. 4
Address West Union, W. Va.
Farm Laeman Maxwell Acres 2164
Location (waters) Bluestone Creek
Well No. 1 Elev. 920
District West Union County Doddridge
The surface of tract is owned in fee by Justin M. Henderson Address West Union, W. Va.
Mineral rights are owned by Mary H. Holland, et al Address West Union, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packer
Size			Kind of Packer
8			Bottom
10	169	0	Size of 6-5/8
12	1076	1076	
14	1561	1561	Depth set 1554
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			
38			
40			
42			
44			
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90			
92			
94			
96			
98			
100			

Drilling commenced March 12, 1958
Drilling completed April 29, 1958
Rate Shot None From _____ To _____
Lith _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 4,000 Cu. Ft.
Back Pressure 425 lbs. 24 hrs.
Well Acidized Yes
Well Fractured Yes

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 700 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 400,000 g. f. _____
BACK PRESSURE AFTER TREATMENT 450 hrs. _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil			0	0			
to			10	10			
to			16	16			
to			55	55			
to		Hard	65	98			
to			98	120			
to			120	150			
to			150	160			
to			160	176			
to			176	187			
to			187	190			
to			190	215			
to			215	235			
to			235	335			
to			335	338			
to			338	360			
to			360	390			
to			390	409			
to			409	411			
to			411	416			
to			416	428			
to			428	448			
to			448	455			
to			455	475			
to			475	506			
to			506	508			
to			508	535			
to			535	575			
to			575	682			

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Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			575	585			
Slate			585	616			
Lime			616	665			
Slate			665	678			
Gritty lime			678	700			
Coal			700	712			
Slate			712	730			
Lime			730	765			
Slate			765	845			
Lime			845	945			
Black slate			945	960			
Black lime			960	970			
Pink Rock			970	980			
Slate			980	1010			
Sand			1010	1025			
Lime			1025	1045			
Sand			1045	1085			
Lime			1085	1110			
Slate			1110	1160			
Black lime			1160	1208			
Slate			1208	1218			
Lime			1218	1250			
Slate			1250	1270			
Lime			1270	1306			
Sand			1306	1320			
Lime			1320	1345			
Sand			1345	1355			
Black lime			1355	1390			
Slate			1390	1445			
Sand			1445	1455			
Slate			1455	1485			
Little lime			1485	1525			
Pencil cave			1525	1528			
Lime			1528	1606			
Gritty lime			1606	1675	gas	1665-1675	
Slate			1675	1697			
Total				1697			

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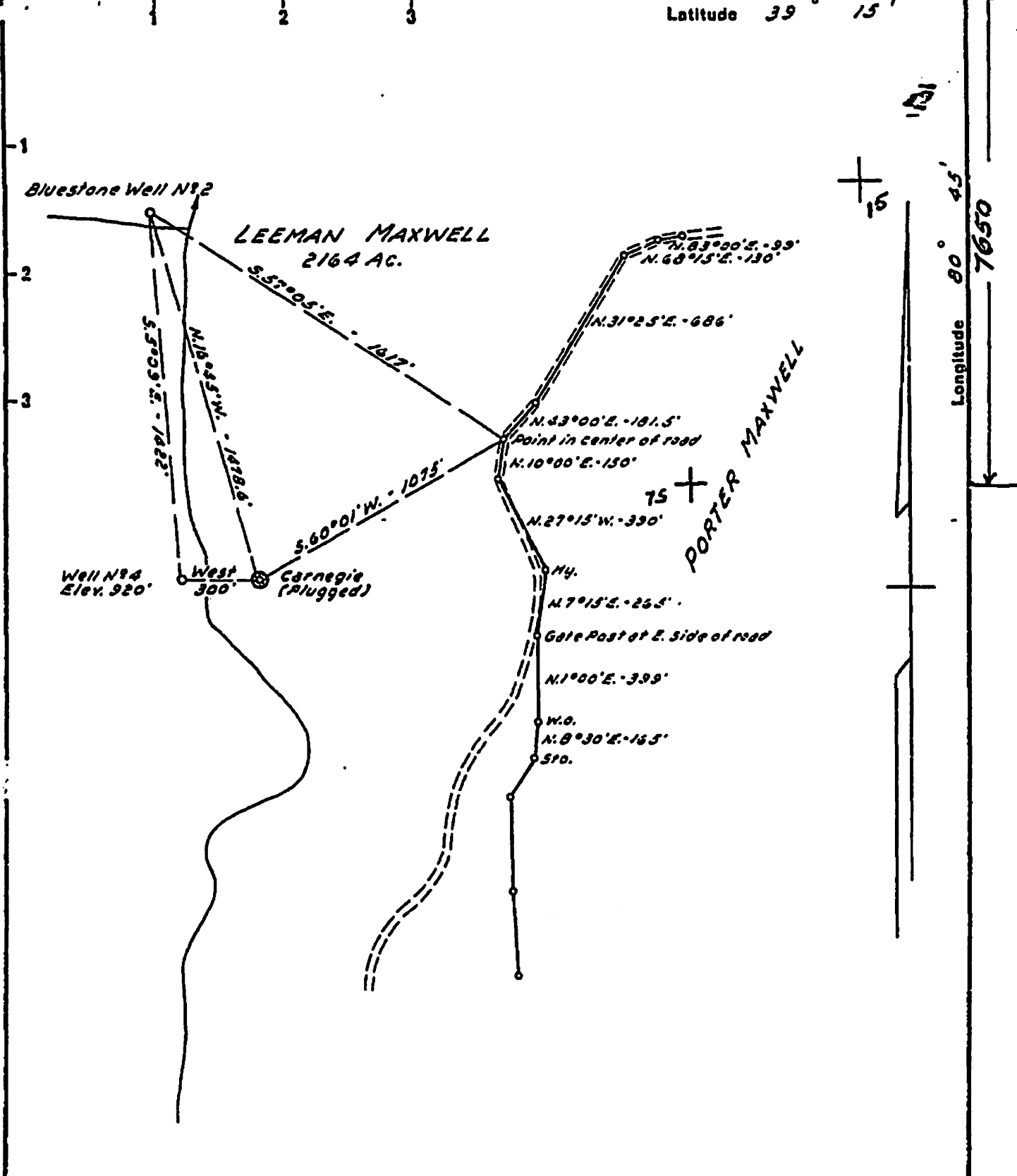
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12/16/2016

