



**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

February 28, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1501643, 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: O.D. STOCKL #211  
Farm Name: O'DELL, DOUGLAS  
**API Well Number: 47-1501643**  
**Permit Type: Plugging**  
Date Issued: 02/28/2014

Promoting a healthy environment.

02/28/2014

## 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

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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.

WW-4B  
Rev. 2/01

1) Date January 30, 2014  
2) Operator's  
Well No. O.D. Stockly # 211  
3) API Well No. 47-015 - 01643

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 X

5) Location: Elevation 1202' GPS Watershed Grannys Creek  
District Henry 02 County Clay 15 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, W.V. 26184

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

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

(SEE ATTACHED SHEET)

See changes!  
6" gel between all plugs

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

Work order approved by inspector

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02/20/2014



( 2014 )

Plugging Procedure Attachment ( Wells with 8 5/8" Casing )

Well Name : O.D. Stockly # 211

Permit Number: 47-015-01643

District: Henry

County: Clay

MIIRU service rig and flowback tank; blow well down.

1. Pull tubing and rods OOH.
2. Check total depth with sandpump; clean out hole below bottom perforation.
3. Run 2 3/8" tubing below bottom perforation.
4. ( Bottom Hole Plug ) Mix/Pump 20 sacks Class A cement,( 23.6 cu. ft.), ¼ lb.flocele/sk., no CaCl. (2165'-1965')
5. Displace cement through tubing with gel water.
6. Pull 2 3/8" tubing OOH.
7. RIH with casing cutter tool, check depth of 1<sup>st</sup> plug and find 4 ½" cement top ( free pipe ).
8. Cut-off 4 ½" casing just above the cement top, break circulation, and pull one jt. of casing OOH.
9. ( Cut Plug ) Mix/Pump 30 sacks Class A cement, (35.4 cu. ft.), ¼ lb. flocele/sk.,no CaCl.
10. Displace cement through casing with gel water.
11. Pull 4 ½" casing up to the subsea elevation depth.
12. ( Elevation Plug ) Mix/Pump 30 sacks of Class A cement,( 35.4 cu. ft.), ¼ lb. flocele/sk., no CaCl.
13. Displace cement through casing with gel water.
14. Pull 4 ½" casing to 100 feet below surface. *100 ft plug across bottom of surface esp. 420-320*
15. ( Surface Plug ) Mix/Pump 30 sacks of Class A cement,( 35.4 cu. ft.), ¼ lb. flocele/sk., no CaCl.
16. Circulate cement to surface.
17. Pull remaining joints of 4 ½" casing OOH. Top load annulus with Class A cement to surface.
18. Weld a three foot monument pipe on to the existing casing. Fill monument pipe with cement and attach identification plate to monument pipe.
19. RDMO service rig and supporting equipment.
20. Reclaim well site and lease road.

13a →

Plug Summary

( Plug Name )	( Thickness )	( Cement Type )	( Sacks )	( Cubic Feet )
1. Bottom Hole	250 ft.	Class A	20	23.6 <i>~(2165' - 1965')</i>
2. Cut Plug	100 ft.	Class A	30	35.4
3. Elevation Plug	100 ft.	Class A	30	35.4 <i>1123' - 1223'</i>
4. Surface Plug	100 ft.	Class A	30	35.4
5. Totals:			<b>110 sacks</b>	<b>129.8 cu. ft.</b>

15a →

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1501643 P

OG-10  
Rev. - 9-71



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division  
WELL RECORD

Rotary \_\_\_\_\_ Oil X  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood X Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Newton 7.5'  
Permit No. 015-1643

Company Pennzoil Company  
Address P.O. Box 1588, Parkersburg, WV 26101  
Farm O. D. Stockly Acres 4000  
Location (waters) Granny's Creek  
Well No. 211 Elev. 1173.01'  
District Henry County Clay  
The surface of tract is owned in fee by \_\_\_\_\_  
O. T. White  
Address Ovapa, WV 25150  
Mineral rights are owned by Daniel Kahan  
Address P.O. Box 559, Tulsa, Okla.  
Drilling Commenced 8-18-79  
Drilling Completed 8-22-79  
Initial open flow WIW cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	368	368	215 sks.
7			
5 1/2			
4 1/2	2165	2165	150 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured: 11/13/79

w/250 gals. 15% HCL, 140 BW, 1000# 20/40

Perf: 2087-2097-10H

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
Sand & Shale			0	268		
Shale			268	332		
Sand			332	482		
Shale & Sand			482	1896		
Little Lime			1896	1928		
Blue Monday			1928	1974		
Big Lime			1974	2014		
Loyalhanna			2014	2076		
Keener			2076	2082		
Pocono <u>Injun</u>			2082	2106		
Shale			2106	2140		
Squaw			2140	2170		
Total Depth				2170		

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# NL McCullough

BOND CEMENT AND/OR SONIC SEISMOGRAM LOG  
 GAMMA RAY

FILING NO.

