



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, October 11, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DR

JACKSON CITY, PA 16133

Re: Permit approval for 127501 HARDY
47-039-01825-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 127501 HARDY
Farm Name: KANAWHA STATE FOREST
U.S. WELL NUMBER: 47-039-01825-00-00
Vertical Plugging
Date Issued: 10/11/2019

Promoting a healthy environment.

I

47-039-01825P

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B
Rev. 2/01

1) Date 08-20-, 20 19
2) Operator's
Well No. 127501 Hardy
3) API Well No. 47-039 - 01825 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 X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 877.80 Watershed Shrewsbury Fork Davis Creek
District Loudon County Kanawha Quadrangle Charleston

6) Well Operator Alliance Petroleum Corporation, LLC 7) Designated Agent David Dean
Address 1997 Old Weston Road Address 1997 Old Weston Road
Buckhannon, WV. 26201 Buckhannon, WV. 26201

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name R and J Well Service
Address P.O. Box 1207 Address 1087 Raccoon Rd.
Clendenin, WV. 25045 Hueysville, KY. 41640

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

OK jwm

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

Work order approved by inspector _____ Date _____

PLUGGING PROCEDURE

127501

KANWAHA COUNTY, WEST VIRGINIA

API# 47-039-03899

BY: JM

DATE: 7/24/2019

Current Status**Csg Schedule**

- 8 1/4" csg @ 44'
- 7" csg @ 419'
- 5 3/16" csg @ 1335'
- 2 3/8" tbg @ 1561' w cage/perf joint at 1560'
- TD @ 1560'

Completion

- Not Shot

Fresh water @ 82'

Coal @ No shows

Gas Shows @ 911'- 915', 1419'- 1424'

Oil Shows @ 730'- 740'

Elevation 877'

Objective: Plug and abandon

- 1) Prepare road and location.
- 2) MIRU service rig and support equipment.
- 3) Blow well down. Check TD.
- 4) TOOH w/ tbg and inspect. TIH w/ tbg to 1419'. Kill well as needed with 6% bentonite gel. Pump 129' C1A cement plug from **1419'- 1285'**
- 5) TOOH w/ tbg. Free point 5 3/16" csg. Shoot or rip csg at free point. TOOH w/ 5 3/16" csg. A 100' C1A cement plug must be set across csg cut. Any plugs below that will remain behind 5 3/16" csg must be shot or ripped at bottom of plug and then every 50' through plug
- 6) TIH w/ tbg to 1285'. Pump 6% bentonite gel from **1285'- 911'**
- 7) TOOH w/ tbg to 911'. Pump 281' C1A cement plug from **911' to 630'**
- 8) TOOH w/ tbg to 630'. Pump 6% bentonite gel from **630'- 459'**
- 9) TOOH w/ tbg. Free point 7" csg. Shoot or rip csg at free point. TOOH w/ 7" csg. A 100' C1A cement plug must be set across csg cut. Any plugs below that will remain behind 7" csg must be shot or ripped at bottom of plug and then every 50' through plug
- 10) TIH w/ tbg to 459'. Pump 100' C1A cement plug from **459' to 359'**
- 11) TOOH w/ tbg to 359'. Pump 6% bentonite gel from **359'- 132'**
- 12) TOOH w/ tbg to 132'. Pump 132' C1A cement from **132' to Surface.**

Plugging will be if
~~cannot~~ packer & tubing
 can be pulled

NOTIFY INSPECTOR IF PACKER
 & TUBING CAN NOT BE PULLED
 gmm

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13) Pull work string and top off w/cement.

14) Erect permanent monument (30" minimum height and 6" minimum diameter pipe) with API # (1/2" height numbering) and reclaim.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

Quadrangle Chas. S. W.

Permit No. Kan-1825

WELL RECORD

Oil or Gas Well gas
(KIND)

Company Columbian Carbon Company
Address P. O. Box 873, Charleston 23, W. Va.
Farm Waller C. Hardy, Jr., et al Acres 9707.19
Location (waters) Shrewbury Fork Davis Creek
Well No. 4 - CW-1359 Elev 877.80'G
District Loudon County Kanawha
The surface of tract is owned in fee by Natural Resources
State Capitol Bldg Address Chas. 5, W. Va.
Mineral rights are owned by Waller C. Hardy, Jr., et al
P. O. Box 350 Address Parkersburg, W. Va.

