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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, December 4, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

ENERVEST OPERATING, L.L.C., A LIMITED LIABILITY COMPANY  
1001 FANNIN STREET  
SUITE 800  
HOUSTON, TX 77002

Re: Permit approval for 3  
47-013-02640-00-00

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.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name.

James A. Martin  
Chief

Operator's Well Number: 3  
Farm Name: GARRETSON, A.  
U.S. WELL NUMBER: 47-013-02640-00-00  
Vertical Plugging  
Date Issued: 12/4/2020

Promoting a healthy environment.

## 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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

1) Date October 01, 2020  
2) Operator's  
Well No. Garretson, A. #3  
3) API Well No. 47-013 -02640

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 \_\_\_

5) Location: Elevation 955' Watershed Right Fork Steer Creek - Steer Creek  
District Sheridan County Calhoun Quadrangle Arnoldsburg

6) Well Operator EnerVest Operating LLC 7) Designated Agent \_\_\_\_\_  
Address 300 Capitol St. E., Ste 200 Address \_\_\_\_\_  
Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Joe Taylor Name To be determined  
Address 1478 Claylick Road Address \_\_\_\_\_  
Ripley, WV 25271

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See attached procedure.**

WELL RECORDS SUGGEST THAT 2" TUBING WAS USED IN WELL.

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NOV 18 2020  
WV Department of  
Environmental Protection

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

Work order approved by inspector  Date 11-17-2020

Garretson, A. #3  
 API# 47-013-02640  
 Elevation: 955' GL  
 Latitude:  
 Longitude:

General Casing/wc Records

OFF DRILLING COMPLETION 10/23/1928  
 SHOWS 1996' OF 2" ?  
 CEMENT SET @ 1880'

9 1/2"

### Garretson, A. #3 Well Data

Casing: No Surface Csg (pulled during drilling ops)  
 No Intermediate Csg (pulled during drilling ops)  
 ✓ 5-3/16" ?? ppf Csg @ 1850' GL set on shoe  
 2-3/8" 4.6 ppf 11-1/2" V Tbg @ 1984', SN@ 1966.  
 Likely a packer in the hole due to hole in 5-3/16" csg @ 80'.  
 Parmaco Packer potentially at 194'.

TD: ~~1990'~~ 1996'

Latch Down: N/A

Perforations: Shot F/ 1954' - T/ 1944' in 1928  
 Shot F/ 1935' - T/ 1955' in 1957, and frac'd as well.

Recomplete Perfs: N/A

Coal: None Reported

Fresh Water Shows: None Reported

Salt Water Shows: None Reported 1780 - 1825 \* BALKERS / HOLE

Gas/Oil Shows: 1698' - 1703', 1935' - 1955'

### Garretson, A. #3 Procedure:

1. Notify State Inspector, Joe Taylor - (304)-380-7469 - [Joseph.D.Taylor@wv.gov](mailto:Joseph.D.Taylor@wv.gov) 24 hours prior to commencing operations.
2. Prep Garretson, A. #3 location.
3. MIRU service rig, steel pits, work string of 2000' 2-3/8" EUE tbg, and other ancillary equipment.
- ★ 4. Release 2-3/8" packer and TOOH w/ 2-3/8" tbg. ★ WELL RECORD INDICATES 2" TUBING ?
5. 5-3/16" Casing will be ripped and removed from well bore where free. The following cement plugs set will be set, with the order depending on where casing is free and able to be removed. (Recommended to set plugs listed in steps "a" and "c" below prior to removing 5-3/16", with there being no freshwater pipe present.) Cement plugs will be tagged 8 hrs after pumping, with 6% gel being spotted above each plug. Plugs can be combined if rip location is similar to other plugs listed.
  - \* a. 250' plug F/ 1875' - T/ 1625'. Perforations required @ 1680'.
  - b. 100' plug across from casing rip, 50' below and 50' above rip.
  - c. 100' plug F/ 975' - T/ 875'. Perforations are required at 975' if 5-3/16" csg is still present.
  - d. 100' plug F/ 100' - T/ Surface (Surface Plug). Perforations are required at 100' if 5-3/16" csg is still present.
6. Erect a monument to WV DEP specifications (CSR 35-4-5.5 - sub "b").
7. Reclaim location and roads to WV DEP Specifications.