HBC-GR-SS-99331

PENNZOIL CO.  
 PETROLEUM ENGR. DEPT.  
 FILE COPY

COMPANY PENNZOIL COMPANY

WELL O.D. STOCKLEY #211

FIELD HENRY DISTRICT

COUNTY CLAY STATE WEST VIRGINIA

LOCATION

GRANNY'S CREEK NEWTON 7.5'  
 QUAD. PERMIT No. 047-015-1643

OTHER SERVICES:

SEC. TWP. RGE.

PERMANENT DATUM GL ELEV. 1173.01'

LOG MEASURED FROM KB

DRILLING MEASURED FROM RKB

ELEVATIONS:  
 KB 1181.01'  
 DF 1180.01'  
 GL 1173.01'

DATE 8-28-79

RUN NO. ONE

TYPE LOG BOND CEMENT-GAMMA RAY-SONIC SEISMOGRAM

DEPTH-DRILLER 2170'

DEPTH-LOGGER 2144'

BOTTOM LOGGED INTERVAL 2140'

TOP LOGGED INTERVAL 1050'

TYPE FLUID IN HOLE WATER

SALINITY PPM CL.

DENSITY LB./GAL.

LEVEL 50'

MAX. REC. TEMP. DEG. F.

OPR. RIG TIME

RECORDED BY SMITH

WITNESSED BY MR. McCOWN

RUN BORE HOLE RECORD CASING RECORD

RUN NO.	BORE HOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1				8-5/8"		0	1890'
	7-7/8"	370'	1890'	4-1/2"		0	TD
	6-1/4"	1890'	2170'				

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33 (A)

