

#### 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

Wednesday, December 2, 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 11 47-013-00639-00-00

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: 11

Farm Name: HARDMAN, ALLEN

U.S. WELL NUMBER: 47-013-00639-00-00

Vertical Plugging
Date Issued: 12/2/2020

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

WW-4B Rev. 2/01

1) Date October 01 ,	2020
2) Operator's	
Well No. Hardman, A. #11	
3) API Well No. 47-013	- 00639

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

	(II das, Froduction x of one	derground storage) Deep/ Shallow_
).	Location: Elevation 1007.27'	Watershed Middle Little Kanawha River
	District Center	County Calhoun Quadrangle Arnoldsburg
)	Well Operator EnerVest Operating LLC	7) Designated Agent Steve Downey
	Address 300 Capitol St. E., Ste 200 Charleston, WV 25301	Address same
)	Oil and Gas Inspector to be notified Name Joe Taylor	9) Plugging Contractor
	Address 1478 Claylick Road	Name To be determined Address
	Ripley, WV 25271  Work Order: The work order for the mann See attached procedure.	er of plugging this well is as follows:
	Work Order: The work order for the mann	er of plugging this well is as follows:  RECEIVED Office of Oil and Gas
	Work Order: The work order for the mann	RECEIVED
	Work Order: The work order for the mann	RECEIVED Office of Oil and Gas
	Work Order: The work order for the mann	RECEIVED Office of Oil and Gas NOV 1 8 2020
	Work Order: The work order for the mann	RECEIVED Office of Oil and Gas NOV 1 8 2020

Hardman, A. #11 47-013-00639 Elevation: 1007' GL Latitude: 38.914595 Longitude: -81.133809

Hardman, A. #11 Well Data

Casing:

7" 20 ppf Csg @ 1879' GL - Set on shoe

Tubing:

3-1/2" @ 2000' GL - Set on Lynes packer @ 2000'

TD:

2070'

Perforations:

Shot F/ 2036' - T/ 2051' w/ 30 quarts ??

Also stimulated in 1971 through 3-1/2" installed just prior to frac.

Coal:

None Reported

Fresh Water Shows: Salt Water Shows:

None Reported None Reported

Gas/Oil Shows

1635', 1994' - 2051'

#### Hardman, A. #10 Procedure:

 Notify State Inspector, Joe Taylor – (304)-380-7469 – Joseph.D. Taylor@wv.gov, 24 hours prior to commencing operations.

2. Prep Hardman, A. #10 location.

3. MIRU service rig, steel pits, work string of 3000' 2-3/8" EUE tbg, and other ancillary 4. Attempt to pull 3-1/2" tbg. SPOT GEL TO ADOUR SHOT

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NOV I 8 2020

a. If successful, set first cement plug 1975' - 1775'.

b. TOOH to 1575', WOC 8 hrs, RIH & tag plug, add cement if needed.

c. Spot 6% gel from TOC to 50' above location of next cement plug.

WV Department of Environmental Protection

d. Continue operations at step 10.

- 5. If unsuccessful, perform csg Freepoint test on 3-1/2" and record.
- 6. Rip 3-1/2" tbg @ freepoint and POOH.
- 7. TIH w/ 2-3/8" work string and set 200' cement plug just above where 2" pipe was severed.
- 8. TOOH 200' above cement plug, WOC 8 hrs, RIH & tag plug, add cement if needed.
- 9. Spot 6% gel from TOC to to 50' above location of next cement plug.
- 10. Perform csg Freepoint test on 7" and record depth.
- 11. 7" Casing will be ripped and removed from well bore where free. (Recommended to set plugs listed in steps "b" and "c" below prior to removing 7", with there being no freshwater pipe present.) The following cement plugs set will be set, with the order depending on where casing is free and able to be removed. Cement plugs will be tagged 8 hrs after pumping, with 6% gel spotted between each plug. Plugs can be combined if rip location is similar to other plugs listed.
  - a. 100' plug across from casing rip, 50' below and 50' above rip.
  - GHS SHOW b. 100' plug F/ 1615' - T/ 1515'. Perforations are required at 1615' if csg is still present.
  - c. 150' plug F/ 1020' T/ 870'. Perforations are required at 1020' if csg is still present.
  - a. 100' plug F/ 100' T/ Surface (Surface Plug). Perforations are required at 100' if 7" csg is still present.
- 12. Erect a monument to WV DEP specifications (CSR 35-4-5.5 sub "b").
- 13. Reclaim location and roads to WV DEP Specifications.

Form OG-10



#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Rotary Spudder

OIL AND GAS WELLS DIVISION

Cable Tools Storage

Quadrangle Arnoldsburg

WELL RECORD

Permit No. CAL-639	LL RECORD		Oil or G	as Well Gas
Company Cabot Corporation P. O. Box 1473, Charleston, W. Va.	Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm Allen Hardman Acres 101 Location (waters)	6 Size			Kind of Packer
Well No. 11 Elev 1007 District Center County Calhoun The surface of tract is owned in fee by Allen Hardman	10_3/4			Size of
Address Joker, W. Va.  Mineral rights are owned by Cabot Corporation	69% 7"	1879'11"	1879'11"	Depth set
Address Charleston, W.  Address Charleston, W.  Drilling commenced October 23, 1941  Drilling completed November 26, 1941  Date Shot 11-27-41 From 2036 To 2051  With 30 quarts	Va. 4½ 3. 2. Liners Used			Perf. top
Open Flow         /10ths Water in	Inch	cementing reconsistence of the constant used (bags) are Co.  ENCOUNTERED IN ET. IN ET. IN	none  D AT  CHES	No. Ft. Date  FEET INCHES  FEET INCHES  FEET INCHES
WELL FRACTURED (DETAILS) November 9, 1971 we tubing below Lynes packer set at 2000'.				
RESULT AFTER TREATMENT (Initial open Flow or bbls.)	395 Mcf HOURS 2	24		
Fresh Water Feet Feet Producing Sand Injun Sand				

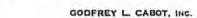
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil Sand	yellow		0 12	12 60			
DSC1117420	yellow		60	100			
Sand			100	225			1
Slate&Shell	1		225	260			
Red Rock		1 1/4					1
Slate&Shell			260	320			
Sand			320	345			4
Slate			345	385			
Sand			385	400			
Red Rock	W0.50%	1	400	412			
Lime	white		412	430			V35 727
Slate	white	100	430	460			S.L. 444
Rock	Red	soft	460	485			RECEIVED
\$1ate	white	hard	485	500			Office of Oil and Gas
Lime	white		500	527			and the contract to
Slate	white	4-7-	527	530			MOV & O sees
Sand	white	soft	530	556			NOV 1 8 2020
Slate	white	soft	556	575	î Y		11.000
Rock	red	soft	575	610			1407 D
Lime	white	hard	610	625			WV Department of
Rock	red	soft	625	665	İ	1	Environmental Protection
Lime	gray	hard	665	677			
Red Rock	red	soft	677	710			
Pink Rock	pink	soft	710	725			
Slate	white	soft	725	762	1		
Sand	white	soft	762	792			
S1ate	black	soft	792	795			
Lime	gray	hard	795	815			
Rock	red	soft	815	900			