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★ SET GEL INTO SHOT HOLE. TOP OF SHOT IS 1935'

47-03-02640P

Form 115-111-Feb 24

52-51

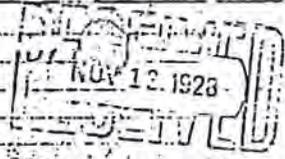
487

GODFREY L. CABOT, INC., RECORD

Well No. 577 Grantsville District  
 Located on W. Herretson Farm No. of Well on this Form 5  
 Sheridan District Calhoun County W. Va. State  
 Location made First work done Initial rock pressure

Rig Completed Oct. 23, 1928  
 Drilling Completed Oct. 23, 1928  
 Drilling Contractor  
 Drillers Hovey E.C. Wilson  
 Torpedo, L 10 D. 3" 10/25" 1928  
 Tool Dressers Hagan Johnson W.M. Stallwer  
 Number of Quarts 20

FORMATION	TOP	BOTTOM	Water Tested Depth	Gas or Oil Depth Tested	OTHER FLUID	REMARKS
Native Coal						
Pittsburgh Coal						
Little Dunkard						
Big Dunkard	1030	1055				
Gas Sand	1060	1390				
First Salt	1592	1670				
Second Salt	1593	1745	Show	Oil & Gas 1698 to 1703		S.L.
Maxon	1780	1825	Water	4-bailers per hour		
Little Lime	1625	1634				
Pencil Cave						
Big Lime	1834	1910				
Keener						
Big Injun.	1910	1986	S.L.	Gas 1935 to 1945		2/10 water in 2"
Well			S.L.	" 1945 to 1955		16/10 water in 2"
Der.						
Gantz						Minute test:
Fifty foot						1m-25 $\frac{7}{8}$ -2m-50 $\frac{7}{8}$ -3m-70 $\frac{7}{8}$ -4m-85
Thirty foot						5m-100 $\frac{7}{8}$ -10m-150 $\frac{7}{8}$ -30m-250 $\frac{7}{8}$
Gordon Stray						60m- 300 $\frac{7}{8}$ .
Gordon						
Fourth						Open flow test after
Fifth						being tubed- 20/10 water
Bayard						in 2".
						24-hr. Rock pressure
						525 $\frac{7}{8}$
TOTAL DEPTH	1996					



TUBING AND CASING RECORD

PACKER RECORD

Size	Changed to well		Left in well		Left in well		Left in well		Size	Kind	Depth Set	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.			Feet	In.
6-5/8			180		180							
5-3/16			1925		1025				5-3/16	Steel Shoe	1350	
2			1850		1850				5-3/6x2"	Anchor Pkr.	1879	11
			1996	5	1996	5						

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 figure if mercury write "M".
- Casing 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 lumpy or harder than ordinary, etc.
- If a better than average flow is found, give steel line measurement.
- Note if water found is fresh or salt.

Approved by

Foreman

58-51

# GODFREY L. CABOT, INC., RECORD

Well No. **487**  
 Located on **A. Garretson** District **Grantsville**  
**Sheridan** District **Calhoun** Farm. No. of Well on this Farm **3**  
 County **West Va.** State \_\_\_\_\_  
 Location made \_\_\_\_\_ First work done \_\_\_\_\_ Initial rock pressure **565**  
 Rig Commenced \_\_\_\_\_ Rig Completed \_\_\_\_\_  
 Drilling Commenced **July 29, 1927** Drilling Completed **Sept. 17, 1927**  
 Rig Contractor \_\_\_\_\_ Drilling Contractor \_\_\_\_\_  
 Drillers **Omer C. Howard & Ed. Merrill** Torpedo, L. \_\_\_\_\_ D. \_\_\_\_\_ DATE \_\_\_\_\_ 19\_\_\_\_  
 Tool Dressers **Grant Fowler & John Collins** Number of Quarts \_\_\_\_\_

FORMATION	TOP	BOTTOM	Water Found Depth	Gas or Oil Depth Found	OPEN FLOW	HOLE	REMARKS
Native Coal							
Pittsburgh Coal							
Little Dunkard							
Big Dunkard	990	1045					
Gas Sand	1230	1370					
First Salt	1570	1642					
Second Salt	S.L. 1677	-	Gas 1680	S.L.	28/10	W. in 2"	
Maxon							
Little Lime							
Pencil Cave							15 hr. Rock pressure 565#
Big Lime							Open flow test after being tubed 20/10 water in 2"
Keener							
Big Injun							
Weir							
Berea							
Gantz							
Fifty foot							
Thirty foot							
Gordon Stray							
Gordon							
Fourth							
Fifth							
Bayard							
TOTAL DEPTH	1682						

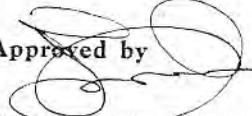
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Size	Charged to Well		Pct in Well		Pulled Out		Left in Well		Left at Well Not in Use		Size	KIND	Depth Set	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.			Feet	In.
10			141		141		995				8 1/2	Shoe S.L.	995	
8 1/2			995								8 1/2 x 2"	Anchor	1688	9
2"			1688	9			1688	9						

