



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 17, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8702941, 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: P.A. TALLMAN 60
Farm Name: PENNZOIL PRODUCTS CO.
API Well Number: 47-8702941
Permit Type: Plugging
Date Issued: 06/17/2015

Promoting a healthy environment.

06/19/2015

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 January 20, 2015
2) Operator's
Well No. P.A. Tallman # 60
3) API Well No. 47-087 - 2941

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 1189' GL Watershed Trace Fork
District Smithfield County Roane Quadrangle Tariff

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 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:
Pump / set 50 sack Class A bottom hole plug from 2230' - 2000'.
Pump / set 50 sack Class A plug across salt sand perforations from 1980' - 1730'.
Cut 7" csg. @ 800', set 55 sack Class A cut plug from 770' - 620', pull 7" csg. OOH.
Pump / set 40 sack Class A cement plug from 450' - 350' (Base 9 5/8" csg.).
Pump / set surface plug from 150' to surface with Class A cement.

- Note! 1. All cement plugs - Class A cement.
2. Gel spacers between all cement plugs.
3. No coal seams reported.

EXECUT MONUMENT W/API # GCS 6/16/15

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

Work order approved by inspector _____



Date _____

3/25/15

WW-4B

N/A

API No.	<u>47-087-2941</u>
Farm Name	<u>P.A. Tallman</u>
Well No.	<u>60</u>

**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 ____/ 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: _____

By: _____

Its _____

06/19/2015



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Tariff 7.5'
Permit No. Roa-2941

Company <u>Pennzoil Company</u>	26101	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 1588, Parkersburg, WV</u>					
Farm <u>P. A. Tallman</u> Acres <u>2350</u>					
Location (waters) <u>Trace Fork</u>					
Well No. <u>60</u> Elev. <u>1189.12'</u>		Size <u>20-16</u>			
District <u>Smithfield</u> County <u>Roane</u>		Cond. <u>13-10"</u>			
The surface of tract is owned in fee by <u>Doyle Jones</u>		<u>9 5/8</u>	<u>397</u>	<u>397</u>	<u>190 sks.</u>
Address <u>Left Hand, WV</u>		<u>8 5/8</u>			
Mineral rights are owned by <u>Anna Lee Collins</u>		<u>7</u>	<u>2279</u>	<u>2279</u>	<u>175 sks.</u>
Address <u>1009 Main St., Pt. Pleasant,</u>		<u>5 1/2</u>			
Drilling Commenced <u>8-19-78</u> WV		<u>4 1/2</u>			
Drilling Completed <u>8-25-78</u>		<u>3</u>			
Initial open flow _____ cu. ft. _____ bbls.		<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.		Liners Used			
Well open _____ hrs. before test _____ RP.					

Well treatment details:

Attach copy of cementing record.

Fractured: 9-19-78 & 10-2-78

Salt Sand (Upper Section) w/980BW, 38,000# 20/40 sd., 1200 Gal. 15% HCL

Salt Sand (Lower Section) w/1142 BW, 53,700# 20/40 sd., 1200 Gal. 15% HCL

Water Producing Well

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale				88		
Siltstone			88	128		
Shale			128	154		
Sand			154	164		
Shale			164	228		
Sand			228	240		
Shale			240	264		
Sand			264	306		
Shale			306	406		
Siltstone			406	450		
Shale			450	466		
Siltstone			466	528		
Sand			528	550		
Shale & Silt			550	674		
Shale			674	766		
Siltstone			766	782		
Shale			782	836		
Sand			836	970		
Shale			970	978		
Sand			978	990		
Shale			990	1042		
Sand			1042	1064		
Shale			1064	1078		

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Department of
Environmental Protection

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			1078	1182		
Shale			1182	1232		
Sand			1232	1258		
Shale			1258	1268		
Sand			1268	1290		
Shale			1290	1304		
Sand			1304	1342		
Shale			1342	1354		
Siltstone			1354	1376		
Sand			1376	1398		
Shale			1398	1404		
Sand			1404	1430		
Shale			1430	1466		
Sand			1446	1484		
Shale			1484	1534		
Sand			1534	1558		
Shale			1558	1710		
Sand			1710	1846		
Shale			1846	1862		
Sand			1862	1874		
Shale			1874	1878		
Sand			1878	1892		
Shale			1892	1906		
Sand			1906	1922		
Shale			1922	1932		
Sand			1932	1986		
Shale			1986	2002		
Sand			2002	2020		
Shale			2020	2040		
Little Lime			2040	2072		
Pencil Cave			2072	2090		
Big Lime			2090	2132		
Loyalhanna			2132	2198		
Big Injun			2198	2228		
Shale			2228	2295		
Total Depth				2295		
Plug Back Depth				2252		