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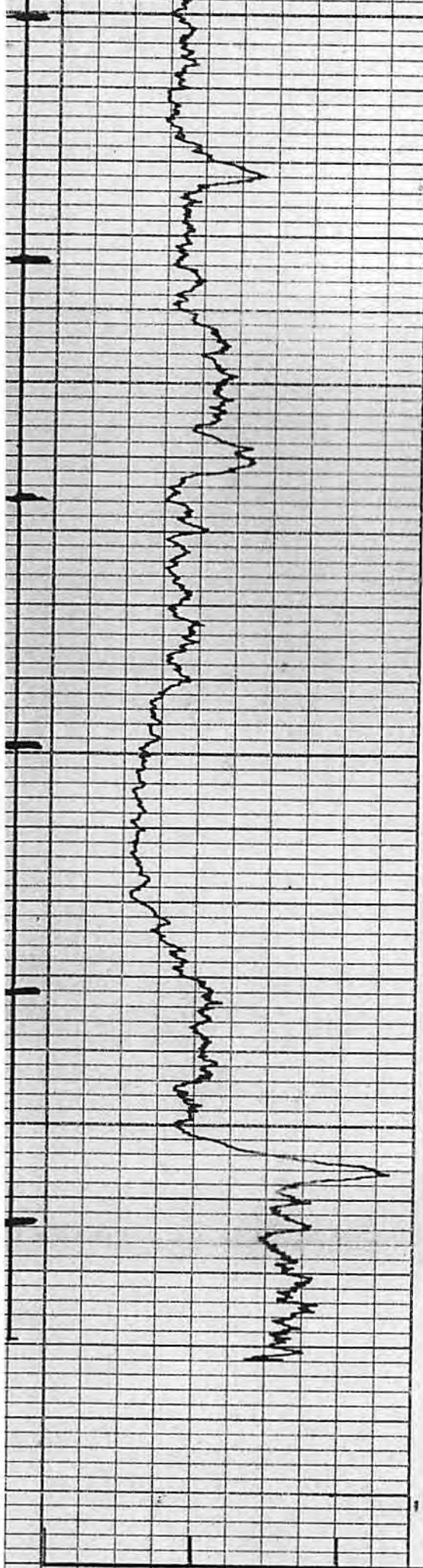
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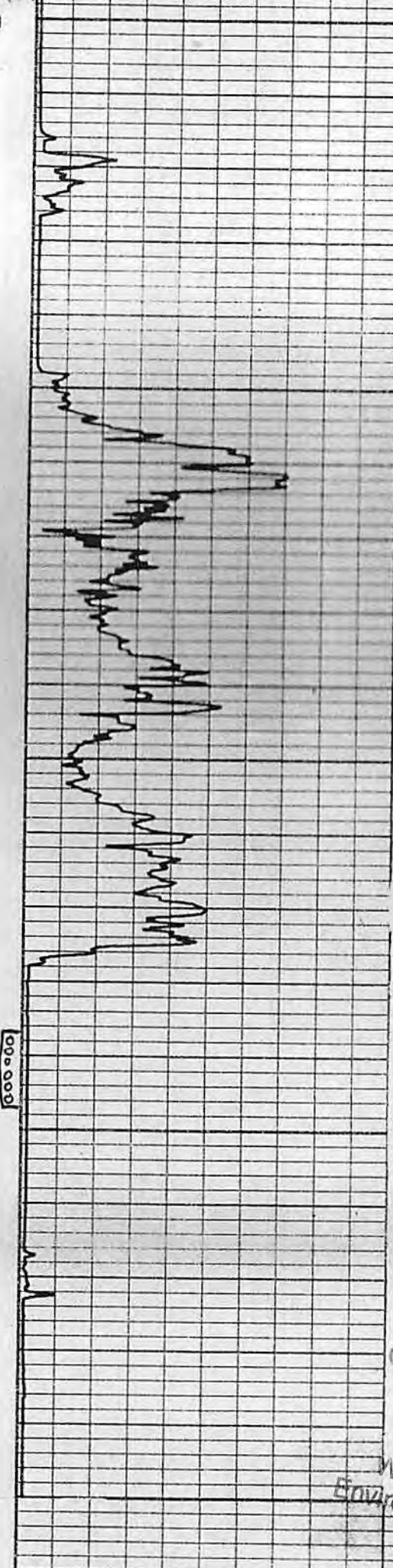
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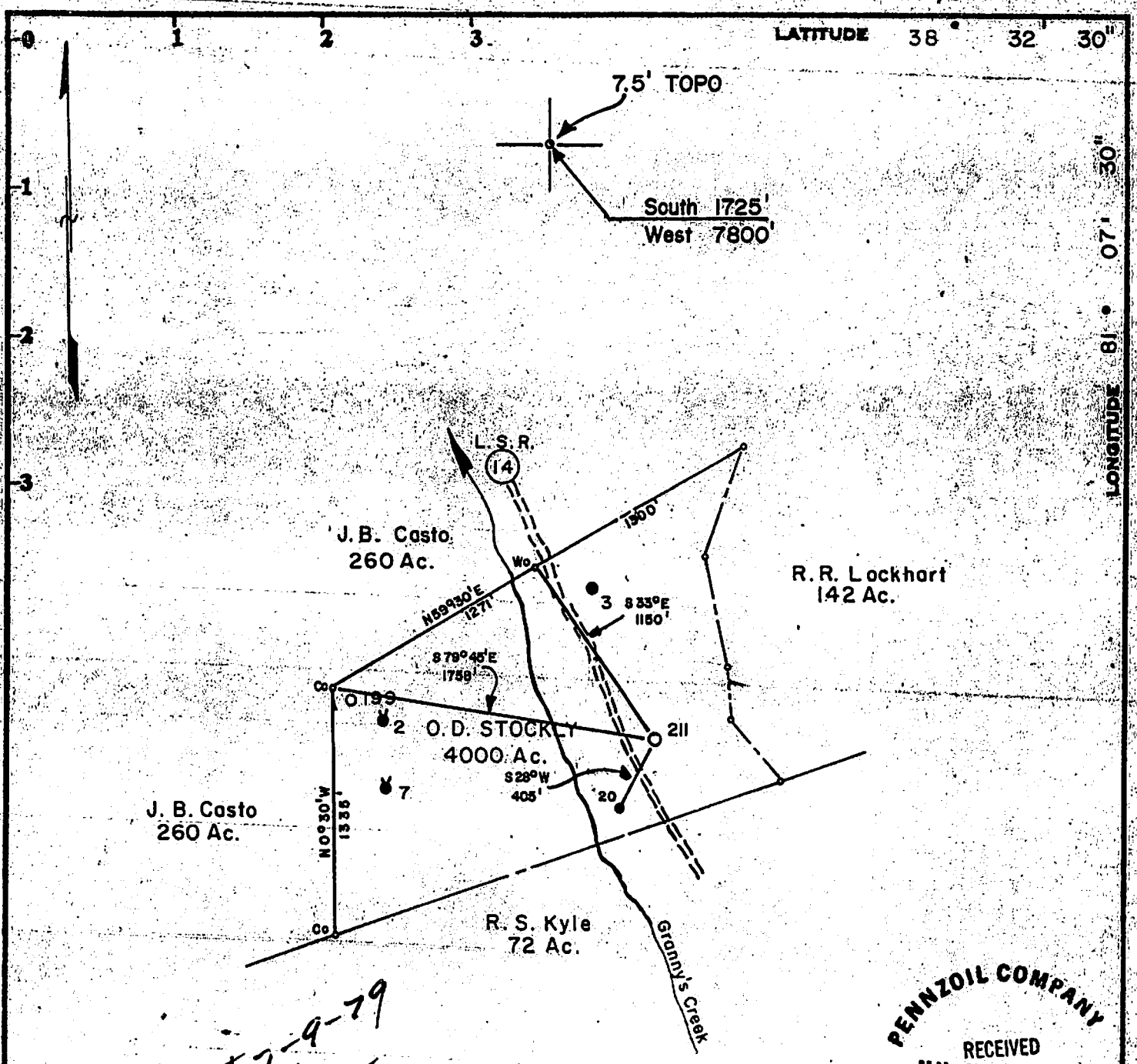


