



**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

Joe Manchin III, Governor  
Stephanie R. Timmermeyer, Cabinet Secretary  
www.wvdep.org

April 15, 2008

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3906122, issued to UNKNOWN - DEP PAID PLUGGING CONTRACT, 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: HUDDLESTON 1  
Farm Name: WV DEPT. OF HIGHWAYS  
**API Well Number: 47-3906122**  
**Permit Type: Plugging**  
Date Issued: 04/15/2008

**Promoting a healthy environment.**

STATE OF WEST VIRGINIA  
DIVISION 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    @ 640 Watershed Kanawha River  
District Cabin Creek 2 County Kanawha Quadrangle Cedar Grove 284
- 6) Well Operator WV DEP Plugging 7) Designated Agent James Martin  
Address 601 56<sup>th</sup> Street Address Same  
Charleston, WV 25304
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Terry Urban Name S.L. Meadows  
Address P.O. Box 1257 Address     
Clendenin, WV 25045 Ravenswood, WV

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

Rig up, Check hole T.D. @ 1775'  
Run 1 1/2" tubing to 1700', Gel the hole  
Cement from 1700' to 1400', Pull the tubing  
Cut the 3" at the packer @ 1300', Pull the 3"  
Perforate the 7" in the lime @ 1200', Free point & cut the 7" @ 800'  
Run tubing to 1200', Cement from 1200' to 1000', Pull the tubing  
Pull the 7" casing  
Run tubing to 850'  
Cement from 850' to 750', 450' to 350', 100' to surface  
Erect a monument with the API number attached

NOTE:

We don't have any records on this well. Depth of the well is uncertain. From the age of the well is was proably drilled to the Weir Sand @ 1775'. Only pipe that can be seen is 3" tubing & conductor pipe. The tubing is most likely set on a packer in the Big Lime. If we can't pull the tubing we will free point, and cut above the packer. The 7" casing was probably set in the top of the Lime. If unable to pull free point and cut @ 800'.

OFFICE USE ONLY

PLUGGING PERMIT

Permit Number    Date   , 19  

This permit covering the well and well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector 24 Hours before actual permitted work has commenced.

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>		
(a) Name <u>WV Dept. of Highways</u>		Name <u>NA</u>	
Address <u>Charleston, WV</u>		Address _____	
(b) Name <u>David Burdette</u>		(b) Coal Owner(s) with Declaration	
Address <u>Rt. 5, Box 329</u>		Name <u>NA</u>	
		Address _____	
(c) Name _____		Name <u>NA</u>	
Address _____		Address _____	
6) Inspector _____		(c) Coal Lessee with Declaration	
Address _____		Name <u>NA</u>	
Telephone _____		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.

Well Operator	<u>WV DEP Plugging</u>
By:	<u>James Martin</u>
Its:	<u>Agent</u>
Address	<u>601 57<sup>th</sup> Street</u>
	<u>Charleston, WV 25304</u>
Telephone	<u>304 926-0499</u>

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_ Notary Public  
My Commission Expires \_\_\_\_\_

STATE OF WEST VIRGINIA  
DIVISION 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 WV DEP Plugging OP Code \_\_\_\_\_

Watershed Kanawha River Quadrangle Cedar Grove

Elevation @ 640 County Kanawha District Cabin Creek

Description of anticipated Pit Waste: Plugging Fluid

Will a synthetic liner be used in the pit? Yes

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 June 14, 1994, by the Office of Oil and Gas of the West Virginia Division 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) James Martin

Company Official Title Agent

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

**LEGEND**

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site
- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- 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 .25 Prevegetation pH \_\_\_\_\_

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

**Seed Mixtures**

	Area I		Area II
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Ky. 31</u>	<u>50</u>	<u>Ky. 31</u>	<u>50</u>
<u>Clover</u>	<u>5</u>	<u>Clover</u>	<u>5</u>
_____		_____	

Attach:  
Drawing(s) of road, location, pit and proposed area for land application.

