



west virginia department of environmental protection

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

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

June 12, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1501955, issued to TRIAD HUNTER, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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: 20695
Farm Name: BULLARD, ARLEY - HRS.
API Well Number: 47-1501955
Permit Type: Plugging
Date Issued: 06/12/2015

Promoting a healthy environment.

06/12/2015

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.

4701501955

WW-4A
Revised 6-07

1) Date: 1/20/2015
2) Operator's Well Number
R.P. Parker # 20695

3) API Well No.: 47 - 015 - 1955 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>Rodney Bullard</u>	Name <u>N/A</u>
Address <u>207 White Road</u>	Address _____
<u>Wallback, WV 25285</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Ed Gainer</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 821</u>	Name <u>N/A</u>
<u>Spencer, WV 25276</u>	Address _____
Telephone <u>(304) 389-7582</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.

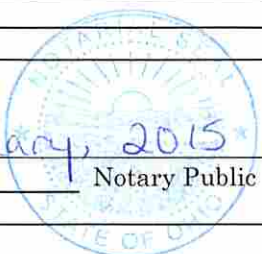
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 Triad Hunter, LLC
 By: Rocky Roberts
 Its: Senior V.P. Appalachian Operations
 Address 125 Putnam Street
Marietta, Ohio 45750
 Telephone (740) 374-2940

Received
Office of Oil & Gas
MAR 16 2015

Subscribed and sworn before me this 22nd day of January, 2015
Elizabeth R. Today Notary Public
 My Commission Expires 2-29-16

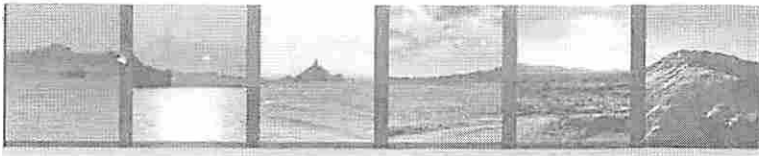


Oil and Gas Privacy Notice

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.

06/12/2015

4701501955



Rodney Bullard

15-1955P

R.P. Parker

20695

20696

21977

21980

21981

(5 Wells)

915 Greenbay Road
Morgantown, WV 26508
Toll Free 888.292.0001
Fax 304.292.0283



Expert Solutions.

www.morgantownprinting.com

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CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To: Rodney Bullard
 Street, Apt. No.,
 or PO Box No. 207 White Rd ✓
 City, State, ZIP+4
 Marlinton WV 25285

PS Form 3800, August 2006 See Reverse for Instructions

Postmark Here
 MAR 17 2005

06/12/2015

1) Date January 20, 2015
2) Operator's
Well No. R.P. Parker # 20695
3) API Well No. 47-015 - 1955 F

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

5) Location: Elevation 996' GL Watershed Summers Fork
District Henry County Clay Quadrangle Newton 512

6) Well Operator Triad Hunter, LLC 7) Designated Agent Kim Arnold
Address 125 Putnam Street Address P.O. Box 154
Marietta, Ohio 45750 Waverly, WV 26184

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Ed Gainer Name N/A
Address P.O. Box 821 Address _____
Spencer, WV 25276

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

150' - 200' Bottom hole plug in 4 1/2" casing. *Across perfor*

No Cut Plug - 4 1/2" casing cemented to surface!

100' - Elevation plug @ 1000' (inside 4 1/2" csg.).

No Surface Casing Plug!

150' - 200' Surface plug in 4 1/2" casing.

Note! 1. All cement plugs - Class A cement.