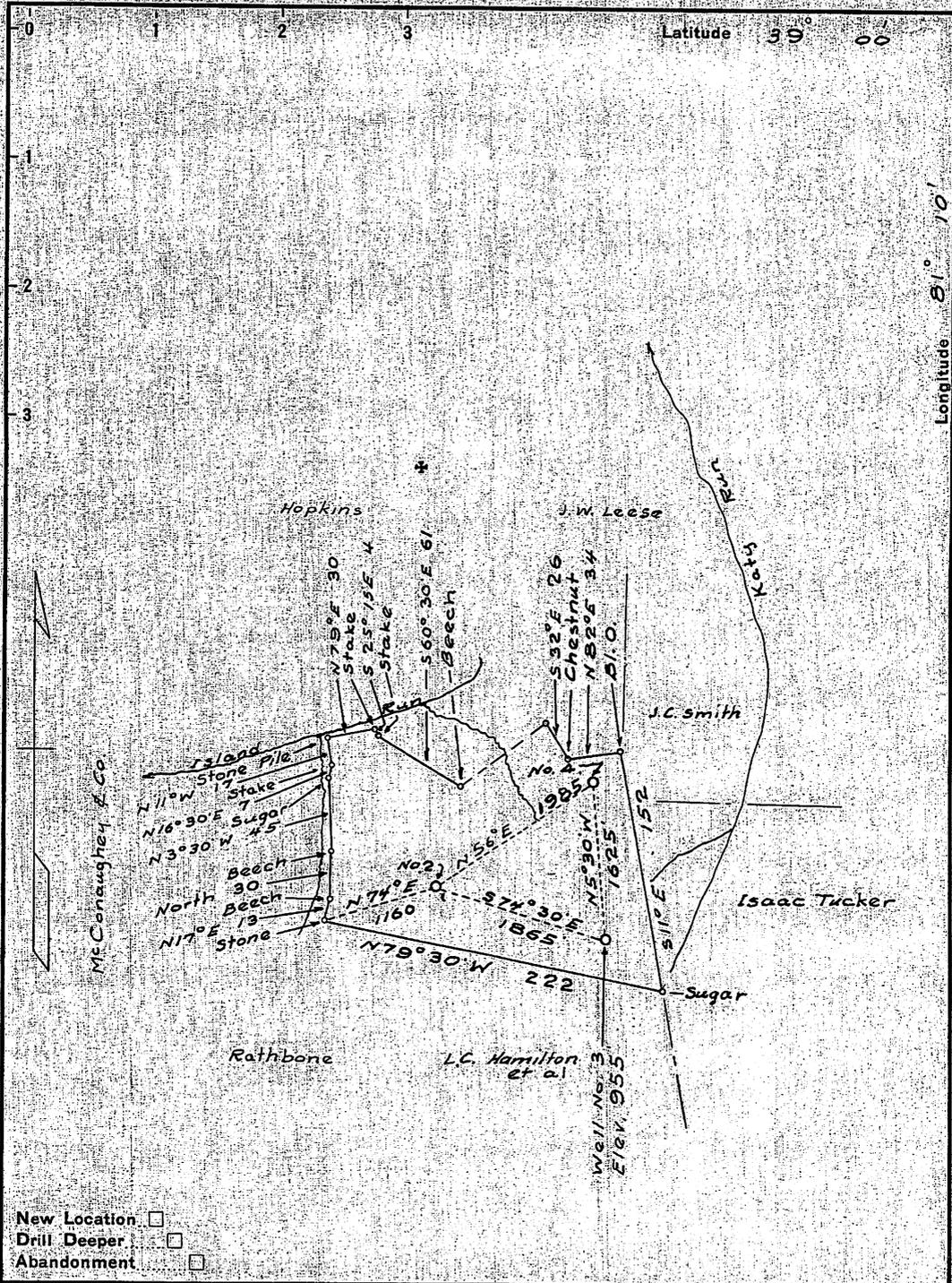
NOTE—If 10" casing cemented, so state, and at what depth \_\_\_\_\_

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 

Foreman



- New Location
- Drill Deeper
- Abandonment

Company Godfrey L. Cabot Inc.  
 Address 900 Union Bldg. Charleston, W.Va.  
 Farm A. Garretson  
 Tract \_\_\_\_\_ Acres 192 Lease No. 1-162  
 Well (Farm) No. 3 Serial No. 487  
 Elevation (Spirit Level) 955  
 Quadrangle Arnoldsburg  
 County Calhoun District Sheridan  
 Engineer Logan McDonald  
 Engineer's Registration No. 610  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date \_\_\_\_\_ Scale 1" = 1320

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

**WELL LOCATION MAP**  
 FILE NO. \_\_\_\_\_

+ 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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47-013-02640P



Select County: (013) Calhoun Select datatypes:  (Check All)

Enter Permit #: 2640

Location  Production  Plugging

Owner/Completion  Stratigraphy  Sample

Pay/Show/Water  Logs  Btm Hole Loc

Get Data Reset

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

WV Geological & Economic Survey:

Well: County = 13 Permit = 2640

Report Time: Thursday, June 04, 2020 3:18:22 PM

Location Information: View Map

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4701302640	Calhoun	2640	unknown	unknown	unknown				

There is no Bottom Hole Location data for this well

Owner Information:

API	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
4701302640	10/23/1928	Original Loc	Completed	A Garretson	3					Cabot Oil & Gas Corp.			