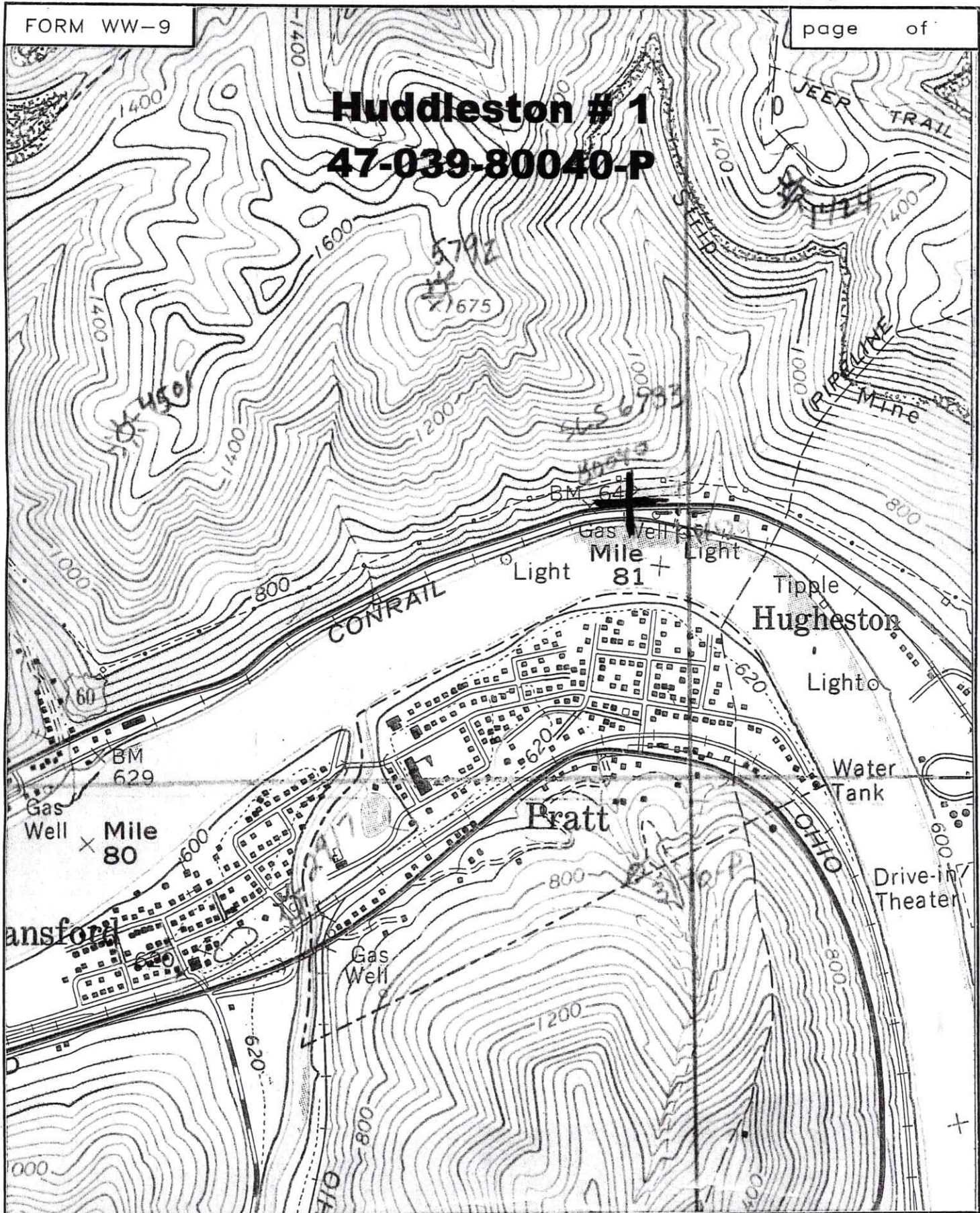
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Rod Dillon

Title: Inspector Date: 3/8/08

Field Reviewed?  Yes  No

# Huddleston # 1 47-039-80040-P



SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF CEDAR GROVE 7.5'

FILE NO. 6783 DATE 3/17/08 SCALE 1"=1000'

39-06128

WW-4D  
(6-07)

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

I, the undersigned, have been notified by a representative from the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas, of an abandoned well(s) and/or tank(s) on or adjacent to my property.

