



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, October 23, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

BUCKHANNON, WV 262010000

Re: Permit approval for B-446
47-033-02654-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: B-446
Farm Name: THOMAS E. WALLACE
U.S. WELL NUMBER: 47-033-02654-00-00
Vertical Plugging
Date Issued: 10/23/2019

I

47-033-02654P

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B
Rev. 2/01

1) Date October 2, 20 19
2) Operator's
Well No. George Vincent #B-446
3) API Well No. 47-033 - 02654 P

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 ___ or Underground storage ___) Deep ___ / Shallow X
- 5) Location: Elevation 1068' Watershed Tenmile Creek
District Sardis County Harrison Quadrangle Wallace
- 6) Well Operator Ross & Wharton Gas Co. Inc. 7) Designated Agent Mike Ross
Address 354 Morton Avenue Address P.O. Box 219
Buckhannon, WV 26201 Coalton, WV 26257
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name N/A
Address P.O. Box 2327 Address _____
Buckhannon, WV 26201

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

Free point and recover casing's & tubular's

6% Gel between plug's

- Set cement plug 3300' to ^{POTD ≈ 3795'} TD (3949') 100' above top perf ✓
- WOC 4 HRS, TAG PLUG, ADD CEMENT IF NEEDED.
- Set cement plug 2550' to 2750' oil show ✓
- Set 100' cement plug across casing cut, ✓
- Set cement plug 1700' to 1900' Big Lime ✓
- Set cement plug 1000' to 1200' elevation plug and 8 5/8 casing plug ✓

Set cement plug 150' to surface, groundwater protection plug, and surface plug. Tag plug's as necessary, Set monument with API number ✓

RECEIVED
Office of Oil and Gas
OCT 11 2019
WV Department of
Environmental Protection

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

Work order approved by inspector S. D. Ward Date 10/11/2019



IV-35
(Rev. 8-)

RECEIVED
SEP 29 1983

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Date November 24, 1981
Operator's
Well No. B-446
Farm George N. Vincent et ux
API No. 47 - 633 - 2854 Rev.

Revised

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

LOCATION: Elevation: 1068' Watershed Tennilw Creek
District: Sardis County Harrison Quadrangle Wallace 7.5

COMPANY J & J Enterprise Inc. & Berry Energy Consultants & Mgrs.
ADDRESS P.O. Box 5, Clarkburg, WVA. 26301
DESIGNATED AGENT Same
ADDRESS Same
SURFACE OWNER George N. Vincent et ux
ADDRESS Rt. 1, Box 100 A26, Lumberport, Wva
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
Box 232D Rt. 2 ADDRESS Jane Lew, Wva. 26378
PERMIT ISSUED October 6, 1981
DRILLING COMMENCED 11-17-81
DRILLING COMPLETED 11-23-81

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size <u>11-3/4</u> <u>20000'</u> Cord.	None	None	
<u>13-10"</u>			
<u>9 5/8"</u>			
<u>8 5/8"</u>	<u>1087'</u>	<u>1087'</u>	<u>To Surface</u>
<u>7"</u>			
<u>5 1/2"</u>			
<u>4 1/2"</u>	<u>3835'</u>	<u>3835'</u>	<u>245 Skts</u>
<u>3"</u>			<u>50/50 P02</u>
<u>2"</u>			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Benson Depth 4800 feet
Depth of completed well 3949 feet Rotary / Cable Tools _____
Water strata Depth: Fresh 260 feet; Salt None feet
Coal seam depths: 80-85 & 260-263 Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Balltown & Speechly Pay zone depth 3738-3428' feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 169,000 Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1100# psig (surface measurement) after 14 Days shut-in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

Hart 2654

FORM IV-35
(REVERSE)