Drilling commenced 2-14-62
Drilling completed 3-12-62
Date Shot not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume show Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED not acidized

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>none</u>
13			Size of _____
10			Depth set _____
8 1/4" 24#	44'	44'	
7 1/8" 23#	419'5"	419'5"	
5 3/16" 15.5#	1335'9"	1335'9"	
3			Perf. top _____
2- 3- 8" 4.7#	1561'4"	1561'4"	Perf. bottom _____
Liners Used <u>w/ cage set</u>	at 1560'		Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
see reverse side
COAL WAS ENCOUNTERED AT none FEET _____ INCHES _____
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

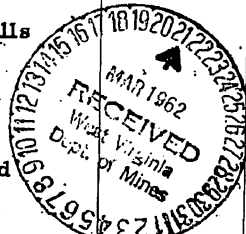
WELL FRACTURED see reverse side

RESULT AFTER TREATMENT 8/10 M. 2" = 440 MCF -- Big Injun

ROCK PRESSURE AFTER TREATMENT 21 hours 320# - 30 hours 357#

Fresh Water 82' Feet Salt Water 730-40' 960-69' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	30			
Sand			30	50			
Slate and Shells			50	75			
Sand			75	146	F. Water	82'	hole full
Slate			146	175			
Sand			175	248			
Slate and Shells			248	296			
Sand			296	380			
Slate			380	400			
Sand			400	580			
Slate			580	618			
Sand			618	800	Oil	730-40'	show
Slate and Shells			800	804	S. water	730-40'	
Lime			804	825			
Sand			825	855			
Slate and Shells			855	895			
Sand			895	1160	Gas	911-15'	show
Lime			1160	1206	S. Water	960-69'	hole full
Sand			1206	1268	1295' DLM = 1288' SLM		
Big Lime			1268	1493	Gas	1419-24'	show
Big Injun Sand			1493	1528			
Slate			1528	1560			
Total depth				1560'			



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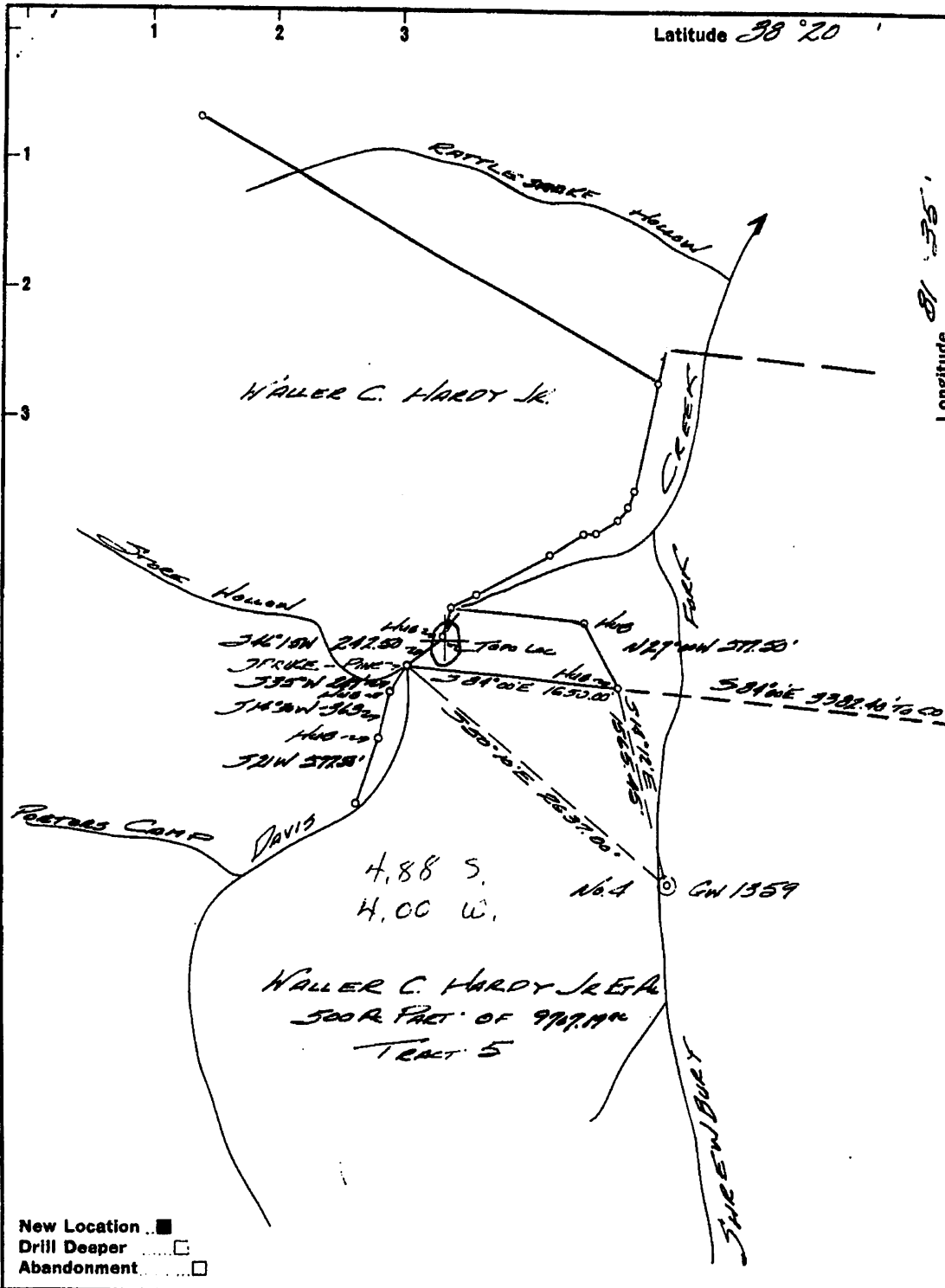
Formation	Color	Hard or Soft	Top 12	Bottom	Oil, Gas or Water	Depth Found	Remarks
FRACTURING RECORD							
<p>Before fracturing filled back to 1524'. Fractured the Big Injun 3-14-62. Show of gas before fracturing. Pumped in 1,000 gallons MCA at 2900# maximum pressure-broke to 2500#. Started sand 1/4#/gallon. Pressure went to 3,200#. Broke to 2,200#. Increased sand gradually to 1-1/2#/gallon. Pressure 2,200# to 2,100# during treatment. Flushed with 20 bbls. water at 2,050#. Time - 29 minutes. Injection rate 19 bbls./minute. Used 550 barrels water, 22,500# 20-40 sand, 35 gallons PM-3612 Tergitol. 5 minutes after shutdown 1200# on tubing. Pulled tubing and packer and drilled out hole to 1,560' total depth.</p> <p>Final open flow 8/10 M. 2" = 440 MCF.</p>							
CASING RECORD							
<p>2-17-62 -- Ran 7" casing with shoe at 416'DLM - set in 10' red clay.</p> <p>3-6-62 -- Ran 5-1/2" O. D. casing at 1,326'DLM with shoe - set in 20' red mud.</p>							