	<del></del>	Hard or	<del> </del>	1	07.6	1 = _	1
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			900	930			
Slate Sand	white	1	930 1040	1040 1130			111
Slate	white		1130	1163			1056 S.L.
Sand	white	soft	1163	1290		<u> </u>	·
Slate Sand	black	soft hard	1290 1330	1330	1		
Slate	black	soft	1365	1365 1400			- 1 - M t
Sand	gray	hard	1400	1430			
Slate Sand	black	soft hard	1430 1630	1630 1692		7605 07 0	
Slate	black	soft	1692	1694	Gas	1635 - 27 M	1641 S.L.
Sand	1 kg	hard	1694	1845	Water~	744-1820	مُو
Lime Sand		hard hard	1845 1850	1850 1864			
Slate		liaid	1864	1867		ļ ·	· :
Little Lime			1867	1875	1.		
Slate Lime (Big)			1875 1880	1880 1993			
Sand			1993	2051	Gas	1994-2001 -	33 M 2046 S.L.
Shale	1 4		2051	2098	Gas	1994-2038 -	57 M
					Gas Gas	2046 2051	103 м 189 м
					Gas	2031	105 W
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otal Depth		l	<u> </u>	2098	1		<u> </u>

APPROVED Cabot Corporation, Owner

By Para C, Open Prod. Mugr.

(Title)



## Gal - 639

#### WELL RECORD

SERIAL NO.	- 1: 3·9 .000	-	DEEN	TING DIST	RICT Gra	ntsville	Map Square Lot No. Warrant No.	57-55
	n Hardan		JERA	I ING DIST		11	LEASE NO.	
100 to 10	houn			AX DISTRICT	Center		STATE Ves	
DRILLING COMMENCED		23 )		CHRONIF			Hov. 25, 1941	4
	Brondwater							
	URE RECORD	100000000000000000000000000000000000000	7-20	en en a	ADDRESS		SAND RECORD	
		on tu	birg	-				VCF
Injun Sand		on one		Injun			to 2051 Init. Pro	
Sand	150 lbs.,	in 24	hrs.	#	Sand, f	rom	to Init. Pro	d. M. C. F. C
OPEN FLOW	lbs.,	in	brs.	7	Sand, I		to Init. Pro	d. M. C. F. C
Time, Condition:	when tu	be			) USED IN	LEFTIN	RECORD	
10ths Menouscio	2	inch op	ening	BIZE WEL	SHT DRILLING	WELL	HOW	CARING SET
Volume 169	M. C. F		The state of the s	10-0/4 35	.75 44116	Lone	Coller	
24 HOUR PROD AFTER	TUBING	T		8-5/1 25	.55 1053 1	" cone	Shoo	
M. C. F.		Line Pr	esure	7" 20	2679'11	1.7911	inoc	
no. Oil		in 24	Hours	2-4/1 3.	75 Bouers"	2: 36191	Jackured three	ds on. Poduet 14
UNED AND SHUT IN	Date her	.2. 1	341		1		estimated sere	wage
2"x6-5/6"x16" ncker, Size	Kind Grs A			4				
t, Depth 194	Size Anchor	0.0		i	-			
erf. Top 2064	Hottom	805	-			SHOOTIS	G RECORD	160 L 4 4450
erf. Top	Bottom			Shot with	ii. its for	m T 5	to 205.1 Date	ov. 27, 1941
ELEVATION:	200	÷ _	Distance of	Gauge Before				
emination of the	1-1	-	77	E Tree - Line				
FORMATION	COLOR	TOP	BOTTON	MENTS	HARD OR OIL.	ATER FOUND	BELOW S. L.	*EMARKS
Top Soil		O	12					
Sand	Yellow	12	. 60					
Sand		- éG	100	p 4		- E		
Slata hell		10	215				1 - 9	
fied _pek	= t	225	260					
Clate oll		:.30	520					
Se nd		520	. 345				1	
Slate	,	J. 5	245					
Sond		301	400	140				
ked koak		400	112	1				
Line	, d.lto	:12	:30	:. L.			1	
Slate	hite.	. 30	60	144				
Rock	Lod	160	<b>4</b> 05		Sort		- 3	
Slate	mite	- 6	501		s rd			
Line	1.150	Sr. L.	52.1				9	
Sloto		117	wat			3	4	
Send	4174	34	- L	2.5	Cort		1	P* .
Sinte	i 4	11	- 75	10	Loft		5 11 6	3770
Roc!	* E-1	16	4.16		Loft		FER 19	42 70%
Lin.c	i.c	310	. 1.0		rrd		E PER	Paris 3
Rock	00	02%	(2)		-01t		little Com	City 3
Limo	ray	GGE	077		brd		Ind.	S
Rod Lock		477	710		Sort		. SEE	1.413
Mary and Mary	inl	710	725	- 1	Soft		F-3.2	2
Rock Slefe	idte	725	762		Soft			

FORMATION	COLOR	TOP	воттом	STEEL LINE MEASURE- MEATS	HARD OR	OIL, GAS	DEPTH	DISTANCE ABOVE OR	REMARKS
Sond	White	700		MENTO		OR WATER	FCUND	DELOW S. L	
-		762	792	,	Soft	: 4		•	
Slato Li	ilnek	792	735	:	Saft	•	· !		
Lime nasta	Lray	705	<b>515</b>	:	crd		•		
Rock	hed	15	900		≥oft	•			
L <u>ire</u>	1	000	930			•		•	
Clate C	l-hito	730	1040	L.L.					•
Sand		1040	1130	1056					!
Slato	Milte	1130	1163	•				•	
Srnd	hite	1163	1200	: •	Soft				
Slate	.E le ck	1290	, 1330	:	init				
Ennd	•	1230	1535		rrd				
ilnto	Black	1565	1400		icft				
Sand	Gray	1.00	1430		.21d				
Slate	Block	1430	1620		oft				
Sand		1650	15/32	1011	or rd	<i>i</i> ∙ s	1685		
S1rte	::Inck	109::	1604	:	-cft				•
enid	•	1692	1645		.nrd				
Liz::o		1.45	1.50		nr4				•
Sand	:	16.50	1064		rrd				
Clote		1.0:	1.67				•		
Litilo nine	:	1007	175		•				
Inte		1.75	1.10						
ine		1000	1003						
in aid	- ,		<b>L</b> ( 1	20:3		in a	1.		33 ·
Shalo		::Ct 1	2095				2001 1,531		P.** •
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	•			•			# .1		150 <u>:</u>

TOTAL DEPTH

20.0

APPROVED FOREMAN



Select County: (013) Calhoun ✓ Select datatypes: ☐ (Check All) Enter Permit #: 0639 ☑ Location ☑ Production ☑ Plugging ☑ Owner/Completion ☑ Stratigraphy ☑ Sample Get Data Reset ☑ Logs ☑ Btm Hole Loc ☑ Pay/Show/Water

