

### 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 22, 2016

### WELL WORK PLUGGING PERMIT

### Plugging

This permit, API Well Number: 47-4301578, issued to HG ENERGY, 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.

Operator's Well No: 6

Farm Name: ADKINS, HERBERT

API Well Number: 47-4301578

**Permit Type: Plugging**Date Issued: 02/22/2016

# **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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

### **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.

WW-4B Rev. 2/01

1) Date December	17 ,	20 15
2)Operator's		
Well No. Herbert	Adkins 6	
3) API Well No.	47-043	- 1578

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

	APPLICATION FOR A PERI	MIT TO PLUG AND ABANDON
4)	Well Type: OilX/ Gas/ Liquid	
	(If "Gas, Production or Uno	derground storage) Deep/ Shallow_X_
5)	Location: Elevation 1039'	Watershed Hayzlett Fork
	District Duval	County Lincoln Quadrangle Garrett's Bend 7.5'
6)	Well Operator HG Energy, LLC	7)Designated Agent Diane White
	Address 5260 Dupont Road	Address 5260 Dupont Road
	Parkersburg, WV 26101	Parkersburg, WV 26101
3)	Oil and Gas Inspector to be notified	9)Plugging Contractor
	Name_ Jeremy James	Name To Be Determined Upon Approval of Permit
	Address P. O. Box 36	Address
	Clendenin, WV 25045	
))	Work Order: The work order for the mann	mer of plugging this well is as follows:

\* See Attached Form \*

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Office of Oil and Gas

FEB 0 5 2016

Notification must be given to the district oil and gas inspector 124 hours before permitted work can commence.

Environmental Protection

Work order approved by inspector

Date 1-26-16

WW-4B - Conti Rev. 2/01

1)	Date: <u>December 17, 2015</u>						
2)	Operator's Well Number						
	Herbe	ert Adkins	6				
3)	API Well No:	47 -	043	-	1578		
		Ctata	Country		Domnit		

### 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 (If	x f "Gas",	Gas Production _	Liquid Inje Undergrou		Waste Disj ) Deep		allow _	x
5)	LOCATION:	Elevati Distric	_	1039' Duval	Watershed: County:	Hayzlett For Lincoln		Quadrangle	Garre	tts Bend 7.5'
6)	WELL OPERAT Address	52	60 Dup	y, LLC ont Road rg, WV 2610	4.94E+08	7) DESIGNAT	ED AGENT_ Address _	Diane V 5260 Du Parkersl	upont Ro	oad V 26101
8)	OIL & GAS INS Name Address	Jeremy P. O. B	James		)	9) PLUGGING Name Address		TOR	Approva	l of Permit
TD-	2,580'				nner of plugging this v					

Free point, part and pull 4 1/2" casing at approx 2000 1950, if unable to pull, set 100tr Cannot plus
Plug # 2 - Approx. 2400 2300 1950 -1850

Located at 4 1/2" casing stub
Plug #3 - 1075' - 975'
Located at elevation

Located at elevation

Plug #4 - 450-350

Located at 8 5/8" casing shoe/fresh water

Plug # 5 - 100' - 0'

Surface

Recover all possible casing. If casing can not be recovered, perforate for plug placement.