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Date March 20, 19 62

APPROVED Columbian Carbon Company, Owner

By W. S. Moore, Mgr. of Prod.
(Title)



Company COLUMBIAN CARBON CO.
 Address Box 873 Charleston, W. Va
 Farm Waller C. Hardy Jr. Et. Al
Tract 5 of 977.19
 Tract 5 Acres 500 Lease No. C-8184
 Well (Farm) No. 4 Serial No. GW 1359
 Elevation (Spirit Level) 577.80 SP
 Quadrangle CHARLESTON 3486 W 60
 County KANAWHA District LONDON
 Engineer R. D. Anderson
 Engineer's Registration No. 2074
 File No. _____ Drawing No. W-4-62
 Date 18 JAN 62 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. KAN-1825

+ 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.

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Selected County: **(039) Kanawha**

Enter Permit #: **01825**

Get Data Reset

Select datatypes: (Check All)

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/Show/Water Logs Bin Hole Loc

Table Descriptions
 County Code Translations
 Permit-Numbering Schemes
 Usage Notes
 Contact Information
 Disclaimer
 WVGES Main
 Pipeline-Plus New

WV Geological & Economic Survey: **Well: County = 39 Permit = 01825**

Location Information: [View Map](#)
 API 4703901825 COUNTY PERMIT TRK_DISTRICT QUAD_75 QUAD_18 LAT_DD Lon_DD UTM_E UTM_N
 4703901825 Kanawha 1825 London Charleston West Charleston 38.285078 -81.656485 442570.1 4235430.4

There is no Bottom Hole Location data for this well

Owner Information:

API 4703901825 CMP DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN OPERATOR_AT_COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR
 4703901825 3/1/1962 Original Loc Completed W C Hardy 4 GW-1359 Columbian Carbon Co.