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

WV Geological & Economic Survey:

Well: County = 13 Permit = 0639

Report Time: Thursday, June 04, 2020 1:47:51 PM

 Location Information:
 View Map

 [API]
 COUNTY
 PERMIT
 TAX\_DISTRICT
 QUAD\_75
 QUAD\_15
 LAT\_DD
 LON\_DD
 UTME
 UTMN

 4701300639
 Calhoun
 639
 Center
 Annamoriah
 Arnoldsburg
 38.910923
 -81.136013
 488207.6
 4306900.5

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 4701300639 11/-/1971 Worked Over Completed Allen Hardman Cabot Oil & Gas Corp 11 1000

Completion Information

CMP\_DT SPUD\_DT ELEV DATUM ELEV DATUM FIELD DEEPEST\_FM DEEPEST\_FM INITIAL\_CLASS FINAL\_CLASS TYPE RIG CMP\_MTHD TVD TMD NEW\_FTG KOD G\_BEF G\_AFT 1007 Ground Level Gmtsvl-Amldbg Big Injun (Gmbr) Big Injun (Gmbr) Development Well Development Well Gas Cable Tool Fractured 2051 0 0 395 4701300639 11/-/1971 -/-/-

Pay/Show/Water Information:

API CMP\_DT ACTIVITY PRODUCT SECTION DEPTH\_TOP FM\_TOP DEPTH\_BOT FM\_BOT 4701300639 114/1971 Pay Gas Vertical 2051 Big Injun (Gmbr) G\_BEF G\_AFT O\_BEF O\_AFT WATER\_QNTY

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

1979 1980 1981 1982 1983 1986 1987 1988 1989 1990 1991 1992 1993 1995 1999 2001 2003 2005 2008 2010 2011 2014 2015 2016 4701300639 Enervest Operating, LLC

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.

| Production Oil Information: (Volumes in Bbl) | \*\* sor API | PRODUCING, OPERATOR | A701300639 | Cabot Oil & Gas Corp. | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 4701300639 | 47 00000 00000 1986 1987 4701300639 Cabot Oil & Gas Corp.
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NOV 18 2020

WV Department of **Environmental Protection** 

roduction NGL 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.

PI PRODUCING\_OPERATOR PRD\_YEAR ANN\_NGL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DCM

4701300639 Enervest Operating, LLC 4701300639 Enervest Operating, LLC 4701300639 Enervest Operating, LLC 4701300639 Enervest Operating, LLC 2014 0 0 0 0 0 0 0 0 0 0 0 0 2015

2018

Stratigraphy Information

4701300639 Enervest Operating, LLC

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4701300639	Worked Over	Little Lime	Well Record	1867	Reasonable	8	Reasonable	1007	Ground Level
4701300639	Worked Over	Greenbrier Group	Well Record	1880	Reasonable	161	Reasonable	1007	Ground Level
4701300639	Worked Over	Big Lime	Well Record	1880	Reasonable	103	Reasonable	1007	Ground Level
4701300639	Worked Over	Big Injun (Gmbr)	Well Record	1993	Reasonable	58	Reasonable	1007	Ground Level
4701300639	Worked Over	Price Fm & equivs	Well Record	2051	Reasonable	47	Reasonable	1007	Ground Level

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

There is no Plugging data for this well

FORM OG-

#### STATE OF WEST VIRGINIA

## DEPARTMENT OF MINES OIL AND GAS DIVISION

July 23, 41

#### WELL DRILLING PERMIT

	Permit 1	10. <u>CAI</u> —639
	September 19.	, 1941
TO GODFREY L. CAROT, INC.	LOCATION OF WELL:	
-900 UNION BUILDING	CENTER	DISTRICT
STREET		
		RECEIVED
CHAIGESTON, WEST VIRGINIA	CALHOUN	Office of Piland G
		NOV 1 8 202
	WELL NO. 11-Sr-1000	1101 1 2 101
	M EDIT 1/10 - TT#25.∞T∩O∩-	WV Department of Environmental Prote
	ALLIE HARDMAN	FARM
The Department of Mines received your Notic	e and Plat of the Well described above on t	ne <u>9th</u> day of
Soptember , 194 , she	owing proposed location for drilling an oil	or gas well.
Ten days having expired since the receipt of coal owners, coal operators, or the Department of I to drill strictly in accordance with the several pro and located as above shown and more particularly	Mines, the location is approved and permissivisions of Chapter 22, Code of 1931, the W	sion is granted you Tell to be numbered
This Permit is assignable either by separate or of the right to drill therefor at said location, until he shall have filed with the Department of M or as an incident to which such assignment was	but no such assignment shall entitle the assi ines a certified, or sworn copy of the instrum	gnee to drill thereat
In case the well is not commenced within four no further force or effect.	nonths from the above date, this Permit sha	all expire and be of

JARRETT PRINTING COMPANY, CHARLESTON, W. VA.

RECEIVED Office of Oil and Gas

NOV 1 8 2020

WV Department of **Environmental Protection** 

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS DIVISION

#### NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

COAL OPERATOR OR COAL OWNER	NAME OF WELL OPERATOR
ADDRESS6*	COMPLETE ADDRESS
COAL OPERATOR OR COAL OWNER	
COAL OPERATOR OR COAL OWNER	PROPOSED LOCATION
ADDRESS	District
OWNER OF MINERAL RIGHTS	County
r i i i i i i i i i i i i i i i i i i i	Well No.
ADDRESS	
	Farm
NTLEMEN:	
	ill upon the above named farm or tract of land for
	ay be) under grant or lease dated
	by <u> </u>
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CHARLESTON, W. VA.

#### CHARGET L. CARCE, INC.

#### CASTON REPORT

CHESTON GODFREY L CABOT ING YOUR ALLEN HARDMAN

Well No.: // Ser. No.: /000 Warrant No.: 53

1007 Elev. 197



56

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NOV 1 8 2020

WV Department of Environmental Protection STATE OF WEST VIRGINIA

Oil and Gas Division DEPARTMENT OF MINES

PERMIT TO FRACTURE WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, AND LEFORE JULY 1, XXXXX 1969

TO: CABOT CORPORATION
Well Operator

1400 CHARLESTON NATIONAL PLAZA Street

CHARLESTON

City or Town

WEST VIRGINIA 25301

State

Permit No. CAL-639-FRAC.
Well No. 11 S-1000
Farm ALLEN HARDMAN
Acres 1016

The Division of Oil and Gas of the Department of Mines, received your notice of intent to fracture the above-styled well on the <a href="https://linear.notice.org/linear.noti

In view of ten days having expired (and/or prior written consent has been given by all necessary Coal Operators and received by the Department ) since the receipt of notice of intention to fracture by the Well Operator and no objections having been made by the Coal Operator or Operators or by the Department of Mines, the fracturing notice is hereby approved, and permission is granted the Well Operator to fracture the said well in accordance with amended Article 4 of Chapter 22 of the West Virginia Code, effective July 1, 1963. Said well is located as shown hereinabove and more particularly as also shown on the well location map.