This well(s) and/or tank(s) is considered a potential hazard or imminent danger, or a possible pollutant to the surface or underground, or is wasting natural resources (leaking) and must be properly plugged or cleaned out and replugged.

I hereby give the State of West Virginia permission to have a responsible contractor enter upon or traverse my property for the purpose of plugging this well(s) and/or remove tank(s).

Permit No. (if known)	<u>47-039-80040</u>	Well No. (if known)	<u>Huddleston # 1</u>
Farm Name	<u>Huddleston Heirs</u>	County	<u>KAWAUBA</u>
District	<u>Cabin Creek</u>	Waters of	<u>KAWAUBA RIVER</u>

The contractor will properly plug the above named well(s), remove all material from the well location and reclaim, seed and mulch the well location and well road accesses used to state specifications. The plugging and reclamation shall be supervised by the WVDEP.

Owner Name	<u>WV DPH</u>	Owner Signature	<u>[Signature]</u>
Owner Address	_____	Witness	_____
	_____	Date	_____

Please Return To: WVDEP - OFFICE OF OIL AND GAS  
Rodney Dillon  
601 57<sup>th</sup> Street  
Charleston, WV 25304

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

I, the undersigned, have been notified by a representative from the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas, of an abandoned well(s) and/or tank(s) on or adjacent to my property.

This well(s) and/or tank(s) is considered a potential hazard or imminent danger, or a possible pollutant to the surface or underground, or is wasting natural resources (leaking) and must be properly plugged or cleaned out and replugged.

I hereby give the State of West Virginia permission to have a responsible contractor enter upon or traverse my property for the purpose of plugging this well(s) and/or remove tank(s).

Permit No. (if known) 47-039-80040 Well No. (if known) Huddleston #1  
Farm Name David Burdette County Kanawha  
District Cabin Creek Waters of Kanawha River

The contractor will properly plug the above named well(s), remove all material from the well location and reclaim, seed and mulch the well location and well road accesses used to state specifications. The plugging and reclamation shall be supervised by the WVDEP.

Owner Name David C. Burdette Owner Signature David Burdette  
Owner Address Rt-5 Box 329  
Charleston, WV 25312 Witness [Signature]  
Date 3/6/05 3:25 PM

Please Return To: WVDEP - OFFICE OF OIL AND GAS  
Rodney Dillon  
601 57<sup>th</sup> Street  
Charleston, WV 25304





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

API: 47-039-80040 WELL NO.: Huddleston # 1

FARM NAME: WV DOH

RESPONSIBLE PARTY NAME: WV DEP

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Cedar Grove

SURFACE OWNER: WV DOH

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4229663

UTM GPS EASTING: 466376 GPS ELEVATION: @ 640

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.

Rod Dillon  
Signature  
3/22/08  
Date

\_\_\_\_\_  
Inspector  
Title

10" @ 2 Jts Below River  
8" @ 850'  
7" @ 1400'  
3" @ Packers set in Lime @ 1300'

No Coal  
Fresh Water River Level

Salt Sand @ 450' - 700'  
Marl @ 1200' - 1250'  
Lime @ 1350' - 1550'  
Iron @ 1550' - 1600'  
Wen @ 1650 - 1775'

Robert W. Kutta

29-44

039-2904

Elev 330

E10670

# GODFREY L. CABOT, RECORD

Well No. 431  
 Located on Kanawha & Hocking Coal & Coke Co., Lot Farm. No. of Well on this Farm  
 Cabin Creek District Kanawha County W. Va. State  
 Location made First work done