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3/1/27

4350
Latitude 39° 15'



New Location... **REVISED**
 Drill Deeper... - 9/24/37
 Abandonment...

CORRECT OPERATOR - BLUESTONE #4

Company	<u>ANVIL OIL & GAS</u>
Address	<u>PO BOX 2566 CLARKSBURG, W. VA. 26301</u>
Farm	<u>LEEMAN MAXWELL / Justin Henderson</u>
Tract	Acres <u>2164</u> Lease No. _____
Well (Farm) No.	<u>1</u> Serial No. <u>4</u>
Elevation (Spirit Level)	<u>920'</u>
Quadrangle	<u>HOLBROOK 15 OXFORD 7.5</u>
County	<u>DODDRIDGE</u> District <u>WEST UNION</u>
Engineer	<u>JOHN W. HAMILTON</u>
Engineer's Registration No.	<u>2276</u>
File No.	_____ Drawing No. _____
Date	<u>MAR. 3, 1958</u> Scale <u>1" = 500'</u>

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

WELL LOCATION MAP
 FILE NO. DDP-244-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing. 47-017

K&E 100 IMPERIAL

4950' Alexander

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SURFACE OWNER WAIVER

Operator's Well
Number

Bluestone #4

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.

FOR EXECUTION BY A CORPORATION,

 _____
Signature

Date 11-30-16 _____
Name

By _____
Its

Signature _____
Date

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WW-4B

API No. 4701700244 P
Farm Name _____
Well No. Bluestone # 4

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____ / owner X / lessee _____ / of the coal under this well location has examined this proposed plugging work order. 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.

Date: 11/30/2016

By:
Its _____

WW-9
(5/16)

API Number 47 - 017 - 00244
Operator's Well No. Bluestone 41

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Stalwaker Energy Corp. OP Code _____
Watershed (HUC 10) Cove Creek Quadrangle Oxford

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

Will a pit be used? Yes _____ No ✓

If so, please describe anticipated pit waste: Plugging

WELL EFFLUENT WILL BE CONTAINED IN TANKS BEFORE DISPOSING OF OFFSITE.
JRM

Will a synthetic liner be used in the pit? Yes _____ No ✓ If so, what ml? _____

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application (if selected provide a completed form WW-9-GPP)
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____)
- X Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

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Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

WV Department of Environmental Protection

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

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

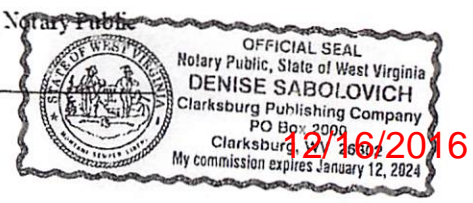
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 [Signature]
Company Official (Typed Name) Ron Stalwaker
Company Official Title President

Subscribed and sworn before me this 13th day of December, 2016

Denise Sabolovich
My commission expires January 12, 2024



Operator's Well No. Beverstone HA

Proposed Revegetation Treatment Acres Disturbed N/A Prevegetation pH N/A

Lime N/A Tons/acre or to correct to pH N/A

Fertilizer type N/A

Fertilizer amount N/A lbs/acre

Mulch N/A Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre

Attach:
Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by _____

Comments: This is an abandoned well that needs plugged according to WV DEP requirements.