PROVIDED FURTHER if the above-named tract of land is being actively mined for coal, the Well Operator shall notify the Coal Operator and the Deputy Director for Oil and Gas 24 hours in advance of the time and day and date actual fracturing of said well shall commence.

In case the well is not fractured within four (4) months from the above date, this Permit shall expire and be of no further force or effect.

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WV Department of Environmental Protection

Deputy Director Oil and Gas for the Department of Mines

47-013 - 00639 P



New Location + Drill Deeper Abandonment

Address 900 UNION BLOG CHARLESTON HVA
Farm ALLEN HARDMAN
Tract Acres 1016 Land Mb. 1-131
Well (Farm) No. 11 Serial No. 1000
Elevation (Spirit Level) 1007 27
Quadrangle Accoldaburg
County CALHOUN District CENTER
Engineer's Registration No. 275
File No. Drawing No.

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 I to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WW-4A Revised 6-07

1) Date: 10/01/2020			
2) Operator's Well Numb Hardman, A. #11	oer		
3) API Well No.; 47 -	013	 00639	

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

4) Surface Ow			(a) Coal Operator	
(a) Name	Bee Creek Hunting Club, Ir	IC.	Name	
Address	PO Box 844		Address	
(b) Nome	Grantsville, WV 26147			*
(b) Name	-	-	(b) Coal Owner(s) with Declarati	on
Address			Name See attachment.	
			Address	
(c) Name			Name	
Address	(Fee		Address	
C\ Tavasatau	los Távilos		() () ()	
6) Inspector	Joe Taylor		(c) Coal Lessee with Declaration	
Address	1478 Claylick Road	<del>(1)</del> /	Name	
Telephone	Ripley, WV 25271 304-380-7469		Address	
retephone	0010001100		-	
However, y Take notice accompany Protection, the Applica	ou are not required to take any e that under Chapter 22-6 of the ring documents for a permit to with respect to the well at the	ne West Virginia Coo plug and abandon a location described of mailed by registered	ights regarding the application which are summarized in the undersigned well operator proposes to file or hat well with the Chief of the Office of Oil and Gas, West on the attached Application and depicted on the attached or certified mail or delivered by hand to the personvery to the Chief.	s filed this Notice and Application and Virginia Department of Environmental d Form WW-6 Report Whits Notice.
				1101 1 0 7 117 11
				W 10 At 32
		Well Operator	EnerVest Operating LLC	WV Department or
		Well Operator By:	Steve Downey	WV Department of Environmental Protection
ALISO	ON E. WINTER	By: Its:	Steve Downey Vice President & General Manager	
Notary P	ON E. WINTER Public Official Seal	By:	Vice President & General Manager 300 Capitol Street East, Suite 200	
Notary P State My Comm.	ON E. WINTER Public Official Seal of West Virginia . Expires Jun 5. 2021	By: Its: Address	Vice President & General Manager 300 Capitol Street East, Suite 200 Charleston, WV 25301	
Notary P State My Comm.	ON E. WINTER Public Official Seal of West Virginia . Expires Jun 5. 2021	By: Its:	Vice President & General Manager 300 Capitol Street East, Suite 200	
Notary P State My Comm. 1516 Virginia St E 0	ON E. WINTER Public Official Seal of West Virginia . Expires Jun 5. 2021	By: Its: Address Telephone	Vice President & General Manager 300 Capitol Street East, Suite 200 Charleston, WV 25301	Environmental Protection
Notary P State My Comm. 1516 Virginia St E 0	ON E. WINTER Public Official Seal of West Virginia Expires Jun 5. 2021 Charleston WV 25311  sworn before me this	By: Its: Address Telephone	Vice President & General Manager 300 Capitol Street East, Suite 200 Charleston, WV 25301 304-343-5505	Environmental Protection

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.

#### ATTACHMENT TO FORM WW-4B HARDMAN, A. #11 API WELL NO.: 47-013-00639

5) (b) Coal Owner(s) with Declaration:

Name:

Julia Baysinger

Address:

173 Columbus St.

Sebastian, FL 32958

Name:

Natalie Lynn Smith 9456 Reading Rd.

Address:

Cincinnati, OH 45215

Name:

Melanie Sue Smith (O'Callaghan)

Address:

1681 Oak Crest Ct.

Marietta, GA 30066

Name:

Kathryn S. Sayre, Trustee

Kathryn S. Sayre Revocable Trust, Dated 3/4/2014

Address:

2085 Pennsylvania Ave. St. Albans, WV 25177

Name:

Laure Pollack Reed

Address:

2085 Pennsylvania Ave.

St. Albans, WV 25177

Name:

Carolyn J. Taylor

Address:

608 Grandview Dr.

Spencer, WV 25276

Name:

Barbara E. Weiner Nichols

Address:

207 Beauty St.

Spencer, WV 25276

Name:

Charles Frederick Varda

C/O Varda Oil & Gas, Inc.

Address:

3557 Ripley Rd.

Spencer, WV 25276

Name:

John Allen Varda

C/O Varda Oil & Gas, Inc.

Address:

3557 Ripley Rd.

Spencer, WV 25276

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WV Department of Environmental Protection Name:

Melinda Ann Ashley

C/O Varda Oil & Gas, Inc.

Address:

3557 Ripley Rd.

Spencer, WV 25276

Name:

**EDCO Minerals, LLC** 

Address:

6394 US HWY E

Glenville, WV 26351

Name:

Rebecca Elberfeld Hoge

Address:

PO Box 114

New Knoxville, OH 45871

Name:

Tuason Living Trust, dated July 21, 2016

Address:

2340 Cascade Ave., NW

East Wenatchee, WA 98802

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WV Department of Environmental Protection



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

October 21, 2020

#### VIA USPS CERTIFIED MAIL

Bee Creek Hunting Club, Inc. P.O. Box 844 Grantsville, WV 26147

RE:

Plugging Permit Hardman A #11 Well

API# 47-013-00639

Center 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.