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*Noted 7-9-79 has*

**PENNZOIL COMPANY**  
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**JUL 9 1979**  
 LAND DEPARTMENT  
 PARKERSBURG  
 WEST VIRGINIA

Surface-  
O.T. White  
Ovapa, WV

Minimum Error of Closure 1 in 200  
Source of Elevation O. D. STOCKLY 4, ELEV. 1078'

Fracture.....   
 New Location  Water Injection  
 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. 83      Squares: N 5 62 E W 31

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	O. D. STOCKLY		
Tract	Acres	4000	Lease No. 60643-50
Well (Farm) No.	211	Serial No.	
Elevation (Spirit Level)	1173.01'		
Quadrangle	NEWTON	7.5'	
County	CLAY	District	HENRY
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	640	Drawing No.	
Date	7/9/79	Scale	1" = 800'

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

### WELL LOCATION MAP

FILE NO. 02/28/2014

+ Denotes location of well on **RECEIVED** United States Topographic Maps, scale 1 to 62,500, and longitude lines being represented by border lines as shown. **Office of Oil and Gas**  
**FEB 20 2014**

- Denotes one inch spaces on border line of original tracing.  
**WV Department of Environmental Protection**

BRUNING 44-131 27198





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7009 1410 0002 0831 6903

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MARIETTA OH 45750  
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PS Form 3800, June 2009

Sent To  
 Douglas O'dell  
 3781 Ovapa Rd  
 Procious, WV 25164

PS Form 3800, June 2009

9

O.D. Stockly # 208	47-015-1626
" # 209	47-015-1641
" # 210	47-015-1642
" # 212	47-015-1653
" # 216	47-015-1820
" # 217	47-015-1819
" # 218	47-015-1818
" # 211	47-015-1643
" # 219	47-015-1817

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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 \_\_\_\_\_

Watershed Grannys Creek Quadrangle Newton

Elevation 1202' GPS County Clay District Henry

Description of anticipated Pit Waste: \* No Pit \*: fluids will be separated at Ovapa Facility; oil stored and salt water re-injected.