Rig Commenced  
 Drilling Commenced Nov. 9th., 1926  
 Rig Contractor Wick & Mace  
 Drillers Frank Rose and R.E. Stankler  
 Tool Dressers Homer Estes and W.C. England  
 Rig Completed  
 Drilling Completed Dec. 31st., 1926  
 Drilling Contractor J.M. Runnels  
 Torpedo, L. D. 19  
 Number of Quarts

FORMATION	TOP	BOTTOM	Water Found Depth	Gas or Oil Depth Found	OPEN FLOW	HOLE	REMARKS
<del>Clay</del> Clay	0	60					
<del>Slate</del> Slate	60	85					
<del>Sand</del> Sand	85	96					
<del>Slate</del> Slate	96	123					
<del>Sand</del> Sand	123	175					
<del>Line Shale</del> Line Shale	175	210					
<del>Slate</del> Slate	210	245					
<del>Sand</del> Sand	245	289					
<del>Slate</del> Slate	289	345					
<del>Sand</del> Sand	345	398					
<del>Slate</del> Slate	398	412					
<del>Sand</del> Sand	412	480					
<del>Salt Sand</del> Salt Sand	480	935					
<del>Slate</del> Slate	935	975					
<del>Red Rock</del> Red Rock	975	1280					
<del>Maxon Sand</del> Maxon Sand	1280	1330					
<del>Little Lime</del> Little Lime	1330	1366					
<del>Slate</del> Slate	1366	1371					
<del>Shale</del> Shale	1371	1381	1540	Lime Gas	4/10	Water in 2"	
<del>Pencil</del> Pencil	1381	1408	1570	"	33/101	" 2"	
<del>Big Lime</del> Big Lime	1408	1610	1625	Big Injun	to 1629	increased fm	
<del>Big Injun</del> Big Injun	1610	1660			23/10	to 27/10	Water in 2"
<del>Weir Sand</del> Weir Sand	1660	1850					
<del>Slate</del> Slate	1850	1868	1740	Weir Gas	71/10	Water in 2"	
Total Depth		1868	1754 to				
			1759				
							Initial Rock Pressure 24 hrs. 335#
							Top of perforation 1760 feet

### TUBING AND CASING RECORD

Size	Charged to Well		Part in Well		Pulled Out		Left in Well		Left at Well Not in Use	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
13"	65		65				65			
10"	240		240				240			
8"	960		960		960					
6-5/8"	1454						1454			

### PACKER RECORD

Size	KIND	Depth Set
3 X 6-5/8	Oil Well Sp. Gas An- chor Packer	1503 0

NOTE—If 10" casing cemented, so state, and at what depth

If more than two strings of casing are left in hole give reasons for leaving additional strings

- Write S. L. after each measurement made with a steel line.
- If open flow tested with water write "W" before the figures if mercury write Hg.
- Steel line measurements should be made of Top and Bottom of Pittsburgh Coal and all the principal sands.
- Under Remarks note if any of principal sands are not found and if any peculiarities in sands, as looser or harder than ordinary, etc.
- If any coal other than native or Pittsburgh be found, give steel line measurements of Top and Bottom and nature of coal.
- Note if water found is fresh or salt.

Approved by

*W. E. Jones*

Foreman

Tape Fleet

1984

E1 @ 660

UNITED FUEL GAS COMPANY  
(INCORPORATED)