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:

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WV Department of Environmental Protection

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



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 ad 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

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WV Department of Environmental Protection

	U.S. Postal Service
E922	CERTIFIED MAIL® RECEIPT  Domestic Mail Only
	For delivery information, visit our website at vivviu sps.com
HE33	Certified Mail Fee \$ Extra Services & Fees (check box, add rea and appropriate)
1000	Return Receipt (hardcopy) \$   Postmerk   C     Certified Mail Restricted Delivery \$   Here     Adult Signature Required     Adult Signature Restricted Delivery \$   Postage
TPHO	Postage & Enervest 13 Total Postage and Pees
7014	Sent To Bee Creek Hunting Club, Inc. Street and No., or PO Box No. P.O. Box 844 Gity, State, 21P449
	Form 3800, April 2015 PSN 7888878 See Rev 31864 for Instructions

unting Clob, Inc. 64198 AM

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Extra Services & Fees (check box, add fee as appropriate)
Heturn Receipt (hardcopy)
Heturn Receipt (electronic)
Certifled Mail Restricted Delivery
Adult Signature Required
Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

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Postmark Here

Sant To Bee Creek Hunting Club, Inc Street and Apt. No., or PO Box No. P.O. Box 844

Grantsville, WV 16147
PS Form 3800, Antil 2015 15 15 16 147

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NOV 1 8 2020

WV Department of Environmental Protection

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> </ul>	A. Signature	☐ Agent☐ Addressee	
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name)	C. Date of Delivery	
1. Article Addressed to: Bee Creek Hunting Club, Inc. P.O. Box 844 Grantsville, WV 26147	D. Is delivery address different from If YES, enter delivery address b	nitem 1? ☐ Yes pelow: ☐ No	
9590 9402 5428 9189 4787 04  2. Article Number (Transfer from service label) 7019 1640 0001 4233 2263	3. Service Type  ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail® ☐ Collect on Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Heavilud Mail ☐ Mail Restricted Delivery ☐ \$500)	□ Priority Mail Express® □ Registered Mail™ □ Registered Mail Restricted Delivery □ Return Receipt for Merchandise □ Signature Confirmation™ □ Signature Confirmation Restricted Delivery	
PS Form 3811 July 2015 PSN 7530-02-000-9053		Domestic Return Receipt	



1-013-006391

WV Department of Environmental Protection

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

October 21, 2020

#### VIA USPS CERTIFIED MAIL

Julia Baysinger 173 Columbus St. Sebastian, FL 32958

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

Dear Coal 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
- Coal 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.

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:

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

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WV Department of Environmental Protection



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 ad 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

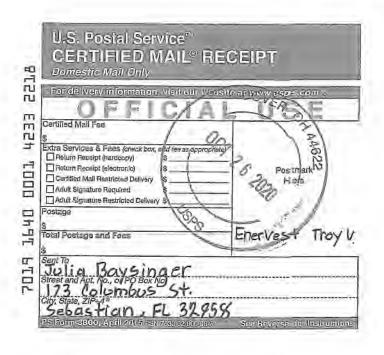
Enclosures

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WV Department of Environmental Protection



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Sent To
Julia Baysinger
Street and Agt. No., of PO Box No.
173 Columbus St.
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Oliv, State, 21944 Sebastian , FL 32,958 PS Form 3800, April 2015 PSN 7580-02-000-8047

RECEIVED Office of Oil and Gas

NOV 1 8 2020

WV Department of Environmental Protection

#### SENDER: COMPLETE THIS SECTION A. Signature Complete items 1, 2, and 3. ☐ Agent Print your name and address on the reverse X ☐ Addressee so that we can return the card to you. B. Received by (Printed Name) C. Date of Delivery Attach this card to the back of the mailpiece, or on the front if space permits. D. Is delivery address different from item 1? Yes 1. Article Addressed to: If YES, enter delivery address below: Julia Baysinger 173 Columbus St. Sebastian, FL 32958 ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Signature Confirmation™ 3. Service Type ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery

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PS Form 3811, July 2015 PSN 7530-02-000-9053

2. Article Number (Transfer from service label)

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☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt





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

October 21, 2020

#### VIA USPS CERTIFIED MAIL

Natalie Lynn Smith 9456 Reading Road Cincinnati, OH 45215

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

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



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

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Sincerely,

EnerVest Operating, L.L.C.

Troy Valasek Senior Landman

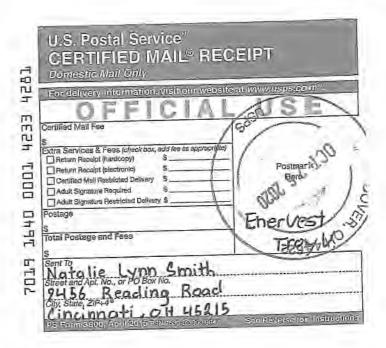
Enclosures

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WV Department of Environmental Protection



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NOV 1 8 2020

WV Department of Environmental Protection

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Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name)  C. Date of Del	ivery
1. Article Addressed to: Natalie Lynn Smith 9456 Reading Road	D. Is delivery address different from item 1? ☐ Yes if YES, enter delivery address below: ☐ No	
Cincinnati, OH 45215		
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1748 Saltwell Road, Dover, Ohio 44622 Phone: (330) 602-5551

October 21, 2020

#### VIA USPS CERTIFIED MAIL

Melanie Sue Smith (O'Callaghan) 1681 Oak Crest Ct. Marietta, GA 30066

RE: Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

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West Virginia Division of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304



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

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Sincerely,

EnerVest Operating, L.L.C.

Troy Valasek Senior Landman

Enclosures

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1-	Sent To Melanie Sue Smith (O'Callaghan) Sitest and Apt. No., or FO BOX No. LEST Date Crest Ct. City State 28-48 Marietta, 6A 30066
1	PS Form 3860, April 2015 #St/7530022002807 See Reverse to Instructions

Smith (O'Callaghan) + Ct. - 30066

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1681 Oak Crest Ct.

Marietta, BA 30066
PS Form \$3000, April 2015 PSN 7550-02:000:5027 Adult Signature Restricted Delivery \$ 1640

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WV Department or Environmental Protection

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1748 Saltwell Road, Dover, Ohio 44622 Phone: (330) 607-5551

October 21, 2020

#### VIA USPS CERTIFIED MAIL

Kathryn S. Sayre, Trustee Kathryn S. Sayre Revocable Trust, Dated 3/4/2014 2085 Pennsylvania Ave. St. Albans, WV 25177

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

Office of Durind Gira

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West Virginia Division of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304



1748 Saltwell Road, Dover, Ohio 44522 Phone: (330) 602-5551

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Sincerely,

EnerVest Operating, L.L.C.

Troy Valasek Senior Landman

Enclosures

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Sayre, Trustee
Sayre Revocable Trust
ylvania Ave.

St. Albans, WV 25177

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WV Department of Environmental Protection

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EnerVest Operating LLC 1748 SALTWELL RD 20VER, OHIO 44622

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

October 21, 2020

### VIA USPS CERTIFIED MAIL

Carolyn J. Taylor 608 Grandview Dr. Spencer, WV 25276

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

Dear Coal 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: RECEIVED Office of Off and Gas

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Sincerely,

EnerVest Operating, L.L.C.

Troy Valasek Senior Landman

Enclosures

cc: File

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WV Department of Environmental Protection

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Taylor view Dr. 125276

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608 Grand View Dr.
City, State, 21944
Spencer, WV 252.76

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NOV 1 8 2020

WV (Department o) Environmental Protection

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

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Environmental Protection





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

October 21, 2020

### VIA USPS CERTIFIED MAIL

Laure Pollack Reed 2085 Pennsylvania Ave. St. Albans, WV 25177

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

Citica of Oil and Chin

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WV Department to Environmental Protogram

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Troy Valasek
Senior Landman

Enclosures

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WV Department of Environmental Protection

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RECEIVED Office of Oil and Gas

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VVV Department of Environmental Protection

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SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY Complete items 1, 2, and 3. A. Signature Print your name and address on the reverse ☐ Agent so that we can return the card to you. ☐ Addressee Attach this card to the back of the mailpiece, B. Received by (Printed Name) C. Date of Delivery or on the front if space permits. 1. Article Addressed to: D. Is delivery address different from item 1? 