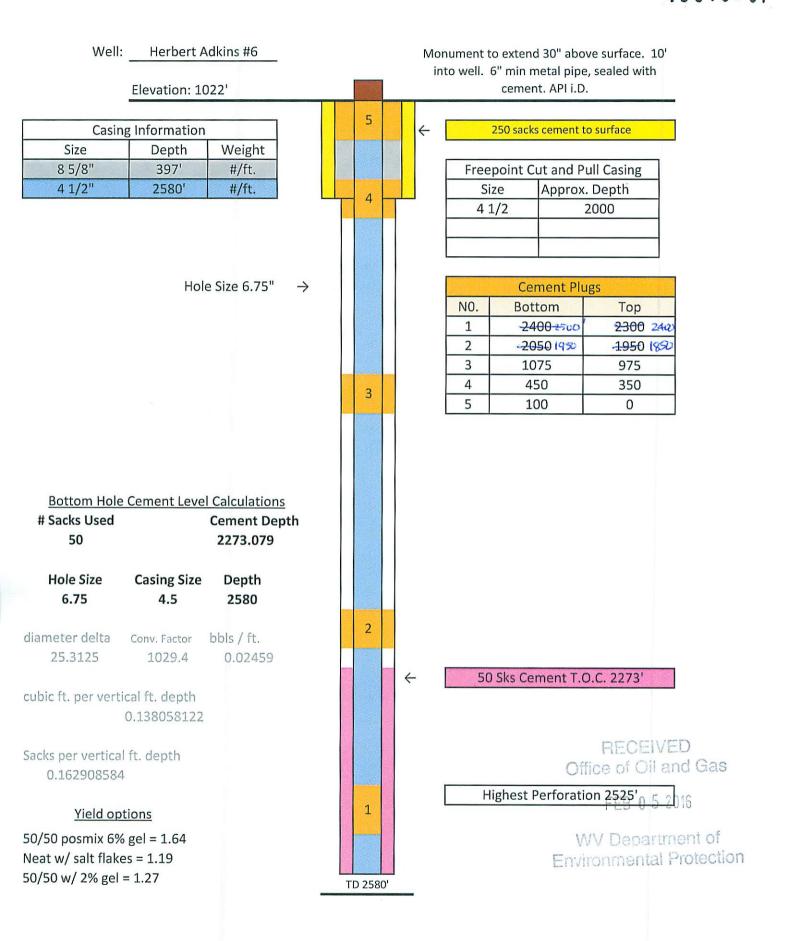
Monument -6" minimum diameter metal pipe 30" above surface 10' in well below surface Sealed with cement API identification (1/2") height numbering

6% Gel between all plugs

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FEB 0 5 2016

WY Department of Environmental Protection



# PENNZOIL COMPANY Well Completion Report

Lease: HERBERT ADKINS Well No. 6 New	Well_X_01d Well
District: Duval County: Lincoln State	: West Virginia
Pool Name: Griffithsville Northeast Pool No. 57 Elev	ati <mark>on1021.66' KB:KK</mark>
Producing Formation: Berea Depth: From	to
Date Drilled In: October 23, 1974 Pays: Oil: From	
Original Total Depth: 2582'	to
Plug Back Depth: 2550' Gas: From	to
Production Initial Present	After Fracture
0i1	
Gas 8-5/8"	
Surface Csg. set @396.64' KB:GIX Gr. H-40 New:NXEN Wt. 20	Collars ST&C'
Cement Reg. Neat Amount 250 Sacks Plug Down @ 12:15 AM	1:RM Date 10-20-74
Production Csg. set @ 2580' KB: CX Gr. K-55 New: Used Wt.]	0.50# Collars_ST&C
Cement 50/50 Posmix Amount 50 Sacks Plug Down @ 11:00 AM	1:RM Date 10-24-74
Logged by: BasinsSurveys Date: Octob	per 24, 1974
Logs Used: Gamma Ray - Comp. Density - Caliper	
Perforated by: McCullough Date: 0	October 29, 1974
Perforations: 2525'-2530' - 4 holes/ft 20 holes	
Treatment Data	Fluid F.R.EON.EVE
Fluid Sand Acid Solvent Gel Agent	Loss Agent Agent
Type	
Amount 529 22,500 500	FEB 0.5 20
Breakdown Pressure: 2400 Treating Pressure: Max. 3100 Mir	n. 1400 / Avg. 2100
Avg. Inj. Rate 24.0 BPM ISIP 1350 0 AM:PM	5 min. SIP 1200
10 min. SIP 1100 15 min. SIP 1000 Other	
EQUIPMENT USED	
Service Company: Halliburton	HHP1235
By: George P. SanFilippo Date Fractur	red: 10-29-74
	00



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Oil and Gas Division

### WELL RECORD

Rotary X

Oil\_

Permit No. Lin-1578			•	Cable	Comb Storage (Kind)
Company <u>Pennzoil Company</u> Address P.O.Box 1588, Parkersburg, V Farm Herbert Adkins Acre	v.va. 26101 s 175	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Farm Herbert Adrits Acre Location (waters) Donley Fork  Well No. 6 Elev District Duval County Line The surface of tract is owned in fee by Clarence Atkisson  Address Rt.#7, Box 121, S. Charles ton Mineral rights are owned by R. H. Adk: Address P.O. Box 555, Hamli: Drilling Commenced 10-19-74  Drilling Completed 10-24-74  Initial open flow 21,000 cu. ft. 2  Final production 18,000 ft. per day 1  Well open hrs. before test	1014.66 coln  2.W.Va. ins n.W.Va. 25523  1 bbls. 8 bbls.	Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7 5 1/2 4 1/2 3 2 Liners Used	396.64 2580	396.64	
Perf: 2525-2530-20 holes  Coal was encountered atFresh waterFeet  Producing Sand Berea	Feet_	Salt V	Vater	·s	
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or		* Remarks