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 \_\_\_\_\_)

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

Subscribed and sworn before me this 30 day of January, 2014

[Signature] Notary Public

My commission expires 2-29-16

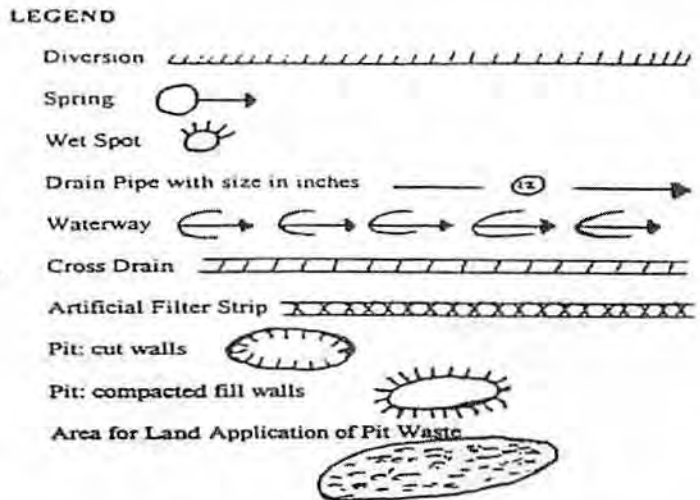
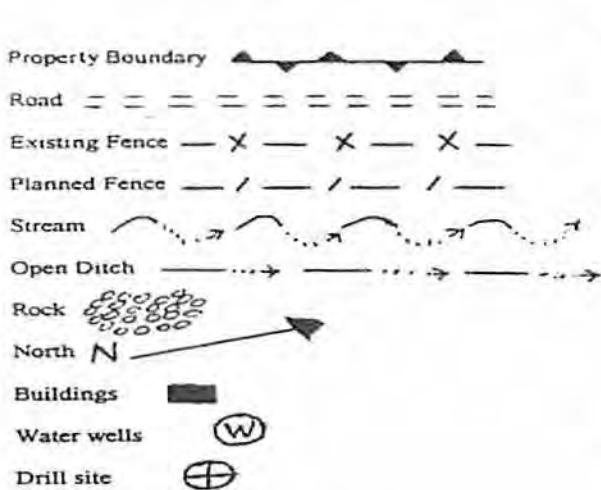
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Proposed Revegetation Treatment: Acres Disturbed One (1) Prevegetation pH 5.5  
 Lime Two (2) Tons/acre or to correct to pH 6.5  
 Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)  
 Mulch 90-100 bales/acre Tons/acre

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: [Signature]  
 Comments: \_\_\_\_\_

Title: Inspector Date: 2/4/14  
 Field Reviewed? ( ) Yes ( X ) No

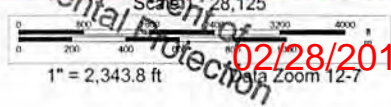
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28,125  
 02/28/2014



1501643A

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-015-01643 WELL NO.: 211

FARM NAME: O.D. Stockly

RESPONSIBLE PARTY NAME: Triad Hunter, LLC

COUNTY: Clay DISTRICT: Henry

QUADRANGLE: Newton

SURFACE OWNER: Douglas O'dell

ROYALTY OWNER: Black Stone Minerals LLP et al

UTM GPS NORTHING: 4265504

UTM GPS EASTING: 0487448 GPS ELEVATION: 1202'

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.

*Bon Smith*  
Signature

Geologist  
Title

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02/28/2014

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# Chuck Taylor Toolbox

## Geographic/UTM Coordinate Converter

You can convert between geographic coordinates and Universal Transverse Mercator (UTM) coordinates using this form.

**Note:** This is a JavaScript-powered form. If you have difficulties using this form, check your browser's settings to make sure you have enabled JavaScript.

Programmers: The JavaScript source code in this document may be copied and reused without restriction.

If you have a Java 1.1-compliant browser, and especially if you need to use an ellipsoid model other than WGS84, you may want to try the [Coordinate and Datum Transformations tool](#).

Geographic (degrees decimal)	To/From	UTM
lon <input type="text" value="-81.144023846669"/>	<input type="button" value="&gt;&gt;"/>	x (easting) <input type="text" value="0487448"/>
lat <input type="text" value="38.537857533294"/>	<input type="button" value="&lt;&lt;"/>	y (northing) <input type="text" value="4265504"/>
		zone <input type="text" value="17"/>
		hemisphere <input checked="" type="radio"/> N <input type="radio"/> S

O.D. Stockly #211

*Geographic coordinates are entered and displayed in decimal degrees. Negative numbers indicate West longitudes and South latitudes. UTM coordinates are entered and displayed in meters. The ellipsoid model used for computations is WGS84.*

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