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06/19/2015

Date March 27, 19 79

APPROVED PENNZOIL COMPANY (Owner)

By Justin A. Lewis
(Title)

1) Date: 1/20/2015
2) Operator's Well Number
P.A. Tallman # 60
3) API Well No.: 47 - 087 - 2941 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>Triad Hunter, LLC</u>	Name <u>N/A</u>
Address <u>125 Putnam Street</u>	Address _____
<u>Marietta, Ohio 45750</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

Subscribed and sworn before me this 22nd day of January, 2015
Elizabeth R. Terry 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.

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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 Trace Fork Quadrangle Tariff

Elevation 1189' GL County Roane District Smithfield

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
- 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 [Signature]

Company Official (Typed Name) Rocky Roberts

Company Official Title Senior V.P. Appalachian Operations

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

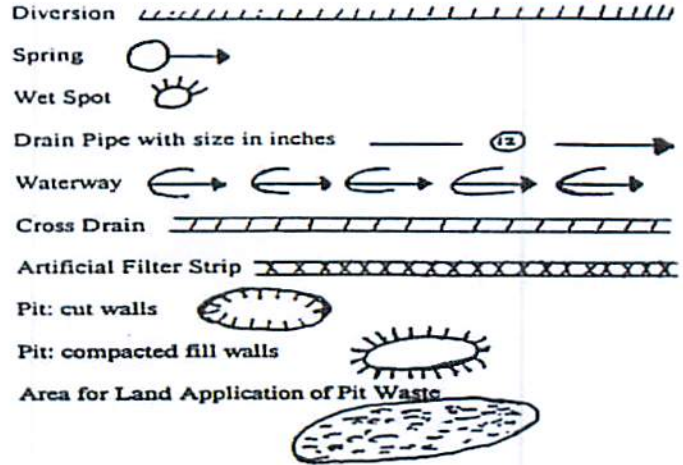
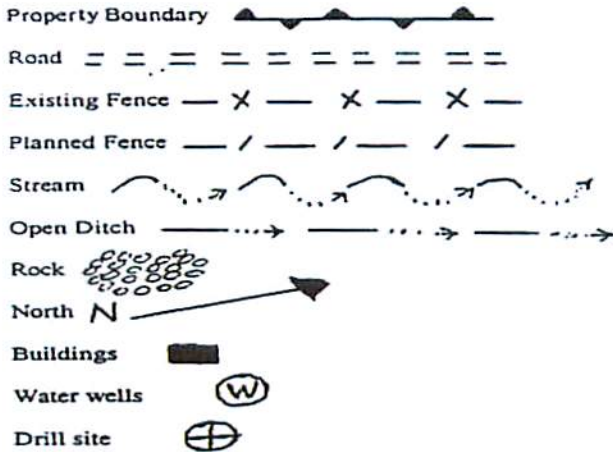
Elizabeth R. Teray

Notary Public
ELIZABETH R. TERAY
NOTARY PUBLIC
In and For the State of Ohio
My Commission Expires
2-29-16