Serial Well No. 1628

Lease No. 12997

Map Square 76-49

RECORD OF WELL No. 6 on the			CASING AND TUBING			TEST BEFORE SHOT	
Paint-Creek Term Farm of 193 Acres			Size	Used in Drilling	Left in Well	10ths of Water in	
in Pratt (Town) District			16			10ths of Merc. in	
Kanawha County			1 1/2	60	60	10ths Volume 527,520 Cu. Ft.	
Kanawha Field, State of W. Va.			10	270	270	TEST AFTER SHOT	
Drilling Commenced	192		8 1/4	836		10ths of Water in	
Drilling Completed	5-14-26	192	6 1/2	1442	1442	10ths of Merc. in	
Drilling to cost	per foot		5 1/2			10ths Volume	
Contractor is:	United Fuel Gas Co Drlg Dept		4			No rock pressure taken	
Address:	Charleston W. Va.		3		1884	10ths of Merc. in	
Drillers' Names	J. H. Hardman Joe Hickman		2			Date shot	
			SHUT IN			Oil Flowed	
			Date	7-10-26		Oil Pumped	
			3	in Tubing or Casing		bbls. 1st 24 hrs	
			Size of Packer 3x6 5/8x16			bbls. 1st 24 hrs	
			Kind of Packer Anchor			Well abandoned and Plugged	
			1st Perf. Set 8' from Bottom				
			2nd Perf. Set 60' from "				
			Packer set 180' "				

DRILLER'S RECORD

Formation	Top	Bottom	Thickness	Remarks
Surface	0	42	42	Water hole full 460
Coal	42	48	6	
Slate	46	68	22	6 5/8x8 1/2x10 B.H. Packer on 6 5/8" casing
Sand	68	115	47	Gas test 8/10 water 1" 1689
Slate	115	140	25	" " 18/10 " 2" 1715-1721
Sand	140	190	50	" " 60/10 " 2" 1780-1787
Slate	190	215	25	" " 9/10 Merc 2" 1800-1810
Sand	215	290	75	
Slate	290	410	120	
Sand	410	480	70	
Slate	480	570	90	
- Salt Sand	570	725	155	
Slate	725	731	6	
Sand	731	812	81	
Slate	812	820	8	
Sand	820	854	34	
Siltstone & Lime	854	870	16	
Slate & Lime	870	890	20	
Sand	890	905	15	
Slate & Lime	905	975	70	
Sand	975	995	20	
Slate & Lime	995	1012	17	
Red Rock & Lime	1012	1060	48	
Sand	1060	1135	75	
Red Rock & Lime	1135	1176	41	
Lime	1176	1202	26	
Slate & Lime	1202	1214	12	
Red Rock	1214	1220	6	
Slate & Lime	1220	1232	12	
- Maxen Sand	1232	1305	73	
- Little Lime	1305	1340	35	
Slate & Lime	1340	1394	54	
- Big Lime	1394	1600	206	
- Big Injun	1600	1647	47	
Slate & Shells	1647	1675	28	
- Wier Sand	1675	1845	170	
Slate & Shells	1845	1861	16	
Total Depth		1861		

APPROVED

*[Signature]*

SUP'T

APPROVED

*[Signature]*

ROBERT HAYTHE

Form 10-14 Feb 24

29-44

# GODFREY L. CABOT, INC., RECORD

E1000

Well No. 386  
 Located on C. T. Bettinger Cabin Creek District Kanawha Farm. No. of Well on this Farm 1 District  
 County West Va. State  
 Location made First work done Initial rock pressure

Rig Commenced  
 Drilling Commenced November 27th, 1925 Rig Completed  
 Drilling Completed January 28th, 1926  
 Rig Contractor W. M. Wick Drilling Contractor J. M. Rhnells  
 Drillers John Gillingham & M. M. Neely Torpedo, L. D. Feb. 6th, 1926  
 Tool Dressers Pomie Hall & R. P. Ranie Number of Quarts 80