Completion Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT
4701302640	10/23/1928	9/22/1928	955 Ground Level	Unnamed	Undf PRICE b/w INJN	Big Injtn (undiff)	unclassified	unclassified	Gas w/ Oil Show	unknown	Nat/Open H	1990		1990			189

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4701302640	10/23/1928	Show	Oil & Gas	Vertical	1698	2nd Salt Sand	1703	2nd Salt Sand	0	0			
4701302640	10/23/1928	Pay	Gas	Vertical	1935	Big Injtn (undiff)	1945	Big Injtn (undiff)	60	0			
4701302640	10/23/1928	Pay	Gas	Vertical	1945	Big Injtn (undiff)	1955	Big Injtn (undiff)	169	0			

Production Gas Information: (Volumes in Mcf) \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4701302640	Cabot Oil & Gas Corp.	1980	5,147												
4701302640	Cabot Oil & Gas Corp.	1981	1,211	243	168	259	165	131	97	0	148	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1982	4,393	151	119	466	463	431	413	418	424	403	379	359	367
4701302640	Cabot Oil & Gas Corp.	1983	4,101	287	272	376	327	325	388	344	324	297	353	427	380
4701302640	Cabot Oil & Gas Corp.	1984	3,656	459	297	350	293	311	267	254	233	289	393	195	394
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1986	2,916	334	236	193	218	268	231	268	311	293	150	214	200
4701302640	Cabot Oil & Gas Corp.	1987	2,630	98	220	226	287	121	179	277	244	316	229	202	231
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1988	3,047	170	189	207	245	229	292	307	325	236	255	349	243
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1989	4,047	204	251	264	194	271	160	255	561	532	444	560	351
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1990	5,311	487	287	471	926	510	460	380	445	346	425	388	246
4701302640	Cabot Oil & Gas Corp.	1991	4,952	244	528	545	289	411	487	599	450	423	221	219	536
4701302640	Cabot Oil & Gas Corp.	1992	4,210	361	352	320	343	400	399	360	333	321	373	355	293
4701302640	Cabot Oil & Gas Corp.	1993	3,689	310	270	344	316	353	329	337	302	242	266	304	316
4701302640	Cabot Oil & Gas Corp.	1994	3,902	258	239	385	373	346	329	334	361	319	330	314	314
4701302640	Cabot Oil & Gas Corp.	1995	3,467	336	262	250	287	317	245	324	300	271	282	303	290
4701302640	Cabot Oil & Gas Corp.	1996	3,562	284	254	161	268	315	303	307	351	337	321	315	346
4701302640	Cabot Oil & Gas Corp.	1997	4,930	326	1,033	332	329	311	555	522	330	300	300	291	301
4701302640	Cabot Oil & Gas Corp.	1998	4,835	299	308	305	237	232	203	289	585	561	651	635	530
4701302640	Cabot Oil & Gas Corp.	1999	2,250	310	234	299	239	260	242	230	244	192	0	0	0
4701302640	Enervest Operating, LLC	1999	332	0	0	0	0	0	0	0	0	0	74	131	127
4701302640	Enervest Operating, LLC	2000	1,434	90	151	135	109	130	58	183	128	170	152	85	43
4701302640	Enervest Operating, LLC	2001	622	43	60	64	73	50	54	54	54	49	60	50	11
4701302640	Enervest Operating, LLC	2002	412	38	56	29	53	60	57	35	18	21	45	0	0
4701302640	Enervest Operating, LLC	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	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 \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4701302640	Cabot Oil & Gas Corp.	1980	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas of West Virginia (COGC of WV)	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1998	4	0	0	0	0	0	0	4	0	0	0	0	0
4701302640	Cabot Oil & Gas Corp.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
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4701302640	Enervest Operating, LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
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4701302640	Enervest Operating, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4701302640	Enervest Operating, LLC	2017	0												

47-013-02640P

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

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WW-4A  
Revised 6-07

1) Date: 10/01/2020  
2) Operator's Well Number  
Garretson, A. #3  
3) API Well No.: 47 - 013 - 02640

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

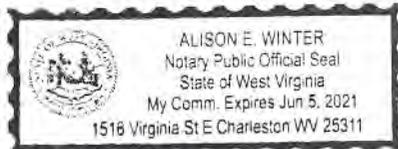
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name Address Elizabeth, WV 26143	Name Address
(b) Name Address	(b) Coal Owner(s) with Declaration Name Address
(c) Name Address	Name Address
6) Inspector Address Telephone	(c) Coal Lessee with Declaration Name Address

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: EnerVest Operating LLC  
 By: Steve Downey  
 Its: Vice President & General Manager  
 Address: 300 Capitol Street East, Suite 200  
 Charleston, WV 25301  
 Telephone: 304-343-5505

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 WV Department of  
 Environmental Protection

Subscribed and sworn before me this 5th day of October, 2020  
Alison E. Winter Notary Public  
 My Commission Expires June 5, 2021

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](mailto:depprivacyofficer@wv.gov).