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TI-013-00639



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

October 21, 2020

### VIA USPS CERTIFIED MAIL

Barbara E. Weiner Nichols 207 Beauty Street Spencer, WV 25276

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

RECEIVED Of State Con-

NOV TR 2020

Dear Coal Owner:

Programment Projection

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
- Coal 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.

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:

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



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 ad 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

Office of Oil and Gas

NOV 1 8 2020

WV Department of Environmental Protection

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WV Department of Environmental Protection

EnerVest Operating LLC **DOVER, OHIO 44622** 1748 SALTWELL RD I roy Valasek

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

October 21, 2020

## VIA USPS CERTIFIED MAIL

Charles Frederick Varda c/o Varda Oil & Gas, Inc. 3557 Ripley Road Spencer, WV 25276

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

PECEIVED Office of Oil and Gal.

NOV 1 8 2020

VVV Department of Environmental Protestion

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



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

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Sincerely,

EnerVest Operating, L.L.C.

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WV Department of Environmental Protection

Troy Valasek Senior Landman

Enclosures

cc: File

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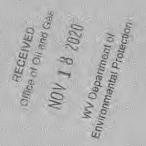
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WV Department of Environmental Protection

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EnerVest Operating LLC 1748 SALTWELL RD DOVER, OHIO 44622



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- Attach this card to the back of the mailpiece, or on the front if space permits.
- 1. Article Addressed to:

Charles Frederick Varda clo Varda Oil LBas, Inc. 3557 Ripley Road Spencer, WV 25276



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1748 Saltwell Road, Dover, Ohio 44622 Phone: (330) 502-5551

October 21, 2020

### VIA USPS CERTIFIED MAIL

John Allen Varda c/o Varda Oil & Gas, Inc. 3557 Ripley Road Spencer, WV 25276

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

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WV Department of Environmental Protection

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



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

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Sincerely,

EnerVest Operating, L.L.C.

Troy Valasek Senior Landman

Enclosures

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WV Department of Environmental Protection

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WV Department of Environmental Protection



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

October 21, 2020

## VIA USPS CERTIFIED MAIL

Melinda Ann Ashley c/o Varda Oil & Gas, Inc. 3557 Ripley Road Spencer, WV 25276

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

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NOV 1 8 2020

WV Department of Environmental Protection

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



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 ad 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

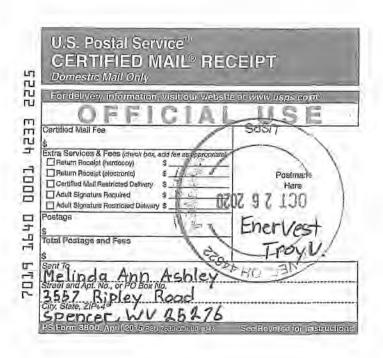
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Office of Oil and Gas WV Department of Environmental Protection NOV 1 8 2020

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

October 21, 2020

#### VIA USPS CERTIFIED MAIL

EDCO Minerals, LLC 6394 US HWY 33 E Glenville, WV 26351

RE:

Plugging Permit Hardman A. #11 Well API# 47-013-00639 Center District, Calhoun County, WV

Dear Coal Owner:

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WV Department of Proposed plugging of the subject well:

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Sincerely,

EnerVest Operating, L.L.C.

Troy Valasek Senior Landman RECEIVED

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WV Department of Environmental Protection

Enclosures

cc: File



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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> </ul>	A. Signature	☐ Agent ☐ Addressee
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name)	C. Date of Delivery
1. Article Addressed to: EDCO Minerals, LLC 6394 US Hwy 33 E Glenville, WV 26351	D. Is delivery address different from If YES, enter delivery address	n item 1? □ Yes below: □ No
9590 9402 5428 9189 4787 35	3. Service Type  ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery	☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for Merchandise
2. Article Number (Transfer from service label) 7019 1640 0001 4233 4380	Collect on Delivery Restricted Delivery '	☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	ם	omestic Return Receipt

NOV 1 8 2020
WV Departmental Protection



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

October 21, 2020

#### VIA USPS CERTIFIED MAIL

Rebecca Elberfeld Hoge P.O. Box 114 New Knoxville, OH 45871

RE:

Plugging Permit Hardman A. #11 Well API# 47-013-00639 Center District, Calhoun County, WV

Dear Coal Owner:

Office of Office of Out and Office of Office of Out and Office of Out and Office of Out and Office of Out and Office of Out and Out an

Pursuant to Chapter 22 of the West Virginia Code, please find enclosed copies of the following Department of 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
- Coal 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.

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:

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



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 ad 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

Displaced to some

NOV 1 8 2020

WV Dopartment of Environmental Proportion

10.1	U.S. Postal Service" CERTIFIED MAIL® RECEIPT Bornes (is Mail Only)
L	For delivery information, visit our website at www.usps.com
777	OFFICIAL USE
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1	Certified Mail Fee \$ Extra Services & Fees (check box, stid fee as appropriate)   Heturn Receipt (hardcopy)   Return Receipt (electronic)   S     Certified (wall Restricted Delivery \$     Adult Signature Required   S     Adult Signature Restricted Delivery \$
	Postage \$ Total Postage and Page Enervest
	Sant To Rebecca Elber Feld Plage Street and Apt. No., or PO Box No.
	Steel and All Monor Policy No.  City, State, 279-4  City, State, 279-4  Nev Knoxville, OH 45871  PS Torm SB00, April 2015 PSN 753402-20049017  Sec Reverse for Institutions

Elberfeld Hoge Wille, OH 4587

Postmark

U.S. Postal Service"
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

Certifled Mall Fee

Extra Services & Fees (check box, add fee as appropriate)

Raturn Receipt (hardcopy)

Return Receipt (electronic)

Certified Mail Restricted Delivery \$
Adult Signature Required \$
Adult Signature Restricted Delivery \$

Postage

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Total Postage and Fees

Sent To Rebecca Elberfeld Hoge Street and Apt. No., or PO BOX No. P.O. BOX 114 City, State, 219-48 New Knoxville, OH 4587