(over)

WW-4A Revised 6-07

December 17, 2015 1) Date: 2) Operator's Well Number Herbert Adkins 6

3) API Well No.: 47 -

043 1578

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

(a) Name	Hubert Pauley, Jr.	Name	NA
Address	P.O. Box 128	Address	
4 > 3 7	Sod, WV 25564		
(b) Name		(b) Coal Ow	ner(s) with Declaration
Address	3	Name	NA
		Address	
(c) Name		Name	-
Address		Address	
Inspector	Jeremy James	(c) Coal Les	see with Declaration
Address	P. O. Box 36	Name	NA
	Clendenin, WV 25045	Address	
Telephone	304-951-2596		

- (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
- 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.

WEST W	OFFICIAL SEAL	Will Operator	HG Energy, LLC	RECEIVED.
50 3 E	NOTARY PUBLIC STATE OF WEST VIRGINIA	By	Diane White Dian	re White
STATE OF THE PARTY	TIMOTHY P. ROUSH	Its	Agent	Unice of the and Gas
	P. O. Box 5519 Vienna, West Virginia 26105	Address	5260 Dupont Road	
My	Commission Expires Apr. 26, 20	20	Parkersburg, WV 26101	FEB 0 5 2016
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Telephone	304-420-1119	
				WV Department of
Subscribed a	nd sworn before me this	3 17th da	v of December, 2015	Environmental Protection
My Commiss	MARINE		20	Notary Public

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.

WW-9 Rev. 5/08

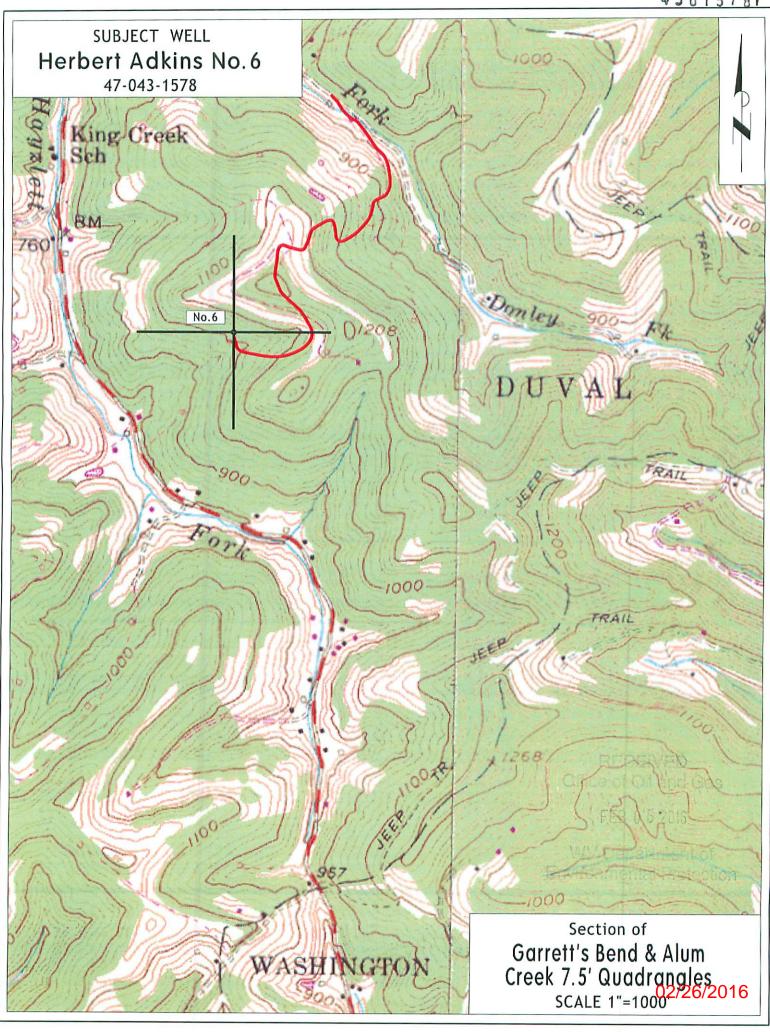
I	Page		of	
API Number 47 -	043		1578	
Operator's Well No	. Herbert A	dkins	6	