**ENERVEST**

ENERVEST OPERATING, L.L.C.

1748 Saltwell Road, Dover, Ohio 44622  
Phone: (330) 602-5551

October 21, 2020

VIA USPS CERTIFIED MAIL

Glen H. DePue, Loretta DePue Boggs & Samuel E. DePue  
P.O. Box 277  
Elizabeth, WV 26143

RE: Plugging Permit Garretson A. #3 Well  
API# 47-013-02640  
Sheridan District, Calhoun County, WV

Dear Surface Owner:

Pursuant to Chapter 22 of the West Virginia Code, please find enclosed copies of the following documents relating to the proposed plugging of the subject well:

- Form WW-4A Notice of Application to Plug and Abandon a Well
- Form WW-4B Application for a Permit to Plug and Abandon
- Form WW-7 Well Location Form: GPS
- Form WW-9 Construction and Reclamation Plan and Site Registration Application
- Surface Owner Waiver (2 copies)

This application is being filed by EnerVest Operating, L.L.C. ("EnerVest") with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. If you have no objections to the proposed process for the plugging of this well, please sign the Voluntary Statement of No Objection on the Surface Owner Waiver and return one copy to our office, in the self-addressed, pre-paid envelope that enclosed with this letter.

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Office of Oil and Gas  
NOV 18 2020

Comments as to the location construction or the proposed well work may, pursuant to West Virginia Code, be filed by you with the Administrator within five (5) days after the Application is filed by EnerVest. The address of the Administrator for the purposes of filing comments and obtaining additional information is as follows:

West Virginia Department of  
Environmental Protection

Permit Administrator  
West Virginia Division of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

47-013-02640P



ENERVEST

ENERVEST OPERATING, L.L.C.

1748 Saltwell Road, Dover, Ohio 44622  
Phone: (330) 602-5551

Persons who may file such comments are: (i) the owners of record of the surface of the tract on which the well is or is to be located, and (ii) the owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if such tract is to be utilized for road or other land disturbance described in the Erosion and Sediment Control Plan referred to above; and (iii) except as and when not required by the laws of West Virginia and the rules of the West Virginia Department of Mines, any coal operator operating coal seams beneath the oil and gas leasehold upon which said well is or is to be located as well as the owner(s) and lessee(s), if any of such coal seams.

Sincerely,  
EnerVest Operating, L.L.C.

Troy Valasek  
Senior Landman

Enclosures

cc: File

7019 1640 0001 4233 4397

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Postmark Here  
OCT 25 2020  
DOVER OH

ENERVEST  
Troy V.

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$
Sent To	Glen H. Depue, Loretta Depue Bogges
Street and Apt. No., or PO Box No.	P.O. Box 277
City, State, ZIP+4®	Elizabeth, WV 26143

PS Form 3800, April 2015 PSN 753-021 00-9015 See Reverse for Instructions

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 WV Department of Environmental Protection  
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5660 Boggs

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To  
 Glen H. Depue, Loretta Depue P  
 Street and Apt. No., or PO Box No.  
 P.O. Box 277  
 City, State, ZIP+4®  
 Elizabeth, WV 26143

PS Form 3800, April 2015 PSN 7530-02-000-9063

466H EE2H T000 049T 6T02  
 466H EE2H T000 049T 6T02

**TIME DELIVERED**

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:  
 Glen H. Depue, Loretta Depue Boggs  
 Samuel E. Depue  
 P.O. Box 277  
 Elizabeth, WV 26143

2. Article Number (Transfer from service label)  
 7019 1640 0001 4233 4397  
 9590 9402 5428 9189 4786 12

PS Form 3811, July 2015 PSN 7530-02-000-9063

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent
- B. Received by (Printed Name)  Addressee
- C. Date of Delivery
- D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:  Yes  No

**3. Service Type**

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

47-013-02640

Troy Valasek  
 EnerVest Operating LLC  
 1748 SALTWELL RD  
 DOVER, OHIO 44622

WW-9  
(5/16)

API Number 47 - 013 - 02640  
Operator's Well No. \_\_\_\_\_

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

Operator Name EnerVest Operating LLC OP Code 30-9999

Watershed (HUC 10) Right Fork Steer Creek - Steer Creek Quadrangle Arnoldsburg

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.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No pit to be built, Any well effluent will be contained in tanks and properly disposed offsite)

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. At discretion of contractor.