2. Gel spacers between all cement plugs.

3. No coal seams reported.

ERECT MONUMENT w/API #

GCS 6/10/15

Received
Office of Oil & Gas
MAR 16 2015

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

Work order approved by inspector  Date 3/9/15



4701501955

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date April 26, 1983
Operator's
Well No. 20695
Farm R. R. Lockhart
API No. 47 - 015 - 01955

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 995.83 Watershed Summers Fork
District: Henry County Clay Quadrangle Newton

COMPANY Columbia Gas Transmission Corporation

ADDRESS P. O. Box 1273, Charleston, WV 25325

DESIGNATED AGENT James L. Weekley

ADDRESS P. O. Box 1273, Charleston, WV 25325

SURFACE OWNER Arley Bullard

ADDRESS _____

MINERAL RIGHTS OWNER J. P. Wheeler

ADDRESS Box 173, Clay, WV 25150

OIL AND GAS INSPECTOR FOR THIS WORK Martin Nichols
ADDRESS Box 554 Clendenin, WV 25045

PERMIT ISSUED 5/28/81

DRILLING COMMENCED 9/5/81

DRILLING COMPLETED 9/10/81

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	397.67	397.67	150 Sacks
7			
5 1/2			
4 1/2	2009.77	2009.77	350 Sacks
3			
2			
Liners used			

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GEOLOGICAL TARGET FORMATION Big Injun Depth 2000 feet

Depth of completed well 2020 feet Rotary X / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours 08/2/2015

Static rock pressure _____ psig (surface measurement) after _____ hours 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

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

4701501955

Perforated 10/12/81 from 1911-1931' with one hole.

Acidized 10/12/81 with 500 gallons 15% Hcl.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Slate & Silt			0	178	
Sand			178	326	
Silt			326	366	
Sand			366	528	
Slate			528	552	
Sand			552	576	
Slate			576	656	
Silt & Sand			656	758	
Slate			758	824	
Sand			824	852	
Slate			852	918	
Sand & Slate			918	1000	
Slate			1000	1110	
Salt Sand			1110	1170	Salt Water
Salt Sand			1220	1450	
Salt Sand			1480	1650	
Little Lime			1730	1770	
Big Lime			1810	1900	
Big Injun			1900	1934	
DTD				2020	
LTD				2024	

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Office of Oil & Gas
MAR 16 2015

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

Well Operator

By:

J. Weckley

06/12/2015

Date:

5-31-83

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."

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

4701501955

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Triad Hunter, LLC OP Code 4944494833

Watershed Summers Fork Quadrangle Newton

Elevation 996' GL County Clay District Henry

Description of anticipated Pit Waste: oil, saltwater, and freshwater

Will a synthetic liner be used in the pit? "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 Fluids collected in surface tank and hauled to Ovapa Injection Facility.)

Proposed Work For Which Pit Will Be Used:

- Drilling Swabbing
- Workover Plugging
- Other (Explain _____)

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 [Signature]

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior V.P. Appalachian Operations

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Office of Oil & Gas
MAR 16 2015

Subscribed and sworn before me this 22nd day of January, 2015

Elizabeth R. Tebay
Notary Public

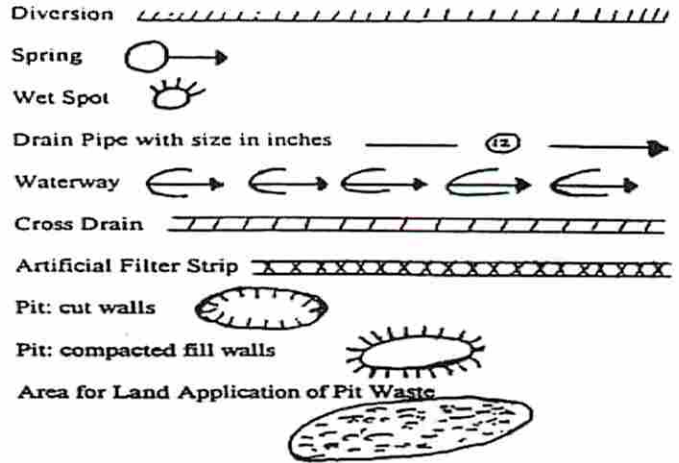
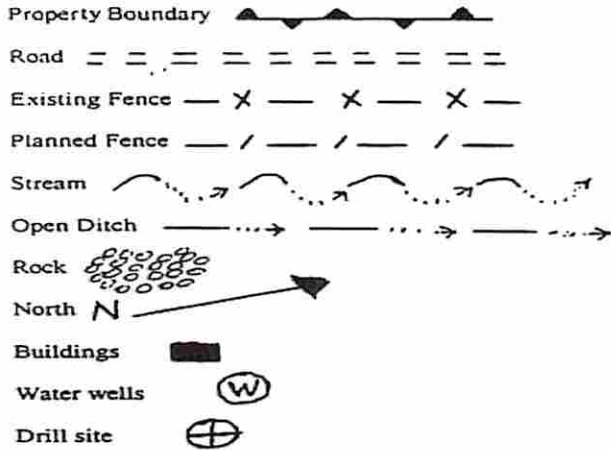