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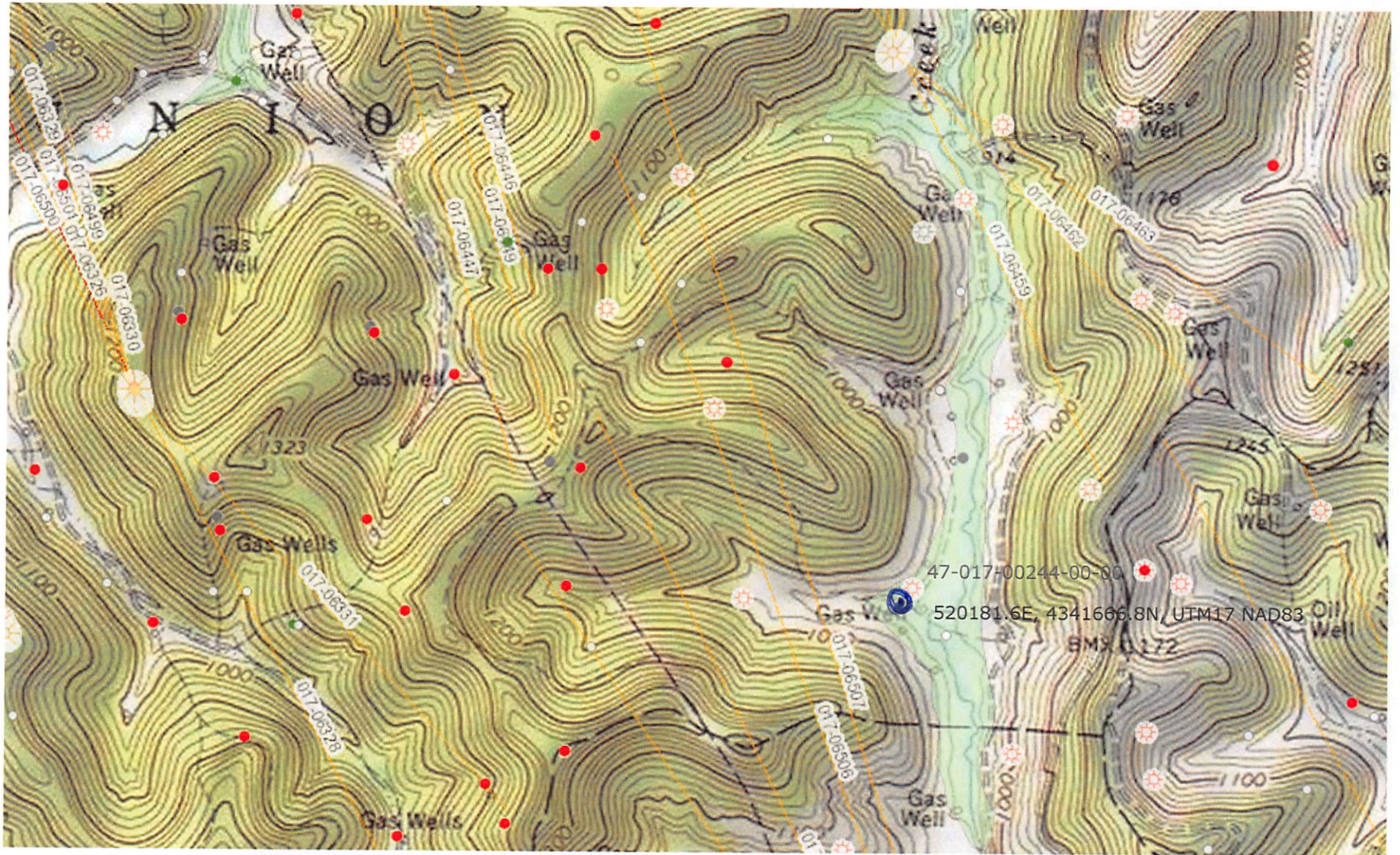
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Title: _____ Date: _____

Field Reviewed? () Yes () No

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1700244P



Google earth



12/16/2016

WW-7
8-30-06



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

API: 4701700244 WELL NO.: BLUESTONE 4?
FARM NAME: Leeman Maxwell
RESPONSIBLE PARTY NAME: Stalnaker Energy Corp.
COUNTY: Doddridge DISTRICT: South West
QUADRANGLE: Oxford
SURFACE OWNER: Justin L. Henderson
ROYALTY OWNER: Justin L. Henderson
UTM GPS NORTHING: 4341666.8
UTM GPS EASTING: 520181.6 GPS ELEVATION: 920

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.

[Signature]
Signature

President
Title

12-13-16
Date

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