-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 Steve M. Downey

Company Official (Typed Name) Steve Downey

Company Official Title Vice President and General Manager

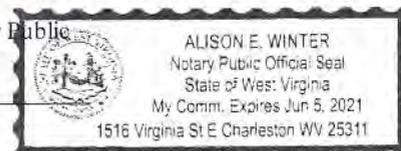
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WV Department of Environmental Protection

Subscribed and sworn before me this 5th day of October, 2020

Alison E. Winter

Notary Public

My commission expires June 5, 2021



*JPZ*

Operator's Well No. \_\_\_\_\_

Proposed Revegetation Treatment: Acres Disturbed 2.00 Prevegetation pH 6.5

Lime according to PH test Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw 2 Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type	lbs/acre
Orchard Grass	25
Birdsfoot Treefoil	15
Ladino Clover	10

Seed Type	lbs/acre
Orchard Grass	25
Birdsfoot Treefoil	15
Ladino Clover	10

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: Joe Taylor

Comments: Sediment control is to be in place at All Time.  
All disturbed areas are to be seeded, limed, fertilized, and mulched.

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Title: OOG Inspector

Date: 11-17-2020

Field Reviewed?  Yes  No



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
GROUNDWATER PROTECTION PLAN

Operator Name: EnerVest Operating LLC

Watershed (HUIC 10): Right Fork Steer Creek - Steer Creek Quad: Arnoldsburg

Farm Name: A. Garretson

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Plugging of shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Plugging of shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Closest Water Body: Little Bear Creek 1,000' +

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

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- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

[Empty rectangular box for text entry]

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

[Empty rectangular box for text entry]

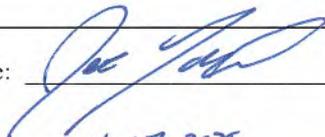
7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

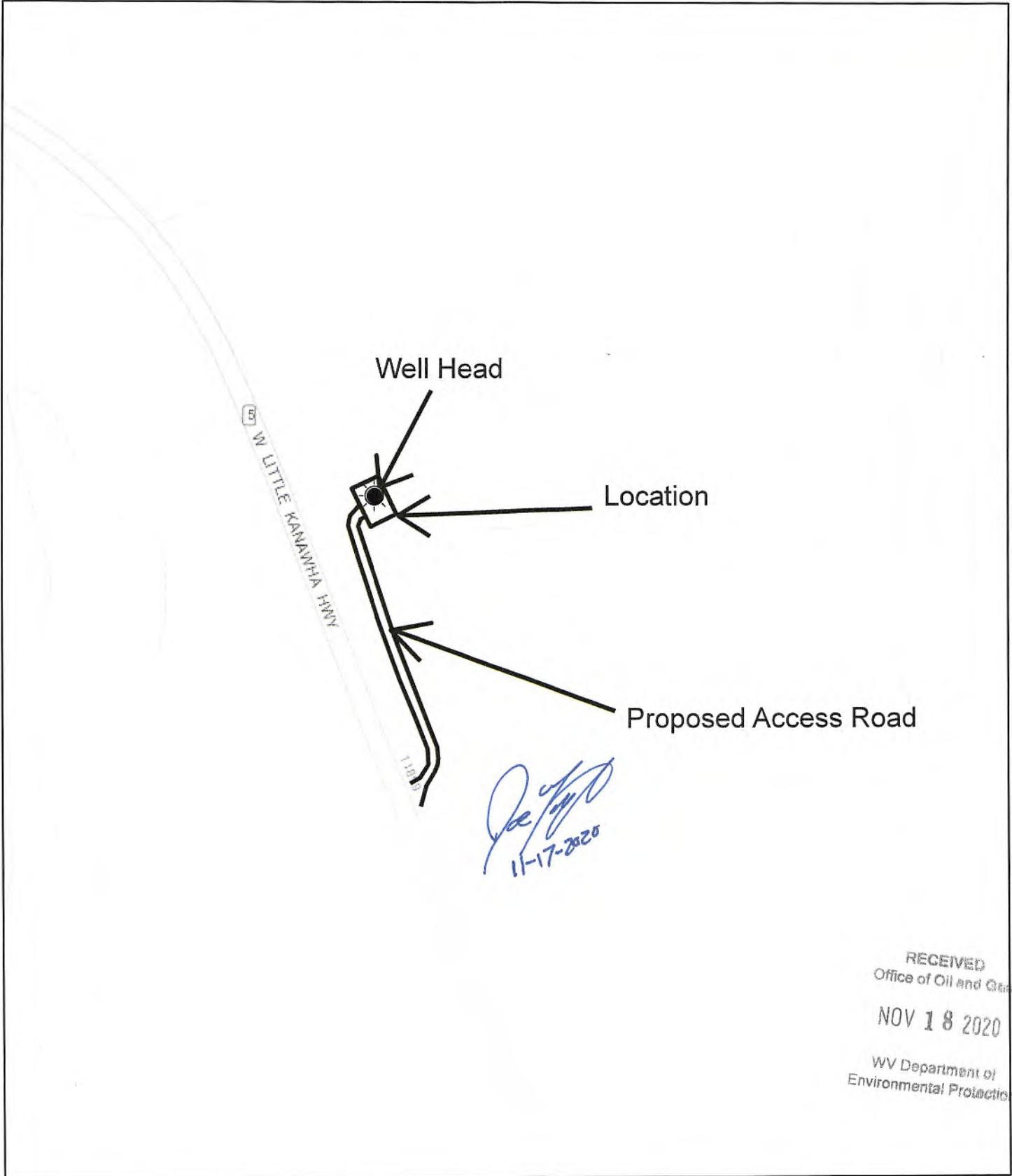
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8. Provide provisions and frequency for inspections of all GPP elements and equipment.