ELIZABETH R. TEBAY
NOTARY PUBLIC
In and For The State of Ohio
My Commission Expires
2-29-16

My commission expires 2-29-16

4701501955

LEGEND



Proposed Revegetation Treatment: Acres Disturbed one (1) Prevegetation pH 5.5
 Lime Two (2) Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)
 Mulch (50 bales) 2.5 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Orchard Grass	30%		
Rye (Annual & BT)	35%		
Timothy (Climax)	25%		
Clover (Med. Red)	10%		

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: Inspector

Date: 3/9/15

Field Reviewed? () Yes

() Yes

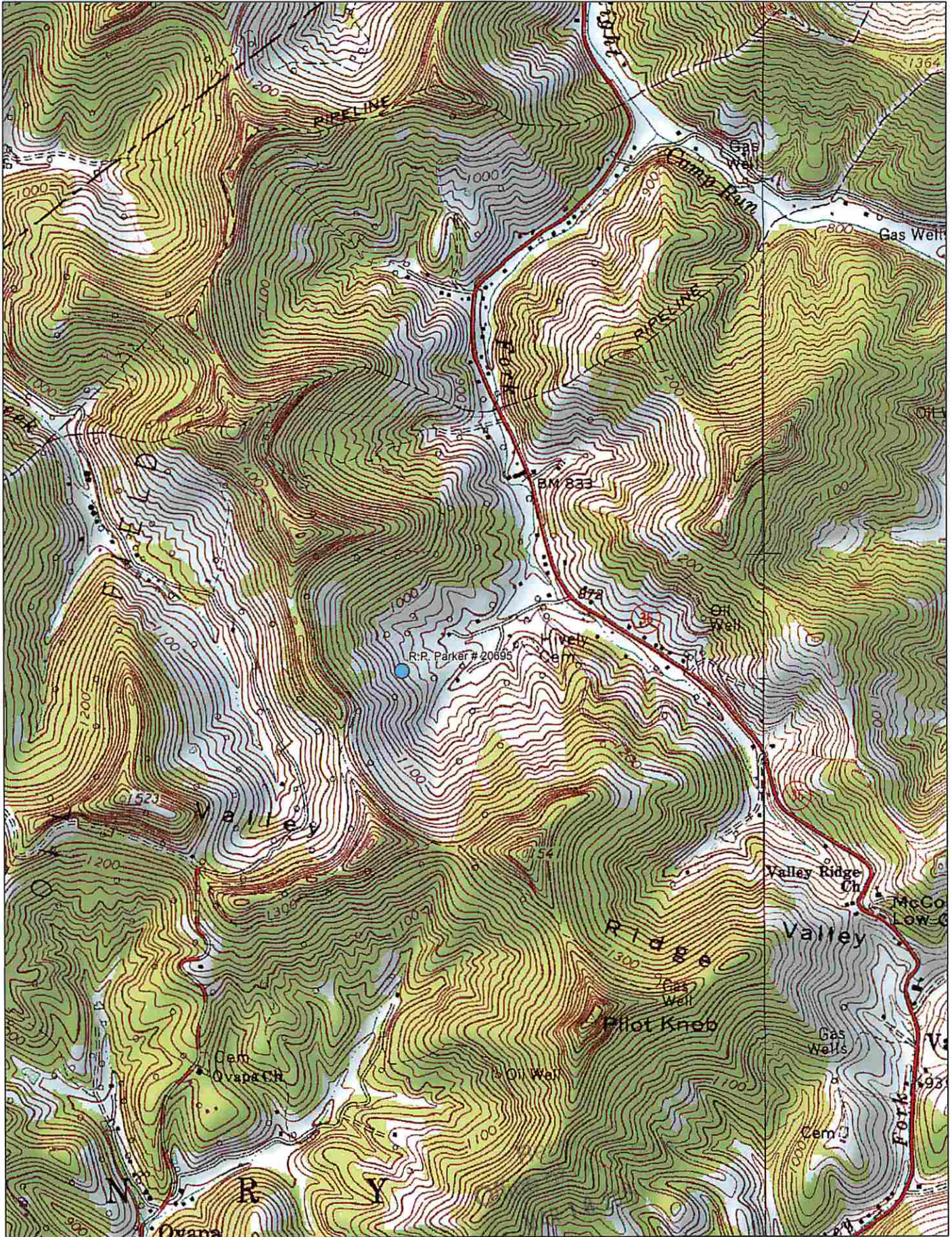
(X) No

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Office of Oil & Gas
MAR 16 2015

47 01 50 19 55

15-1955P

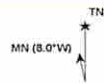
XMap® 7



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06/12/2015

88

Latitude 38° 32' 30"

4,050'

47 01 50 19 55

1.25'

R. R. LOCKHART (MINERAL)
ARLEY BULLARD (SURFACE)

IRON FENCE POST

SHED HOUSE SHED HOUSE HOUSE HOUSE
BARN 20430 20426 20425 20431

20695-P.I.

568° 55' W - 1,236'
568° 30' W - 2,094'

N 67° 54' E - 858'

N 1° 30' W - 606'

WALNUT SNAG IN FENCE CORNER

PINE IN FENCE CORNER 30' WEST OF RIDGE

531° 00' E - 158'
STAKE ON RIDGE SMALL PINE WITNESS

20309

20415

O. T. WHITE (SURFACE)

R. P. PARKER (MINERAL)
B. BULLARD (SURFACE)

C. C. SUTTON (SURFACE)

Longitude 81° 07' 30"

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Office of Oil & Gas
MAR 16 2015

BENCH MARK

U.S. GOVERNMENT BENCH MARK
JEA-1963 - TOP CONCRETE ABUTMENT
EAST SIDE W.VA. RT. 36 ELEV. 833'

"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 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