FORMATION	TOP	BOTTOM	Water Found Depth	Gas or Oil Depth Found	OPEN FLOW	HOLE	REMARKS
CONCRETE		49					
Sand	49	100	80				
Stone	100	125					
Slate	125	215	175				
Shells	215	300					
Sand	300	350					
Slate & Shells	350	400					
Sand	400	525					
Slate	525	565					
Salt	565	800	715-725 (Salt)				
Slate	800	825					
Sand	825	880					
Slate	880	915					
Slate & Shells	915	925					
Lime	925	950					
Red Rock	950	970					Before shooting
Sand	970	985					8/10 water in 2"
Red Rock	985	1038					
Lime	1038	1058					
Red Rock	1058	1100					When tubed:
Slate	1100	1220					35/10 water in 2" →
Maxon Sand	1220	1300					
Slate	1300	1302					
Lime	1302	1355					
Pencil Cave	1355	1365					
BIG LIME	1365	1570					24-hour test Rock
Red Sand	1570	1610					Pressure 300-lbs.
Lime	1610	1625					
Sand	1625	1800					1760-1764- 4/10 water in 2"
Slate	1800	1901					1776-1786-19/10 water in 2"
							1800-1802- 4/10 water in 2"
TOTAL DEPTH	1901	1901					

### TUBING AND CASING RECORD

Size	Charged to Well		Put in Well		Pulled Out		Left in Well		Left at Well Not in Use		Size	END	Depth Set	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.			Feet	In.
13"			49	-			49	-						
8-1/4"			1009	-	1009	-					6-5/8x2	Hook-Wall	1457	
10"			105	-			105	-						
6-5/8"			1457	-			1457	-						

NOTE - If 10" casing cemented, so state, and at what depth.

If more than two strings of casing are left in hole give reasons for leaving additional strings.

- Write S. L. after each measurement made with a steel line.
- If open flow tested with water write "W" before the figures if mercury write Hg.
- Steel line measurements should be made of Top and Bottom of Pittsburgh Coal and all the principal sands.
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- If any coal other than native or Pittsburgh be found, give steel line measurements of Top and Bottom and nature of coal.
- Note if water found is fresh or salt.

Approved by

Foreman

83

K90 1478

U-6460

Size	CASING Weight	Point
10-3/4"	32.75#	604'
8-5/8"	24#	1600' Failed
7"	20#	2011'

David Ward, #59  
 United Fuel Gas Company  
 Cabin Creek District, Kanawha County, W. Va.  
 Map Square 74-49  
 Commenced Drilling - 11-18-1848  
 Completed Drilling - 2-25-1949  
 Elevation 1260.47

CONTRACTOR: U.F.G. Company  
 DRILLERS: Wilmer L. Scott  
 Boyd J. Dotson

Surface	0	12
Black Lime	12	32
Slate	32	140
Lime	140	160
Sand	160	218
Slate	218	263
Lime	263	284
Sand	284	337
Slate & shells	337	460
Lime	460	479
Slate & shells	479	514
Sand	514	536
Slate & shells	536	560
Coal	560	566
Lime shells	566	616
Sand	616	648
Slate & shells	648	680
Sand	680	730
Slate & shells	730	772
Sand	772	827
Black Slate	827	848
Sand	848	887
Slate	887	930
Sand	930	998
Slate	998	1012
Sand	1012	1184
Slate	1184	1189
Sand	1189	1425
Slate	1425	1428
Lime	1428	1455
Sand	1455	1518
Lime	1518	1560
Slate	1560	1565
Lime	1565	1619
Slate	1619	1623
Red Rock	1623	1678
Slate & shells	1678	1713
Sand	1713	1760
Red Rock	1760	1785
Slate & shells	1785	1845
Maxon Sand	1845	1933
Lime	1933	1963
Slate	1963	1967
Lime	1967	1987
Slate & shells	1987	1995
Pencil Cave	1995	1999

Big Lime	1999	2211
Injun	2211	2230
Slate & shells	2230	2238
Weir Sand	2238	2418
Slate	2418	2433

Total Depth. 2433'

Hole full water 250'  
 Water 1080' 1/2 S.P.H.  
 Hole full salt water 1165'  
 Hole full water 1883'

Show gas 2267'

Weir gas 2335-2348 70/10 W 2" 353 M

WELL NOT SHOT

OPEN FLOW - 353 M - Weir  
 48 Hr. R.P. 1947

Shut in 2-25-49 in 7" casing.