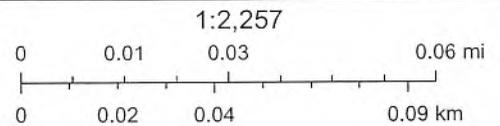
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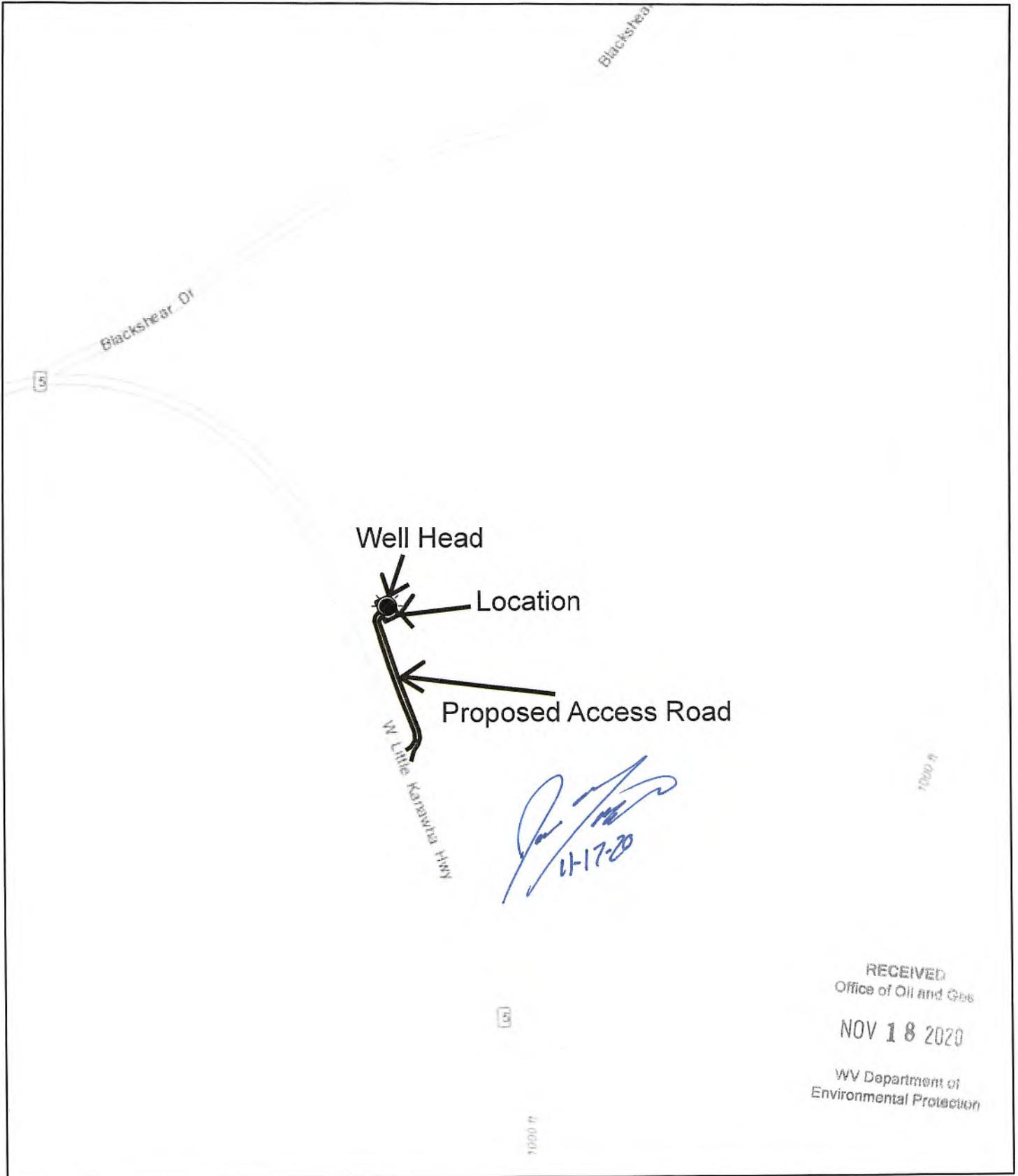
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Signature:   
Date: 11-17-2020