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

Water Fraced: December 9, 1981

1st Stage Balltown: 10,000,80/100, 80,000, 20/40 - 827 Bbls. Water

2nd Stage Speechly: 10,000,80/100, 54,000, 20/40 - 720 Bbls. Water

Perforations: Balltown; 3738-3748 - 14 holes, .41

Speechly; 3402-3428 - 15 holes, .41

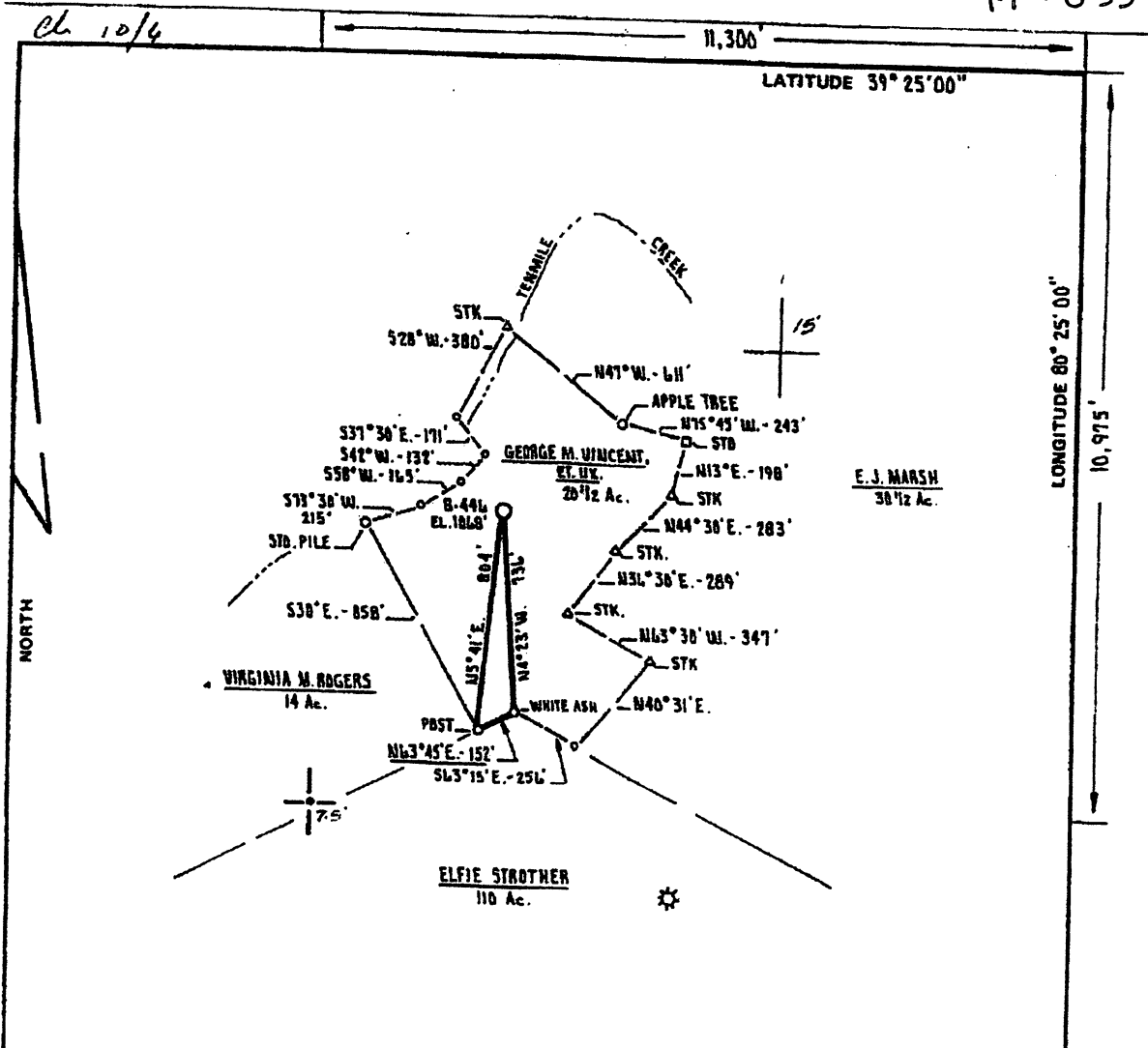
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	10	
Sand.			10	80	
Coal			80	85	
Sand			85	170	
Shale			170	200	
Sand			200	260	Water @ 260' - 1/2" "Stream
Coal			260	263	
Sand			263	460	
Shale			460	560	
Red Rock			560	935	
Sand & Shale			935	1685	Some Oil @ 2665'
Shale			1685	1780	
Big Lime			1780	1862	
Shale			1862	1870	
Big Injun			1870	1926	
Sand & Shale			1926	2393	
Fifty Foot			2393	2447	
Sand			2447	2458	
Thirty Foot			2458	2494	
Shale			2494	2522	
Gordon Stray			2522	2536	
Sand			2536	2554	
Gordon			2554	2624	
Shale			2624	2634	
Fourth Sand			2634	2660	
Sand			2660	2680	
Fifth Sand			2680	2718	
Sand & Shale			2718	3384	
Speechly			3384	3434	
Sand & Shale			3434	3640	
Balltown			3640	3768	
Brown Sand & Shale			3768	3949 TD	