Permit No. Kan-1478

66460



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. KAN-1424-P

ABANDONMENT

Oil or Gas Well DRY  
(KIND)

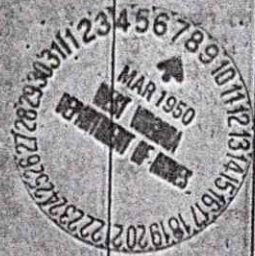
Company United Fuel Gas Co.  
Address P. O. Box 1273, Charleston 25, W. Va.  
Farm David Ward Acres 8000  
Location (waters) Kanawha River  
Well No. 6312 Elev. 1274.33 Gr.  
District Gabin Creek County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by David S. Ward, et al  
Queens Village, New York  
Address \_\_\_\_\_  
Drilling commenced 1-16-50  
Drilling completed 2-25-50  
Date Shot Not Shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in Inch \_\_\_\_\_  
/10ths Merc. in Inch \_\_\_\_\_  
Volume Dry Cu. Ft. \_\_\_\_\_  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls. 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packer
Size			
10- 3/4	650	650	
8- 5/8	1495	1495	
7"	2032	2032	
5 3/16			
3			
2			
Liners Used			
			Kind of Packer
			Bottom Hole
			Size of <u>8-5/8" X 8-1/4"</u>
			Depth set
			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 91 FEET 48 INCHES  
116 FEET 48 INCHES 186 FEET 60 INCHES  
375 FEET 36 INCHES 556 FEET 72 INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface Gravel			0	13			
Sand			13	57			
Black Lime			57	71			
Hard Shell			71	81			
Black Lime			81	91			
Coal			91	95			
Slate			95	110			
Sand			110	116			
Coal			116	120			
White Slate			120	126			
Slate & Shells			126	150			
Lime			150	186			
Coal			186	191	Water	190'	Bailer every 4 Hrs.
Lime			191	200			
Slate			200	210			
Sand			210	260			
Slate			260	285			
Sand			285	295			
Lime			295	335			
Sand			335	375			
Coal			375	378			
White Slate			378	515			
Lime			515	566			
Coal			566	571			
Slate			571	640			
Lime			640	670			
Black Slate			670	693			
Lime			693	700			
Sand			700	760			
Slate			760	785			
Sand			785	840			
Slate			840	867			
Sand			867	907			
Slate & Shells			907	1053			
Sand			1053	1429	Water	1355'	Hole full
Slate & Shells			1429	1505			
Sand			1505	1567			
Red Rock			1567	1578			
Sand			1578	1610			



(Over)

Robert W. Kutter

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			1610	1669			
Sand			1669	1765			
Red Rock			1765	1800			
White Slate			1800	1836			
Red Rock			1836	1856			
Maxon Sand			1856	1883	Gas	1887-1883'	6/10 M 2" Gas Exhausted
Started Drilling Deeper			1883				
Sand			1883	1939	Water	1905'	2 B.P.H.
Little Lime			1939	2006			
Pencil Cave			2006	2011			
Big Lime			2011	2226	Gas	2050-2057'	Show (No Test)
Injun			2226	2275	Gas	2120-2125'	4/10 W 1"
Slate & Weir Shells			2275	2355	Gas	2193-2194'	14/10 W 2"
Weir Sand			2355	2458	Gas, Big Lime Blowed to		2/10 W 1"
Slate			2458	2472			
Slate & Shells			2472	2655			
Brown Shale			2655	2695	Weir Sand Dry, No Gas		
Slate & Shells			2695	2724	(Slate & Shells where Berea Sand should have been - Dry, No Gas.)		
Total Depth			2724'				

Date March 8, 19 50

APPROVED United Fuel Gas Co. Owner

By [Signature]  
Chief Engineer. (T10) 2