Knoxville, oH 45871

RECEIVED Office of Oil non Ges

NOV 1 8 2020

WV Department of Environmental Protection

Vest Operating LLC SALTWELL RD ER, OHIO 44622

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> </ul>	A. Signature	☐ Agent
Attach this card to the back of the mallpiece, or on the front if space permits.	B. Received by (Printed Name)	C. Date of Delivery
1. Article Addressed to:  Rebecca Elberfeld Hoge P.O. Box 114	D. Is delivery address different from If YES, enter delivery address to	nitem 1? ☐ Yes pelow: ☐ No
New knoxville, of 45871		
New knoxville, 0H 45871	Certified Mail Restricted Delivery	☐ Priority Mall Express@ ☐ Registered Mall™ ☐ Registered Mall Restricted Delivery ☐ Return Receipt for Marchandise
	□ Adult Signature     □ Adult Signature Restricted Delivery     □ Certified Mail@     □ Certified Mail Restricted Delivery     □ Collect on Delivery     □ Collect on Delivery     □ Collect on Delivery     □ Mail	☐ Registered Mall TM ☐ Registered Mall Restricted Delivery

WV Dapattmani of Environmental Protection



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

October 21, 2020

### VIA USPS CERTIFIED MAIL

Tuason Living Trust, Dated July 21, 2016 2340 Cascade Ave., NW East Wenatchee, WA 98802

RE:

Plugging Permit Hardman A. #11 Well

API# 47-013-00639

Center District, Calhoun County, WV

#### Dear Coal Owner:

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

NOV 1 8 2020

WV Daparment of

Environmental Projection

- 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
- Coal Owner Waiver (2 copies)

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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:

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



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 ad 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

RECEIVED

NOV 1 8 2020

WV Department of Environmental Protection

	U.S. Postal Service CERTIFIED MAIL® RECEIPT
1	Domestic Mail Only
I	For dightive wintermation, visit our website at www.usps.com  OVER.  Overtified Mail Fee  3
	Certified Mall Fee
	\$ Extra Services & Fées (check box, Idd fee as appropriate)
- 1	Return Racelpt (hardcopy) Posimerk
1	Certified Mail Restricted Delivery  Aduit Signature Required
	Adult Signature Restricted Delivery 5
	Postage Enervies
1	Postage and Fees USPS TYPY V.
1	Sent To TUGSON LIVING TRUST Street and Apl. No., or PO Box No.
1	
	RS Form 3800, April 2015 RS 97530-02 000-0197 See Reverse for Instruction

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only 4233 4267 4233 4267 Certified Mail Fee 0001 Postmark Adult Signature Required Adult Signature Restricted Delivery \$ 1640 Postage Enervest Tray V. Total Postage and Fees Sent To
Tuason Living Trust
Street and Apt. No., or FO Box No.
23.40 Cascade Ave., NW
City, State, ZiPat Wenatchee, WA 18802
East Wenatchee, WA 18802
See Reverse

RECEIVED Office of Oil and Gng

NOV 1 8 2020

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#### SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY A. Signature ■ Complete items 1, 2, and 3. ☐ Agent Print your name and address on the reverse ☐ Addressee so that we can return the card to you. B. Received by (Printed Name) C. Date of Delivery Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: If YES, enter delivery address below: Tuason Living Trust 2340 Cascade Ave., NW East Wenatchee, WA 98802 3. Service Type ☐ Priority Mail Express® ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Registered Mail™ Registered Mail Restricted Delivery Return Receipt for Merchandise Certified Mail® Certified Mail Restricted Delivery 9590 9402 5428 9189 4786 36 ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation 2. Article Number (Transfer from service label) I Incurred Mail 7019 1640 0001 4233 4267 I Mail Restricted Delivery Restricted Delivery

500)

Domestic Return Receipt

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Office of Oil and Gair
NOV 1 8 2020
WV Department of
Environmental Protection

PS Form 3811, July 2015 PSN 7530-02-000-9053

WW-9 (5/16)

API Number	47 - 013	_00639	
Operator's We			

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

	TEODS/ COTTINGS DI	SPOSAL & RECLAMATIC	IN PLAN	
Operator Name EnerVest Ope	rating LLC	OP (	Code 30-9999	
Watershed (HUC 10) Middle L	ittle Kanawha River	Quadrangle Arnolo	dsburg	
Do you anticipate using more t Will a pit be used? Yes		mplete the proposed well we	ork? Yes	No 🗸
If so, please describe	anticipated pit waste:			
Will a synthetic liner	be used in the pit? Yes	No If so, wh	at ml.?	
	ethod For Treated Pit Wastes:			
Und Reu	d Application (if selected proverground Injection (UIC Pense (at API Number_Site Disposal (Supply form Ver (Explain_No pit to be built, A	mit Number		)
Will closed loop systembe use	d? If so, describe:			
Drilling medium anticipated for	r this well (vertical and horizo	ontal)? Air, freshwater, oil I	based, etc.	
-If oil based, what typ	e? Synthetic, petroleum, etc.			RECEIVED Office of Oil and Gas
Additives to be used in drilling	medium?			NOV 1 8 2020
Drill cuttings disposal method?				400000000000000000000000000000000000000
	to solidify what medium will			WV Department of Environmental Protection
-Landfill or offsite na	me/permit number?			
Permittee shall provide written West Virginia solid waste facili where it was properly disposed	ity. The notice shall be provid			
on April 1, 2016, by the Office provisions of the permit are ent or regulation can lead to enforce	forceable by law. Violations of the tement action.  The yof law that I have personate the thereto and that, based of the information is true, accuracluding the possibility of fine the the true.	Virginia Department of Env of any term or condition of the ally examined and am fami on my inquiry of those indiversate, and complete. I am a	ironmental Protection he general permit and diar with the information duals immediately re	I understand that the for other applicable law tion submitted on this sponsible for o btaining
Company Official Title Vice		anager		N. C.
Subscribed and swom before n	this 5 m day of LE WIND	October	Notary Public	ALISON E. WINTER Notary Public Official Seal
My commission expires	june 3, 202	-(		State of West Virginia  ly Comm. Expires Jun 5, 2021
L.	1		aran aran aran aran aran aran aran aran	DIE OLI LIA CERNA

r : according to PH test	: Acres Disturbed 2.00	Preveg etation pH	6.5
Lime doording to 1 11 tost	Tons/acre or to correct to	<sub>pH</sub> 7.0	
Fertilizer type 10-20-20	)	_	
Fertilizer amount 500		lbs/acre	
Mulch Hay or Strav	w 2	ons/acre	
		Seed Mixtures	
Tempora	ary	Permane	nt
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Treefoil	15	Birdsfoot Treefoil	15
Ladino Clover	10	Ladino Clover	10
	ill be land applied, provid	oplication (unless engineered plans including the water volume, include dimensions (L, W	
Maps(s) of road, location, pit and provided). If water from the pit wi	ill be land applied, provid and application area.		
Maps(s) of road, location, pit and provided). If water from the pit will L, W), and area in acres, of the la	ill be land applied, provid and application area.		(, D) of the pit, and din
Maps(s) of road, location, pit and provided). If water from the pit will L, W), and area in acres, of the la	ill be land applied, provid and application area.		(, D) of the pit, and din
Maps(s) of road, location, pit and provided). If water from the pit wind L, W), and area in acres, of the last Photocopied section of involved 7	ill be land applied, providend application area.	le water volume, include dimensions (L, W	(, D) of the pit, and din
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WW-9-GPP Rev. 5/16

Page	1 of 2
API Number 47 - 013	- 00639
Operator's Well No.	