Completion Information:

API 4703901825 CMP DT SUFFIX ELEV DATUM FIELD DEEPEST_FM DEEPEST_FWT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TVD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF P_AI
 4703901825 3/1/1962 74- 878 Ground Level Hmshw-Bull Crk Undr PRICE b/w INJN Undr PRICE b/w INJN Development Well Development Well Gas w/ Oil Snow unknown Fractured 1560 1560 0 0 440 0 0 0 0 0 0 0 0

Pay/Show/Water Information:

API 4703901825 CMP DT ACTIVITY PRODUCT SECTION DEPTH_TOP FM_TOP DEPTH_BOTTOM FM_BOTTOM G_BEF G_AFT O_BEF O_AFT WATER_QNTY
 4703901825 3/1/1962 Water Fresh Water Vertical 960 730 960 0 0
 4703901825 3/1/1962 Water Salt Water Vertical 960 730 960 0 0
 4703901825 3/1/1962 Pay Gas Vertical 1524 Bn Injun (Priceceek) 0 0

Production Gas Information: (Volumes in Mscf)

API	PRD_YEAR	AWN_OIL	GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703901825	1981	6,935	781	685	458	583	567	557	544	535	591	530	553	551	
4703901825	1982	6,602	633	509	499	567	520	543	565	554	575	513	618	506	
4703901825	1984	6,593	572	819	485	570	483	561	563	460	530	491	506	553	
4703901825	1985	6,999	497	1,096	475	591	507	607	490	523	439	585	493	696	
4703901825	1986	3,403	515	473	528	461	546	429	197	0	0	0	234	0	
4703901825	1987	4,352	0	340	708	508	93	0	0	277	947	888	476	327	
4703901825	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	
4703901825	1989	7,555	0	0	0	803	871	1,078	904	823	903	740	678	755	
4703901825	1990	7,882	598	565	688	573	482	567	687	669	572	631	802	848	
4703901825	1991	6,715	540	596	601	520	532	658	512	528	634	569	491	534	
4703901825	1992	6,444	761	981	522	551	1	570	367	596	488	617	497	513	
4703901825	1993	6,655	537	465	446	543	550	523	530	506	554	594	461	546	
4703901825	1994	5,687	501	539	451	476	481	471	438	419	524	500	490	397	
4703901825	1995	5,526	473	459	435	459	413	473	485	482	473	455	332	587	
4703901825	1996	4,972	494	478	514	435	520	0	370	513	408	389	315	536	
4703901825	1997	4,985	629	619	504	515	521	430	330	384	832	502	229	390	
4703901825	1998	4,676	512	391	444	457	379	372	341	391	423	434	542	0	
4703901825	1999	5,201	442	417	460	458	329	331	521	468	410	470	461	456	
4703901825	2000	5,445	512	451	489	428	339	352	311	383	434	423	437	0	
4703901825	2001	5,245	512	337	508	546	835	356	328	311	383	434	423	0	
4703901825	2002	5,745	410	401	428	399	405	401	408	83	1,561	493	40	355	
4703901825	2003	4,748	340	340	506	530	449	459	475	371	333	350	339	256	
4703901825	2004	4,817	440	385	416	385	420	398	382	377	407	414	398	395	
4703901825	2005	4,698	397	347	407	396	403	371	393	441	382	407	377	377	
4703901825	2006	4,495	387	346	388	364	379	362	373	395	394	365	365	377	
4703901825	2007	4,370	357	349	375	369	364	362	371	350	364	381	380	368	
4703901825	2008	4,349	378	343	371	358	370	365	374	339	311	404	379	357	
4703901825	2009	4,361	376	325	378	366	368	361	366	370	379	351	356	365	
4703901825	2010	5,168	495	325	366	360	368	343	377	1,006	573	367	352	434	
4703901825	2011	4,233	360	334	360	354	390	354	359	384	354	355	337	352	
4703901825	2012	4,198	354	336	358	345	397	350	351	443	332	334	312	326	
4703901825	2013	4,078	324	319	332	336	355	342	333	334	335	329	335	334	
4703901825	2014	4,078	324	319	332	336	355	342	333	334	335	329	335	334	
4703901825	2015	3,910	332	327	335	326	345	327	335	351	328	258	320	328	
4703901825	2016	2,181	323	317	329	322	331	320	238	1	0	0	0	0	
4703901825	2017	0	0	0	0	0	0	0	0	0	0	0	0	0	
4703901825	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under OIL

API	PRD_YEAR	AWN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703901825	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1985	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4703901825	1993	0	0	0	0	0	0	0	0	0	0	0	0	0