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM

GENERAL	L PERMIT FOR OIL AND GAS PIT WA	ASTE DISCHARGE
Operator Name_HG Energy, LLC		OP Code 494497948
Watershed Hayzlett Fork		Sarrett's Bend 7.5'
Elevation 1039'	County_Lincoln	<sub>District</sub> Duval
Description of anticipated Pit Waste: FI	uids encountered while pluggi	ing the subject well.
Will a synthetic liner be used in the pit?	Yes, 30 mil	
Reuse (at API Off Site Dispp	ion Injection ( UIC Permit Number	g
on August 1, 2005, by the Office of Oil a provisions of the permit are enforceable law or regulation can lead to enforcement I certify under penalty of law tapplication form and all attachments the	nd Gas of the West Virginia Department by law. Violations of any term or cond t action. that I have personally examined and an nereto and that, based on my inquiry of	GENERAL WATER POLLUTION PERMIT issued of Environmental Protection. I understand that the dition of the general permit and/or other applicable in familiar with the information submitted on this of those individuals immediately responsible for complete. I am aware that there are significant
penalties for submitting false information		
	ane White	
Company Official (Typed Name) Dia	ane White	RECEIVED
Company Official Title Agent		Office of Oil and Gas
		FEB 0 5 2016
Subscribed and sworn before me this	7thday of December	, 20 15/V Department of Environmental Protection
My commission expires $4/2c$	/2020	Notory Public  OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGIN TIMOTHY P. ROUSH P. O. Box 5519 Vienna, West Virginia 2610 My Commission Expires Apr. 26

	LEGEND	
Property Boundary	Diversion (////////////////////////////////////	
Road = = = = = = = = = = = = = = = = = = =	Spring	
Existing Fence — X — X — X —	Wet Spot	
Planned Fence///	Drain Pipe with size in inches	
Stream	Waterway 😝 😝	$\hookrightarrow\hookrightarrow\hookrightarrow$
Open Ditch	Cross Drain	
Rock 635886		
North N	Pit: cut walls	MILL
Buildings	Pit: compacted fill walls	France
Water wells	Area for Land Application of	Pit Waste
Drill site		
Proposed Revegetation Treatment: Acres Disturbed	1.3 acres Prevegetation	
	<del></del>	Jn
Lime Tons/acre or to corre		
Fertilizer (10-20-20 or equivalent)	Olbs/acre (500 lbs minimum)	
<sub>Mulch</sub> Straw 2	Tons/acre	
WithCit_	TONS/acre	
	Seed Mixtures	
Area I		rea II
Seed Type lbs/acre	Seed Type	lbs/acre
Tall Fescue 40	Tall Fescue	40
Ladino Clover 5	Ladino Clover	5
* Sediment Control Will Be In Plac	e At All Times *	
Attach: Drawing(s) of road, location,pit and proposed area for l	and application.	
Photocopied section of involved 7.5' topographic sheet.		RECEIVED
notocopied section of involved 7.5 topographic sheet.		Office of Oil and Gas
7.77		of octo
Plan Approved by		FEB 0 5 2018
Comments:		with Department of
		Environmental Protection
_		
Title: inspector BBG	Date: 1-26-16	
Field Reviewed? ( ) Yes (	) No	



### West Virginia Department of Environmental Protection Office of Oil & Gas

# **WELL LOCATION FORM: GPS**

API: 47-	043 - 1578	WELL NO: _	26
FARM NAME:	Herbert Adkins No.6		11,
RESPONSIBLE PARTY N	AME: H.G. Ene	rgy, LLC	
COUNTY:	Lincoln	DISTRICT:	Duval
QUADRANGLE:	Garrett's Bend 7.5'		
SURFACE OWNER:	Hubert Pauley, Jr.		
ROYALTY OWNER:	H.G. Energy, LLC	et al.	
UTM GPS NORTHING:	4,236,146	(NAD 83)	1040 ft
UTM GPS EASTING:	422,763	(NAD 83) GPS ELEVATION	N: <u>317 m.</u>
preparing a new well location oil & Gas will not accept to a l. Datum: NA height above 2. Accuracy to	on plat for a plugging permit GPS coordinates that do not r	nit GPS coordinates in lieu of on the above well. The Office meet the following requirement pordinate Units: meters, Altituaters.	ts:
Survey Grade G	PS Post Processed Dif Real-Time Differen		
Mapping Grade	GPS X Post Processed Different Real-Time Different	ntial	RECEIVED
•	formation required by law and	ne best of my knowledge and d the regulations issued and	FEB <b>0</b> 5 2016
Diane C White	Diane C. White	Designated	Agent Protection
Signature		Title	
November	24, 2015	_	
Date			