(Attach separate sheets as necessary)

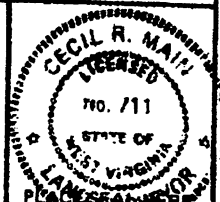
J. J. Enterprises
Well Operator
Berry Energy Consultants & Mgr's, Inc.
By: *W. J. Berry*
Date: 2-9-82 9-19-83
Revised

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INTERSECTION (20)
 ELEV: 993'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAY 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) Cecil R. Mann
 R.P.E. _____ L.L.S. 711



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



DATE SEPTEMBER 15, 19 81
 OPERATOR'S WELL NO. B-446
 API WELL NO. REVISED
47-033-2654-Rev.
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1068' WATER SHED TENMILE CREEK
 DISTRICT SARDIS COUNTY HARRISON
 QUADRANGLE WALLACE 1.5'
 SURFACE OWNER GEORGE M. VINCENT, ET. UX. ACREAGE 20.26 Ac.
 OIL & GAS ROYALTY OWNER GEORGE M. VINCENT, ET. UX. LEASE ACREAGE 20.26 Ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 BENSON ESTIMATED DEPTH 4800'
 WELL OPERATOR J. and J. ENTERPRISES, INC. DESIGNATED AGENT BEARY ENERGY CONSULTANTS AND MANAGERS, INC.
 ADDRESS BEARY ENERGY CONSULTANTS AND MANAGERS, INC. ADDRESS SUITE 309 PROFESSIONAL BUILDING
SUITE 309 PROFESSIONAL BUILDING, CLARKSBURG, W.V.A. 26301 CLARKSBURG, WEST VIRGINIA 26301

WW-4A
Revised 6-07

1) Date: October 2, 2019
2) Operator's Well Number
George Vincent #B-446

3) API Well No.: 47 - 033 - 02654 P

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>Thomas E. Wallace</u>	Name _____
Address <u>441 Fullen Farm Rd.</u>	Address _____
<u>Lumberport, WV - 26386 26386</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>N/A</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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.

RECEIVED
Office of Oil and Gas

OCT 11 2019

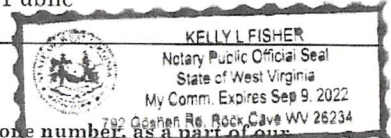
WV Department of Environmental Protection

Well Operator Ross & Wharton Gas Co. Inc
By: Mike Ross
Its: President
Address 354 Morton Ave.
Buckhannon, WV 26201
Telephone 304-472-4289

Subscribed and sworn before me this 2ND day of October, 2019
Kelly L Fisher Notary Public
My Commission Expires September 9, 2022

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



WW-9
(5/16)

API Number 47 - 033 - 02654 P
Operator's Well No. _____

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

Operator Name Ross & Wharton Gas Co. Inc. OP Code 306580
Watershed (HUC 10) Tenmile Creek Quadrangle Wallace

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

Will a pit be used? Yes No

WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFFSITE BY WVA

If so, please describe anticipated pit waste: _____

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 _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

SPW
10/11/2019

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-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 Mike Ross

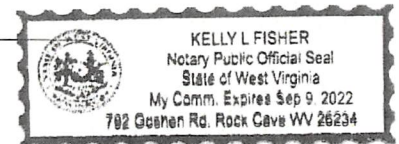
Company Official (Typed Name) Mike Ross

Company Official Title President

Subscribed and sworn before me this 2ND day of October, 2019

Kelly L. Fisher Notary Public

My commission expires September 9, 2022



Form WW-9

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Fescue	30	Fescue	30
Contractor's Mix		Contractor's Mix	
_____		_____	
_____		_____	

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: [Signature]

Comments: _____

Title: COG Inspector Date: 10/11/2019

Field Reviewed? () Yes (X) No

N/A

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

Operator Name: Ross & Wharton Gas Co. Inc.