WW-4A
Revised 6-07

1) Date: 08-20-2019
2) Operator's Well Number
127501 Hardy
3) API Well No.: 47 - 039 - 01825

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: (a) Name Kanawha State Forest, Address 7500 Kanawha State Forest Dr. Charleston, WV. 25314. (b) Name, Address. (c) Name, Address. 5) (a) Coal Operator Name None, Address. (b) Coal Owner(s) with Declaration Name No Declarations, Address. (c) Coal Lessee with Declaration Name, Address. 6) Inspector Terry Urban, Address P.O. Box 1207 Clendenin, WV. 25045, Telephone 304-549-5915.

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 Alliance Petroleum Corporation, LLC
By: David Dean
Its: Executive VP Production
Address 1997 Old Weston Road
Buckhannon, WV. 26201
Telephone 304-471-2319

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Office of Oil and Gas
AUG 27 2019

WV Department of Environmental Protection
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Hartsel E. McCauley
1997 Old Weston Rd.
Buckhannon, WV 26201
My Commission Expires November 12, 2019

Subscribed and sworn before me this 20th day of August 2019
Hartsel E. McCauley Notary Public
My Commission Expires November 12, 2019

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 depprivacyofficer@wv.gov.

WW-9
(5/16)

API Number 47 - 039 - 01825
Operator's Well No. _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Alliance Petroleum Corporation, LLC OP Code _____

Watershed (HUC 10) Shrewsbury fork Davis Creek Quadrangle Charleston

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20ml

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number UIC2D0550319)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 David Dean

Company Official (Typed Name) David Dean

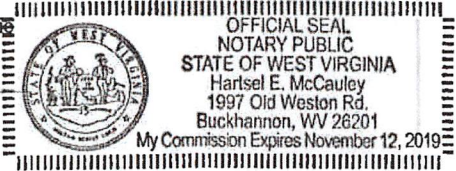
Company Official Title VP Production

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WV Department of
Environmental Protection

Subscribed and sworn before me this 20th day of August, 2019

Hartsel E McCauley Notary Public

My commission expires November 12, 2019



Proposed Revegetation Treatment: Acres Disturbed 1+/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

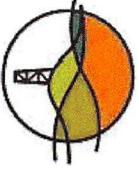
Comments: _____

Title: _____

Date: _____

Field Reviewed? () Yes () No

RECEIVED
Office of Oil and Gas
AUG 27 2019
WV Department of
Environmental Protection