My commission expires 2-29-16

87-2041P

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

(X) No



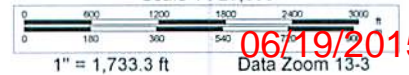
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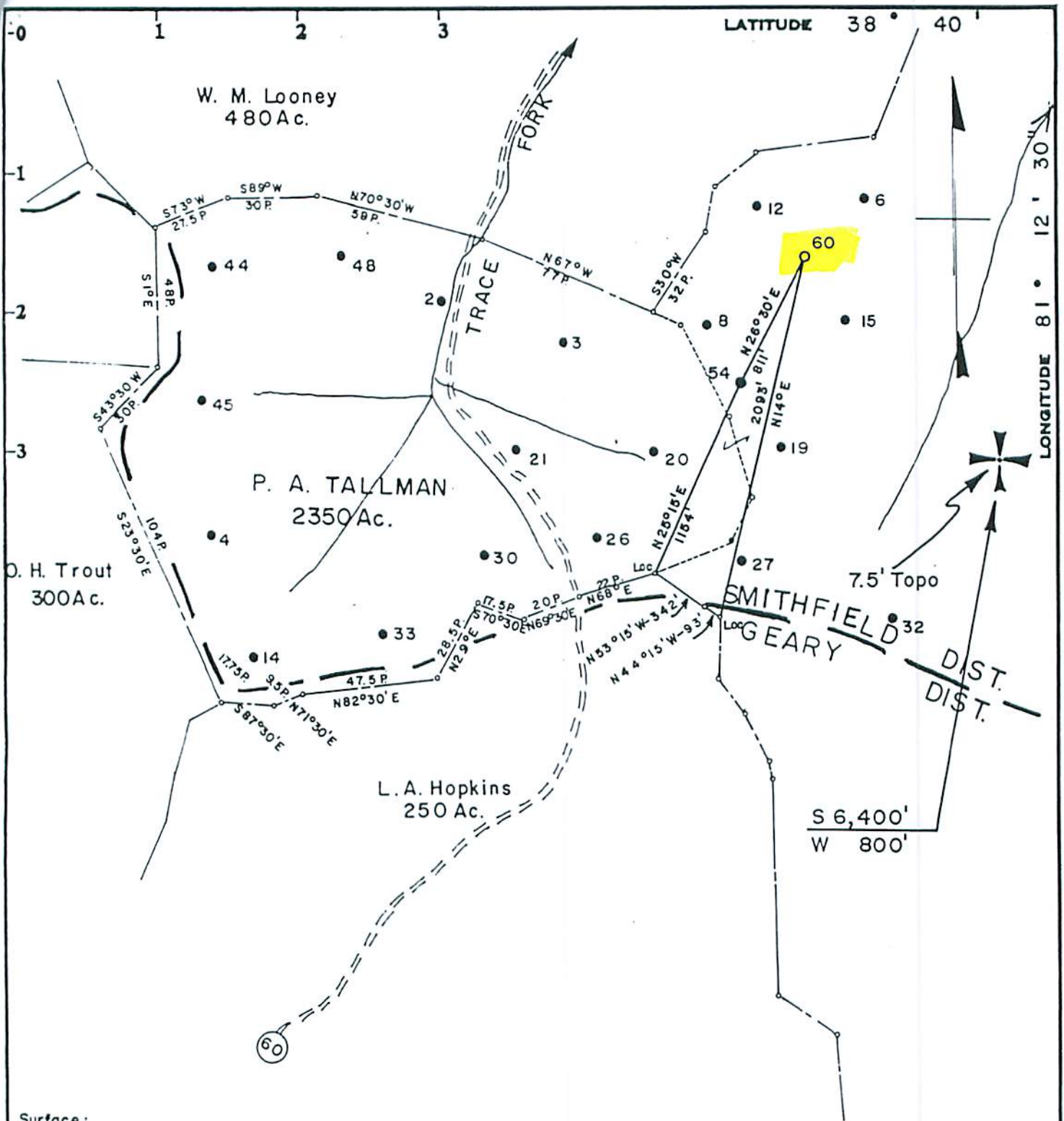
www.delorme.com



Scale 1 : 20,800



06/19/2015



Surface:
Doyle Jones
Left Hand, W.Va.

Minimum Error of Closure 1 in 200
Source of Elevation P.A. Tallman #54, elevation ~~1006.68~~ 1136.62 Gr.

Convert to Water Injection

Fracture.....
New Location.....
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.

Signed: *Curtis A. Lucas*

Map No. 72 Squares: N 55 E W 35

Company	PENNZOIL COMPANY	
Address	P. O. Box 1588, Parkersburg, W. Va. 26101	
Farm	P. A. TALLMAN	
Tract	Acres	2350 Lease No. 81216-50
Well (Farm) No.	60	Serial No.
Elevation (Spirit Level)	1062.55	1189.12
Quadrangle	TARIFF 7 1/2'	
County	ROANE	District SMITHFIELD
Surveyor	CURTIS A. LUCAS	
Surveyor's Registration No.	275	
File No.	1344	Drawing No.
Date	8-15-78	Scale 1" = 800'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WV Department of Environmental Protection

WELL LOCATION MAP

FILE NO. 06/19/2015

+ 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.



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

API: 47-087-2941 P WELL NO.: 60

FARM NAME: P.A. Tallman

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Roane DISTRICT: Smithfield

QUADRANGLE: Tariff

SURFACE OWNER: Triad Hunter, LLC

ROYALTY OWNER: TUW Anna Lee Collins

UTM GPS NORTHING: 4277856

UTM GPS EASTING: 481638 GPS ELEVATION: 1204'

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.

Ben Smith
Signature

Geologist
Title

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3/30/15
Date
APR 02 2015

Operator: TRIAD HUNTER, LLC
API: 8702941
WELL No: P.A. TALLMAN 60
Reviewed by: GCS Date: 6/16/15
15 Day End of Comment: 04/07/15

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

*TRIAD Hunter is the
Surface Owner*

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)