Watershed (HUC 10): Tenmile Creek Quad: Wallace

Farm Name: _____

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

N/A

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Tenmile Creek

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

N/A

- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

WW-9- GPP
Rev. 5/16

Page _____ of _____
API Number 47 - 033 - 02654 P
Operator's Well No. _____

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No material will be used

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

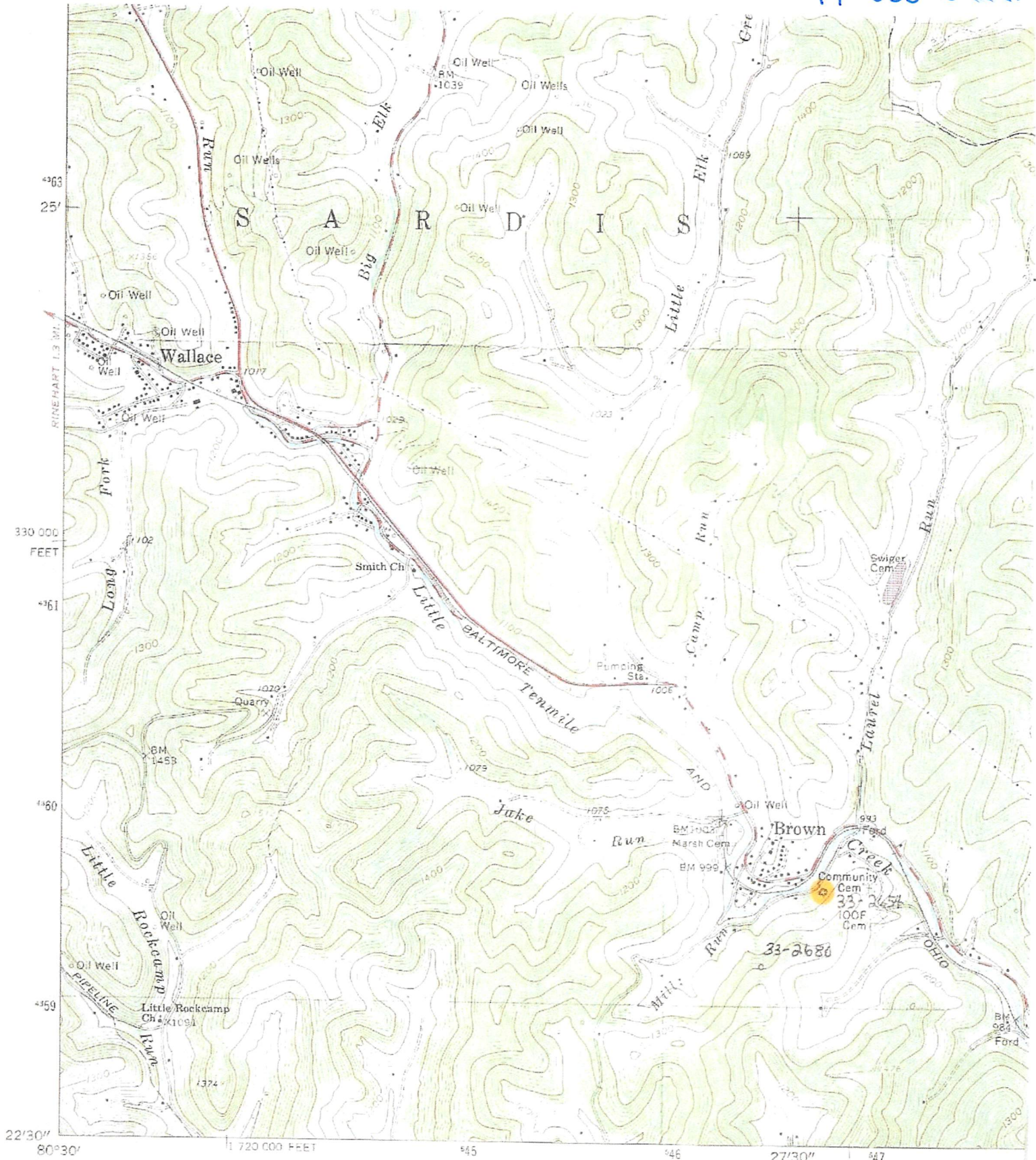
N/A

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

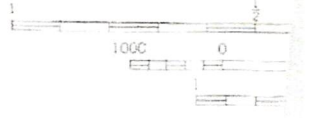
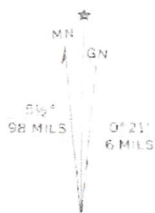
N/A