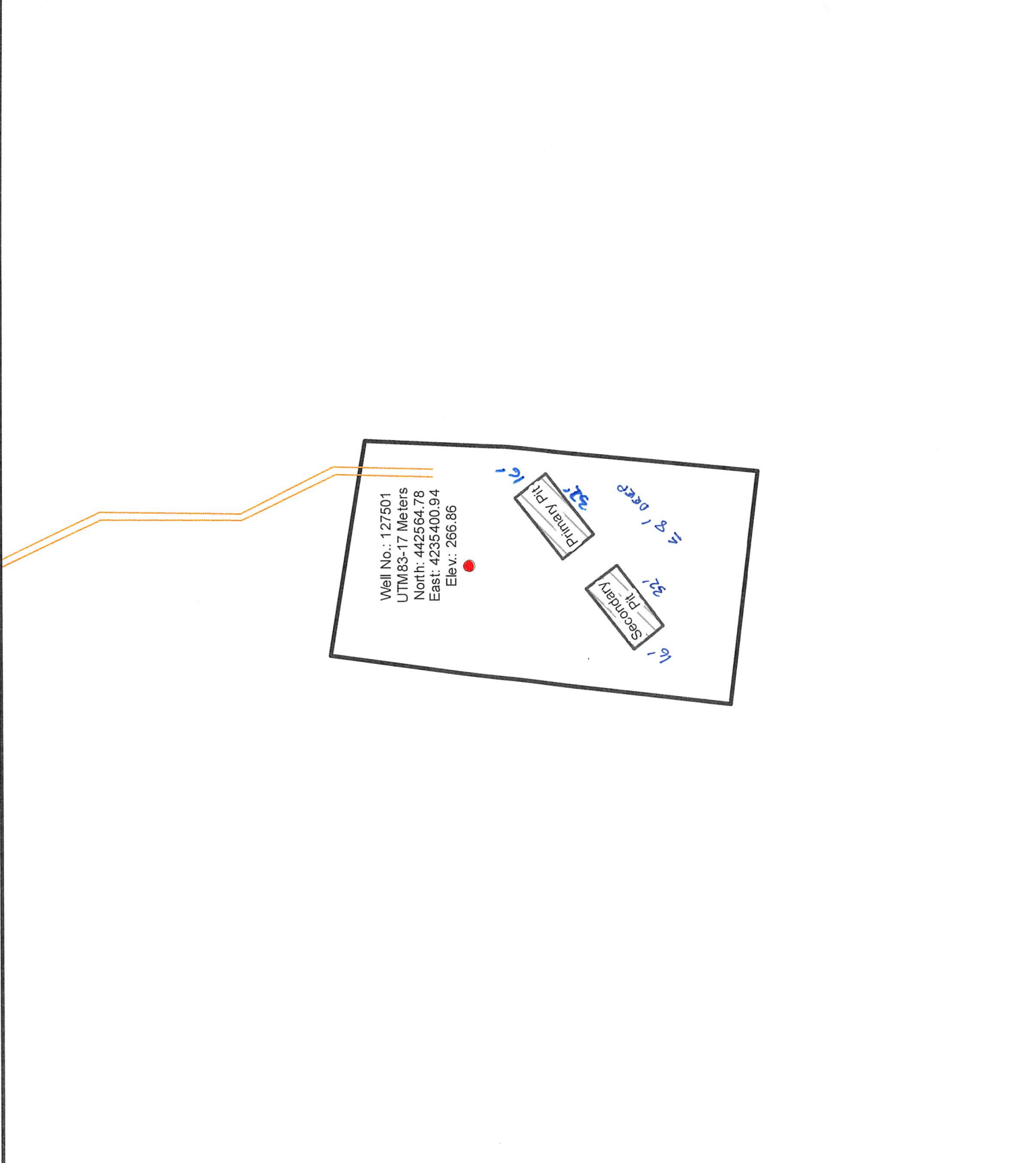
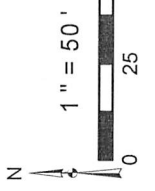
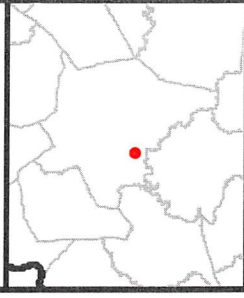
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

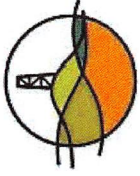
127501

Plugging Map

Legend

- Well
- ✕ Sediment Control
- Access Road
- ▨ Pits
- ▭ Pad










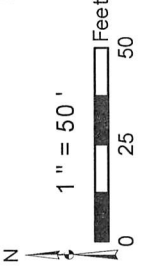
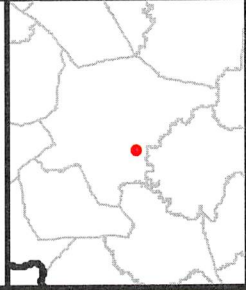
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

127501

Plugging Map

Legend

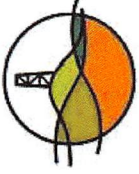
-  Well
-  Sediment Control
-  Access Road
-  Pits
-  Pad



Well No.: 127501
 UTM83-17, Meters
 North: 442564.78
 East: 4235400.94
 Elev.: 266.86

Primary Pit

Secondary Pit



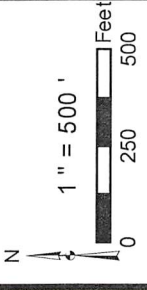
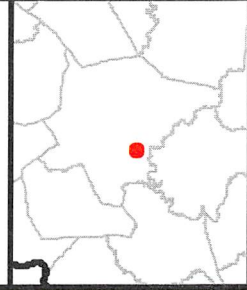
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

127501

Plugging Map

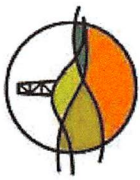
Legend

- Well
- Sediment Control
- Access Road
- Pits
- Pad



Well No.: 127501
 UTM 83-17, Meters
 North: 442564.78
 East: 4235400.94
 Elev.: 266.86

Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



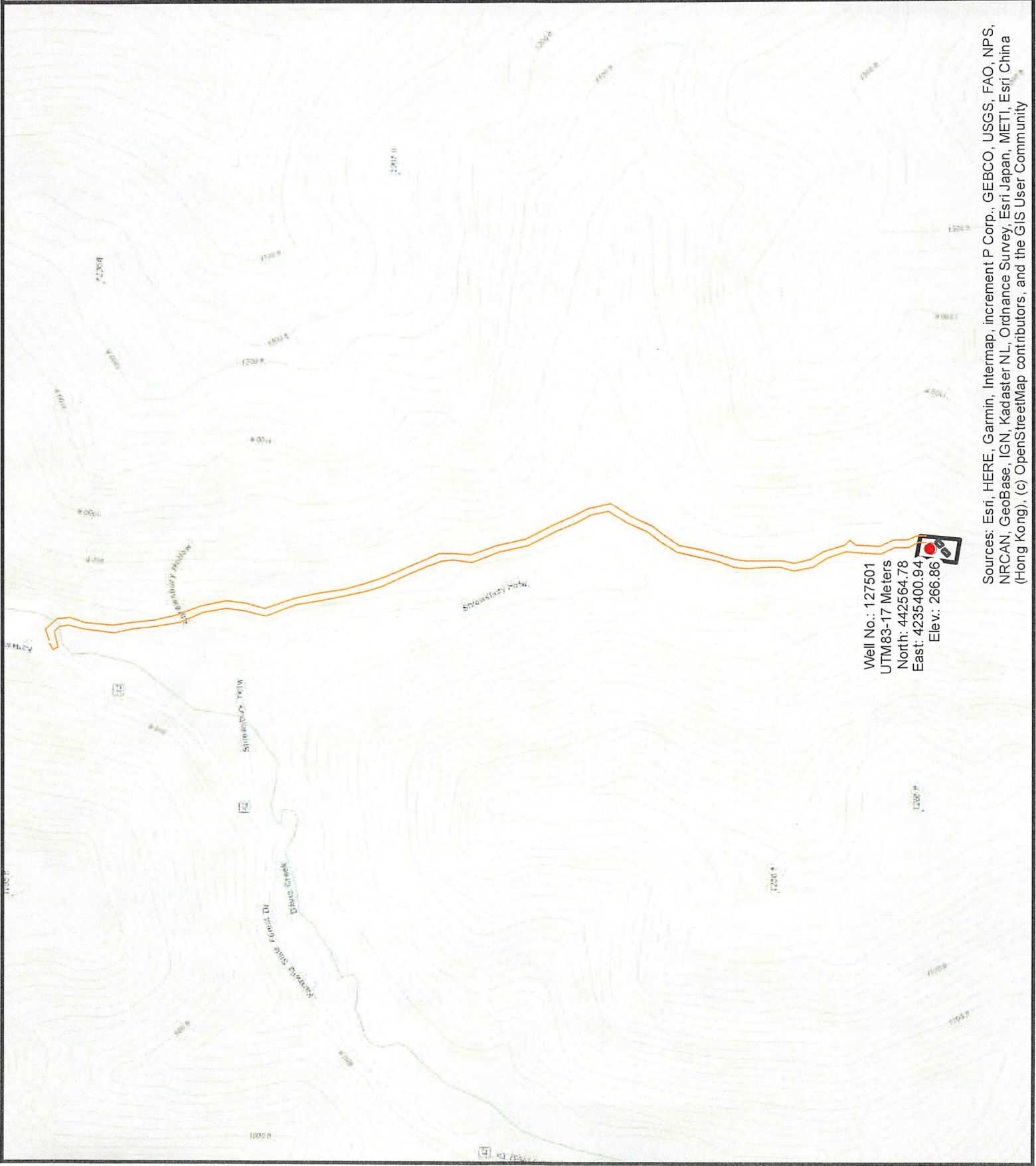
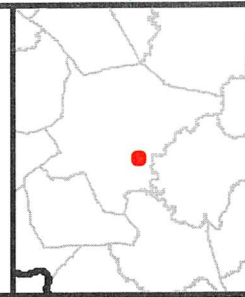
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