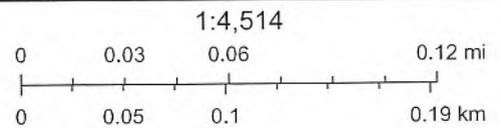


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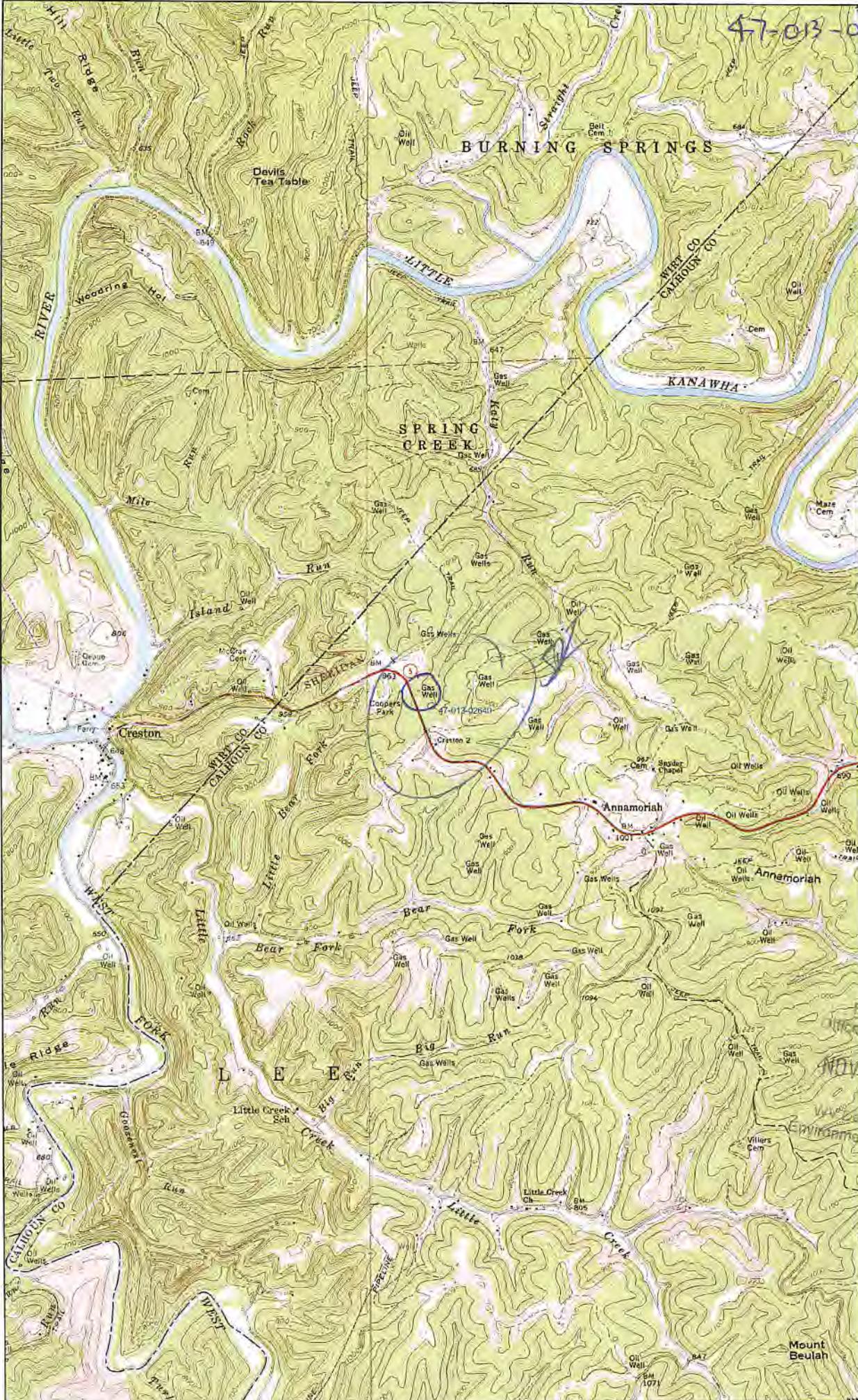




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47-013-02640P



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 Department of Environmental Protection

WW-7  
8-30-06



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

API: 47-013-02640 WELL NO.: Garretson, A. #3

FARM NAME: A. Garretson

RESPONSIBLE PARTY NAME: Troy M. Valasek

COUNTY: Calhoun DISTRICT: Sheridan

QUADRANGLE: Arnoldsburg

SURFACE OWNER: Glen H. DePue, Loretta DePue Boggs & Samuel E. DePue

ROYALTY OWNER: CGAS Properties, L.P.

UTM GPS NORTHING: 4311099.2

UTM GPS EASTING: 478800.4 GPS ELEVATION: 955'

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.

  
Signature

Sr. Landman  
Title

10/26/20  
Date



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Garretson, A. #3  
API# 4701302640P

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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