Signature: Mike Ross

Date: _____



Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS
 Topography by photogrammetric methods from aerial
 photographs taken 1957. Field checked 1960
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on West Virginia coordinate system,
 north zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 17, shown in blue



WW-7
8-30-06



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

API: 47-033-02654 WELL NO.: B-446

FARM NAME: George Vincent

RESPONSIBLE PARTY NAME: Mike Ross

COUNTY: Harrison DISTRICT: Sardis

QUADRANGLE: Wallace

SURFACE OWNER: Thomas E. Wallace

ROYALTY OWNER: George Vincent et. ux.

UTM GPS NORTHING: 4359832.8

UTM GPS EASTING: 546810.5 GPS ELEVATION: 1068'

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

Date

PAGE 1

GPS YES ___ NO ___

DATE STARTED/LOCATION:	4/10/2017	API #:	47-051-01955	WELL NO.	Heaven Hill 2- 10HM
DRILLING COMMENCED:	10/21/2017	OPERATOR:	Tug Hill Operating LLC		
TD DATE:	8/14/2018	DEPTH:	16,687 ft.	FARM:	Charles R. Hagedorn, Jr., ET UX
	See WR-35	COAL DEPTHS	See WR-35		

WATER DEPTHS

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT

POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.

1. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:

A. CONSTRUCTION YES NO ___ (2 PTS) B. DRILLING YES NO ___ (2 PTS) (4 PTS) 4

2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES NO ___ (4 PTS) (4 PTS) 4

3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES NO ___ (4 PTS) (4 PTS) 4

4. CONSTRUCTION:

WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?

A. ROAD DITCHES 1___2___3___4 (PTS) B. CROSS DRAINS 1___2___3___4___5 (PTS)

C. CULVERTS 1___2___3___4___5 (PTS) D. CREEK CROSSINGS 1___2___3___ (PTS) n/a

E. DIVERSION DITCHES 1___2___3 (PTS) F. BARRIERS 1___2___3 (PTS)

G. TEMPORARY SEEDING YES NO ___ (10 PTS) POINTS AVAILABLE FOR QUESTION 4: (33 PTS) 33

5. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES NO ___ (2 PTS) (2 PTS) 2

6. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES ___ NO ___ (9 PTS) n/a (9 PTS) 9

7. RECLAMATION:

A. ROADWAY 1___2___3 (PTS) B. LOCATION 1___2___3 (PTS)

C. PITS 1___2___3___ (PTS) n/a D. PIPELINES 1___2___3 (PTS)

E. TANK DIKES 1___2___3 (PTS) F. API INSTALLED YES NO ___ (3 PTS)

G. ADEQUATE SEEDING MATERIALS 1___2___3 (PTS)

H. WAS SEED BED ADEQUATE 1___2___3 (PTS) POINTS AVAILABLE FOR QUESTION 7: (24 PTS) 24

8. WAS RECLAMATION COMPLETED WITHIN:

A. CONVENTIONAL:

6 MTHS OF TD ___ 6 PTS ONLY; 4 MTHS OF TD ___ 12 PTS ONLY; 2 MTHS OF TD ___ 19 PTS ONLY.

B. HORIZONTAL:

3 YRS OF PAD COMPLETION 19 PTS ONLY; 4 YRS OF PAD COMPLETION ___ 16 PTS ONLY; 5 YRS OF PAD COMPLETION ___ 13 PTS ONLY

MAXIMUM POINTS AVAILABLE FOR QUESTION 8: (19 PTS) 19

TOTAL MAXIMUM POSSIBLE SCORE OF 99.

TOTAL RECLAMATION SCORE: 99

10/9/2019

Jim Nielsen