127501

Plugging Map

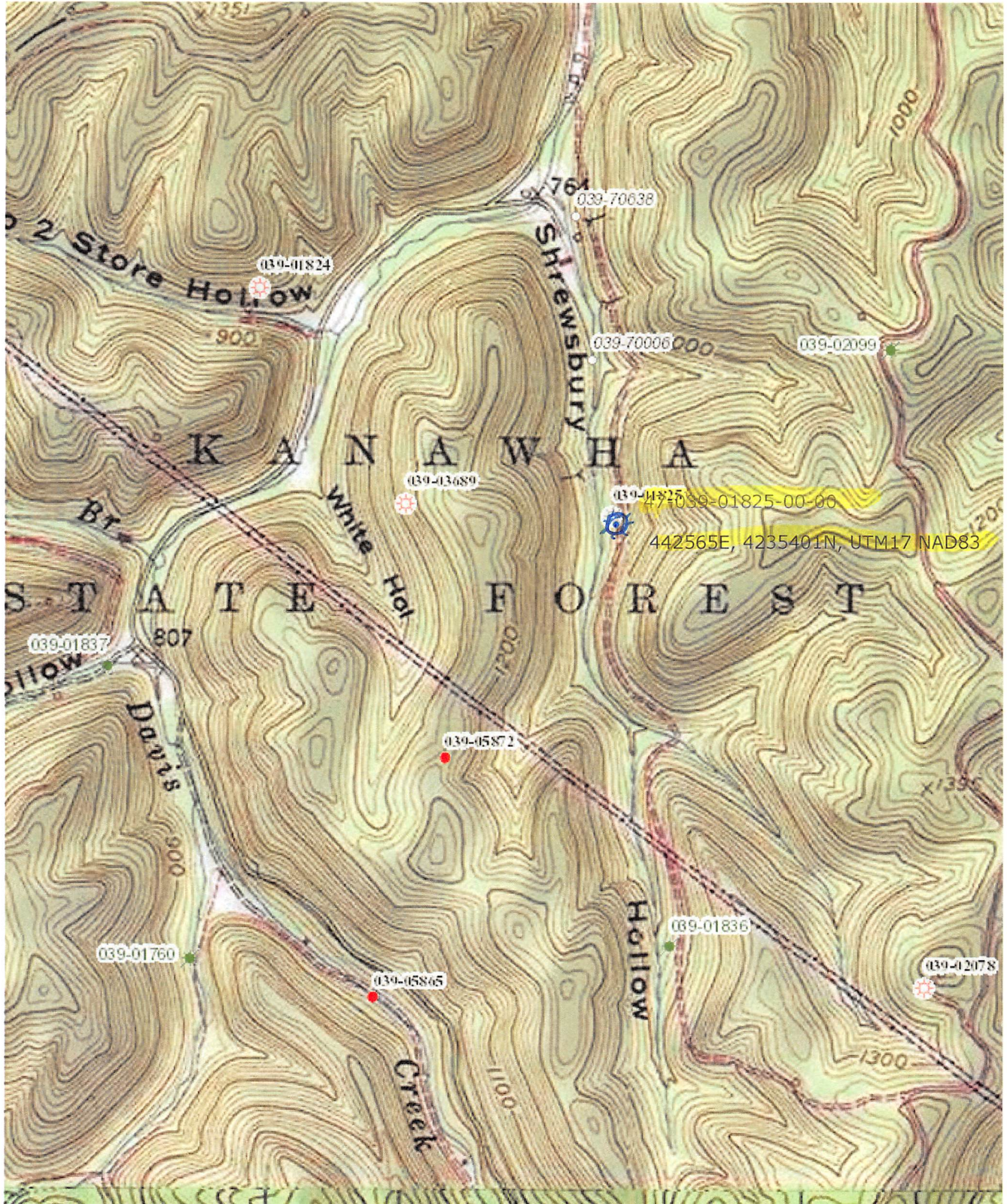
Legend

- Well
- ⊗ Sediment Control
- ▬ Access Road
- ▨ Pits
- ▭ Pad



Well No.: 127501
 UTM 83-17 Meters
 North: 442564.78
 East: 4235400.94
 Elev.: 266.86

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



WW-7
8-30-06



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

API: 47-039-01825 WELL NO.: 127501 Hardy

FARM NAME: Waller C. Hardy Et al.

RESPONSIBLE PARTY NAME: Alliance Petroleum Corporation, LLC

COUNTY: Kanawha DISTRICT: Loudon

QUADRANGLE: Charleston

SURFACE OWNER: Kanawha State Forest

ROYALTY OWNER: Hardy Oil and Gas LLC

UTM GPS NORTHING: 442,564.78

UTM GPS EASTING: 4,235,400.94 GPS ELEVATION: 266.86 meters (878')

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS : Post Processed Differential

Real-Time Differential ____

- 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.

[Signature]
Signature

Engineer III
Title

8-20-19
Date

RECEIVED
Office of Oil and Gas
AUG 27 2019
WV Department of
Environmental Protection