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

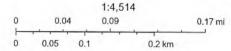
Watershed (HUC 10): Middle Little Kanawha River	Quad: Arnoldsburg
Farm Name:Allen Hardman	
<ol> <li>List the procedures used for the treatment and discharge of f groundwater.</li> </ol>	luids. Include a list of all operations that could contaminate the
Plugging of shallow well. All residual fluids will be proper disposal	pe captured in portable flowback tanks for
Describe procedures and equipment used to protect groundward.	ater quality from the list of potential contaminant sources above.
Inroper dienocal	
proper disposal  List the closest water body, distance to closest water body discharge area.	, and distance from closest Well Head Protection Area to the
List the closest water body, distance to closest water body	, and distance from closest Well Head Protection Area to the
List the closest water body, distance to closest water body discharge area.	RECEIVED
List the closest water body, distance to closest water body discharge area.	RECEIVED Office of Oil and Gas

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

WW-9- CPP Rev. 5/16			Page API Number 47 - 013 Operator's Well No	2 of 2 - 00639
6. Provide a statement th:	at no waste material will be u	sed for deicing or fill mate	rial on the property.	
	ater protection instruction as		I to the employees. Job p	procedures shall
				RECEIVED Office of Oil and Gas
8. Provide provisions and	I frequency for inspections of	fall GPP elements and equ	ipment.	NOV 1 8 2020
			1	WV Department of Environmental Protection
Signature:		11-11-20		

10/21/2020, 3:30:31 PM

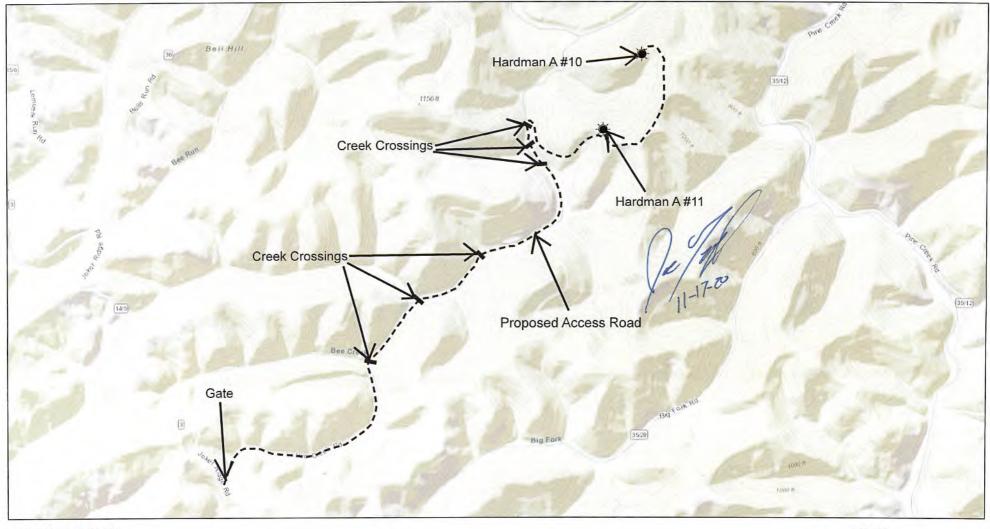
NOV 1 8 2020
WV Department of Environmental Protection



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

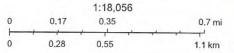
Web AppBuilder for ArcGIS VITA, West Virginia GIS, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

# ArcGIS Web Map



10/21/2020, 3:42:09 PM

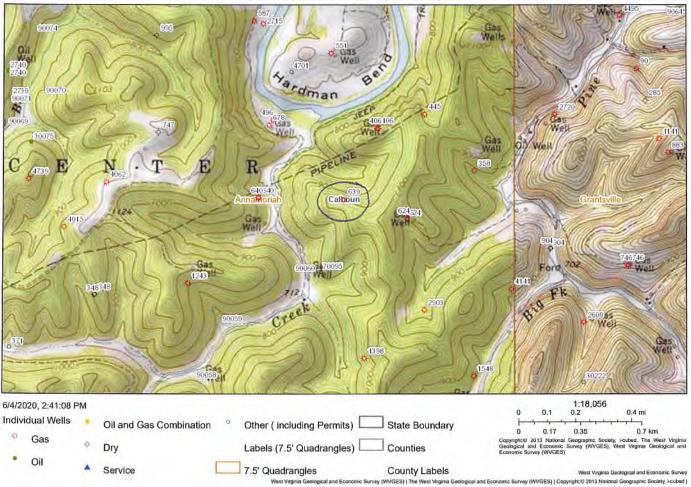
NOV 1 8 2020
WV Department of Environmental Protection



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

Web AppBuilder for ArcGIS VITA, West Virginia GIS, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

# WV Oil & Gas Wells (WVOG)



RECEIVED Office of Oil and Gas

WV Department of Environmental Protection

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 SE	NT BY REGISTERED OR CERITFIED
COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROO BY REGISTERED OR CERTIFIED MAIL	F THAT APPLICATION WAS SENT
WW-9 PAGE 1 (NOTARIZED)	
WW-9 PAGE 2 with attached drawing of road, location, pit and pr	roposed 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	Office of Oil and Gas
MUST HAVE VALID BOND IN OPERATOR'S NAME	NOV 1 8 2020
CHECK FOR \$100 IF PIT IS USED	WV Department of Environmental Protection

WW-7 8-30-06



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

# WELL LOCATION FORM: GPS

<sub>API:</sub> 47-013-00639	WELL NO.: Hardma	an, A. #11
FARM NAME: Allen Hardman		
RESPONSIBLE PARTY NAME: Troy	M. Valasek	
COUNTY: Calhoun	DISTRICT: Center	r
QUADRANGLE: Arnoldsburg		
SURFACE OWNER: Bee Creek H		
ROYALTY OWNER: CGAS Prop		
UTM GPS NORTHING: 4306900.		
UTM GPS EASTING: 488207.6		007.27'
The Responsible Party named above has cho preparing a new well location plat for a plug above well. The Office of Oil and Gas will not the following requirements:  1. Datum: NAD 1983, Zone: 17 Not height above mean sea level (MS 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method:  Survey grade GPS: Post Processed Real-Time Difference of the property of the processed and the processed of the proce	ging permit or assigned API num ot accept GPS coordinates that d rth, Coordinate Units: meters, Al L) – meters.	nber on the Office of Oil and Gas NOV 1 8 2020
Mapping Grade GPS: Post Process	ed Differential	
Real-Time I	Differential	
4. Letter size copy of the topograph I the undersigned, hereby certify this data is belief and shows all the information required prescribed by the Office of Oil and Gas.	correct to the best of my knowle	dge and
Sr.	Landman 10	121120
Signature	Title	Date