LAND SURVEYOR
REG. N^o 16236-E (PA.)

Signed *[Signature]*

- WATER INJECTION
- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill / Fracture

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm R. R. LOCKHART
 Lease PT 5708 Acres 142.60^a
 Well Farm No. _____ Ser. No. 20695-P.I.
 Elevation - Spirit Level 995.83'
 Quadrangle NEWTON
 Township or District HENRY
 County CLAY
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT: 38° 32' 17" LONG: 81° 08' 21"
 File No. 88-71 Dwg. No. _____
 Date 12-2-80 Scale 1" = 400'

COLUMBIA GAS SYSTEM
 COLUMBIA GAS TRANSMISSION CORPORATION
 WELL LOCATION MAP
 STATE OF WEST VIRGINIA
 (1) Denotes Values of Well On United States Topographic Maps
 Scale 15' 7-1/2'

06/12/2015



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

API: 47-015-01955P WELL NO.: 20695

FARM NAME: R.P. Parker

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Clay DISTRICT: Henry

QUADRANGLE: Newton

SURFACE OWNER: Rodney Bullard

ROYALTY OWNER: Black Stone Minerals LLP

UTM GPS NORTHING: 4265541

UTM GPS EASTING: 487878 GPS ELEVATION: 1000

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.

Don Smith
Signature

Geologist
Title

3/17/15
Date

RECEIVED
Office of Oil and Gas
Mar 26 2015
3/17/15
West Virginia Department of Environmental Protection

B

Operator: TRIAD HUNTER, LLC

API: 1501955

WELL No: 20695

Reviewed by: GCS Date: 6/10/15

45 Day End of Comment: 3/24/15

CHECKLIST FOR FILING A PERMIT

Plugging

- WW-4B
- Inspector signature on WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee /Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- ~~\$100.00~~ check (\$0.00 if no pit)