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 penalities 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.

4701501955

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 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name: Rodney Bullard
Address: 207 White Road
Wallback, WV 25285

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: Ed Gainer
Address: P.O. Box 821
Spencer, WV 25276
Telephone: (304) 389-7582

5) (a) Coal Operator
Name: N/A
Address:

(b) Coal Owner(s) with Declaration
Name: N/A
Address:

Name:
Address:

(c) Coal Lessee with Declaration
Name: N/A
Address:

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 & Gas
MAR 16 2015

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

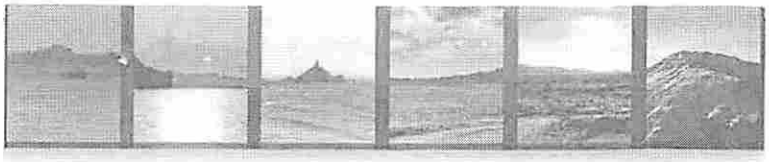
Subscribed and sworn before me this 22nd day of January, 2015
Elizabeth R. Tebay
Notary Public
My Commission Expires 2-29-16

ELIZABETH R. TEBAY
NOTARY PUBLIC
In and For The State of Ohio
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.

4701501955



Rodney Bullard

15-1955P

R.P. Parker

#20695

#20696

#21977

#21980

#21981

(5 Wells)

7014 0150 0000 9042 1309

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

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OFFICIAL USE

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

Postmark Here

MAR 11 2015 USPS

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

PS Form 3800, August 2006 See Reverse for Instructions

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

MRB
Expert Solutions.
www.morgantownprinting.com

803 Quarrier St, Suite 310
Charleston, WV 25301
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Fax 304.345.0644

4701501955

WW-4B
Rev. 2/01

1) Date January 20, 2015
2) Operator's Well No. 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

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 2 County Clay Quadrangle Newton 512

6) Well Operator Triad Hunter, LLC
Address 125 Putnam Street
Marietta, Ohio 45750

7) Designated Agent Kim Arnold
Address P.O. Box 154
Waverly, WV 26184

8) Oil and Gas Inspector to be notified
Name Ed Gainer
Address P.O. Box 821
Spencer, WV 25276

9) Plugging Contractor
Name N/A
Address

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 perfs

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.

Received
Office of Oil & Gas
MAR 16 2015

ERECT MONUMENT w/API # GCS 6/10/15

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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MAR 16 2015

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
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

FORM IV-35
(REVERSE)

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. E. Weekley

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."

WW-9
Rev. 5/08

API Number 47 - 015 - 1955 P
Operator's Well No. R.P. Parker # 20695

4701501955

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 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 Dispposal (Supply form WW-9 for disposal location)
X 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

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior V.P. Appalachian Operations

Received
Office of Oil & Gas
MAR 16 2015

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

Elizabeth R. Tebay Notory 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

Form WW-9

15-1955P

Operator's Well No. R.P. Parker # 20695

4701501955

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
Buildings
Water wells W
Drill site

Diversion
Spring
Wet Spot
Drain Pipe with size in inches 12
Waterway
Cross Drain
Artificial Filter Strip
Pit: cut walls
Pit: compacted fill walls
Area for Land Application of Pit Waste

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

Area I Seed Type	lbs/acre	Area II Seed Type	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.

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Office of Oil & Gas
MAR 16 2015

Plan Approved by:

Comments:

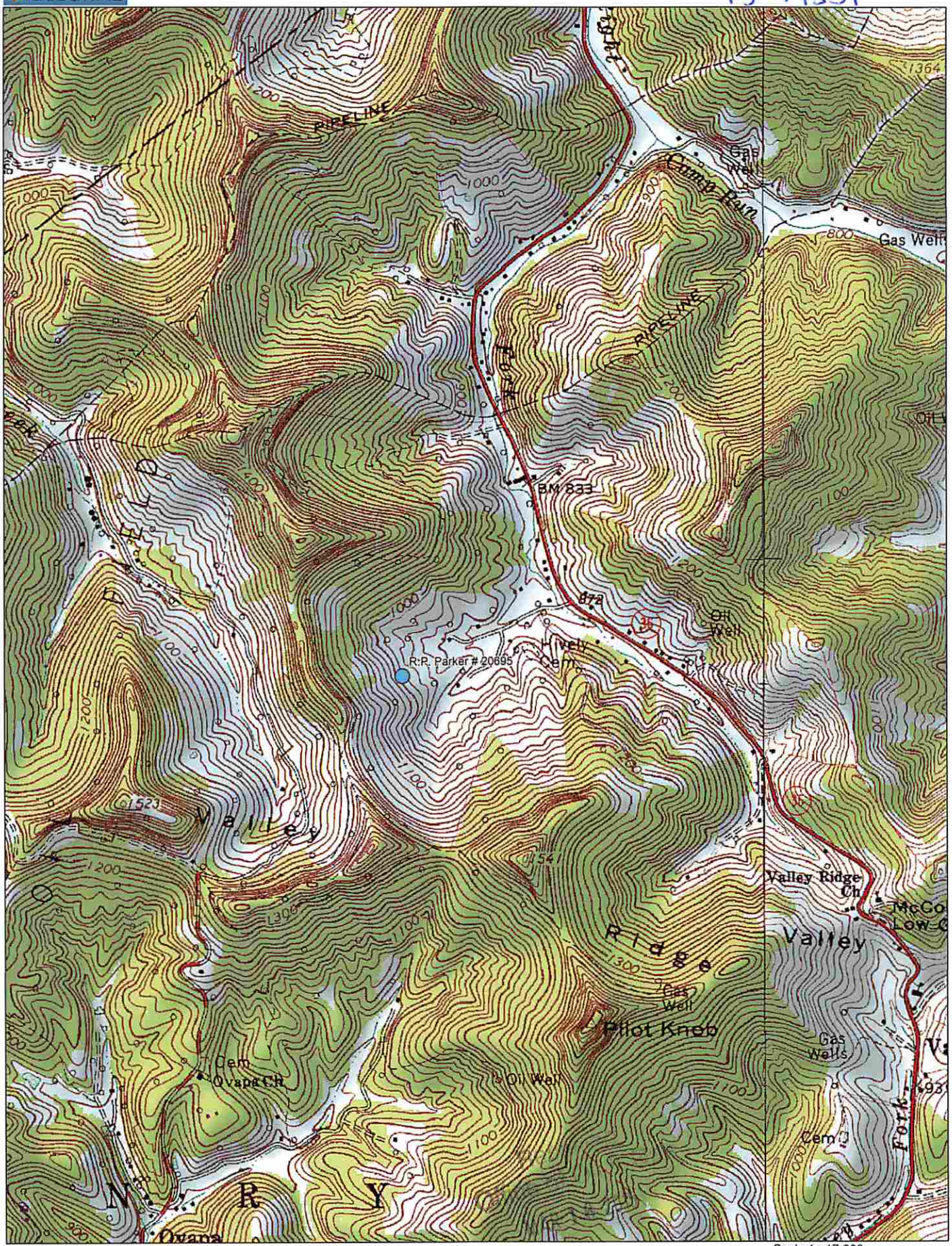
Title: Inspector Date: 3/9/15

Field Reviewed? (_____) Yes (X) No

4701501955

15-1955P

DELORME XMap® 7



Data use subject to license.

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www.delorme.com

TN

MN (8.0°W)

Scale 1 : 17,600

1" = 1,466.7 ft

Data Zoom 13-5

88

4,050'

Latitude 38° 32' 30"

4701501955

1,250'

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

IRON FENCE POST

SHED

SHED

HOUSE

HOUSE

HOUSE

20695-P.I.

S68°55'W-1,236'

S68°30'W-2,094'

N1°30'W-606'

20420

FARM MAP X

BARN

20430

PINE IN FENCE CORNER 30' WEST OF RIDGE

N67°54'E-858'

20426

WALNUT SNAG IN FENCE CORNER

20425

S31°00'E-158'

STAKE ON RIDGE-SMALL PINE WITNESS

20431

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

20309

C.C. SUTTON
(SURFACE)

Longitude 81°07'30"

20415

O.T. WHITE
(SURFACE)

Received
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. Nº 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 ~~RF 5708~~ 20206 Acres ~~2,000 a~~ 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

(+) Denotes Values of Well On United States Topographic Maps

Scale 15' ☐ 7½' ☒

WW-7
8-30-06

4701501955

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

API: 47-015-01955 P **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 X : Post Processed Differential X

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.

RECEIVED
Office of Oil and Gas
MAR 2 6 2015
WV Department of
Environmental Protection

Signature	Title	Date
[signature]	Geologist	3/17/15

Operator: TRIAD HUNTER, LLC

API: 1501955

WELL No: 20695

Reviewed by: GCS Date: 6/10/15

15 Day End of Comment: 3/24/15

CHECKLIST FOR FILING A PERMIT

Plugging

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

OR

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